NORTH BAY VILLAGE
REGULAR VILLAGE COMMISSION MEETING
PUBLIC MEETING NOTICE

Tuesday, March 12, 2024 at 6:00 PM
1666 Kennedy Causeway, #101, North Bay Village, FL 33141
(In-person and virtual via Zoom. See below for details)

The meeting agenda is available online at:
https://northbayvillage-fl.gov/agendas-minutes

Elected Officials and Village staff will participate from the physical meeting location. Members of the public may attend the meeting in person at the physical meeting location, or, alternatively, may watch or call in to the meeting by following these instructions:

ATTEND THE MEETING IN PERSON AT THE PHYSICAL MEETING LOCATION: The meeting will be held in person at the physical meeting location stated above. Admission to the physical meeting location is on a first-come, first-serve basis and space is limited. Doors will open 30 minutes prior to the meeting start time. The Village highly encourages those in attendance to wear facial coverings and abide by social distancing as recommended by the CDC.
Watch the Public Meeting: https://northbayvillage-fl.gov/videos TV Channel 661 Facebook Live
Participate in the meeting via Zoom: Meeting ID: 818 9992 6302 Passcode: 950913
Listen via telephone to the Virtual Public Meeting: 1-305-224-1968 or 1-929-205-6099
For technical support during the meeting, please contact: (786) 309-4991

PUBLIC COMMENTS

Public comments will be accepted by the following means:

IN-PERSON COMMENTS: Members of the public may attend the meeting at the physical meeting location stated above and deliver their public comments in person during the public comment portion of the agenda.

VIRTUAL COMMENTS: ***Public comments will also be accepted during the meeting using the virtual meeting platform.***

VIA E-MAIL TO: publiccomment@nbvillage.com

Interested parties or their authorized representatives may address the Commission and/or Board via written or electronic commentary ("e-comments") by emailing the Village Clerk at least two (2) hours prior to the commencement of the meeting. E-comments will not be read during the meeting but will be distributed to the Village Commission or Board prior to the commencement of the meeting. You may send your concerns with the subject line "PUBLIC COMMENT" and the following information in the body of the email: your name, address, if you are a hired Consultant or Village Employee, and/or if you are engaged in lobbying activities and/or representing an organization.

PUBLIC RECORDS

The meeting will be recorded for later viewing and is a public record. Minutes of the meeting will be taken and will be made available.

IN ACCORDANCE WITH THE PROVISIONS OF SECTION 286.0105, FLORIDA STATUTES, ANYONE WISHING TO APPEAL ANY DECISION MADE BY VILLAGE COMMISSION, WITH RESPECT TO ANY MATTER CONSIDERED AT THIS MEETING OR HEARING, WILL NEED A RECORD OF THE PROCEEDINGS AND FOR SUCH PURPOSE, MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE WHICH RECORD SHALL INCLUDE THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. AGENDA ITEMS MAY BE VIEWED AT THE OFFICE OF THE VILLAGE CLERK, NORTH BAY VILLAGE, 1666 KENNEDY CAUSEWAY. ANYONE WISHING TO OBTAIN A COPY OF ANY AGENDA ITEM SHOULD CONTACT THE VILLAGE CLERK AT 305-756-7171 EXT 45. A COMPLETE AGENDA PACKET IS ALSO AVAILABLE ON THE VILLAGE WEBSITE AT www.northbayvillage-fl.gov.

THIS MEETING IS OPEN TO THE PUBLIC. IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990, ALL PERSONS THAT ARE DISABLED; WHO NEED SPECIAL ACCOMMODATIONS TO PARTICIPATE IN THIS MEETING BECAUSE OF THAT DISABILITY SHOULD CONTACT THE OFFICE OF THE VILLAGE CLERK AT 786-224-8070 NO LATER THAN FIVE DAYS PRIOR TO SUCH PROCEEDING. TO REQUEST THIS MATERIAL IN ACCESSIBLE FORMAT, SIGN LANGUAGE INTERPRETERS, INFORMATION ON ACCESS FOR PERSON WITH DISABILITIES, AND/OR ANY ACCOMMODATION TO REVIEW ANY DOCUMENT OR PARTICIPATE IN ANY VILLAGE-SPONSORED PROCEEDING, PLEASE CONTACT 786-224- 8070 FIVE DAYS IN ADVANCE TO INITIATE YOUR REQUEST. TTY USERS MAY ALSO CALL 711 (FLORIDA RELAY SERVICE).

LOBBYING ACTIVITIES

Any person who received compensation, remuneration or expenses for conducting lobbying activities is required to register as a lobbyist with the Village Clerk prior to engaging in lobbying activities per Village Code Sec. 38- 17. ""Lobbyist"" specifically includes the principal, as well as any agent, officer or employee of a principal, regardless of whether the lobbying activities fall within the normal scope of employment of the agent, officer or employee. The term ""lobbyist"" specifically excludes the following persons: lobbyists hired by the Village who are communication with Village personnel in the course of performing under their contracts; attorneys or other representatives retained to represent individuals and corporate entities in quasi-judicial proceedings where the law prohibits ex -parte communications; expert witnesses who only provide scientific, technical or other specialized information or testimony at public meetings; employees of the principal who do not engage in lobbying activities and representatives of non-profit organizations who only appear at publicly noticed meetings, without special compensation or reimbursement for the appearance, whether direct, indirect or contingent, to express support or opposition to any item.

Have questions or need additional information?

E-mail: villageclerk@nbvillage.com

Call: 305-756-7171

North Bay Village

OFFICIAL AGENDA
REGULAR VILLAGE COMMISSION MEETING
1666 Kennedy Causeway, #101, North Bay Village, FL 33141 (In-person and virtual via Zoom. See below for details) Meeting ID: 818 9992 6302 Passcode: 950913
Tuesday, March 12, 2024
6:00 PM

Decorum: Any person making impertinent or slanderous remarks or who becomes boisterous while addressing the board shall be barred from further appearance before the board by the presiding officer, unless permission to continue or again address the commission is granted by the majority vote of the commission members present. No clapping, applauding, heckling or verbal outbursts in support or opposition to a speaker or his or her remarks shall be permitted. Signs or placards may be disallowed in the commission chamber by the presiding officer. Persons exiting the commission chambers shall do so quietly.

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1. Opening Items
A. Call to Order
B. Roll Call
C. Pledge of Allegiance
D. Invocation

2. Order of Business

3. Presentations
A. Proclamations and Awards
B. Special Presentations to Commission

3.A. Recognition of North Bay Village Police Department Staff

*** Sergeant Norlan Benitez**
*** Communications Operator Sean Rodriguez**

4. Open Forum

5. Approval of Commission Minutes

5.A. Approval of the February 13, 2024 Meeting Minutes

02.13.2024 Draft Minutes.pdf

6. Advisory Board Minutes/Written Reports.

7. Village Commission's Report

8. Village Attorney's Report

9. Village Manager's Report

9.A. Communications & Special Events Report (February 2024)

Comms Report Feb 2024.png

9.B. Code Enforcement Report (February 2024)

Code Monthly Report February-2024.pdf
2024-000-10072 Incident Report.pdf

9.C. Police Accreditation Report (February 2024)

CFA Accreditation Progress Matrix for Feb 2024.pdf

9.D. Traffic Enforcement Report (February 2024)

Monthly Traffic Report (February 2024).pdf

9.E. Capital Improvement Plan Report (February 2024)

Capital Improvement Projects Construction Summary.pdf
TIES Galleon Project Timeline.pdf

9.F. TIES-Galleon Project Timeline (February 2024)

TIES Galleon Project Timeline.pdf

10. Village Clerk's Report

10.A. Village Clerk Report for February of 2024

February 2024 PRR Log.pdf

11. Consent Agenda

A. Staff Items

B. Proclamation/Award/Village Key Requests

11.A. Approval of a Resolution Amending Fee Schedule to Create Temporary Guest Parking Permit Fee, Create "No Trespassing" Sign Fee, and Provide a Conditional Rebate for Certain Base Permit Fees - Sponsored by Commissioner Rachel Streitfeld and Commissioner Andy Daro

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA APPROVING AN UPDATED FEE SCHEDULE FOR ADMINISTRATIVE SERVICES, BUILDING FEES, AND ZONING FEES; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve the proposed fee schedule as presented.

Resolution Amending Fee Schedule - March 2024.DOCX
Resilient NBV Home Improvement Discount.pdf
Master_Fee_Schedule_-_March_2024_.docx

11.B. A Resolution Approving a Contract with Miami Dade College for the Administration of 2024 Police Sergeant Promotional Assessment - Village Manager Ralph Rosado, PhD., AICP (Police Chief Carlos Noriega)

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, APPROVING A CONTRACT WITH MIAMI-DADE COLLEGE'S SCHOOL OF JUSTICE ASSESSMENT CENTER FOR ADMINISTRATION OF THE POLICE SERGEANTS' PROMOTIONAL TESTING PROCESS IN AN AMOUNT NOT TO EXCEED BUDGETED FUNDS; WAIVING COMPETITIVE BIDDING; PROVIDING FOR AUTHORIZATION; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve a resolution for, and Contract with the MDC SOF Assessment Center.

Resolution - MDC College - Sergeants Promotional Testing.DOCX
NBVPD SGT 2024 Promotional Process Contract Proposal 2024.pdf

11.C. A Resolution Accepting a Miami-Dade County Neat Streets Tree Planting Matching Grant Award in the Amount of $21,354 - Sponsored by Mayor Brent Latham

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY

VILLAGE, FLORIDA, ACCEPTING A NEAT STREETS MIAMI-DADE COUNTY MATCHING GRANT AWARD FROM MIAMI-DADE COUNTY PARKS, RECREATION, AND OPEN SPACES DEPARTMENT FOR THE NORTH BAY VILLAGE URBAN REFORESTATION PROJECT; APPROVING A MATCHING GRANT AGREEMENT; PROVIDING FOR AUTHORIZATION; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Approve a resolution accepting a 2024 Miami-Dade County Neat Streets Tree Planting Matching Grant for $21,354.

Resolution Accepting MDC Neat Streets Grant Award 2024
Exhibit A - 2024 GREEN MDC Matching Grant Agreement .pdf
North Bay Village - Notice of Award REV.pdf
2024 Tree Species Selection.pdf

11.D. A Resolution Authorizing the Issuance of a Work Order to SFM Landscape Services LLC of $51,350 to Plant Trees at Treasure Island Elementary School - Village Manager Ralph Rosado, PhD, AICP (Public Works Project Manager Carlos Llamas)

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF A WORK ORDER TO SFM LANDSCAPE SERVICES, LLC FOR PHASE II OF THE VILLAGE'S URBAN REFORESTATION TREE PLANTING PROJECT AT TREASURE ISLAND ELEMENTARY SCHOOL (TIES) IN AN AMOUNT NOT TO EXCEED $51,350; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended the Village Commission approve the Resolution authorizing the issuance of a work order to SFM Landscaping, LLC in the amount of $51,350 for landscaping improvements.

Resolution SFM WO For Phase II Urban Reforestation Project TIES
Exhibit A - 2024 NBV SFM Tree Planting Proposal.pdf
2024 Tree Species Selection.pdf

11.E. A Resolution Approving a Budget Amendment for the Reclassification of Legislative Aide to Chief of Staff to the Village Commission and Salary Increase to the Chief of Staff to the Village Manager - Ralph Rosado, PhD, ACIP, Village Manager

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024 TO PROVIDE FOR SALARY ADJUSTMENTS; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve the reclassification of the Legislative Aide to the Chief of Staff to the Village Commission.

Resolution Approving Budget Amendment - Salary Adjustments

Exhibit A Budget Amendment Form - Reclassification LA.pdf

11.F. A Resolution Authorizing the Village to Submit a Grant Application to the Florida Inland Navigation District (FIND) for the Design and Permitting of Island Walk Segments and Seawalls on Treasure Island - Sponsored by Commissioner Andy Rotondaro

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE VILLAGE MANAGER TO SUBMIT A GRANT APPLICATION TO THE FLORIDA INLAND NAVIGATION DISTRICT WATERWAYS ASSISTANCE PROGRAM FOR THE DESIGN AND PERMITTING FOR ISLAND WALK SEGMENTS AND SEAWALLS ON TREASURE ISLAND; PROVIDING FOR IMPLEMENTATION; PROVIDING FOR CERTIFICATIONS; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve a resolution authorizing the Village to submit a grant application to the Florida Inland Navigation District (FIND).

Resolution FIND Grant - Design and Permitting - 1819-1855 KC .docx

12. First Reading of Ordinances

Please be advised that if you wish to comment upon any of these quasi-judicial items, please inform the Mayor during public comments. An opportunity for persons to speak on each item will be made available after the applicant and staff have made their presentations on each item. All testimony, including public testimony and evidence, will be made under oath or affirmation. Additionally, each person who gives testimony may be subject to crossexamination. If you refuse to be cross-examined or sworn-in, your testimony will be given its due weight. The general public will not be permitted to cross-examine witnesses, but the public may request the Commission ask questions of staff or witnesses on their behalf. Persons representing organizations must present evidence of their authority to speak for the organization. Further, details of the quasi-judicial procedures may be obtained from the Village Clerk.

13. Public Hearings

Please be advised that if you wish to comment upon any of these quasi-judicial items, please inform the Mayor during public comments. An opportunity for persons to speak on each item will be made available after the applicant and staff have made their presentations on each item. All testimony, including public testimony and evidence, will be made under oath or affirmation. Additionally, each person who gives testimony may be subject to cross-examination. If you refuse to be cross-examined or sworn-in, your testimony will be given its due weight. The general public will not be permitted to cross-examine witnesses, but the public may request the Commission ask questions of staff or witnesses on their behalf. Persons representing organizations must present evidence of their authority to speak for the organization. Further, details of the quasi-judicial procedures may be obtained from the Village Clerk.

13.A. An Ordinance Adopting an Amendment to the Village's Water Supply Facilities Work Plan - Village Manager Ralph Rosado, Ph.D., AICP (Consulting Planner Alex David, AICP through Village Planner Silvia E. Vargas, FAICP)

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ADOPTING AN AMENDMENT TO THE WATER SUPPLY FACILITIES WORK PLAN; PROVIDING FOR TRANSMITTAL; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

Suggested Action: To adopt to the proposed "10-Year Water Supply Facilities Work Plan Update 2022," as presented by Staff and as recommended by the Planning and Zoning Board.

Attachment 1 - NBV 2022 WSP (Adoption).pdf
Attachment 2 Ordinance WSP Amend.pdf
NBV WSP 1st Reading Transmittal Package 011924.pdf
NORTH BAY VILLAGE 24-01ESR Agency Letters.pdf
Notice of Public Hearing- MH.pdf

13.B. An Ordinance Comprehensively Updating the Unified Land Development Code - Village Manager Ralph Rosado, Ph.D., AICP (Village Planner Silvia E. Vargas, FAICP)

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, COMPREHENSIVELY UPDATING THE UNIFIED LAND DEVELOPMENT CODE; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Suggested Action: Adopt the proposed ordinance as presented by Staff with updates completed between 1st and 2nd reading, primarily to address Commission feedback received during 1st reading discussion. In addition, the proposed ordinance for second reading eliminates previously proposed amendments to Chapter 11 and Sections 15.2(F), 15.6(E), and 15.6(F), which pertain to sign regulations and will be addressed by a separate ordinance after further legal review.

1 - Ordinance 2024-XX- ULDC Clean Up.docx
2 - Exhibit A_ULDC Clean Up - Changes for 2nd reading (030524-2).pdf
Notice of Public Hearing- MH.pdf

14. Discussion/Action Items

A. Unfinished Business
B. New Business

14.A. A Resolution Accepting the Adaptation Plan as Defined in the Vulnerability Assessment Report Conducted BCC Engineering, LLC - Sponsored by Commissioner Rachel Streitfeld

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY

VILLAGE, FLORIDA, ADOPTING THE VILLAGE'S VULNERABILITY ASSESSMENT REPORT AND ADAPTATION PLAN; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission adopt the Village Vulnerability Assessment Report and Adaption Plan.

Resolution Adopting The Village's VA Report -Adaptation Plan.DOCX
NBV_VA_Report Draft.pdf
Vulnerability Assessment Final Presentation.pdf

14.B. Discussion of Workforce Housing Program Options - Village Manager Ralph Rosado, PhD, AICP (CGA Planning & Grants Administrator Vickki Placide-Pickard via Village Planner Silvia E. Vargas, FAICP, LEED AP)

Provide further direction to Village staff regarding the Workforce Housing Program concepts and use of funds.

Workforce Housing Program Summary 3-4-24.docx

14.C. A Resolution Authorizing Negotiation and Execution of Such Agreements as May Be Necessary with the City of Miami Beach for Mutual Aid and Pursuit of Other Mutually Desirable Goals - Sponsored by Mayor Brent Latham, Vice Mayor Richard Chervony, and Commissioners Goran Cuk and Rachel Streitfeld

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE VILLAGE MANAGER TO NEGOTIATE AND EXECUTE SUCH AGREEMENTS AS MAY BE NECESSARY WITH THE CITY OF MIAMI BEACH FOR MUTUAL AID AND OTHER MUTUALLY DESIRABLE GOALS AND ACTIVITIES; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission discuss potential goals and activities that are mutually desirable to North Bay Village and Miami Beach so as to include them in one or more agreements between the municipalities.

The proposed terms will then form the basis of one or more agreements, which will also need to be approved by the City of Miami Beach Commission. Adoption of the attached resolution will authorize the Village Manager to negotiate and execute one or more agreements, as may be needed, and subject to approval by the Village Attorney as to form and legal sufficiency, with the City of Miami Beach.

Resolution-Negotiation Agreements with MB for PD and other.DOCX
2019-10-19 City of Miami Beach MAA.pdf
Draft Mutual Aid Agreement - City of Miami.pdf

14.D. Discussion and Status Update on the 7918 West Drive Project - Sponsored by Mayor Brent Latham and Vice Mayor Richard Chervony

Damage and Cost Spreadsheet- w FMIT Reimbursement.pdf

14.E. Discussion Regarding Regulations for Floating Platforms - Sponsored by Mayor Brent Latham

Discuss legal and administrative processes related to addressing nuisances caused by floating platforms and associated businesses near Village waters.

Emails Regarding Floating Platforms.pdf
FS Procedure for Abandoned or Lost Property.pdf
FS Definitions for Lost of Abandoned Property.pdf
MIAMI DADE COUNTY- Mutual Aid Agreement- EXP 1-1-2025.pdf

15. Adjournment

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ITEM NO. 3.A

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ana Gonzalez, Executive Assistant to Chief of Police

SPONSORED BY:

SUBJECT: Recognition of North Bay Village Police Department Staff

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RECOMMENDATION

*** Sergeant Norlan Benitez**
*** Communications Operator Sean Rodriguez**

BACKGROUND AND ANALYSIS

It is with great pride that once again find myself in the position of recognizing another of our Sergeants as we gather here today to congratulate Sergeant Norlan Benitez on his graduation from the Southern Police Institute 94th Command Officers Development Course. He completed the 10 weeks program and passed all of his courses with a cumulative average of 99.73%. This initiative is part of our aggressive campaign to develop our future leaders through a succession plan designed to keep the North Bay Village Police Department on its current trajectory of law enforcement excellence. Sergeant Benitez is now the 3rd of our four Sergeants to complete and elite command officers program. In the near future Master Sergeant Amy Gordon will be attending the Northwestern University Command Officers program.

We are also honoring current Communications Operator Sean Rodriguez whom graduated from the Police Academy BLE Class #382 on February 7th, 2024. Sean graduated with honors for his Academic achievements and was also granted the Directors Awards for his efforts. In addition he has passed the State Certification Exam with a score of 95%. We expect that Sean will be joining the ranks of the NBVPD as a Sworn Police Officer in the very near future.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ITEM NO. 5.A

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Alba L. Chang, Village Clerk

SPONSORED BY:

SUBJECT: Approval of the February 13, 2024 Meeting Minutes

RECOMMENDATION

BACKGROUND AND ANALYSIS

The Village Commission held a Meeting and Minutes are being provided for the Commission's consideration and approval for February 13, 2024 Regular Commission Meeting.

It is recommended that the Village Commission approve the meeting minutes, as presented.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)

None

PERSONNEL IMPACT

None

ATTACHMENTS

02.13.2024 Draft Minutes.pdf

NORTH BAY VILLAGE
VILLAGE COMMISSION MEETING MINUTES
FEBRUARY 13, 2024 - 6:00 PM
1666 KENNEDY CAUSEWAY, #101, NORTH BAY VILLAGE, FL 33141
MEETING ID: 890 2814 0567 PASSCODE: 508669

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1. Opening Items

A. Call to Order

Mayor Lathan called the meeting to order at 6:09pm

B. Roll Call

The following members were in attendance:
Mayor Brent Latham
Vice Mayor Richard Chervony
Commissioner Goran Cuk
Commissioner Andrew Rotondaro
Commissioner Rachel Streitfeld

C. Pledge of Allegiance

The pledge of allegiance was recited.

D. Invocation - None

2. Order of Business

3. Presentations

A. Proclamations and Awards

B. Special Presentations to Commission

3.A Employee of the Year

Village Manager Ralph Rosado presented the Employee of the Year plaque to the following employees:

- Megan Cook, Public Works Utilities & Facilities Division Director.
- Annabelle Rodriguez, Grant and Procurement Accountant.
- Johnny Saavedra, IT Director.
- Orlando Rodriguez, Code Enforcement Director.

4. Open Forum

Rebecca White - 7921 West Drive.

5. Approval of Commission Minutes

5.A Approval of the Following Meeting Minutes - Village Clerk, Alba L. Chang

*** Regular Commission Meeting - December 12, 2023**
*** Regular Commission Meeting - January 16, 2024**

ACTION: Vice Mayor Chervony made a motion to approve the meeting minutes. Commissioner Rotondaro seconded the motion, and it passed by unanimous voice vote.

6. Advisory Board Minutes/Written Reports.

6.A Resident Services Board Report - Vice Chair Jose Parada

Resident Services Board Vice Chair Jose Parada presented the Board's report to the Village Commission, highlighting Village activities, athletic events, and reviewing the 2024 calendar of events. The Board's efforts are ongoing to consider additional events for the residents, and the public/residents have been encouraged to attend board meetings to share their feedback.

7. Village Commission's Report

Commissioner Cuk

- He praised the new art mural by Grandview Palace and emphasized the importance of public art.
- He thanked Commissioner Daro for leading Pilates at the Park and proposed coordinating a kick-ball league soon.
- Appreciation was expressed to staff for organizing Tallahassee meetings with State legislators, including Ron Book, Fabian Basabe, and Shevrin Jones.
- He challenged leadership to expedite project execution.
- He met with City of Miami Beach leaders to establish an MOU with the City of Miami Beach to lower speed limits and create a green lane for bicycles were discussed.
- The addition of speed cameras in school zones was proposed to generate revenue for the Village potentially.
- A collaboration with the US Coast Guard for marine facility efforts was explored. The focus will be to patrol jet skis in joint efforts with the Coast Guards.

DRAFT

Commissioner Daro

He reported on upcoming design phases for crosswalks on Harbor Island to be completed by February 20th.

Commissioner Streitfeld

- Thanked Legislative Aide Chris Molina and Chief of Staff Leo Cosio for their efforts in putting together all the meetings in Tallahassee.
- She reported attending the monthly Miami Dade County League of Cities meeting where discussions were held on Form 6, and the transportation bill.
- She requested a status report on Teen activities which was talked about at a prior meeting.
- She was happy to report plans for a Community Garden on Galleon Street.

Vice Mayor Chervony

- Reminded residents of annual events surrounding Spring Break held from March 10 through March 22. The City of Miami Beach will be blocking traffic.
- He expressed concerns about the lack of funding for Village Hall.
- He reported the Village will finalize the selection of Auditors, soon.
- He urged staff to continue with prior community recognitions such as Yard of the Month and Unsung Hero.
- The report from the Charter Review Board on the potential name change was voted down. There was a unanimous vote to not change the name of the Village.

Mayor Latham asked Vice Mayor Chervony to clarify to the Charter Review Board that expenses for the Village rebranding totaled $5,000.

Mayor Latham

- Reported that the Argentine Futbol Association (AFA) agreements have been finalized.

8. Village Attorney's Report

Attorney Fabio Gallianza reported on the recent modification to the AFA (Item #11E agreement which included the following:

- Provides a budget overrun.
- The contract will include protection for Village for anything over 5%.
- Treasure Island Elementary School (TIES) agreement, clarification on net income, does not involve foreign players. They will still need to pay regular rental fees and they can only do so 4 times a year.
- The programming schedule was modified to resolve the field for Village use only.
- The termination fee was increased to $3.5 Million.

DRAFT

9. Village Manager's Report

For detailed reporting of the prior month's expenditures, please visit the Finance Department webpage on the North Bay Village website at: NBV Finance Department

Mayor Latham inquired about landscaping on the bulb-outs and asked about the plan of action. Village Manager Rosado responded the Village will continue to conduct routine maintenance and refresh where needed.

Mayor Latham also asked how the Village is enforcing the repaving ordinance for construction sites. The Village Manager responded that properties are required to obtain a right of way permit and staff will continue to monitor.

Lastly, the Mayor asked if the Village Commission wished to evaluate the Village Manager, it could be done in March.

9.A Communications & Special Events Report (January 2024)
9.B Traffic Enforcement Report (January 2024)
9.C Police Accreditation Report (January 2024)
9.D Code Enforcement Report (January 2024)
9.E Capital Improvement Projects Report (January 2024)
9.F Stormwater Projects Report Update (January 2024)

10. Village Clerk's Report

10.A Village Clerk's Report for January of 2024

11. Consent Agenda

A. Staff Items
B. Proclamation/Award/Village Key Requests

11.C A Resolution Amending the Budget for Fiscal Year 2023-2024 for Additional Human Resources Consulting Services in an Amount Not to Exceed $20,000 - Village Manager Ralph Rosado, Ph.D., AICP

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024 TO AUTHORIZE EXPENDITURES FOR ADDITIONAL HUMAN RESOURCES CONSULTING SERVICES; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

11.E A Resolution Approving Development & Construction and Operations & Management Agreements with the Asociacion de Futbol Argentino for Treasure Island Elementary School and the Galleon Street Property - *Sponsored by Mayor Brent Latham*

DRAFT

A RESOLUTION OF THE MAYOR AND VILLAGE COMMISSION OF NORTH BAY VILLAGE, FLORIDA, APPROVING AN AMENDED AND RESTATED DEVELOPMENT AND CONSTRUCTION MANAGEMENT AGREEMENT AND AN AMENDED AND RESTATED OPERATIONS AND MANAGEMENT AGREEMENT WITH THE ASOCIACIÓN DEL FÚTBOL ARGENTINO (AFA) (ALSO KNOWN AS THE ARGENTINE FOOTBALL ASSOCIATION) RELATING TO THE DEVELOPMENT AND OPERATION OF A COMMUNITY CENTER, SPORTS COURTS, AND OTHER IMPROVEMENTS AT THE PROPERTY LOCATED AT 1851 GALLEON STREET; APPROVING A DEVELOPMENT AND CONSTRUCTION MANAGEMENT AGREEMENT AND AN OPERATIONS AND MANAGEMENT AGREEMENT WITH AFA RELATING TO THE DEVELOPMENT AND OPERATION OF FIELDS AND OTHER IMPROVEMENTS AT THE PROPERTY LOCATED AT 7540 EAST TREASURE DRIVE; PROVIDING FOR AUTHORIZATION; PROVIDING FOR IMPLEMENTATION; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

11.G A Resolution Approving the Issuance of a Work Order to Atlantic Pipe Services (APS) in the Amount of $150,000 for Addition Manhole Repairs as Part of Ongoing INI Rehabilitation Work - *Village Manager Dr. Ralph Rosado (Public Works Director Marlon Lobban)*

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF A WORK ORDER TO ATLANTIC PIPE SERVICES, LLC FOR PHASE 2-A OF THE INFLOW AND INFILTRATION (I/I) MANHOLE REHABILITATION AND REPAIR PROJECT IN AN AMOUNT NOT TO EXCEED $150,000.00; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

11.I A Resolution Approving a Proposal from Kimley-Horn and Associates, In c in the Amount of $112,840.00 to Assess and Oversee Soil Remediation for the Galleon Street Redevelopment Project - Village Manager Ralph Rosado, PhD, AICP (Project Manager Carlos Llamas)

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF A WORK ORDER TO KIMLEY-HORN AND ASSOCIATES, INC. FOR ENVIRONMENTAL SERVICES RELATED TO PERMITTING, REMEDIATION, AND DEMOLITION FOR THE 1841-1851 GALLEON STREET REDEVELOPMENT PROJECT IN AN AMOUNT NOT TO EXCEED $105,340.00; APPROVING AN AMERICAN RESCUE PLAN ACT ADDENDUM TO THE CONTINUING PROFESSIONAL SERVICES AGREEMENT WITH KIMLEY-HORN AND ASSOCIATES, INC. ; AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

DRAFT

11.J A Resolution Amending the Fiscal Year 2023-2024 Budget to Transfer from Enterprise Fund Reserves to Provide For Sewer and Sanitation Funds - *Village Manager Dr. Ralph Rosado (Public Works Director Marlon Lobban)*

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024 TO PROVIDE FOR SANITATION AND SEWER VEHICLE EXPENSES ; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

ACTION: Vice Mayor Chervony made a motion to approve the consent agenda. Commissioner Cuk seconded the motion.

Upon roll call vote, the motion passed 5 - 0 with Commissioner Streitfeld, Commissioner Rotondaro, Commissioner Cuk, Vice Mayor Chervony, and Mayor Latham voting for.

At this time the following items were taken out of order.

11.A A Resolution Amending the Budget for Fiscal Year 2023-2024 to Authorize Emergency Expenditures to Relocate the Village Records - Alba L. Chang, CMC

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024 TO AUTHORIZE EMERGENCY EXPENDITURES FOR THE RELOCATION OF VILLAGE RECORDS; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Mayor Latham was concerned with paying for offsite storage fees for the Village records where the Village could potentially have a room available.

Village Clerk Chang clarified that the decision to remove the Village records offsite was due to poor room conditions and temperature at the Village Hall. The records were moved to a temperate control environment to keep the long-term preservation of such records.

There was consensus for Staff to defer the proposed request to a later date and the Village Manager could pay for the expenses under his authority.

11.B A Resolution Approving a Proposal from CAP Government, Inc. for Customized Document Scanning Services in an Amount Not to Exceed Budgeted Funds - Village Clerk Alba L. Chang, CMC

DRAFT

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF A WORK ORDER TO C.A.P. GOVERNMENT, INC. FOR DOCUMENT SCANNING SERVICES TO DIGITIZE BUILDING DEPARTMENT FILES IN AN AMOUNT NOT TO EXCEED BUDGETED FUNDS; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Mayor Latham stepped out of the Dias.

Vice Mayor Chervony proposed to increase the amount not to exceed $30,000 to complete the scanning of the building department property files within the year rather than yearly phases.

ACTION: Vice Mayor Chervony made a motion to approve funding the entire project up to $30,000 and provide for a Budget Amendment from the Building Department Fund. Commissioner Cuk seconded the motion.

Upon roll call vote, the motion passed 4 - 0 with Commissioner Streitfeld, Commissioner Rotondaro, Commissioner Cuk, and Vice Mayor Chervony voting for.

11.D A Resolution Approving a Contract with UKG for Human Resources and Payroll System to Automate the Human Resources Department and Amending the 2023-2024 Budget to Provide for the System Expenditures - Village Manager Ralph Rosado, PhD, AICP (Human Resources Manager Evelyn Herbello)

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE PURCHASE OF HUMAN RESOURCES AND PAYROLL SYSTEM SOFTWARE FROM KRONOS SAASHR, INC. D/B/A UKG UTILIZING THE TERMS AND CONDITIONS OF COBB COUNTY, GEORGIA, CONTRACT #18221; PROVIDING FOR AUTHORIZATION; AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024; AND PROVIDING FOR AN EFFECTIVE DATE.

Mayor Latham returned to the dias.

Yolanda Menengazoo of LagomHR came forward to address the Village Commission. The proposed system will make the entire HR program paperless, including benefits enrollment, recruitment, and onboarding. It will eliminate the manual process in Finance on payroll.

ACTION: Vice Mayor Chervony made a motion to approve the UKG contract. Commissioner Cuk seconded the motion.

Upon roll call vote, the motion passed 5 - 0 with Commissioner Streitfeld, Commissioner Rotondaro, Commissioner Cuk, Vice Mayor Chervony, and Mayor Latham voting for.

DRAFT

11.F A Resolution Approving Work Order 007-A1 to BCC Engineering, LLC in the Amount of $55,197.50 to Carry Out Supplemental Design, Permitting, and Post-Design Services for the North Bay Island Pump Station Improvements - ***Village Manager Ralph Rosado, Ph.D., AICP (CIP Manager Delroy Peters)***

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF AN AMENDMENT TO WORK ORDER NO. 007 TO BCC ENGINEERING, LLC FOR SUPPLEMENTAL DESIGN, PERMITTING, AND POST-DESIGN SERVICES FOR THE NORTH BAY ISLAND PUMP STATION IMPROVEMENTS IN AN AMOUNT NOT TO EXCEED $55,197.50; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Commissioner Streitfeld expressed dissatisfaction with the designs submitted to Miami-Dade County DERM, stating they did not adhere to County guidelines.

Alex Vazquez from BCC Engineering, LLC explained that the design process was based on obtaining an easement from an adjacent property, initially intending for it to be on the north side. However, the property owner changed their mind multiple times about the easement location, impacting the design phase.

Miami Dade County DERM has stated they will not issue a permit without the necessary easement in place.

The estimated start date for the project is the end of March, with bidding expected to begin thereafter. The project was anticipated to commence in mid-2025.

ACTION: Commissioner Streitfeld made a motion to approve the work order. Mayor Latham seconded the motion.

Upon roll call vote, motion passed 5 - 0 with Commissioner Streitfeld, Commissioner Rotondaro, Commissioner Cuk, Vice Mayor Chervony, Mayor Latham, voting for.

11.H A Resolution Approving an EAC Consulting Inc. Supplemental Work Order (WO 011-A2) for Full Permit Acquisition for the Civic Park Project - ***Village Manager Ralph Rosado, PhD, AICP (CIP Manager Delroy Peters)***

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF AMENDMENT NO. 2 TO WORK ORDER NO. 011 TO EAC CONSULTING, INC. FOR PERMITS AND PERMITTING SERVICES FOR THE CIVIC PARK PROJECT IN AN AMOUNT NOT

DRAFT

TO EXCEED $7,862.00; AUTHORIZING THE ISSUANCE OF ADDITIONAL WORK ORDERS FOR UNANTICIPATED PERMITS AND PERMITTING SERVICES IN A CONTINGENCY AMOUNT OF $38,805.70; AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

ACTION: Mayor Latham made a motion to approve the work order. Commissioner Cuk seconded the motion.

Upon roll call vote, motion passed 4 - 1 with Commissioner Streitfeld, Commissioner Cuk, Vice Mayor Chervony, and Mayor Latham voting for. Commissioner Rotondaro voted against.

12. First Reading of Ordinances

Please be advised that if you wish to comment upon any of these quasi-judicial items, please inform the Mayor during public comments. An opportunity for persons to speak on each item will be made available after the applicant and staff have made their presentations on each item. All testimony, including public testimony and evidence, will be made under oath or affirmation. Additionally, each person who gives testimony may be subject to crossexamination. If you refuse to be cross-examined or sworn-in, your testimony will be given its due weight. The general public will not be permitted to cross-examine witnesses, but the public may request the Commission ask questions of staff or witnesses on their behalf. Persons representing organizations must present evidence of their authority to speak for the organization. Further, details of the quasi-judicial procedures may be obtained from the Village Clerk.

12.A An Ordinance Comprehensively Updating the Unified Land Development Code - ***Village Manager Ralph Rosado, Ph.D., AICP (Village Planner Silvia E. Vargas, FAICP)***

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, COMPREHENSIVELY UPDATING THE UNIFIED LAND DEVELOPMENT CODE; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Village Clerk Chang read the ordinance title into the record.

Village Planner Silvia Vargas provided a detailed summary of the proposed amendments which included but not limited to the following:

Chapter 3
- Easement
- Driveway type

Chapter 4
- Clarified public meeting requirements.
- Mailed notices for site plan, and variances.

- Clarified the method for approvals.
- Added a provision for Development Review Committee (DRC)

Chapter 5

- Approval for Permits and Developments
- Essential supplementing information such as traffic impact statements and civil engineering was incorporated.
- Waterfront properties must be reviewed by the Shoreline Review Committee.
- Establish procedures for site plan modifications.
- Certificate of use

Chapter 7

- Administrative adjustments for non-residential properties.

Chapter 8

- New zoning category or public building and grounds.
- Modified provision for temporary structures.
- Clarified the green space for the front yard to 40%

Chapter 9

- Site design standards
- Percentage of front yard for driveways.
- Aligned tree removal provision with Florida statute.

Commissioner Streitfeld made the following recommendations to be included in the proposed legislation on second reading:

1. Workforce housing trust to be renamed resilient housing funds.
2. To require proof of experience with past projects utilizing similar process as the City of Hallandale Beach.
3. Expanding the scope of projects that trigger seawall improvements to include any waterside (new or expanded) improvements such as docks or lifts, excluding repairs and replacements.

Vice Mayor Chervony made the following suggestions:

1. That the provisions relating to the protection of the tree canopy be strengthened.
2. Provide a provision that 40% of the front of properties will be green.
3. Construction bonds are required for certain construction projects.

Village Planner Vargas noted that construction staging plans have been added as a requirement in this ordinance.

ACTION: Commissioner Streitfeld made a motion to approve the ordinance on first reading. Vice Mayor Chervony seconded the motion to include the suggested comments.

Upon roll call vote, the motion passed 5 - 0 with Commissioner Streitfeld, Commissioner Rotondaro, Commissioner Cuk, Vice Mayor Chervony, and Mayor Latham voting for.

DRAFT

13. Public Hearings

Please be advised that if you wish to comment upon any of these quasi-judicial items, please inform the Mayor during public comments. An opportunity for persons to speak on each item will be made available after the applicant and staff have made their presentations on each item. All testimony, including public testimony and evidence, will be made under oath or affirmation. Additionally, each person who gives testimony may be subject to cross-examination. If you refuse to be cross-examined or sworn-in, your testimony will be given its due weight. The general public will not be permitted to cross-examine witnesses, but the public may request the Commission ask questions of staff or witnesses on their behalf. Persons representing organizations must present evidence of their authority to speak for the organization. Further, details of the quasi-judicial procedures may be obtained from the Village Clerk.

13.A An Ordinance Amending Section 15.2.E.9 of the Unified Land Development Code Pertaining to Awnings - *Village Manager Ralph Rosado, Ph.D., AICP (Village Planner Silvia E. Vargas, FAICP, LEED AP)*

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AMENDING SECTION 15.2.E.9 OF THE UNIFIED LAND DEVELOPMENT CODE, PERTAINING TO AWNINGS; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING FOR AN EFFECTIVE DATE.

ACTION: Mayor Latham made a motion to approve the ordinance on second reading. Commissioner Rotondaro seconded the motion.

Upon roll call vote, the motion passed 5 - 0 with Commissioner Streitfeld, Commissioner Rotondaro, Commissioner Cuk, Vice Mayor Chervony, and Mayor Latham voting for.

14. Discussion/Action Items

A. Unfinished Business

B. New Business

14.A ~~Discussion of Workforce Housing Program Options - Village Manager Ralph Rosado, PhD, AICP (CGA Planning & Grants Administrator Vickki Placide-Pickard via Village Planner Silvia E. Vargas, FAICP, LEED AP)~~

~~Provide further direction to Village staff regarding the Workforce Housing Program concepts and use of funds.~~

DRAFT

14.B Discussion on Whether to Pause Capital Purchases Bearing the Village Name until Potential Village Name Change Is Determined - Village Manager Ralph Rosado, PhD, AICP

Village Manager Rosado sought guidance from the Village Commission regarding capital purchases bearing the Village's name, such as street signs.

The North Bay Plaza project was expected to commence in two months.

Vice Mayor Chervony estimated that the project could take around one and a half years to complete.

There was a unanimous agreement not to delay any capital purchases bearing the village name.

Vice Mayor Chervony proposed the creation of an overlay district to establish a name for marketing purposes.

The Village Commission recommended conducting a survey among residents to gauge interest in a potential name change.

There was consensus for Commissioner Daro to coordinate with the Communications Director to conduct a survey on the potential name change.

14.C Discussion Regarding Damages Caused by the 7918 West Drive Project - *Sponsored by Mayor Brent Latham*

Mayor Latham discussed that the project initially granted permission to use the lot across the street as a sales center, but it was instead used as a construction site. He raised concerns about the project using the right of way, resulting in damage to the street, and about relocating the crane.

Village Manager Rosado reported that Miami Dade County DERM inspected the water portion of the park. Vogel Park remains closed until the project owner removes debris and the crane by the end of the month. The Village has created a list of items for which the Village will seek compensation from the construction site. An insurance claim has been filed by the Village.

There was a Commission consensus for the Village to seek reimbursement for the damages resulting from the construction site debris on Vogel Park.

Attorney Brian Adler, representing the property owners, expressed gratitude that no injuries occurred. He reported that the crane will be removed by the end of the month, and repaving will be conducted.

DRAFT

Mayor Latham requested the construction fence to be moved back. The property owner is insured and is complying with all requested items. There was a discussion about compensating the Village for the loss of use.

Commissioner Daro briefly stepped away from the Dias.

The Village Staff presented the Commission with a Budget Amendment for damages totaling $28,000, excluding off-duty police and Public Works hours.

ACTION: Vice Mayor Chervony made a motion to approve the budget amendment for $28,000. Commissioner Cuk seconded the motion.

Upon roll call vote, the motion passed 4 - 0 with Commissioner Streitfeld, Commissioner Cuk, Vice Mayor Chervony, and Mayor Latham voting for.

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14.D Discussion and Status Update Regarding the Funding for Village Hall - Sponsored by Vice Mayor Dr. Richard Chervony

Vice Mayor Chervony provided a brief overview of potential funding sources for the Village Hall project, including contributions from the development community, Porta La Vie, and Transfer of Density Rights (TDR) sales. He requested clarification from staff regarding the allocation of these funds.

Village Manager Rosado responded, noting that the County has maintained its support for public art in public spaces. He also mentioned that achieving a silver LEED certification could potentially reduce cost estimates. However, there remains a shortfall of over $9 million. He also mentioned potential TDR purchasers, which could generate additional funds for the Village. He also highlighted that the Miami Dade County Mayor intends to include a ballot question on County Bond for infrastructure projects.

Village Manager Rosado suggested that the Village Commission consider adding all three funding options to the ballot and potentially seek voter approval to address the funding gap.

14.E Discussion of the Current Value of the Village's Transfer of Density Rights (TDR) Units - *Sponsored by Mayor Brent Latham and Vice Mayor Dr. Richard Chervony*

Vice Mayor Chervony stated the demand for Transfer of Density (TDR) sales was high. He urged the Village Commission to consider an increase in TDR values to range $100,000 for land lots and $125,000 for waterfront properties.

There was Commission consensus to increase the TDR value.
It was suggested to revise the TDR sale prices as follows:

Non-waterfront properties: $90,000.
Waterfront properties: $100,000

ACTION: Vice Mayor Chervony made a motion to increase the Transfer of Density Rights (TDR) value as follow:

$90,000 for non-waterfront lots per unit.
$100,000 for waterfront lots per unit.

Commissioner Cuk seconded the motion.

Upon roll call vote, motion passed 5 - 0 with Commissioner Streitfeld, Commissioner Rotondaro, Commissioner Cuk, Vice Mayor Chervony, Mayor Latham, voting for.

14.F Discussion Regarding Update on the Island Walk Project - *Sponsored by Mayor Brent Latham and Commissioner Andy Daro*

Chris Molina, Legislative Aide, provided the Village Commission with an update on the Island Walk project.

The Village Clerk has completed research work on 6 properties: Grand View Palace, Adagio, Blue Bay, Cielo, Space 01, and Eloquence on the Bay.

Currently in progress: Kennedy House and Gator House.

Extensive research has been conducted, and the Village Clerk, Attorney, and Manager will convene to discuss the next steps. Meetings coordination was scheduled for April.

Commissioner Daro expressed the need to schedule meetings promptly.
Mayor Latham suggested creating a continuous walkway in front of the properties to widen the sidewalk.

It was noted that RM40 zoning does not require an Island Walk. For RS and RS2 zones, security concerns were raised due to recent developments on the north side of the Village.

There was a discussion on the idea to open the walkway on Treasure Island and RM-40, residents of Treasure Island would need to discuss it during the rezoning Town Hall.

DRAFT

Mayor Latham inquired about strategies to assist properties with the Island Walk. Village Manager Rosado mentioned that the Village has funds available to help with seawall improvements in exchange for an easement for the Island Walk.

15. Adjournment

ACTION: Commissioner Cuk made a motion to adjourn the meeting. Vice Mayor Chervony seconded the motion, and it passed by unanimous voice vote.

There being no further business to discuss the meeting was adjourned at 10:59 p.m.

Accepted this 12th day of March 2024.

_____
Brent Latham, Mayor

ATTEST

_____
Alba L. Chang, CMC
Village Clerk

DRAFT

ITEM NO. 9.A

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Julie Leonardi, Director of Communications

SPONSORED BY:

SUBJECT: Communications & Special Events Report (February 2024)

RECOMMENDATION

BACKGROUND AND ANALYSIS
Communications & Special Events Report (February 2024)

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ATTACHMENTS
Comms Report Feb 2024.png

North Bay Village

Communications & Special Events Engagement Report

The Village Communications & Special Events Department transitioned to Constant Contact and the change has proven successful.

On average, our weekly newsletter, the 'Island Insider' reaches more than 3,000 subscribers. We are seeing a 51% open rate per newsletter. This is a higher rate than ever before. We've also increased our subscriber following by 10%.

Our '52 Weeks, 52 Wins' campaign, that directly links back to our Village website, headlines our weekly newsletter with a new 'win' that captivates our subscriber audience. The feedback on this has been excellent.

We're currently advertising our TI Parking Study Survey, which has received more than 100 submissions. We've been able to gain important feedback needed to plan next steps for parking on TI.

The Village's approach to storytelling through captivating videos has garnered remarkable engagement. The introduction of new storytelling videos has not only effectively communicated the Village's narrative but has also establishment a meaningful connection with the community, fostering a sense of pride and identity.

SOCIAL MEDIA ANALYTICS/VIDEOS

On *Instagram*, our NBV account has 2,901 followers and a 20% increase in engagement. We've gained 100+ followers since last month.
On *Facebook*, our NBV account has 2,000 followers with 22,500 impressions.
On *Twitter*, our NBV account has ~1,200 followers.
On *LinkedIn*, our NBV account has 55,000 impressions and a 10% increase in engagement since last month.
Newly released NBV videos have increased our social media engagement rat significantly and have received hundreds of views.

ITEM NO. 9.B

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Orlando Rodriguez, Code Enforcement Division Director

SPONSORED BY:

SUBJECT: Code Enforcement Report (February 2024)

RECOMMENDATION

BACKGROUND AND ANALYSIS

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
Recovered $2,725.00 in Code Enforcement Fines.

PERSONNEL IMPACT
NONE

ATTACHMENTS
Code Monthly Report February-2024.pdf
2024-000-10072 Incident Report.pdf

	Code	Statistics	Nov-19	$	$
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7904 West Dr. #101	Operating/Advertising	Warning	11/2/2019		
7904 West Dr. #203	Operating/Advertising	Warning	11/2/2019		
7904 West Dr. #704	Operating/Advertising	Warning	11/2/2019		
7904 west Dr. #206	Operating/Advertising	Warning	11/2/2019		
7904 West Dr. #303	Operating/Advertising	Warning	11/2/2019		
7904 West Dr. #111	Operating/Advertising	Warning	11/2/2019		
7904 West Dr. # 914	Operating/Advertising	Warning	11/2/2019		
7904 West Dr. # 917	Operating/Advertising	Warning	11/2/2019		
7700 Miami View Dr.	Special Magistrate	SM Order	10/29/2019		$29,160.00
7939 East Dr. #15	Operating/BTR	Citation	11/4/2019		$1,100.00
7904 East Dr. #407	Operating/BTR	Citation	11/4/2018	$1,100.00	
7700 Beach View Dr.	Operating/noise	Citation	11/13/2019		$1,100.00
1365 Bay Ter.	Operating	Citation	11/13/2019		$1,000.00
7904 West Dr. #507	Operating/BTR	Citation	11/15/2019		$2,100.00
7525 W Treasure Dr.	Operating	Citation	11/18/2019		$1,100.00
7540 Mutiny Ave.	Operating	Citation	11/20/2019		$550.00
7904 West Dr. #916	Operating /BTR	Citation	11/22/2019		$1,100.00
				$1,100.00	$37,210.00

	Code	Statistics	Dec-19	$	$
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7904 West Dr. #216	Operating/Advertising	Citation	12/3/2019		$1,350.00
7904 West Dr. #1003	Operating/Advertising	Citation	11/29/2019		$1,100.00
7904 West Dr. #711	Operating/Advertising	Warning	12/5/2019		
7904 West Dr. #602	Operating/Advertising	Warning	12/5/2019		
7904 West Dr. #512	Operating/Advertising	Warning	12/5/2019		
7904 West Dr #115	Operating/Advertising	Warning	11/30/2019		
1830 S Treasure Dr. #211	Operating/Advertising	Citation	12/10/2019	$1,100.00	
7921 West Dr. #6	Operating/Advertising	Warning	11/25/2019		
7545 E Treasure Dr. #10H	Operating/Advertising	Warning	11/25/2019		
7501 E Treasure Dr. #6T	Operating/Advertising	Warning	11/25/2019		
7928 East Dr. #101	Operating/Advertising	Warning	11/25/2019		
7939 East Dr.#15	WWP	Citation	12/1/2019		$500.00
7545 E Treasure Dr. #6i	WWP	Citation	12/6/2019		$500.00
7545 W Treasure Dr.	Landscape	Citation	12/6/2019		$200.00
7904 West Dr. #515	WWP	Citation	12/9/2019		$500.00
7701 Beach View Dr.	Various	Citation	12/12/2019		$2,500.00
1625 Kennedy Cswy	MOT Permit	Citation	12/12/2019		$500.00

	Landscape	Citation	12/13/2019		$675.00
1665 Kennedy Cswy	Noise/Permit	Citation	12/27/2019		$400.00
7901 Hispanola Ave	Noise	Citation	12/27/2019		$300.00
1665 Kennedy Cswy	Noise	Citation	12/30/2019	$500.00	
				$1,600.00	$8,525.00

	Code	**Statistics**	**Jan-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
1665 Kennedy Cswy	Noise/Permit	Citation	1/3/2020		$500.00
7940 West Dr.	Landscape	Citation	1/6/2020		$200.00
7900 Harbor Island #PH13	Operating/Advertising	Warning	1/6/2020		
7900 Harbor Island #PH17	Operating/Advertising	Warning	1/6/2020		
1865 Kennedy Cswy	WWP	Citation	1/9/2020	$500.00	
1401 Kennedy Cswy	WWP	Citation	1/4/2020	$200.00	
1401 Kennedy Cswy	WWP/Noise	Citation	1/11/2020	$500.00	
1550 S Treasure Dr.	WWP	Citation	1/11/2020	$200.00	
7904 West Dr. #1016	Special Magistrate	Order	1/13/2020		$2,000.00
1441 S Treasure Dr.	Special Magistrate	Order	1/16/2020		$400.00
1830 S Treasure Dr	Special Magistrate	Order	1/21/2020		$1,100.00
7509 Adventure Ave	Special Magistrate	Order	1/22/2020		$675.00
7711 Beach View Dr	WWP	Citation	1/23/2020		$500.00
7800 Beach View Dr	Trash	Citation	1/24/2020		$100.00
1865 Kennedy Cswy #3M	Noxious Odor	Citation	1/2/2020		$100.00
7504 Jewel Ave	WWP	Citation	1/2/2020		$500.00
1665 Kennedy Cswy	WWP	Citation	1/28/2020		$500.00
7904 West Dr. #115	Operating/Advertising	Citation	1/3/2020	$1,100.00	
7504 Adventure Ave	Operating/Advertising	Warning	1/6/2020		
1550 S Treasure Dr.	WWP	Citation	1/28/2020		$400.00
7900 Harbor Island #PH13	Operating/Advertising	Citation	1/23/2020	$2,100.00	
7900 Harbor Island #PH17	Operating/Advertising	Citation	1/23/2020	$2,100.00	
7920 East Drive	Minimum Housing	Warning	1/13/2020		
7401 Miami View Dr	Landscape	Warning	1/13/2020		
				$6,700.00	$6,975.00

	Code	**Statistics**	**Feb-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
1401 Kennedy Cswy	WWP/Noise	Citation	2/3/2020		$700.00
1550 Kennedy Cswy	WWP	Citation	2/3/2020		$500.00
7401 Beach View Dr	Derelict Trailer	Warning	2/7/2020		
7800 Hispanola Ave	WWP/Noise	Citation	2/5/2020		$700.00

7933 West Dr.	Building Parts	Warning	2/10/2020		
1865 Kennedy Cswy	WWP	Citation	2/3/2020		$500.00
1665 Kennedy Cswy	Blocking ROW	Warning	2/12/2020		
7920 West Dr	Dead Storage	Warning	2/7/2020		
Jewel /S.Treasure Dr	Dead Storage	Warning	2/11/2020		
7531 Miami View Dr	WWP	Citation	1/29/2020	$500.00	
1665 Kennedy Cswy	Blocking ROW	Citation	2/14/2020	$50.00	
1872 Kennedy Cswy	WWP	Citation	2/14/2020	$500.00	
7701 Coquina Dr	Landscape	Citation	2/21/2020	$500.00	
7711 Beach View Dr.	Operating/Advertising	Citation	2/19/2020	$1,100.00	
1665 Kennedy Cswy	Blocking ROW	Citation	2/19/2020	$50.00	
7552 Mutiny Ave	WWP	Citation	2/20/2020	$500.00	
1886 Kennedy Cswy	BTR	Warning	2/14/2020		
1888 Kennedy Cswy	BTR/Single use	Warning	2/14/2020		
1880 Kennedy Cswy	BTR	Warning	2/14/2020		
7810 Center Bay Dr	Landscape	Warning	2/19/2020		
7525 Buccaneer Ave	Fence	Warning	2/24/2020		
Adventure/S.Treasure Dr	Dead Storage	Warning	2/18/2020		
Galleon/E.Treasure Dr	Dead Storage	Warning	2/5/2020		
7934 West Dr	Knox Box	Warning	2/17/2020		
1625 Kennedy Cswy	Knox Box	Warning	2/17/2020		
1865 Kennedy Cswy	WWP	Citation	2/15/2020	$500.00	
1872 Kennedy Cswy	Trash	Citation	2/17/2020	$200.00	
1666 Kennedy Cswy	Minimum Housing	Warning	2/7/2020		
7525 W Treasure Dr	Operating/Advertising	Citation	2/28/2020		$2,100.00
1624 Kennedy Cswy	BTR	Warning	2/26/2020		
1630 Kennedy Cswy	BTR	Warning	2/27/2020		
7601 E Treasure Dr #4	BTR	Warning	2/27/2020		
7601 E Treasure Dr #20	BTR	Warning	2/27/2020		
				$3,900.00	$4,500.00

	Code	**Statistics**	**Mar-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
1520 S. Treasure Dr	WWP	Citation	2/29/2020	$200.00	
1520 S. Treasure Dr	Noise	Citation	2/29/2020	$200.00	
7537 W. Treasure Dr	Operating/Advertising	Citation	3/3/2020		$1,100.00
7920 East Dr #14	WWP	Citation	3/4/2020		$200.00
1872 Kennedy Cswy	WWP	Citation	3/9/2020		$500.00
1872 Kennedy Cswy	Trash	Citation	3/9/2020		$200.00
7904 West Dr #808	WWP	Citation	3/9/2020	$500.00	
7525 Buccaneer Ave	WWP	Citation	3/7/2020	$200.00	
7525 Buccaneer Ave	Noise	Citation	3/7/2020	$200.00	
7900 Harbor Island Dr#517	Operating/Advertising	Warning	3/10/2020		

7508 Jewel Ave	Operating/Advertising	Warning	3/10/2020		
7904 West Dr #808	WWP	Citation	3/10/2020		$500.00
1665 79th Street CSWY	Graffiti	Warning	3/11/2020		
1580 79th St CSWY	Graffiti	Warning	3/11/2020		
1600 79th St CSWY	Graffiti	Warning	3/11/2020		
7904 West Dr #206	Special Magistrate	Order	3/9/2020		$1,500.00
7601 E. Treasure Dr #25	BTR	Warning	3/10/2020		
7601 E Treasure Dr #10	Trash	Warning	3/11/2020		
7601 E. Treasure Dr	Dumpster Regulations	Warning	3/11/2020		
7904 West Dr #112	WWP	Citation	3/12/2020	$500.00	
7544 Mutiny Ave	Operating/Advertising	Warning	3/12/2020		
7830 Miami View Dr	Operating/Advertising	Warning	3/12/2020		
7904 West Dr #303	Operating/advertising	Citation	3/12/2020	$1,100.00	
1550 Kennedy Cswy	BTR	Warning	3/12/2020		
1555 N.Treasure Dr #311	Operating/Advertising	Warning	3/12/2020		
1850 S. Treasure Dr	WWP	Citation	3/14/2020	$200.00	
1850 S. Treasure Dr	Noise	Citation	3/14/2020	$200.00	
7610 Center Bay Dr	Operating/Advertising	Citation	3/17/2020	$1,000.00	
7610 Center Bay Dr	BTR	Citation	3/17/2020	$100.00	
7525 W. Treasure Dr	Operating/Advertising	Citation	3/17/2020	$2,000.00	
7525 W. Treasure Dr	BTR	Citation	3/17/2020	$100.00	
7529 Bounty Ave	Building Maintenance	Warning	3/18/2020		
7410 Beach View Dr	Landscape/Pool	Warning	3/18/2020		
1400 Kennedy Cswy	Trash/Signs	Warning	3/18/2020		
Utility Contractor	Obstructing ROW	Citation	3/18/2020	$50.00	
7904 West Drive #604	Special Magistrate	Order	3/24/2020		$2,000.00
7929 West Dr	Knox Box	Warning	3/19/2020		
1401 Kennedy Cswy	Noise	Citation	3/26/2020	$200.00	
7508 Jewel Ave	Operating/Advertising	Citation	3/27/2020	$1,100.00	
7508 Jewel Ave	Emergency Order	Citation	3/27/2020	$250.00	
7601 E Treasure Dr	Emergency Order	Warning	3/30/2020		
Various	Emergency Order	Advisory	Various		
				$8,100.00	$6,000.00

	Code	**Statistics**	**Apr-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7508 E Treasure Dr	Trash	Warning	4/1/2020		
7917 West Dr	Bulk Trash	Warning	4/1/2020		
1850 S Treasure Dr	Noise	Citation	4/3/2020	$200.00	
1555 N Treasure Dr	ROW Violation	Warning	4/1/2020		
1850 S Treasure Dr	WWP	Citation	4/3/2020	$200.00	
7610 Center Bay Dr	Operating/Advertising	Citation	4/6/2020		$1,000.00
7610 Center Bay Dr	BTR	Citation	4/6/2020		$100.00

7900 Harbor Island Dr #521	BTR	Warning	4/1/2020		
7524 W Treasure Dr	Special Magistrate	Order	4/1/2020		$1,550.00
7553 Bounty Ave	Trash	Warning	4/7/2020		
7925 West Dr	WWP	Citation	4/7/2020		$500.00
7925 West Dr	Seawall	Warning	4/7/2020		
7925 West Dr	WWP	Citation	4/10/2020		$500.00
1850 S Treasure Dr	Noise	Citation	4/6/2020		$200.00
1850 S Treasure Dr	WWP	Citation	4/6/2020		$200.00
7601 E Treasure Dr #2119	Emergency Order	Citation	4/15/2020	$250.00	
7508 Jewel Ave	Operating/Advertising	Citation	4/16/2020	$2,000.00	
7508 Jewel Ave	BTR	Citation	4/16/2020	$100.00	
7508 Jewel Ave	Emergency Order	Citation	4/16/2020	$250.00	
7904 West Dr #1003	Operating/Advertising	Citation	4/17/2020	$2,000.00	
7904 West Dr #1003	BTR	Citation	4/17/2020	$100.00	
7904 West Dr #1003	Emergency Order	Citation	4/17/2020	$250.00	
7904 West Dr #1005	Emergency Order	Citation	4/17/2020	$250.00	
7536 W Treasure Dr	WWP	Citation	4/17/2020	$500.00	
7904 West Dr #1005	Operating/Advertising	Warning	4/17/2020		
7904 West Dr	WWP	Citation	4/20/2020	$500.00	
7601 E Treasure Dr #CU19	Emergency Order	Citation	4/21/2020	$250.00	
7508 Jewel Ave	Various	Citation	4/23/2020		$1,350.00
7508 Jewel Ave	Various	Citation	4/23/2020		$2,350.00
1880 S Treasure Dr #3A	WWP	Citation	4/23/2020	$500.00	
1480 S Treasure Dr	Trash	Warning	4/24/2020		
7517 Buccaneer Ave	Noise	Citation	4/25/2020	$200.00	
1860 Kennedy Cswy	Trash	Citation	4/27/2020	$200.00	
7911/7913 West Dr	Trash	Warning	4/24/2020		
(15) Lien Searches					
				$7,750.00	$7,750.00

	Code	**Statistics**	**May-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7525 W Treasure Dr	Operating/Advertising	Citation	4/3/2020		$2,100.00
7937 West Drive #F	Minimum Housing	Warning	4/30/2020		
7937 West Drive #F	Minimum Housing	Citation	5/1/2020	$250.00	
7517 Buccaneer Ave	Noise	Citation	5/6/2020		$200.00
7904 West Dr #1005	Emergency Order	Citation	5/6/2020		$250.00
7700 Miami View Dr	WWP	Citation	5/8/2020	$500.00	
7400 Beach View Dr	Landscape	Warning	5/4/2020		
7524 W Treasure Dr	Landscape	Warning	5/6/2020		
7700 Miami View Dr	WWP	Citation	5/8/2020		$500.00
1365 Bay Terrace	Noise	Citation	5/9/2020	$100.00	
7517 Hispanola Ave	Graffiti/Maintenance	Warning	5/7/2020		
7904 West Dr #115	Operating/Advertising	Warning	5/8/2020		

7904 West Dr #205	Operating/Advertising	Warning	5/8/2020		
7731 Coquina Dr	Operating/Advertising	Warning	58/2020		
1601 Kennedy Cswy	Graffiti	Warning	5/8/2020		
7401 Miami View Dr	Landscape	Warning	5/9/2020		
7623 Beach View Dr	Trash/Recycling	Citation	5/9/2020		
1755 Kennedy Cswy	Graffiti/Trash	Warning	5/11/2020		
7934 West Dr #1005	Operating/Advertising	Warning	5/13/2020		
1640 N Treasure Drive	Operating/Advertising	Warning	5/13/2020		
1540 S Treasure Dr	Landscape	Warning	5/13/2020		
7553 Adventure Ave	Landscape	Warning	5/13/2020		
7536 W Treasure Dr	WWP	Citation	5/13/2020		$500.00
7711 Beach View Dr	Operating/Advertising	Citation	5/14/2020	$2,000.00	
7711 Beach View Dr	BTR	Citation	5/14/2020	$100.00	
1440 S Treasure Dr	Landscape	Warning	5/14/2020		
1881 Kennedy Cswy #706	Operating/Advertising	Warning	5/15/2020		
7557 Mutiny Ave	Operating/Advertising	Warning	5/15/2020		
7544 Adventure Ave	Operating/Advertising	Warning	5/16/2020		
7623 Beach View Dr	Trash	Citation	5/16/2020	$200.00	
7544 Adventure Ave	Property Maintenance	Warning	5/18/2020		
7926 East Drive	Noise	Citation	5/18/2020	$100.00	
7940 West Drive	Fence	Warning	5/20/2020		
1860 Kennedy Cswy	Trash	Citation	5/20/2020		$200.00
1401 Kennedy Cswy	WWP	Citation	5/22/2020	$500.00	
7904 West Drive #205	Operating/Advertising	Citation	5/23/2020	$1,000.00	
7904 West Drive #205	BTR	Citation	5/23/2020	$100.00	
1555 Kennedy Cswy	Fence	Warning	5/20/2020		
1555 Kennedy Cswy	Landscape ROW	Warning	5/22/2020		
1880 Kennedy Cswy	Trash	Warning	5/27/2020		
7556 W Treasure Dr	Expired Permits	Citation	5/27/2020	$500.00	
1550 S Treasure Dr	Noise/WWP	Citation	5/27/2020		$1,100.00
7501 Adventure Ave	Landscape ROW	Warning	5/28/2020		
7601 E Treasure Dr	Emergency Order	Citation	5/28/2020		$250.00
Lien Searches (14)					
				$5,350.00	$5,100.00

	Code	**Statistics**	**Jun-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7510 Coquina Dr	Noise	Warning	5/28/2020		
7556 W Treasure Dr	Expired Permit	Citation	5/29/2020		$500.00
7904 West Drive	WWP	Citation	5/29/2020		$500.00
1540 S Treasure Dr	Trash	Warning	6/1/2020		
1819 Kennedy Cswy	Emergency Order	Citation	6/1/2020		$250.00
7521 W Treasure Dr	Permit	Warning	6/3/2020		
1801 S Treasure Dr	Trash	Warning	6/2/2020		

1865 Kennedy Cswy #10D	Noxious Odor	Warning	6/2/2020		
1401 Kennedy Cswy	WWP	Citation	6/4/2020		$500.00
7517 Hispanola Ave	Graffiti	Warning	6/2/2020		
1555 N Treasure Dr	Trash	Warning	6/4/2020		
1872 Kennedy Cswy	Trash	Warning	6/2/2020		
1570 S Treasure Dr	Trash	Warning	6/6/2020		
1555 Kennedy Cswy	Landscape ROW	Warning	6/8/2020		
7711 Beachview Dr	Trash	Warning	6/9/2020		
1900 S Treasure Drive	Trash	Warning	6/9/2020		
7525 Cutlass Ave	Landscape	Warning	6/9/2020		
Vacant Coquina Lot	Landscape	Warning	6/9/2020		
1725 Kennedy Cswy	Prohibited Sign	Warning	6/11/2020		
7556 W Treasure Dr	Special Magistrate	Order	6/15/2020		$325.00
7556 W Treasure Dr	WWP	Citation	6/12/2020		$500.00
7720 Miami View	Noise	Warning	6/8/2020		
1450 S Treasure Dr	Landscape	Warning	6/15/2020		
7810 Center Bay Dr	Landscape	Warning	6/15/2020		
1830 S Treasure Dr	Trash	Warning	6/15/2020		
7731 Coquina Dr	Operating/Advertising	Citation	6/12/2020	$1,000.00	
7731 Coquina Dr	BTR	Citation	6/12/2020	$100.00	
7731 Coquina Dr	Emergency Order	Citation	6/12/2020	$250.00	
1865 Kennedy Cswy #4J	WWP	Citation	6/12/2020	$500.00	
7904 West Drive #115	Operating/Advertising	Citation	6/11/2020	$1,000.00	
7904 West Drive #115	BTR	Citation	6/11/2020	$100.00	
7904 West Drive #115	Emergency Order	Citation	6/11/2020	$250.00	
7410 Center Bay Dr	WWP	Citation	6/12/2020		$300.00
1830 S Treasure Dr	Bulk Trash	Warning	6/15/2020		
1450 S Treasure Dr	Trash	Warning	6/15/2020		
7536 Mutiny Ave	Trash/Recycling	Warning	6/16/2020		
Kennedy Cswy/Harbor	Prohibited Sign	Removed	6/18/2020		
7917 West Drive	Bulk Trash	Warning	6/22/2020		
1865 Kennedy Cswy #4J	WWP	Citation	6/22/2020		$500.00
1800 Kennedy Cswy #A201	Minimum Housing	Warning	6/25/2020		
7929 West Drive	Bulk Trash	Warning	6/25/2020		
7911/7913 West Dr	Trash	Warning	6/25/2020		
1400 Kennedy Cswy	Fence	Warning	6/25/2020		
7904 West Drive #1003	Operating/Advertising	Citation	6/23/2020		$2,100.00
7525 E Treasure Dr	Special Magistrate	Order	6/24/2020		$1,000.00
1801 S Treasure Dr #329	Trash/Littering	Citation	6/26/2020	$250.00	
7711 Beachview Dr	Landscape/Trash	Warning	6/29/2020		
7510 Coquina Dr	Landscape/Trash	Warning	6/29/2020		
7532 W Treasure Dr	Trash	Warning	6/30/2020		
Lien Searches (32)					
				$3,450.00	$6,475.00

	Code	Statistics	Jul-20	$	$
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7531 Coquina Dr	Landscape	Warning	6/30/2020		
1900 E Treasure Dr #4C	Noise	Warning	6/30/2020		
East Drive	Vehicle Violation	Warning	7/1/2020		
7549 Bounty Ave	Landscape	Warning	7/2/2020		
7513 W Treasure Dr	Trash	Warning	7/2/2020		
7544 W Treasure Dr	Landscape	Warning	7/3/2020		
7505 Adventure Ave	Landscape	Warning	7/3/2020		
1620 N Treasure Dr	Landscape	Warning	7/3/2020		
7529 Hispanola Ave	Landscape	Warning	7/3/2020		
S Treasure Drive	Vehicle Violation	Warning	7/5/2020		
Galleon Street	Vehicle Violation	Warning	7/5/2020		
Galleon Street	Vehicle Violation	Warning	7/5/2020		
E Treasure Dr	Vehicle Violation	Warning	7/5/2020		
S Treasure Drive	Vehicle Violation	Warning	7/5/2020		
7517 Hispanola Ave	Special Magistrate	Order	7/6/2020		$20,000.00
7731 Coquina Dr	Operating/Advertising	Citation	7/6/2020		$1,000.00
7731 Coquina Dr	BTR	Citation	7/6/2020		$100.00
7731 Coquina Dr	Emergency Order	Citation	7/6/2020		$250.00
7918 West Drive	Trash	Warning	7/7/2020		
7810 Center Bay Dr	Landscape	Warning	7/7/2020		
7509 Adventure Ave	Blocking ROW	Warning	7/8/2020		
7904 West Dr #905	Special Magistrate	Order	7/7/2020		$2,175.00
1301 Bay Terrace	Bulk Trash	Warning	7/9/2020		
1365 Bay Terrace	Trash	Warning	7/9/2020		
8000 East Drive	WWP	Citation	7/10/2020	$500.00	
7904 West Drive #904	Emergency Order	Citation	7/11/2020	$250.00	
7904 West Drive #904	Operating/Advertising	Citation	7/11/2020	$2,000.00	
7904 West Drive #904	BTR	Citation	7/11/2020	$100.00	
7701 Beachview Dr	Emergency Order	Citation	7/11/2020	$250.00	
7548 W Treasure Dr	WWP	Citation	7/11/2020	$500.00	
1801 S Treasure Dr	Trash	Warning	7/13/2020		
7537 W Treasure Dr	Trash	Warning	7/13/2020		
7537 W Treasure Dr	Landscaping ROW	Warning	7/13/2020		
7911 East Drive	Derelict Vehicle	Warning	7/14/2020		
1872 Kennedy Causeway	Trash	Warning	7/15/2020		
1441 S Treasure Dr	Emergency Order	Citation	7/16/2020	$250.00	
Public Property	Derelict Vehicle	Warning	7/16/2020		
1450 S Treasure Dr	Operating/Advertising	Warning	7/18/2020		
1881 Kennedy Cswy #706	Operating/Advertising	Citation	7/18/2020	$1,000.00	
1881 Kennedy Cswy #706	BTR	Citation	7/18/2020	$100.00	
7934 West Drive #1005	Operating/Advertising	Citation	7/18/2020	$1,000.00	

7934 West Drive #1005	BTR	Citation	7/18/2020	$100.00	
1331 Bay Terrace	Special Magistrate	Order	7/20/2020		$2,500.00
1580 Kennedy Cswy	Landscape	Warning	7/21/2020		
7544 Mutiny Ave	Landscape	Warning	7/21/2020		
7801 Center Bay Dr	Open/Unsecured	Warning	7/27/2020		
7940 West Drive	Landscape	Warning	7/27/2020		
7931 East Drive	Derelict Vehicle	Warning	7/27/2020		
7931 East Drive	Vessel Violation	Warning	7/27/2020		
1860 S Treasure Dr	WWP	Citation	7/29/2020		$1,200.00
7801 Center Bay Dr	Open/Unsecured	Warning	7/29/2020		
7710 Coquina Dr	Bulk Trash	Warning	7/30/2020		
8000 East Drive	WWP	Citation	7/30/2020		$500.00
Various Locations	Weather Advisory	Warning	7/31/2020		
(27) Lien Searches					
				$6,050.00	$27,725.00

	Code	**Statistics**	**Aug-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
1872 Kennedy Cswy	Bulk Trash	Warning	8/3/2020		
1725 Kennedy Cswy	Trash/Sign	Warning	8/3/2020		
7904 West Drive	Bulk Trash	Warning	8/3/2020		
1555 Kennedy Cswy	Sign	Warning	8/3/2020		
7711 Beachview Dr	WWP/Filming	Citation	8/3/2020	$500.00	
1666 Kennedy Cswy #610	WWP	Citation	8/4/2020	$500.00	
7540 Mutiny Ave	Bulk Trash	Warning	8/5/2020		
Adventure Ave/AtlanticBB	Blocking ROW	Warning	8/5/2020		
1801 S Treasure Dr #329	Littering	Warning	8/5/2020		
7556 W Treasure Dr	WWP	Citation	8/6/2020	$500.00	
1801 S Treasure Dr #329	Littering	Warning	8/6/2020		
1666 Kennedy Cswy #610	WWP	Citation	8/6/2020		$500.00
7711 Beachview Dr	Property Maintenance	Warning	8/6/2020		
1801 S Treasure Dr	Trash	Warning	8/10/2020		
7553 Cutlass Ave	Bulk Trash	Warning	8/10/2020		
7501 Adventure Ave	Landscaping / Sidewalk	Warning	8/11/2020		
Bounty / N Treasure Dr	Derelict Vehicle	Warning	8/11/2020		
7934 West Drive	Property Maintenance	Warning	8/11/2020		
1365 Bay Terrace	Bulk Trash	Warning	8/12/2020		
7721 Beachview Dr	Bulk Trash	Warning	8/12/2020		
1820 E Treasure Dr #306A	WWP	Citation	8/13/2020	$500.00	
Galleon Street	Derelict Vehicle	Warning	8/13/2020		
7544 Adventure Ave	Derelict Vehicles	Warning	8/13/2020		
1441 S Treasure Dr	Emergency Order	Citation	8/14/2020	$250.00	
1900 S Treasure Dr	Illicit Discharge	Citation	8/17/2020	$200.00	

1900 S Treasure Dr	Illicit Discharge	Citation	8/17/2020	$200.00	
1801 S Treasure Dr #329	Littering	Citation	8/19/2020		$250.00
1681 Kennedy Causeway	Blocking ROW	Citation	8/19/2020	$200.00	
7556 W Treasure Dr	WWP	Citation	8/19/2020		$500.00
7910 Harbor Island #1111	Minimum Housing	Warning	8/15/2020		
7511 Center Bay Dr	Landscaping	Warning	8/15/2020		
7517 Adventure Ave	Noise	Citation	8/15/2020	$200.00	
1860 S Treasure Drive	WWP	Citation	8/21/2020		$900.00
7904 West Drive #404	Emergency Order	Citation	8/19/2020	$250.00	
7920 East Drive #16	WWP	Citation	8/20/2020	$500.00	
7501 E Treasure Drive	Noise	Warning	8/20/2020		
7904 West Drive #404	Property Maintenance	Warning	8/20/2020		
7904 West Drive #CU-12	BTR	Warning	8/20/2020		
Various Locations	Weather Advisory	Warning	8/21/2020		
7920 West Drive	Bulk Trash	Warning	8/18/2020		
7548 W Treasure Dr	Noise	Warning	8/19/2020		
N Treasure Dr & Adventure	Prohibited Sign	Removed	8/20/2020		
7821 Coquina Dr	WWP	Warning	8/20/2020		
7801 Miami View Dr	Special Magistrate	Order	8/26/2020		$1,200.00
1820 E Treasure Dr #306A	WWP	Citation	8/27/2020		$500.00
7917 West Drive	Trash	Warning	8/26/2020		
7552 Adventure Ave	Bulk Trash	Warning	8/25/2020		
1365 Bay Terrace	Bulk Trash	Warning	8/26/2020		
7537 Adventure Ave	Bulk Trash	Warning	8/26/2020		
(28) Lien Searches					
				$3,800.00	$3,850.00

	Code	**Statistics**	**Sep-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
1441 S treasure Dr	Trash Cans	Citation	8/29/2020	$50.00	
1441 S treasure Dr	Landscaping	Warning	8/29/2020		
7904 West Drive #708	Operating/Advertising	Warning	8/29/2020		
7720 Center Bay Dr	Operating/Advertising	Warning	8/29/2020		
7801 Center Bay Dr	Trash	Warning	9/1/2020		
7904 West Drive #214	Special Magistrate	Order	9/2/2020		$4,500.00
7801 Beachview Dr	Landscaping	Warning	9/3/2020		
7904 West Drive #602	Special Magistrate	Order	9/3/2020		$3,000.00
1900 S Treasure Dr	Illicit Discharge	Citation	9/4/2020		$200.00
1900 S Treasure Dr	Illicit Discharge	Citation	9/4/2020		$200.00
7917 Adventure Ave	Noise	Warning	9/2/2020		
8020 East Drive #215	WWP	Citation	9/4/2020	$500.00	
7821 Beachview Dr	Noise	Citation	9/5/2020	$200.00	
7525 Buccaneer Ave	Noise	Warning	9/5/2020		

1881 Kennedy Cswy	Noise	Citation	9/5/2020	$200.00	
7904 West Drive #810	Operating/Advertising	Citation	9/5/2020	$1,000.00	
7904 West Drive #810	BTR	Citation	9/5/2020	$100.00	
7920 East Drive #16	WWP	Citation	9/8/2020		$500.00
7530 Miamiview Dr	Trash	Warning	9/8/2020		
1701 N Treasure Dr #6	Landscaping	Warning	9/8/2020		
1365 Bay Terrace	Special Magistrate	Order	9/10/2020		$7,000.00
1865 Kennedy Cswy #6k	WWP	Citation	9/10/2020	$500.00	
1441 S treasure Dr	Landscaping	Citation	9/12/2020	$200.00	
7904 West Drive #512	Special Magistrate	Order	9/11/2020		$3,500.00
7623 Beachview Drive	Emergency Order	Citation	9/14/2020	$250.00	
7421 Coquina Drive	Bulk trash	Warning	9/14/2020		
1701 S Treasure Drive	Bulk trash	Warning	9/14/2020		
Folio # 23-3209-014-0190	Trash	Warning	9/14/2020		
7623 Beachview Drive	Emergency Order	Citation	9/15/2020	$250.00	
1700 Kennedy Cswy #110	BTR	Warning	9/12/2020		
1872 Kennedy Cswy	WWP	Citation	9/16/2020		$500.00
7421 Center Bay Dr	Noise	Warning	9/12/2020		
1900 S Treasure Dr	Noise	Warning	9/18/2020		
7508 Bounty Ave	Landscaping	Warning	9/19/2020		
1701 N Treasure Dr #6	Landscaping	Citation	9/19/2020	$200.00	
7508 Adventure Ave	Landscaping	Warning	9/19/2020		
1666 Kennedy Cswy	Noise	Citation	9/19/2020	$200.00	
1666 Kennedy Cswy	WWP	Citation	9/19/2020	$500.00	
7553 Adventure Ave	Bulk trash	Warning	9/21/2020		
8000 West Drive	Bulk trash	Warning	9/21/2020		
7623 Beachview Drive	Trash	Citation	9/17/2020		$200.00
7540 W Treasure Dr	Trash/Debris	Warning	9/22/2020		
1865 Kennedy Cswy #PHN	Special Magistrate	Order	9/24/2020		$3,000.00
7937 West Drive	Minimum Housing	Citation	9/23/2020		$250.00
1881 Kennedy Cswy	Noise	Citation	9/21/2020		$200.00
7904 West Drive #CU12	BTR	Citation	9/24/2020	$100.00	
1900 S Treasure Dr	Illicit Discharge	Citation	9/25/2020	$200.00	
1900 S Treasure Dr	Illicit Discharge	Citation	9/25/2020	$200.00	
7544 W Treasure Dr	WWP	Citation	9/25/2020	$500.00	
1441 S treasure Dr	Emergency Order	Citation	9/25/2020	$250.00	
7720 Miami View Dr	WWP	Citation	9/26/2020	$500.00	
7623 Beachview Drive	Emergency Order	Citation	9/24/2020	$250.00	
7623 Beachview Drive	Emergency Order	Citation	9/24/2020		$250.00
7525 Buccaneer Ave	Noise	Citation	9/29/2020		$200.00
1520 S Treasure Drive	Noise	Citation	9/29/2020		$200.00
(53) Lien Searches					
				$6,150.00	$23,700.00

	Code	Statistics	Oct-20	$	$
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7623 Beachview Dr	WWP	Citation	10/3/2020	$500.00	
7701 Beachview Dr	Emergency Order	Citation	10/1/2020		$250.00
7623 Beachview Dr	Noise	Citation	10/3/2020	$200.00	
7918 West Drive	Fence	Warning	10/3/2020		
7545 Bounty Ave	Bulk Trash	Warning	10/3/2020		
7541 Bounty Ave	Bulk Trash	Warning	10/3/2020		
7541 Bounty Ave	WWP	Citation	10/3/2020	$500.00	
7544 Adventure Ave	Derelict Vehicle	Warning	10/5/2020		
1750 S Treasure Dr	WWP	Citation	10/5/2020	$500.00	
7536 W Treasure Dr	WWP	Citation	10/6/2020	$500.00	
7536 W Treasure Dr	Operating/Advertising	Warning	10/6/2020		
7623 Beachview Dr	Emergency Order	Citation	10/6/2020		$250.00
7904 West Drive #810	Special Magistrate	Order	10/7/2020		$587.00
7541 Cutlass Ave	WWP	Citation	10/7/2020	$500.00	
1550 Kennedy Cswy	Special Magistrate	Order	10/7/2020		$5,525.00
7623 Beachview Dr	WWP	Citation	10/8/2020	$500.00	
7532 Buccaneer Ave	Blocking ROW	Warning	10/9/2020		
7711 Beachview Dr	Trash Cans	Warning	10/9/2020		
7800 Beachview Dr	Trash Cans	Warning	10/9/2020		
7711 Beachview Dr	Trash Cans	Citation	10/10/2020	$200.00	
7904 West Drive #614	WWP	Citation	10/10/2020	$500.00	
7810 Coquina Dr	WWP	Citation	10/10/2020	$500.00	
7800 Beachview Dr	Noise	Citation	10/12/2020	$100.00	
7810 Coquina Dr	Landscape	Warning	10/8/2020		
7504 Buccaneer Ave	Noise	Citation	10/10/2020	$100.00	
7800 Beachview Dr	Noise	Citation	10/12/2020	$100.00	
7623 Beachview Dr	WWP	Citation	10/12/2020		$500.00
7623 Beachview Dr	Noise	Citation	10/12/2020		$200.00
7623 Beachview Dr	WWP	Citation	10/12/2020		$500.00
7904 West Drive #CU12	WWP	Citation	10/14/2020	$500.00	
7810 Beachview Dr	Operating/Advertising	Warning	10/13/2020		
7504 Buccaneer Ave	Noise	Citation	10/14/2020		$100.00
1580 Kennedy Cswy	40 Year	Citation	10/15/2020	$500.00	
7505 W Treasure Dr	WWP	Citation	10/16/2020	$500.00	
1441 S Treasure Dr	Trash Cans	Citation	10/16/2020	$200.00	
7510 Coquina Dr	WWP	Citation	10/16/2020	$500.00	
1441 S Treasure Dr	Trash Cans	Citation	10/17/2020	$200.00	
1440 S Treasure Dr	Noise	Warning	10/17/2020		
7810 Coquina Dr	WWP	Citation	10/19/2020		$500.00
1770 Kennedy Cswy #303	WWP	Citation	10/19/2020	$500.00	
7904 West Drive #515	Special Magistrate	Order	10/16/2020		$3,000.00

7541 Cutlass Ave	WWP	Citation	10/20/2020		$500.00
7504 Buccaneer Ave	Noise	Citation	10/20/2020		$250.00
1801 S Treasure Dr	Landscape ROW	Warning	10/20/2020		
1657 N Treasure Dr	Landscape ROW	Warning	10/21/2020		
7517 Adventure Ave	Landscape ROW	Warning	10/21/2020		
1620 N Treasure Dr	Landscape ROW	Warning	10/22/2020		
7537 W Treasure Dr	Landscape ROW	Warning	10/22/2020		
1580 Kennedy Cswy	40 Year	Citation	10/23/2020		$500.00
7552 Mutiny Ave	Special Magistrate	Order	10/26/2020		$3,000.00
7510 Center Bay	Trash/Landscape	Warning	10/26/2020		
7512 Adventure/TECO	WWP	Citation	10/26/2020	$500.00	
7541 Bounty Ave	WWP	Citation	10/26/2020		$500.00
Hispanola/N Treasure	Derelict Vehicle	Warning	10/27/2020		
1801 S Treasure Dr	Bulk Trash	Warning	10/29/2020		
7524 W Treasure Dr	Fence	Warning	10/29/2020		
1630 S Treasure Dr	Landscape	Warning	10/31/2020		
7532 Hispanola Ave	Landscape	Warning	10/31/2020		
7505 Cutlass Ave	Landscape	Warning	10/31/2020		
(37) Lien Searches					
				$8,100.00	$16,162.00

	Code	**Statistics**	**Nov-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7544 W Treasure Dr	Bulk Trash	Warning	11/2/2020		
1750 S Treasure Dr	WWP	Citation	10/10/2020		$500.00
7800 Beachview Dr	Noise	Citation	10/21/2020		$100.00
7536 W Treasure Dr	WWP	Citation	10/19/2020		$500.00
7623 Miamiview Dr	WWP	Citation	10/30/2020		$500.00
7501 Miamiview Dr	Building Violation	Warning	11/2/2020		
7811 Miamiview Dr	Building/Various	Warning	11/2/2020		
7801 Centerbay Dr	Open/Unsecure	Warning	11/2/2020		
7711 Beachview Dr	Noise	Warning	11/2/2020		
7810 Beachview Dr	Operating/Advertising	Citation	11/3/2020	$1,000.00	
7810 Beachview Dr	BTR	Citation	11/3/2020	$100.00	
1570 Kennedy Cswy	Single-Use	Warning	11/3/2020		
1872 Kennedy Cswy	Single-Use	Warning	11/3/2020		
1888 Kennedy Cswy	Single-Use	Warning	11/3/2020		
1345 Kennedy Cswy	Single-Use	Warning	11/3/2020		
1524 Kennedy Cswy	Single-Use	Warning	11/4/2020		
1345 Kennedy Cswy	Single-Use	Warning	11/3/2020		
1725 Kennedy Cswy	Prohibited signs	Warning	11/5/2020		
1601 Kennedy Cswy	Prohibited signs	Warning	11/6/2020		

1830 S Treasure Dr	WWP	Citation	11/7/2020	$500.00	
1650 S Treasure Dr	Vessel violation	Warning	11/10/2020		
7505 Bounty Ave	Trash	Warning	11/10/2020		
1801 S Treasure Dr	Trash	Warning	11/10/2020		
7934 West Drive	Bulk trash	Warning	11/11/2020		
1600 Kennedy Cswy	Property Maintenance	Warning	11/11/2020		
1735 N Treasure Dr	Blocking ROW	Warning	11/11/2020		
1755 Kennedy Cswy	Prohibited signs	Warning	11/11/2020		
7553 Bounty Ave	Storage	Warning	11/11/2020		
7540 W Treasure Dr	Fence	Warning	11/12/2020		
7540 W Treasure Dr	Landscape	Warning	11/12/2020		
1801 S Treasure Dr	Property Maintenance	Warning	11/12/2020		
7524 Buccaneer Ave	Bulk Trash	Warning	11/12/2020		
7520 Buccaneer Ave	Bulk Trash	Warning	11/12/2020		
7904 West Drive #216	Special Magistrate	Order	11/13/2020		$2,425.00
7520 West Drive	Illicit Discharge	Reported	11/13/2020		
1508 Kennedy Cswy	Prohibited signs	Warning	11/17/2020		
7600 Miamiview Dr	Bulk Trash	Warning	11/18/2020		
7501 E Treasure Dr	Trash	Warning	11/19/2020		
7508 Mutiny Ave	Vessel violation	Warning	11/17/2020		
1770 Kennedy Cswy #D303	WWP	Citation	11/17/2020		$500.00
1365 Bay Terrace	Trash	Warning	11/23/2020		
Adventure & NTD	Trash	Warning	11/22/2020		
1600 Kennedy Cswy	Shopping cart	Warning	11/22/2020		
1365 Bay Terrace	Blocking ROW	Warning	11/24/2020		
7910 West Drive	Minimum Housing	Warning	11/30/2020		
1801 S Treasure Dr	Bulk trash	Warning	11/30/2020		
7505 Bounty Ave	WWP	Citation	11/30/2020	$500.00	
(21) Lien Searches					
				$2,100.00	$4,525.00

	Code	**Statistics**	**Dec-20**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7531 Miamiview Dr	WWP	Citation	10/23/2020		$500.00
7544 W Treasure Dr	WWP	Citation	11/18/2020		$500.00
Various Locations (TECO)	WWP	Citation	12/1/2020		$500.00
7600 Beachview Dr	Landscape	Warning	12/1/2020		
7510 Coquina Dr	Landscape	Warning	12/1/2020		
7431 Coquina Dr	Landscape/House #'s	Warning	12/1/2020		
7800 Beachview Dr	Trash Cans	Warning	12/1/2020		
7545 Cutlass Ave	Trash Cans	Warning	12/1/2020		
7800 Beachview Dr	Trash Cans	Citation	12/2/2020	$200.00	

1365 Bay Terrace	WWP	Citation	12/3/2020	$500.00	
7528 Hispanola Ave	Operating/Advertising	Warning	12/4/2020		
7540 W Treasure Dr	Stagnant water	Warning	12/4/2020		
1801 S Treasure Dr	Bulk Trash	Warning	12/8/2020		
1580 Kennedy Cswy	WWP	Citation	12/8/2020	$500.00	
1820 S Treasure Dr #406	WWP	Citation	12/8/2020	$500.00	
7510 Coquina Dr	WWP	Citation	12/9/2020		$500.00
1580 Kennedy Cswy	WWP	Citation	12/10/2020		$500.00
7910 West Drive	Minimum Housing	Warning	12/7/2020		
7925 West Drive	Property Maintenance	Warning	12/7/2020		
7800 Beachview Dr	Trash Cans	Citation	12/16/2020		$200.00
1400 Kennedy Cswy	Prohibited Signs	Removed	12/14/2020		
1555 N Treasure Dr	WWP	Citation	12/15/2020	$500.00	
1900 S Treasure Drive	Light Pole Damaged	Reported	12/15/2020		
1900 S Treasure Drive #4C	Noise	Warning	12/16/2020		
7505 Bounty Ave	WWP	Citation	12/17/2020		$500.00
1900 S Treasure Dr #4C	Noise	Warning	12/19/2020		
7904 West Drive #101	Special Magistrate	Order	12/18/2020		$1,500.00
Mutiny/S Treasure Drive	Derelict Vehicle	Warning	12/16/2020		
7900 HarborIsland Dr #PH17	Special Magistrate	Order	12/11/2020		$100.00
7533 Bounty Ave	WWP	Citation	12/23/2020	$500.00	
Bounty Avenue	Derelict Vehicle	Warning	12/23/2020		
1670 S Treasure Dr	Bulk Trash	Warning	12/23/2020		
7810 Center Bay Dr	Noise	Warning	12/26/2020		
7711 Miamiview Dr	Noise	Warning	12/26/2020		
Buccaneer/S Treasure Dr	Derelict Vehicle	Warning	12/28/2020		
1820 S Treasure Dr #406	WWP	Citation	12/28/2020		$500.00
7505 Cutlass Ave	WWP	Citation	12/30/2020	$500.00	
7548 W Treasure Dr	Special Magistrate	Order	12/30/2020		$5,585.00
(48) Lien Searches					
				$3,200.00	$10,885.00

	Code	**Statistics**	**Jan-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7410 Miamiview Dr	Property Maintenance	Warning	1/4/2021		
1880 Kennedy Cswy / FPL	Property Maintenance	Warning	1/4/2021		
1365 Bay Terrace	Derelict Trailer	Warning	1/4/2021		
1735 N Treasure Drive	Property Maintenance	Warning	1/5/2021		
7917 West Drive	Bulk Trash	Warning	1/5/2021		
7925 West Drive	Bulk Trash	Warning	1/5/2021		
7505 Mutiny Ave	WWP	Citation	1/8/2021	$500.00	
1735 N Treasure Drive	Noise	Citation	1/9/2021	$200.00	
7533 Bounty Ave	WWP	Citation	1/11/2021		$500.00

Jewel / S Treasure Drive	Derelict Vehicle	Warning	1/11/2021		
1735 N Treasure Drive	Noise	Citation	1/12/2021		$200.00
7501 Adventure Ave	Landscape / ROW	Warning	1/12/2021		
7544 Buccaneer Ave	WWP	Citation	1/13/2021	$500.00	
7520 W Treasure Drive	Noise	Citation	1/13/2021	$200.00	
7710 Beachview Drive	WWP	Citation	1/13/2021	$500.00	
7544 Buccaneer Ave	WWP	Citation	1/14/2021		$500.00
1401 Kennedy Cswy	Property Maintenance	Warning	1/14/2021		
7821 Beachview Drive	Noise	Citation	1/16/2021	$200.00	
Adventure / N Treasure Dr	Prohibited Sign	Removed	1/20/2021		
7520 W Treasure Drive	Noise	Citation	1/20/2021		$200.00
7711 Beachview Drive	Special Magistrate	Order	1/20/2021		$2,175.00
Harbor Island ROW	Commercial Vehicle	Citation	1/20/2021		$100.00
7900 HarborIsland Dr #1123	Noise	Citation	1/20/2021		$100.00
7505 W Treasure Drive	WWP	Citation	1/20/2021		$500.00
7601 E Treasure Dr #1512	WWP	Citation	1/22/2021	$500.00	
7623 Beachview Drive	Noise	Citation	1/23/2021	$200.00	
1359 Bay Terrace	Noise	Citation	1/23/2021	$200.00	
1441 S Treasure Dr	Special Magistrate	Order	1/22/2021		$500.00
1865 Kennedy Cswy #3M	Noise	Warning	1/21/2021		
7556 W Treasure Dr	Noise	Citation	1/25/2021	$200.00	
7556 W Treasure Dr	Operating/Advertising	Warning	1/25/2021		
7545 Bounty Ave	Dead Storage	Warning	1/26/2021		
Cutlass / S Treasure Dr	Prohibited Sign	Removed	1/28/2021		
Adventure / N Treasure Dr	Prohibited Sign	Removed	1/28/2021		
Hispanola / N Treasure Dr	Prohibited Sign	Removed	1/28/2021		
1480 S Treasure Drive	Landscape	Warning	1/29/2021		
7505 W Treasure Drive	Trash/Debris	Warning	1/28/2021		
7505 Buccaneer Ave	Bulk Trash	Warning	1/29/2021		
7509 Adventure Ave	Noise	Citation	1/30/2021	$200.00	
(38) Lien Searches					
				$3,400.00	$4,775.00

	Code	**Statistics**	**Feb-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7549 Adventure Ave	WWP	Citation	2/1/2021	$500.00	
7801 Center Bay Drive	Landscape/Trash	Warning	2/1/2021		
7918 West Drive	Fence	Warning	2/1/2021		
7510 Center Bay Drive	Fence	Warning	2/1/2021		
7810 Coquina Drive	Special Magistrate	Order	2/1/2021		$3,000.00
7505 Mutiny Ave	WWP	Citation	2/2/2021		$500.00
1440 S Treasure Drive	WWP	Citation	2/2/2021	$500.00	

7900 HarborIsland Dr #PH17	Special Magistrate	Order	2/2/2021		$1,400.00
7560 W Treasure Drive	Property Maintenance	Warning	2/2/2021		
7549 Adventure Ave	WWP	Citation	2/2/2021		$500.00
7904 West Drive #CU12	Special Magistrate	Order	2/2/2021		$670.00
7939 East Drive	Property Maintenance	Warning	2/3/2021		
7710 Beachview Drive	WWP	Citation	2/4/2021		$500.00
Adventure / S Treasure Dr	Prohibited sign	Removed	2/3/2021		
7556 W Treasure Drive	Noise	Citation	2/8/2021		$200.00
7509 Adventure Ave	Noise	Citation	2/8/2021		$200.00
S Treasure Dr / Buccaneer	Commercial Vehicle	Warning	2/9/2021		
1600 Kennedy Causeway	Dumpster Enclosure	Warning	2/10/2021		
7915 East Drive (ROW)	Derelict Vehicle	Warning	2/11/2021		
7536 Bounty Ave	Bulk Trash	Warning	2/11/2021		
7623 Beachview Drive	Noise	Citation	2/12/2021		$200.00
1872 Kennedy Cswy	Special Magistrate	Order	2/12/2021		$3,000.00
79 Street Pkwy (ROW)	WWP	Warning	2/15/2021		
7720 Coquina Drive	Bulk Trash	Warning	2/15/2021		
7926 East Drive	Operating/Advertising	Warning	2/15/2021		
7935 East Drive (ROW)	Derelict Vehicle	Warning	2/15/2021		
7920 East Drive (ROW)	Derelict Vehicle	Warning	2/15/2021		
7720 Coquina Drive	Bulk Trash	Warning	2/15/2021		
7540 W Treasure Drive	Landscape	Warning	2/16/2021		
7421 Miamiview Drive	Obstructing ROW	Warning	2/16/2021		
7701 Beachview Drive	Trash	Warning	2/16/2021		
1480 S Treasure Drive	Landscape	Citation	2/17/2021	$200.00	
7524 W Treasure Drive	Open / Unsecure	Warning	2/18/2021		
7505 Adventure Ave	Trash	Warning	2/18/2021		
7601 E Treasure Drive	Property Maintenance	Warning	2/18/2021		
7525 E treasure Dr #614	Noxious Odor	Warning	2/20/2021		
7601 E Treasure Drive	Noise	Warning	2/19/2021		
7601 E Treasure Dr #403	Noise	Warning	2/22/2021		
7904 West Drive #512	WWP	Citation	2/23/2021	$500.00	
1359 Bay Terrace	Noise	Citation	2/23/2021		$200.00
7700 Beachview Drive	Bulk trash	Warning	2/24/2021		
7524 Buccaneer Ave	WWP	Citation	2/25/2021	$500.00	
1400 Kennedy Cswy	Noise	Citation	2/27/2021	$200.00	
(42) Lien Searches					
				$2,400.00	$10,370.00

	Code	**Statistics**	**Mar-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7521 Buccaneer Ave	Blocking ROW	Warning	3/1/2021		

7540 Bounty Ave	Property Maintenance	Warning	3/1/2021		
7600 Beachview Drive	Landscape	Warning	3/1/2021		
1440 S Treasure Drive	WWP	Citation	3/1/2021		$500.00
1665 Kennedy Cswy	Trash	Warning	3/2/2021		
1900 S Treasure Drive	Trash	Citation	3/2/2021	$200.00	
7924 East Drive #203	Animal Violations	Warning	3/2/2021		
7524 Buccaneer Ave	WWP	Citation	3/2/2021		$500.00
7810 Beachview Drive	Special Magistrate	Order	3/3/2021		$587.50
7501 Center Bay Drive	Trash	Warning	3/4/2021		
7510 Coquina Drive	Landscape/Trash	Warning	3/4/2021		
7811 Miamiview Drive	Expired Permits	Citation	3/4/2021	$500.00	
7811 Miamiview Drive	Shutters	Citation	3/4/2021	$250.00	
7540 E Treasure Drive	Noise	Warning	3/5/2021		
7500 Center Bay Drive	Noise	Warning	3/6/2021		
7552 Adventure Ave	Blocking ROW	Warning	3/8/2021		
7623 Beachview Drive	Trash	Warning	3/8/2021		
7520 Miami view Drive	WWP	Citation	3/8/2021	$500.00	
7510 Coquina Drive	Landscape	Citation	3/9/2021	$200.00	
7505 Bounty Ave	Landscape	Warning	3/9/2021		
7553 Bounty Ave	Landscape/Trash/BTR	Warning	3/9/2021		
7520 Miamiview Drive	WWP	Citation	3/10/2021		$500.00
7904 West Drive #512	WWP	Citation	3/10/2021		$500.00
N Treasure Dr. / Buccaneer	Derelict Vehicle	Warning	3/11/2021		
7525 Buccaneer Ave	Bulk Trash	Warning	3/12/2021		
7540 W Treasure Drive	Noise	Citation	3/13/2021	$200.00	
7516 W Treasure Drive	WWP	Citation	3/13/2021	$500.00	
7611 Coquina Drive	Noise	Citation	3/13/2021	$200.00	
7520 Miami view Drive	Noise	Warning	3/13/2021		
7541 W treasure Drive	Noise	Warning	3/15/2021		
1441 S Treasure Drive	Special Magistrate	Order	3/15/2021		$1,200.00
7505 Mutiny Ave	Special Magistrate	Order	3/15/2021		$1,000.00
1900 S Treasure Drive (lot)	Trash	Warning	3/15/2021		
1620 N Treasure Drive	lk Trash/Property Maintenar	Warning	3/15/2021		
7501 E Treasure Drive #7A	Minimum Housing	Warning	3/15/2021		
1400 Kennedy Cswy	Noise	Citation	3/15/2021		$200.00
1601 Kennedy Cswy	Various	Warning	3/16/2021		
7532 Hispanola Ave	Operating/Advertising	Citation	3/17/2021	$1,000.00	
7532 Hispanola Ave	BTR	Citation	3/17/2021	$100.00	
7601 E Treasure Drive	Trash	Warning	3/17/2021		
7904 West Drive #614	WWP	Citation	3/18/2021		$500.00
7401 Beachview Drive	Trash	Warning	3/18/2021		
23-3209-008-1210	Special Magistrate	Order	3/18/2021		$7,000.00
7505 Adventure Ave	Operating/Advertising	Warning	3/18/2021		
7536 W Treasure Drive	Special Magistrate	Order	3/19/2021		$3,000.00
1880 Kennedy Cswy	BTR	Warning	3/20/2021		
1440 S Treasure Drive	Landscape	Warning	3/20/2021		

7537 Adventure Ave	WWP	Citation	3/20/2021	$500.00	
7921 West Drive	Property Maintenance	Warning	3/22/2021		
7532 Hispanola Ave	Operating/Advertising	Citation	3/22/2021		$1,000.00
7532 Hispanola Ave	BTR	Citation	3/22/2021		$100.00
1555 N Treasure Drive	Special Magistrate	Order	3/22/2021		$1,500.00
1801 S Treasure Drive	Blocking ROW	Warning	3/23/2021		
7510 Coquina Drive	Special Magistrate	Order	3/23/2021		$4,400.00
7548 Hispanola Ave	Trash	Warning	3/24/2021		
1900 S Treasure Drive	Trash	Citation	3/25/2021		$200.00
7516 W Treasure Drive	WWP	Citation	3/25/2021		$500.00
7611 Coquina Drive	Noise	Citation	3/26/2021		$200.00
7621 Beachview Drive	Noise	Citation	3/26/2021		$200.00
1600 Kennedy Cswy	Trash	Warning	3/26/2021		
7720 Center Bay Drive	Trash Cans	Warning	3/26/2021		
1500 N Treasure Drive	Noise	Warning	3/27/2021		
7552 Adventure Ave	WWP	Citation	3/27/2021	$500.00	
7920 E Treasure Drive	Special Magistrate	Order	3/29/2021		$1,500.00
1600 Kennedy Cswy	Trash	Warning	3/29/2021		
7510 Coquina Drive	Bulk Trash	Warning	3/30/2021		
(41) Lien Searches					
				$4,650.00	$25,087.50

	Code	**Statistics**	**Apr-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7601 E Treasure Drive	Bulk Trash	Warning	4/1/2021		
7501 E Treasure Drive	Bulk Trash	Warning	4/5/2021		
7510 Center Bay Drive	Landscape	Citation	4/5/2021	$200.00	
7810 Miami View Drive	Operating/Advertising	Citation	4/5/2021	$1,000.00	
7810 Miami View Drive	BTR	Citation	4/5/2021	$100.00	
7830 Miami View Drive	Operating/Advertising	Citation	4/5/2021	$1,000.00	
7830 Miamiview Drive	BTR	Citation	4/5/2021	$100.00	
7504 W Treasure Drive	Operating/Advertising	Warning	4/5/2021		
7536 W Treasure Drive	Operating/Advertising	Citation	4/5/2021	$1,000.00	
7536 W Treasure Drive	BTR	Citation	4/5/2021	$100.00	
7922 East Drive	Open & Unsecured	Warning	4/6/2021		
7540 W Treasure Drive	Noise	Citation	4/6/2021		$200.00
1830 S Treasure Drive	Special Magistrate	Order	4/6/2021		$650.00
7505 W Treasure Drive	Special Magistrate	Order	4/6/2021		$4,000.00
7508 Adventure Ave	Landscape	Warning	4/8/2021		
7501 Adventure Ave	Landscape	Warning	4/8/2021		
7548 Adventure Ave	WWP	Citation	4/8/2021	$500.00	
7830 Miami View Drive	Operating/Advertising	Citation	4/9/2021		$1,100.00
7532 Hispanola Ave	WWP	Citation	4/8/2021	$500.00	

7510 Coquina Drive	Property Maintenance	Warning	4/8/2021		
7904 West Drive #112	Operating/Advertising	Citation	4/9/2021	$1,000.00	
7904 West Drive #112	BTR	Citation	4/9/2021	$100.00	
7917 West Drive	Bulk Trash	Warning	4/12/2021		
7537 Adventure Ave	WWP	Citation	4/13/2021		$500.00
7601 E Treasure Drive 1205	Noise	Citation	4/13/2021		$100.00
7720 Center Bay Drive	Trash Cans	Warning	4/13/2021		
A.D. Lawn Service	Bulk Trash	Warning	4/14/2021		
7801 Center Bay Drive	Noise	Warning	4/15/2021		
7810 Miami View Drive	Operating/Advertising	Citation	4/16/2021		$1,100.00
7917 West Drive	Bulk Trash	Warning	4/12/2021		
7508 Adventure Ave	Landscape	Citation	4/19/2021	$200.00	
7504 Adventure Ave	Landscape / ROW	Warning	4/19/2021		
7501 Adventure Ave	Landscape	Warning	4/19/2021		
7601 E Treasure Drive 1512	WWP	Citation	4/19/2021		$500.00
7631 Miami View Drive	WWP	Citation	4/21/2021	$500.00	
23-3209-008-0200	WWP	Citation	4/21/2021		$500.00
7811 Miami View Drive	Trash Cans	Warning	4/21/2021		
7530 Miami View Drive	Landscape	Warning	4/22/2021		
7500 Center Bay Drive	Landscape	Warning	4/22/2021		
7505 Cutlass Ave	Pool Violation	Warning	4/22/2021		
7505 Cutlass Ave	WWP	Citation	4/22/2021		$500.00
7631 Miami View Drive	WWP	Citation	4/22/2021		$500.00
7552 Mutiny Ave	Noise	Warning	4/24/2021		
1750 S Treasure Drive	WWP	Citation	4/24/2021	$500.00	
1555 N Treasure Drive	Blocking ROW	Warning	4/26/2021		
7900 Harbor Island Dr PH20	Noise	Citation	4/27/2021		$100.00
7508 Adventure Ave	Landscape	Citation	4/27/2021		$200.00
1701 N Treasure Drive 6	Landscape	Warning	4/28/2021		
7548 Adventure Ave	WWP	Citation	4/28/2021		$500.00
1701 N Treasure Drive 6	Special Magistrate	Order	4/28/2021		$1,200.00
7904 West Drive #117	Special Magistrate	Order	4/29/2021		$2,500.00
(67) Lien Searches					
				$6,800.00	$14,150.00

	Code	**Statistics**	**May-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
1600 Kennedy Cswy	Trash	Warning	5/3/2021		
1440 S Treasure Drive	Landscaping/ROW	Warning	5/4/2021		
1750 S Treasure Drive	WWP	Citation	5/5/2021		$500.00
7525 E Treasure Drive	Property Maintenance	Warning	5/5/2021		
7510 Coquina Drive	Special Magistrate	Order	5/5/2021		$420.00

7410 Beachview Drive	Pool Violation	Warning	5/6/2021		
7610 Center Bay Drive	Operating/Advertising	Warning	5/4/2021		
7601 E Treasure Drive 1512	Special Magistrate	Order	5/7/2021		$3,000.00
7505 Cutlass Ave	Special Magistrate	Order	5/10/2021		$3,800.00
7510 Center Bay Drive	Landscape	Citation	5/11/2021		$200.00
Adventure / N Treasure Dr	Prohibited sign	Removed	5/11/2021		
1356 Bay Terrace	Pool Violation	Warning	5/11/2021		
7410 Beachview Drive	Pool Violation	Citation	5/11/2021	$250.00	
1780 Kennedy Cswy 211	Noise	Warning	5/12/2021		
7904 West Drive	Prohibited sign	Removed	5/12/2021		
7517 Adventure Ave	WWP	Citation	5/12/2021	$500.00	
1865 Kennedy Cswy 3F	WWP	Citation	5/13/2021	$500.00	
1701 N Treasure Drive 6	Special Magistrate	Order	5/14/2021		$1,200.00
1351 Bay Terrace	Public Intoxication	Citation	5/15/2021	$1,000.00	
1351 Bay Terrace	Noise	Citation	5/16/2021	$100.00	
23-3209-008-1210	Landscape	Warning	5/17/2021		
1881 Kennedy Cswy 706	Special Magistrate	Order	5/17/2021		$1,175.00
7904 West Drive 614	Special Magistrate	Order	5/17/2021		$3,000.00
7533 Bounty Ave	Special Magistrate	Order	5/18/2021		$1,900.00
Adventure / N Treasure Dr	Derelict Vehicle	Warning	5/19/2021		
1455 N Treasure Dr 5R	WWP	Citation	5/19/2021	$500.00	
7500 Coquina Drive	ROW Violations	Warning	5/19/2021		
7601 E Treasure Drive	Trash	Warning	5/19/2021		
1600 Kennedy Cswy	Bulk Trash	Warning	5/20/2021		
7500 Coquina Drive	Constrcution Maintenance	Warning	5/20/2021		
7517 Adventure Ave	WWP	Citation	5/20/2021		$500.00
7904 West Drive 515	Minimum Housing	Warning	5/21/2021		
7801 Miami View Drive	Trash Cans	Warning	5/22/2021		
7700 Miami View Drive	Trash Cans	Warning	5/22/2021		
1441 S Treasure Drive	Trash Cans	Warning	5/22/2021		
7904 West Drive	Noise	Citation	5/22/2021	$200.00	
7700 Center Bay Drive	Noise	Citation	5/23/2021	$200.00	
1900 S Treasure Drive	Trash	Warning	5/24/2021		
7904 West Drive 515	Minimum Housing	Warning	5/24/2021		
7549 Bounty Ave	Landscaping/ROW	Warning	5/24/2021		
1865 Kennedy Cswy 3F	WWP	Citation	5/26/2021		$500.00
7920 East Drive	Animal Violations	Warning	5/27/2021		
8000 West Drive	Noise	Warning	5/28/2021		
1820 S Treasure Drive 406A	Special Magistrate	Order	5/28/2021		$2,500.00
7945 East Drive	ROW Violations	Warning	5/28/2021		
7720 Coquina Drive	WWP	Citation	5/29/2021	$500.00	
7720 Coquina Drive	Noise	Citation	5/29/2021	$200.00	
7536 Adventure Ave	Blocking ROW	Warning	5/29/2021		
7528 Buccaneer Ave	Bulk Trash	Warning	5/31/2021		
7510 Center Bay Drive	Landscaping	Warning	5/31/2021		
23-3209-001-0013	Landscaping/Trash/Sign	Warning	5/31/2021		

7917 West Drive	Bulk Trash	Warning	5/31/2021		
7904 West Drive	Prohibited sign	Removed	5/31/2021		
Hispanola / N Treasure Dr	Prohibited sign	Removed	5/31/2021		
7910 West Drive	Bulk Trash	Warning	5/31/2021		
(108) Lien Searches					
				$3,950.00	$18,695.00

	Code	**Statistics**	**Jun-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7509 W Treasure Drive	Bulk Trash	Warning	6/1/2021		
8000 West Drive	Bulk Trash	Warning	6/1/2021		
7520 W Treasure Drive	Prohibited Sign	Warning	6/2/2021		
7920 East Drive 4	WWP	Citation	6/2/2021		$200.00
7524 W Treasure Drive	Prohibited Sign	Warning	6/2/2021		
7548 W Treasure Drive	Prohibited Sign	Warning	6/2/2021		
1725 Kennedy Cswy	Noise	Warning	6/2/2021		
1455 N Treasure Dr 5R	WWP	Citation	6/3/2021		$500.00
1872 Kennedy Cswy	Trash	Warning	6/3/2021		
7532 Hispanola Ave	WWP	Citation	6/4/2021		$500.00
1865 Kennedy Cswy 6M	WWP	Citation	6/7/2021	$500.00	
7939 West Drive	Property Maintenance	Warning	6/7/2021		
1900 S Treasure Drive	Trash / Landscape	Warning	6/7/2021		
7904 West Drive 111	Operating / Advertising	Citation	6/8/2021		$1,000.00
7904 West Drive 111	BTR	Citation	6/8/2021		$100.00
7928 East Drive	Bulk Trash	Warning	6/9/2021		
1351 Bay Terrace	Public Intoxication	Citation	6/10/2021		$1,000.00
1351 Bay Terrace	Noise	Citation	6/10/2021		$100.00
7600 Beach View Drive	Landscape	Warning	6/11/2021		
7540 W Treasure Drive	Construction Site Maint.	Warning	6/11/2021		
1865 Kennedy Cswy 6M	WWP	Citation	6/14/2021		$500.00
7410 Beach View Drive	Trash	Warning	6/14/2021		
7927 East Drive	Trash / Bulk Trash	Warning	6/14/2021		
7810 Center Bay Drive	Bulk Trash	Warning	6/15/2021		
1750 S Treasure Drive	Special Magistrate	Order	6/15/2021		$1,000.00
7810 Coquina Drive	Recycling Cans	Warning	6/15/2021		
7700 Miami View Drive	Operating / Advertising	Citation	6/15/2021	$1,000.00	
7700 Miami View Drive	BTR	Citation	6/15/2021	$100.00	
1555 Kennedy Cswy	Landscape	Warning	6/16/2021		
7505 Cutlass Ave	Water Regulations	Warning	6/17/2021		
7631 Miami View Drive	Construction Site Maint.	Warning	6/17/2021		
7904 West Drive	Noise	Citation	6/17/2021		$200.00
7552 Adventure Ave	WWP	Citation	6/21/2021		$500.00

7410 Beach View Drive	Pool Violations	Citation	6/21/2021		$250.00
Cutlass Ave	Derelict Vehicle	Warning	6/21/2021		
23-3209-000-0253	WWP	Citation	6/21/2021	$500.00	
Jewel / Galleon	Derelict Vehicle	Warning	6/21/2021		
7720 Coquina Drive	WWP	Citation	6/22/2021		$500.00
7536 W Treasure Drive	Special Magistrate	Order	6/22/2021		$1,100.00
7720 Coquina Drive	Noise	Citation	6/22/2021		$200.00
Galleon Street	Derelict Vehicle	Warning	6/22/2021		
1801 S Treasure Drive	Bulk Trash	Warning	6/22/2021		
7915 East Drive	Derelict Vehicle	Warning	6/24/2021		
7921 East Drive	Derelict Vehicle	Warning	6/24/2021		
7905 East Drive	Derelict Vehicle	Warning	6/24/2021		
7504 W Treasure Drive	Trash / Recycling Cans	Warning	6/24/2021		
7508 Adventure Ave	Landscaping	Warning	6/24/2021		
1900 S Treasure Drive	Property Maintenance	Warning	6/28/2021		
7530 Miami View Drive	Trash / Recycling Cans	Warning	6/28/2021		
7720 Center Bay Drive	Trash Cans	Citation	6/28/2021	$200.00	
7800 Hispanola Ave	Landscaping	Warning	6/28/2021		
1801 S Treasure Drive	Bulk Trash	Warning	6/28/2021		
7521 Maimi View Drive	Blocking ROW	Warning	6/28/2021		
7945 East Drive 304	Noise	Warning	6/29/2021		
8000 East Drive	Bulk Trash	Warning	6/29/2021		
8000 West Drive	Illicit Discharge	Warning	6/30/2021		
7720 Center Bay Drive	Trash Cans	Citation	6/30/2021		$200.00
(64) Lien Searches					
				$2,300.00	$7,850.00

	Code	**Statistics**	**Jul-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7600 Beach View Drive	Landscape	Warning	7/1/2021		
7601 E Treasure Drive	Landscape	Warning	7/1/2021		
7700 Miami View Drive	Operating/Advertising	Citation	7/2/2021		$1,100.00
Various Constrcution Sites	Order to Secure	Warning	7/2/2021		
7801 Miami View Drive	Trash Cans	Citation	7/3/2021	$200.00	
7500 Coquina Drive	Noise	Citation	7/3/2021	$200.00	
7600 Beach View Drive	Trash Cans	Warning	7/3/2021		
7528 Adventure Ave	Noise	Citation	7/3/2021	$200.00	
7600 Beach View Drive	Landscape	Citation	7/3/2021	$200.00	
1351 Bay Terrace	Trash Cans	Warning	7/3/2021		
7711 Beach View Drive	Trash Cans	Warning	7/5/2021		
7552 Adventure Ave	Noise	Warning	7/5/2021		
7540 Bounty Ave	Pool Violations	Warning	7/5/2021		
7533 Bounty Ave	Bulk Trash	Warning	7/5/2021		

7541 W Treasure Drive	Landscape	Warning	7/5/2021		
7504 Adventure Ave	Blocking ROW/Trash	Warning	7/6/2021		
7401 Miami View Drive	Landscape	Warning	7/6/2021		
1666 Kennedy Cswy	Bulk Trash	Warning	7/6/2021		
7830 Miami View Drive	Recycle Cans	Warning	7/7/2021		
7904 West Drive 111	Special Magistrate	Order	7/7/2021		$3,500.00
7811 Miami View Drive	Special Magistrate	Order	7/7/2021		$1,200.00
7556 W Treasure Drive	Special Magistrate	Order	7/7/2021		$5,000.00
7529 Hispanola Ave	Bulk Trash	Warning	7/8/2021		
7536 Adventure Ave	Operating/Advertising	Warning	7/9/2021		
7528 Buccaneer Ave	Landscape	Warning	7/9/2021		
7548 Hispanola Ave	WWP	Citation	7/9/2021	$500.00	
7720 Miami View Drive	WWP	Citation	7/9/2021	$500.00	
7536 Adventure Ave	Operating/Advertising	Citation	7/10/2021	$1,000.00	
7536 Adventure Ave	BTR	Citation	7/10/2021	$100.00	
7525 Bounty Ave	Bulk Trash	Warning	7/12/2021		
7939 East Drive	Knox Box	Warning	7/12/2021		
7700 Coquina Drive	Landscape	Warning	7/13/2021		
1356 Bay Terrace	Pool Violations	Citation	7/13/2021	$250.00	
7700 Center Bay Drive	Landscape/Trash	Warning	7/13/2021		
7517 Hispanola Ave	Landscape	Warning	7/13/2021		
7536 W Treasure Drive	Trash Cans	Warning	7/14/2021		
7504 W Treasure Drive	Trash Cans	Warning	7/14/2021		
7532 Hispanola Ave	Trash Cans	Warning	7/15/2021		
1440 S Treasure Drive	Trash Cans	Warning	7/15/2021		
1400 S Treasure Drive	Trash Cans	Warning	7/15/2021		
1460 S Treasure Drive	Trash Cans	Warning	7/15/2021		
1345 Kennedy Cswy	Building Recertification	Warning	7/16/2021		
1735 N Treasure Drive	Building Recertification	Warning	7/16/2021		
7920 East Drive	Building Recertification	Warning	7/16/2021		
7924 East Drive	Building Recertification	Warning	7/16/2021		
7945 East Drive	Building Recertification	Warning	7/16/2021		
7525 Buccaneer Ave	WWP	Citation	7/16/2021	$500.00	
7516 Jewel Ave	WWP	Citation	7/17/2021	$500.00	
7921 West Drive	Bulk Trash	Warning	7/19/2021		
7548 Adventure Ave	Blocking ROW	Warning	7/19/2021		
1600 Kennedy Cswy	Trash	Warning	7/21/2021		
1666 Kennedy Cswy	Trash	Warning	7/21/2021		
7811 Beach View Drive	Trash Cans	Warning	7/21/2021		
7800 Beach View Drive	Trash Cans	Citation	7/21/2021	$200.00	
7610 Center Bay Drive	Trash Cans	Warning	7/24/2021		
7800 Coquina Drive	Noise	Citation	7/24/2021	$250.00	
7720 Coquina Drive	Noise	Citation	7/24/2021	$250.00	
7525 Buccaneer Ave	Noise	Citation	7/29/2021	$250.00	
1630 S Treasure Drive	Landscape	Warning	7/31/2021		
1671 S Treasure Drive	Landscape	Warning	7/31/2021		

7516 W Treasure Drive	Landscape	Warning	7/31/2021		
7509 Adventure Ave	Landscape	Warning	7/31/2021		
7500 W Treasure Drive	Trash Cans	Warning	7/31/2021		
7536 Adventure Ave	Trash Cans	Warning	7/31/2021		
1701 S Treasure Drive	Landscape	Warning	7/31/2021		
1670 S Treasure Drive	Landscape	Warning	7/31/2021		
7560 W Treasure Drive	Landscpae	Warning	7/31/2021		
(31) Lien Searches					
				$5,100.00	$10,800.00

	Code	**Statistics**	**Aug-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7810 Beach View Drive	Bulk Trash	Warning	8/2/2021		
7701 Beach View Drive	Bulk Trash	Warning	8/2/2021		
7711 Beach View Drive	Bulk Trash	Warning	8/2/2021		
7800 Beach View Drive	Trash Cans	Citation	8/2/2021		$200.00
1801 S Treasure Drive	Bulk Trash	Warning	8/3/2021		
7934 West Drive	Bulk Trash	Warning	8/3/2021		
7601 E Treasure Dr. PH102	WWP	Citation	8/4/2021	$500.00	
7800 Coquina Drive	Noise	Citation	8/4/2021		$250.00
7938 West Drive	Trash	Warning	8/5/2021		
7501 Coquina Drive	WWP	Citation	8/5/2021	$500.00	
1555 N Treasure Drive	Sidewalk Damage	Warning	8/5/2021		
7720 Coquina Drive	WWP	Citation	8/6/2021	$500.00	
7548 Hispanola Ave	WWP	Citation	8/6/2021		$500.00
7520 Hispanola Ave	WWP	Citation	8/7/2021	$500.00	
7525 Buccaneer Ave	Noise	Citation	8/7/2021	$250.00	
1630 S Treasure Drive	Noise	Citation	8/7/2021	$250.00	
7501 Coquina Drive	WWP	Citation	8/9/2021		$500.00
7601 E Treasure Dr. PH102	WWP	Citation	8/10/2021		$500.00
1400 Kennedy Cswy	Prohibited Sign	Warning	8/10/2021		
7700 Center Bay Drive	Noise	Citation	8/10/2021		$100.00
7910 West Drive	Bulk Trash	Warning	8/10/2021		
7731 Miami View Drive	Landscape	Warning	8/11/2021		
1850 Kennedy Cswy	WWP	Citation	8/11/2021		$500.00
Folio #23-3209-008-1210	Landscape	Warning	8/11/2021		
7946 East Drive	Seawall/Deck	Warning	8/12/2021		
7401 Beach View Drive	Fence	Warning	8/12/2021		
7918 West Drive	Fence	Warning	8/13/2021		
7938 West Drive	Trash	Warning	8/16/2021		
7529 Bounty Ave	Bulk Trash	Warning	8/17/2021		
1701 S Treasure Drive	Bulk Trash	Warning	8/17/2021		
7801 Miami View Drive	Trash Cans	Citation	8/17/2021		$200.00

7600 Beach View Drive	Landscape	Citation	8/19/2021		$200.00
7500 Coquina Drive	Noise	Citation	8/19/2021		$200.00
7536 Adventure Ave	Operating/Advertising	Citation	8/19/2021		$1,000.00
7536 Adventure Ave	BTR	Citation	8/19/2021		$100.00
7700 Center Bay Drive	Trash	Citation	8/20/2021		$200.00
7905 East Drive	Noise	Citation	8/21/2021	$250.00	
1570 S Treasure Drive	WWP	Citation	8/21/2021	$250.00	
7537 W Treasure Drive	WWP	Citation	8/21/2021	$250.00	
7536 Adventure Ave	Operating/Advertising	Citation	8/21/2021	$2,000.00	
7536 Adventure Ave	BTR	Citation	8/21/2021	$100.00	
7536 Adventure Ave	Operating/Advertising	Citation	8/23/2021		$2,000.00
7536 Adventure Ave	BTR	Citation	8/23/2021		$100.00
7905 East Drive	Noise	Citation	8/24/2021		$250.00
7800 Beach View Drive	Trash Cans	Citation	8/25/2021	$200.00	
1301 Bay Terrace	Bulk Trash	Warning	8/25/2021		
7904 West Drive #407	Special Magistrate	Order	8/27/2021		$5,000.00
7600 Beach View Drive	Noise	Citation	8/28/2021	$250.00	
7811 Beach View Drive	Bulk Waste	Warning	8/28/2021		
7720 Coquina Drive	Noise	Citation	8/30/2021		$250.00
7720 Coquina Drive	WWP	Citation	8/30/2021		$500.00
7811 Beach View Drive	Operating/Advertising	Warning	8/30/2021		
7800 Beach View Drive	Trash Cans	Citation	8/30/2021		$200.00
7811 Beach View Drive	Operating/Advertising	Citation	8/31/2021	$1,000.00	
7811 Beach View Drive	BTR	Citation	8/31/2021	$100.00	
7731 Coquina Drive	Operating/Advertising	Citation	8/31/2021	$2,000.00	
7731 Coquina Drive	BTR	Citation	8/31/2021	$100.00	
7510 Center Bay Drive	Bulk Trash	Warning	8/31/2021		
7548 W Treasure Drive	Trash	Warning	8/31/2021		
(48) Lien Searches					
				$8,750.00	$12,750.00

	Code	**Statistics**	**Sep-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
7537 Adventure Ave	Bulk Trash	Warning	9/1/2021		
1321 Bay Terrace	Landscape	Warning	9/1/2021		
7401 Miami View Drive	Trash/Blocking ROW	Warning	9/1/2021		
7421 Miami View Drive	Bulk Trash	Warning	9/1/2021		
7520 Miami View Drive	Bulk Trash	Warning	9/1/2021		
7700 Center Bay Drive	Bulk Trash	Warning	9/1/2021		
7611 Center Bay Drive	Trash	Warning	9/1/2021		
7601 Center Bay Drive	Bulk Trash	Warning	9/1/2021		
7511 Center Bay Drive	Trash	Warning	9/1/2021		
7620 Coquina Drive	Bulk Trash	Warning	9/1/2021		

Folio #23-3209-008-1210	Landscape	Citation	9/1/2021	$200.00	
7910 West Drive (Marina)	BTR	Warning	9/1/2021		
7910 West Drive (Marina)	BTR	Warning	9/1/2021		
7910 West Drive (Marina)	BTR	Warning	9/1/2021		
7910 West Drive (Marina)	BTR	Warning	9/1/2021		
7910 West Drive (Marina)	BTR	Warning	9/1/2021		
7910 West Drive (Marina)	BTR	Warning	9/1/2021		
7910 West Drive (Marina)	BTR	Warning	9/1/2021		
7910 West Drive (Marina)	BTR	Warning	9/1/2021		
7937 West Drive	Trash	Warning	9/2/2021		
7517 Adventure Ave	Bulk Trash	Warning	9/2/2021		
1570 S Treasure Drive	WWP	Citation	9/3/2021		$250.00
7548 Hispanola Ave	WWP	Citation	9/4/2021	$500.00	
7536 Bounty Ave	Noise	Citation	9/4/2021	$250.00	
7500 Coquina Drive	Noise	Citation	9/4/2021	$250.00	
7811 Beach View Drive	Operating/Advertising	Citation	9/6/2021	$2,000.00	
7811 Beach View Drive	BTR	Citation	9/6/2021	$100.00	
7524 W Treasure Drive	Fence	Warning	9/6/2021		
1620 S Treasure Drive	Noise	Citation	9/7/2021		$250.00
7552 Adventure Ave	Special Magistrate	Order	9/7/2021		$1,000.00
1555 N Treasure Drive	Bulk Trash	Warning	9/7/2021		
7510 Coquina Drive	Bulk Trash	Warning	9/7/2021		
7601 Beach View Drive	Bulk Trash	Warning	9/9/2021		
1331 Bay Terrace	Bulk Trash	Warning	9/9/2021		
7920 East Drive	Bulk Trash	Warning	9/9/2021		
7922 East Drive	Landscape	Warning	9/9/2021		
7548 Hispanola Ave	WWP	Citation	9/9/2021		$500.00
7528 Adventure Ave	Special Magistrate	Order	9/10/2021		$275.00
7430 Beach View Drive	Bulk Trash	Warning	9/11/2021		
7811 Beach View Drive	Bulk Trash	Warning	9/11/2021		
7711 Center Bay Drive	Bulk Trash	Warning	9/13/2021		
7548 W Treasure Drive	Trash	Citation	9/13/2021	$200.00	
7516 Jewel Ave	Special Magistrate	Order	9/14/2021		$575.00
7731 Center Bay Drive	WWP	Citation	9/14/2021		$250.00
1725 Kennedy Causeway	Landscape/Trash	Warning	9/14/2021		
7904 West Drive #502	Operating/Advertising	Citation	9/15/2021	$1,000.00	
1356 Bay Terrace	Pool Violations	Citation	9/15/2021		$250.00
7904 West Drive #502	BTR	Citation	9/15/2021	$100.00	
7927 East Drive	Trash	Warning	9/16/2021		
7801 Center Bay Drive	Noise	Citation	9/17/2021	$250.00	
7927 East Drive	Trash	Citation	9/20/2021	$200.00	
7540 W Treasure Drive	Construction Site Maint.	Warning	9/20/2021		
7553 Adventure Ave	Noise	Citation	9/18/2021	$250.00	
1701 N Treasure Dr #7	Landscape	Warning	9/21/2021		
1701 N Treasure Dr #5	Landscape	Warning	9/21/2021		
7520 Hispanola Ave	WWP	Citation	9/21/2021		$500.00

7731 Coquina Drive	Operating/Advertising	Citation	9/21/2021		$2,000.00
7731 Coquina Drive	BTR	Citation	9/21/2021		$100.00
1701 N Treasure Dr #4	Landscape	Warning	9/21/2021		
7600 Beach View Drive	Noise	Citation	9/21/2021		$250.00
1701 N Treasure Dr #3	Landscape	Warning	9/21/2021		
7927 East Drive	Trash	Warning	9/22/2021		
7530 Coquina Drive	Bulk Trash	Warning	9/22/2021		
7441 Coquina Drive	Landscape	Warning	9/22/2021		
7904 West Drive #502	BTR	Citation	9/23/2021		$100.00
7904 West Drive #502	Operating/Advertising	Citation	9/23/2021		$1,000.00
7400 Center Bay Drive	Bulk Trash	Warning	9/23/2021		
7530 Center Bay Drive	Noise	Citation	9/25/2021	$250.00	
1610 S Treasure Drive	Noise	Citation	9/25/2021	$250.00	
7400 Miami View Drive	Noise	Citation	9/25/2021	$250.00	
7922 East Drive	Landscape	Citation	9/27/2021	$200.00	
7929 West Drive	Bulk Trash	Warning	9/27/2021		
7549 Bounty Ave	Landscape	Warning	9/27/2021		
7400 Miami View Drive	Noise	Citation	9/28/2021		$250.00
1725 Kennedy Cswy	Landscape	Citation	9/28/2021	$200.00	
7536 Adventure Ave	WWP	Citation	9/29/2021	$250.00	
Folio #23-3209-008-1210	Landscape	Citation	9/30/2021		$200.00
7530 Center Bay Drive	Noise	Citation	9/30/2021		$250.00
(66) Lien Searches					
				$6,700.00	$8,000.00

	Code	**Statistics**	**Oct-21**	**$**	**$**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected
1555 Kennedy Cswy	Trash	Warning	10/4/2021		
1400 Kennedy Cswy	Blocking ROW	Warning	10/4/2021		
7510 Coquina Drive	Landscape	Warning	10/4/2021		
7939 East Drive	Trash	Warning	10/4/2021		
7537 W Treasure Drive	WWP	Citation	10/5/2021		$250.00
7532 Hispanola Ave	Special Magistrate	Order	10/5/2021		$1,600.00
7801 Center Bay Drive	Noise	Citation	10/5/2021		$250.00
7500 Beach View Drive	Landscape/Pool Violation	Warning	10/7/2021		
7500 Center Bay Drive	Construction Maint.	Warning	10/8/2021		
1735 N Treasure Drive	Noise	Warning	10/7/2021		
7917 West Drive	Bulk Trash	Warning	10/11/2021		
HI Drive / 79 Street	Prohibited Sign	Removed	10/11/2021		
7927 East Drive	Trash	Citation	10/11/2021		$200.00
1610 S Treasure Drive	WWP	Citation	10/11/2021		$250.00
7536 Bounty Ave	Bulk Trash	Warning	10/12/2021		
1356 Bay Terrace	Property Maint./Beehive	Warning	10/14/2021		

7549 Hispanola Ave	WWP	Citation	10/14/2021	$250.00	
7525 Buccaneer Ave	WWP	Citation	10/14/2021		$500.00
7553 Adventure Ave	Noise	Citation	10/14/2021		$250.00
7509 Adventure Ave	WWP	Citation	10/15/2021	$250.00	
1620 N Treasure Drive	WWP	Citation	10/16/2021	$250.00	
7552 Cutlass Ave	Construction Maint.	Citation	10/16/2021	$250.00	
7552 Cutlass Ave	Noise	Citation	10/16/2021	$250.00	
7511 Center Bay Drive	Trash Cans	Warning	10/16/2021		
7700 Center Bay Drive	Trash Cans	Warning	10/16/2021		
7505 Bounty Ave	Landscape	Warning	10/16/2021		
7811 Beach View Drive	Special Magistrate	Order	10/21/2021		$3,275.00
7924 East Drive	Landscape	Warning	10/21/2021		
23-3209-001-0013	Landscape	Citation	10/21/2021	$200.00	
7721 Miami View Drive	Bulk Trash	Warning	10/21/2021		
7509 Adventure Ave	WWP	Citation	10/22/2021		$250.00
7512 Buccaneer Ave	Blocking ROW	Warning	10/25/2021		
7720 Miami View Drive	Landscape	Warning	10/25/2021		
7922 East Drive	Landscape	Citation	10/26/2021		$200.00
1601 Kennedy Cswy	Blocking ROW	Warning	10/27/2021		
23-3209-035-0001	WWP	Citation	10/27/2021	$250.00	
7421 Miami View Drive	Bulk Trash	Warning	10/27/2021		
7549 Hispanola Ave	WWP	Citation	10/27/2021		$250.00
7552 Cutlass Ave	Noise	Citation	10/28/2021		$250.00
7552 Cutlass Ave	WWP	Citation	10/28/2021		$250.00
1872 Kennedy Cswy	Bulk Trash	Warning	10/29/2021		
1620 N Treasure Drive	WWP	Citation	10/29/2021		$250.00
7811 Beach View Drive	Trash Cans	Citation	10/30/2021	$200.00	
7420 Beach View Drive	Trash Cans	Warning	10/30/2021		
7711 Beach View Drive	Trash Cans	Warning	10/30/2021		
7811 Miami View Drive	Noise	Citation	10/30/2021	$250.00	
7505 Cutlass Ave	Noise	Warning	10/30/2021		
(46) Lien Searches					
				$2,150.00	$8,025.00

	Code	**Statistics**	**Nov-21**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7933 West Drive	Bulk Trash	Warning	11/1/2021				
7924 East Drive	Bulk Trash	Warning	11/1/2021				
7927 East Drive	Bulk Trash	Warning	11/1/2021				
1351 Bay Terrace	Bulk Trash	Warning	11/2/2021				
7800 Beach View Drive	Trash Cans	Warning	11/3/2021				
7600 Coquina Drive	Bulk Trash	Warning	11/3/2021				
7801 Center Bay Drive	Landscape	Citation	11/2/2021	$200.00			

7801 Center Bay Drive	Illicit Discharge	Citation	11/2/2021	$250.00			
7801 Center Bay Drive	Construction Site Maint.	Citation	11/2/2021	$250.00			
7801 Center Bay Drive	WWP	Citation	11/2/2021	$250.00			
7811 Beach View Drive	Bulk Trash	Warning	11/3/2021				
7917 West Drive	Bulk Trash	Warning	11/3/2021				
Cutlass & S. Treasure Drive	Commercial Vehicle	Warning	11/3/2021				
7548 W Treasure Drive	Trash/ Debris	Citation	11/5/2021		$200.00		
1800 Kennedy Cswy #A201	WWP	Citation	11/6/2021	$250.00			
1725 Kennedy Cswy	Landscape	Citation	11/8/2021		$200.00		
7421 Center Bay Drive	Noise	Warning	11/8/2021				
7811 Beach View Drive	Trash Cans	Citation	11/13/2021	$200.00			
7510 Center Bay Drive	Noise	Citation	11/13/2021	$250.00			
7720 Miami View Deive	Noise	Citation	11/13/2021	$250.00			
7601 E Treasure Drive	Noise	Citation	11/13/2021	$250.00			
7421 Center Bay Drive	Noise	Citation	11/13/2021	$250.00			
7700 Miami View Drive	Noise	Citation	11/15/2021	$250.00		Yes	(1) of (5)
7800 Beach View Drive	Trash Cans	Citation	11/16/2021	$200.00			
Figueroa Landscaping	Bulk Trash	Warning	11/16/2021				
1666 Kennedy Cswy #200	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #208	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #209	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #400	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #409	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #412	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #501	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #203	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #503	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #509	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #512	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #600	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #604	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #607	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #608	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #611	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #612	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #702	BTR	Warning	11/17/2021				
1666 Kennedy Cswy #706	BTR	Warning	11/17/2021				
7830 Miami View Drive	Trash Cans	Warning	11/18/2021				
7811 Miami View Drive	Noise	Citation	11/17/2021		$250.00		
7510 Center Bay Drive	Noise	Citation	11/18/2021		$250.00		
7911 West Drive	Landscape	Citation	11/19/2021		$200.00		
7536 W Treasure Drive	Noise	Citation	11/22/2021	$250.00			
7536 W Treasure Drive	Noise	Citation	11/22/2021	$500.00			
1900 S Treasure Dr. (Lot)	Trash	Warning	11/22/2021				
7537 W Treasure Drive	Trash Cans / Trash	Warning	11/22/2021				
7516 Bounty Ave	Bulk Trash	Warning	11/23/2021				

1666 Kennedy Cswy #211	BTR	Warning	11/23/2021				
1666 Kennedy Cswy #510	BTR	Warning	11/23/2021				
7811 Beach View Drive	Trash Cans	Citation	11/23/2021		$200.00		
1666 Kennedy Cswy #206	BTR	Warning	11/23/2021				
7801 Center Bay Drive	Illicit Discharge	Citation	11/29/2021		$250.00		
7801 Center Bay Drive	Landscape	Citation	11/29/2021		$200.00		
7801 Center Bay Drive	Construction Site Maint.	Citation	11/29/2021		$250.00		
7801 Center Bay Drive	WWP	Citation	11/29/2021		$250.00		
7800 Beach View Drive	Trash Cans	Citation	11/29/2021		$200.00		
7925 West Drive	Bulk Trash	Warning	11/30/2021				
7441 Coquina Drive	Trash	Warning	11/30/2021				
(45) Lien Searches							
				$3,600.00	$2,450.00		
	Code	**Statistics**	**Dec-21**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7811 Beach View Drive	Trash Cans	Citation	12/1/2021		$200.00		
7801 Hispanola Ave	Building Recertification	Warning	12/1/2021				
1666 Kennedy Cswy #610	Building Recertification	Warning	12/1/2021				
7926 East Drive	Building Recertification	Warning	12/1/2021				
7909-7911 East Drive	Building Recertification	Warning	12/1/2021				
7915 East Drive	Building Recertification	Warning	12/1/2021				
7921 West Drive	Building Recertification	Warning	12/1/2021				
7925 West Drive	Building Recertification	Warning	12/1/2021				
1801-1815 Galleon St	Building Recertification	Warning	12/1/2021				
7928 West Drive	Building Recertification	Warning	12/1/2021				
7921 East Drive	Building Recertification	Warning	12/1/2021				
1880 S Treasure Drive	Building Recertification	Warning	12/1/2021				
7920 East Drive	Minimum Housing	Warning	12/6/2021				
7910 West Drive	Bulk Trash	Warning	12/6/2021				
7937 West Drive #G	Minimum Housing	Warning	12/6/2021				
7937 West Drive #F	WWP	Citation	12/6/2021	$250.00			
7937 West Drive #F	Minimum Housing	Warning	12/6/2021				
7917 West Drive	Bulk Trash	Warning	12/6/2021				
7536 W Treasure Drive	Noise	Citation	12/7/2021		$250.00		
7536 W Treasure Drive	Noise	Citation	12/7/2021		$500.00		
1400 Kennedy Cswy #117	BTR	Warning	12/7/2021				
1400 Kennedy Cswy #100	BTR	Warning	12/7/2021				
1400 Kennedy Cswy #1460	BTR	Warning	12/7/2021				
7920 East Drive	Bulk Trash	Warning	12/7/2021				
1555 N Treasure Drive	Bulk Trash	Warning	12/7/2021				
1400 Kennedy Cswy #1402	BTR	Warning	12/8/2021				
7545 E Treasure Drive #8F	Noise	Citation	12/9/2021		$200.00		

7501 E Treasure Drive #6EF	Cannabis	Citation	12/10/2021		$100.00		
7501 E Treasure Drive #6EF	Cannabis	Citation	12/10/2021		$100.00		
7501 E Treasure Drive #3EF	WWP	Citation	12/10/2021	$250.00			
1620 S Treasure Drive	Noise	Citation	12/11/2021	$500.00			
1630 S Treasure Drive	Landscape	Citation	12/11/2021	$200.00			
7536 W Treasure Drive	WWP	Citation	12/13/2021	$250.00			
7920 East Drive	Minimum Housing	Warning	12/13/2021				
7700 Miami View Drive	Noise	Citation	12/13/2021		$250.00		
7900 Harbor Island Drive	Noise	Warning	12/13/2021				
7927 East Drive	Bulk Waste	Warning	12/14/2021				
7513 Adventure Ave	Trash	Warning	12/14/2021				
7920 East Drive	Bulk Trash	Warning	12/15/2021				
7933 West Drive	Bulk Trash	Warning	12/16/2021				
7620 Miami View Drive	WWP	Citation	12/16/2021	$250.00			
7701 Center Bay Drive	Trash	Warning	12/16/2021				
7520 Hispanola Ave	Noise	Citation	12/18/2021	$250.00			
7904 West Drive #112	Special Magistrate	Order	12/20/2021		$4,500.00		
7933 West Drive	Bulk Trash	Warning	12/21/2021				
1666 Kennedy Cswy #610	WWP	Citation	12/21/2021		$250.00		
1850 Kennedy Cswy	Trash	Warning	12/22/2021				
7524 Bounty Ave	Bulk Trash	Warning	12/22/2021				
Galleon Street	Derelict Vehicle	Warning	12/22/2021				
7601 E Treasure Drive #CU2	BTR	Warning	12/23/2021				
7720 Miami View Drive	Noise	Citation	12/23/2021		$250.00		
7601 E Treasure Drive #CU1	BTR	Warning	12/23/2021				
7910 West Drive	Bulk Trash	Warning	12/23/2021				
7601 E Treasure Drive #CU9	BTR	Warning	12/23/2021				
7909-7911 East Drive	Bulk Trash	Warning	12/23/2021				
1801 S Treasure Drive #329	Bulk Trash	Warning	12/28/2021				
1500 Kennedy Cswy	Landscape	Warning	12/29/2021				
1872 Kennedy Cswy	Trash	Warning	12/29/2021				
7505 Bounty Ave	Landscape	Warning	12/30/2021				
7508 W Treasure Drive	Landscape	Warning	12/30/2021				
1620 S Treasure Drive	Noise	Citation	12/30/2021		$500.00		
(22) Lien Searches							
				$1,950.00	$7,100.00		

	Code	**Statistics**	**Jan-22**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7917 West Drive	Bulk Trash	Citation	1/3/2022	$200.00			
7731 Miami View Drive	Landscpae	Warning	1/3/2022				
7520 Hispanola Ave	Noise	Citation	1/3/2022		$250.00		
7620 Miami View Drive	WWP	Citation	1/5/2022		$250.00		

7552 Cutlass Ave	Operating/Advertising	Warning	1/7/2022				
1690 S Treasure Drive	WWP	Citation	1/8/2022	$250.00			
1353 Bay Terrace	WWP	Citation	1/10/2022		$200.00		
7421 Center Bay Drive	Noise	Citation	1/10/2022		$250.00		
7937 West Drive	WWP	Citation	1/12/2022		$250.00		
8020 East Drive #218	Noise	Citation	1/15/2022	$250.00			
8020 East Drive #218	WWP	Citation	1/15/2022	$250.00			
7552 Cutlass Ave	Noise	Citation	1/15/2022	$500.00			
7508 W Treasure Drive	WWP	Citation	1/15/2022	$250.00			
7520 W Treasure Drive	Noise	Warning	1/17/2022				
7631 Miami View Drive	Noise	Warning	1/17/2022				
1650 S Treasure Drive	BTR	Warning	1/18/2022				
7917 West Drive	Bulk Trash	Warning	1/19/2022				
7934 West Drive #1003	Noise	Citation	1/20/2022		$250.00		
7521 Cutlass Ave	Operating/Advertising	Warning	1/20/2022				
7548 Adventure Ave	Operating/Advertising	Warning	1/20/2022				
1900 S Treasure Drive #3D	Operating/Advertising	Warning	1/20/2022				
7933 West Drive #715	Operating/Advertising	Warning	1/20/2022				
7548 Adventure Ave	Operating/Advertising	Citation	1/22/2022	$1,000.00		Yes	(1) of (3)
7548 Adventure Ave	BTR	Citation	1/22/2022	$100.00			
7500 Beach View Drive	Pool Violation	Citation	1/22/2022	$100.00			
7525 E Treasure Drive	Building Miantenence	Warning	1/25/2022				
7920 East Drive	Blocking ROW	Warning	1/26/2022				
7552 Cutlass Ave	Noise	Citation	1/26/2022		$500.00		
7508 W Treasure Drive	WWP	Citation	1/27/2022		$250.00		
1690 S Treasure Drive	WWP	Citation	1/28/2022		$250.00		
1865 Kennedy Cswy #5L	Noise	Citation	1/28/2022		$100.00		
7548 Adventure Ave	Operating/Advertising	Citation	1/28/2022		$1,000.00		
7548 Adventure Ave	BTR	Citation	1/28/2022		$100.00		
7524 Buccaneer Ave	Noise	Citation	1/31/2022		$250.00		
7811 Miami View Drive	Bulk Trash	Warning	1/31/2022				
7720 Center Bay Drive	Landscape	Warning	1/31/2022				
(49) Lien Searches							
				$2,900.00	$3,900.00		
	Code	**Statistics**	**Feb-22**	**$**	**$**	**X**	**X**

Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7917 West Drive	Bulk Trash	Warning	2/1/2022				
7441 Coquina Drive	Construction Site Maint.	Warning	2/1/2022				
7939 East Drive	Knox Box	Warning	2/2/2022				
1630 S Treasure Drive	Special Magistrate	Order	2/2/2022		$220.00		
7929 West Drive #903	Noise	Warning	2/3/2022				
8000 West Drive	Noise	Warning	2/3/2022				

7946 East Drive #201	Operating/Advertising	Warning	2/3/2022				
8020 East Drive #218	Noise	Citation	2/3/2022		$250.00		
8020 East Drive #218	WWP	Citation	2/3/2022		$250.00		
7927 East Drive	Operating/Advertising	Warning	2/3/2022				
7917 West Drive	Trash	Citation	2/7/2022		$200.00		
7536 W Treasure Drive	WWP	Citation	2/7/2022		$250.00		
1820 S Treasure Drive	WWP	Citation	2/8/2022	$250.00			
23-3209-001-0270	Landscape	Warning	2/8/2022				
1800 Kennedy Cswy #A201	Special Magistrate	Order	2/8/2022		$250.00		
1750 S Treasure Drive	Knox Box	Warning	2/9/2022				
1625 Kennedy Causeway	Knox Box	Warning	2/14/2022				
1820 S Treasure Drive #205	WWP	Citation	2/14/2022		$250.00		
1353 Bay Terrace	WWP	Citation	2/14/2022	$250.00			
1880 S Treasure Drive	Blocking ROW	Warning	2/15/2022				
1666 Kennedy Cswy #604	Trash	Warning	2/15/2022				
7917 West Drive	Recycling	Warning	2/15/2022				
7929 West Drive	Recycling	Warning	2/15/2022				
1855 Kennedy Cswy	Filming	Warning	2/15/2022				
1666 Kennedy Causeway	Special Magistrate	Order	2/16/2022		$1,200.00		
7801 Center Bay Drive	Construction Site Maint.	Warning	2/16/2022				
7421 Coquina Drive	ROW Violation	Warning	2/18/2022				
7548 W Treasure Drive	Noise	Citation	2/19/2022	$250.00			
7548 W Treasure Drive	WWP	Citation	2/19/2022	$250.00			
1880 S Treasure Drive	ROW Violation	Warning	2/19/2022				
7810 Center Bay Drive	Noise	Warning	2/19/2022				
7730 Center Bay Drive	Bulk Trash	Warning	2/22/2022				
7710 Coquina Drive	Bulk Trash	Warning	2/22/2022				
7720 Miami View Drive	WWP	Citation	2/23/2022	$250.00			
7720 Miami View Drive	WWP	Citation	2/24/2022		$250.00		
7505 Cutlass Ave	Illicit Discharge	Citation	2/24/2022	$200.00			
7700 Beach View Drive	Noise	Citation	2/26/2022	$250.00			
7811 Beach View Drive	Noise	Citation	2/27/2022	$500.00		Yes	(1) of (5)
7552 Bounty Ave	Trash	Warning	2/28/2022				
7700 Beach View Drive	Noise	Citation	2/28/2022		$250.00		
(67) Lien Searches							
				$2,200.00	$3,370.00		

	Code	**Statistics**	**Mar-22**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
Harbor Island	Derelict Vehicle	Warning	3/1/2022				
7910 West Drive	Bulk Trash	Warning	3/1/2022				
Harbor Island ROW	Prohibited Sign	Removed	3/1/2022				

7530 Miami View Drive	Noise	Warning	3/1/2022				
7811 Beach View Drive	Noise	Citation	3/1/2022		$500.00		
7557 Mutiny Ave	WWP	Citation	3/4/2022	$250.00			
7915 East Drive #2D	Noise	Citation	3/4/2022		$250.00		
7505 Adventure Ave	Trash Cans/Trash	Warning	3/5/2022				
7509 Adventure Ave	Trash Cans/Trash	Warning	3/5/2022				
7901 Hispanola Ave	Noise	Citation	3/5/2022	$250.00			
7915 East Drive	Noise	Citation	3/5/2022	$250.00			
1620 N Treasure Drive	Bulk Trash	Warning	3/9/2022				
7915 East Drive #1A	Noise	Citation	3/9/2022		$250.00		
7421 Coquina Drive	Construction Maint.	Warning	3/10/2022				
1610 S Treasure Drive	Special Magistrate	Order	3/10/2022		$1,600.00		
7557 Mutiny Ave	WWP	Citation	3/10/2022		$250.00		
7621 Coquina Drive	Trash	Warning	3/10/2022				
7601 E Treasure Dr #CU25	Noise	Citation	3/11/2022		$250.00		
7548 W Treasure Drive	Noise	Citation	3/11/2022		$250.00		
7548 W Treasure Drive	WWP	Citation	3/11/2022		$250.00		
7710 Beach View Drive	Noise	Citation	3/12/2022	$250.00			
7710 Beach View Drive	WWP	Citation	3/12/2022	$250.00			
7536 Bounty Ave	Special Magistrate	Order	3/14/2022		$250.00		
1666 Kennedy Cswy #501	Trash	Warning	3/15/2022				
7501 E Treasure Dr #6T	Noise	Citation	3/15/2022		$250.00		
Treasure Island	Abandoned Prop. (Bike)	Warning/Removed	3/16/2022				
1480 S Treasure Drive	Landscape	Citation	3/17/2022		$200.00		
Treasure Island	Abandoned Prop. (Bike)	Warning/Removed	3/16/2022				
7904 West Drive (rear)	Abandoned Vessel	Warning	3/19/2022				
7711 Coquina Drive	Trash/Recycle cans	Warning	3/19/2022				
7910 West Drive (rear)	Noise	Warning	3/21/2022				
7501 E Treasure Dr #7P	Operating/Advertising	Warning	3/21/2022				
7505 Cutlass Ave	Illicit Discharge	Citation	3/21/2022		$200.00		
1400 S Treasure Drive	Bulk Trash	Warning	3/22/2022				
7901 Hispanola Ave	Noise	Citation	3/22/2022		$250.00		
8000 West Drive	Noise	Citation	3/22/2022		$250.00		
1880 S Treasure Drive	Trash	Warning	3/22/2022				
7800 Center Bay Drive	Bulk Trash	Warning	3/22/2022				
7801 Center Bay Drive	Open/Unsecure	Warning	3/22/2022				
1900 S Treasure Drive	Trash	Warning	3/22/2022				
7934 West Drive #904	Special Magistrate	Order	3/23/2022		$3,000.00		
1865 Kennedy Cswy #12G	WWP	Citation	3/23/2022	$250.00			
Public ROW	Prohibited Sign	Removed	3/23/2022				
7700 Beachview Drive	WWP	Citation	3/23/2022	$250.00			
1571 S Treasure Drive	Noise	Warning	3/24/2022				
1353 Bay Terrace	WWP	Citation	3/24/2022		$250.00		
7720 Center Bay Drive	Trash/Recycle Cans	Citation	3/26/2022	$250.00			
7941 West Drive #301	WWP	Citation	3/26/2022	$250.00			
7920 East Drive	Minimum Housing	Warning	3/28/2022				

Treasure Island	Abandoned Vehicle	Warning	3/28/2022				
1880 S Treasure Drive	Special Magistrate	Order	3/28/2022		$3,500.00		
7540 W Treasure Drive	Noise	Warning	3/29/2022				
Harbor Island	Derelict Vehicle	Warning	3/30/2022				
7901 Hispanola Ave	Construction Maint.	Warning	3/30/2022				
7904 West Drive #816	WWP	Citation	3/31/2022		$200.00		
(126) Lien Searches							
				$2,250.00	$11,950.00		
	Code	**Statistics**	**Apr-22**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7540 Bounty Ave	Bulk Trash	Warning	3/31/2022				
7536 Bounty Ave	Bulk Trash	Warning	3/31/2022				
7500 Beachview Drive	Pool Violation	Warning	3/31/2022				
7501 Center Bay Drive	Bulk Trash	Warning	3/31/2022				
7901 Hispanola Ave	Construction Site Maint.	Citation	3/31/2022	$250.00			
7700 Beach View Drive	WWP	Citation	4/1/2022		$250.00		
7536 Bounty Ave	Bulk Trash	Warning	4/1/2022				
1571 S Treasure Drive	Property Maintenance	Warning	4/1/2022				
1440 S Treasure Drive	WWP	Citation	4/2/2022	$250.00			
1440 S Treasure Drive	Noise	Citation	4/2/2022	$250.00			
7544 W Treasure Drive	Noise	Warning	4/2/2022				
7811 Beach View Drive	Trash Cans	Citation	4/2/2022	$200.00			
7536 Bounty Ave	Special Magistrate	Order	4/4/2022		$75.00		
7720 Center Bay Drive	Trash Cans	Citation	4/4/2022		$200.00		
7701 Miami View Drive	Bulk Trash	Warning	4/4/2022				
1900 S Treasure Drive	Property Maintenance	Warning	4/5/2022				
7700 Miami View Drive	Noise	Citation	4/7/2022	$500.00		Yes	(2) of (5)
7533 Adventure Ave	WWP	Citation	4/7/2022	$250.00			
1690 S Treasure Drive	WWP	Citation	4/9/2022	$250.00			
7525 Buccaneer Ave	Construction Site Maint.	Citation	4/8/2022	$250.00			
7920 East Drive	Bulk Trash	Warning	4/8/2022				
7927 East Drive	Minimum Housing	Warning	4/8/2022				
7601 Beach View Drive	Noise	Warning	4/9/2022				
7500 Bounty Ave	Noise	Warning	4/9/2022				
7508 W Treasure Drive	Landscape	Warning	4/10/2022				
7540 W Treasure Drive	ROW Violation	Warning	4/11/2022				
7700 Miami View Drive	Noise	Citation	4/11/2022		$500.00		
7700 Miami View Drive	Trash	Warning	4/11/2022				
7800 Beach View Drive	Bulk Trash	Warning	4/11/2022				
1865 Kennedy Cswy #12G	WWP	Citation	4/12/2022		$250.00		
7601 E Treasure Drive	Graffiti	Warning	4/11/2022				
1872 Kennedy Cswy	Graffiti	Warning	4/11/2022				

7500 Beach View Drive	Pool Violations	Citation	4/15/2022		$100.00		
1900 S Treasure Drive	Operating/Advertising	Warning	4/16/2022				
7810 Center Bay Drive	Noise	Warning	4/18/2022				
Harbor Island	Derelict Vehicle	Warning	4/18/2022				
23-3209-001-0270	Trash	Warning	4/18/2022				
7901 Hispanola Ave	Construction Site Maint.	Citation	4/18/2022		$250.00		
7552 Cutlass Ave	Special Magistrate	Order	4/18/2022		$1,600.00		
1865 Kennedy Cswy #3A	WWP	Citation	4/19/2022	$250.00			
7548 W Treasure Drive	Blocking ROW	Warning	4/19/2022				
7513 Adventure Ave	Noise	Citation	4/22/2022	$250.00			
7910 Harbor Island Dr. #601	Operating/Advertising	Citation	4/22/2022	$1,000.00			
7910 Harbor Island Dr. #601	BTR	Citation	4/22/2022	$100.00			
1690 S Treasure Drive	WWP	Citation	4/22/2022		$250.00		
7500 Beach View Drive	Special Magistrate	Order	4/22/2022		$325.00		
Treasure Island	Abandoned Vehicle	Warning	4/25/2022				
Treasure Island	Derelict Vehicle	Warning	4/25/2022				
7631 Miami View Drive	Construction Site Maint.	Warning	4/25/2022				
7549 Hispanola Ave	WWP	Citation	4/29/2022				
7525 Buccaneer Ave	Noise	Warning	4/30/2022				
7720 Center Bay Drive	Trash Cans	Warning	4/30/2022				
(58) Lien Searches							
				$3,800.00	$3,800.00		

	Code	**Statistics**	**May-22**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7513 Adventure Ave	Noise	Warning	5/1/2022				
7513 Adventure Ave	Noise	Citation	5/2/2022	$500.00			
7508 Jewel Ave	Operating/Advertising	Warning	5/2/2022				
7529 Buccaneer Ave	Bulk Trash	Warning	5/3/2022				
7910 Harbor Island Dr #601	Operating/Advertising	Citation	5/4/2022		$1,000.00		
7910 Harbor Island Dr #601	BTR	Citation	5/4/2022		$100.00		
7910 West Drive #205	WWP	Citation	5/5/2022	$250.00			
7545 E Treasure Dr #10A	WWP	Citation	5/5/2022	$250.00			
Treasure Island	Prohibited Sign	Removed	5/5/2022				
7517 Cutlass Ave	Fence	Warning	5/9/2022				
7544 Mutiny Ave	Trash Can	Warning	5/10/2022				
7513 Adventure Ave	Noise	Citation	5/12/2022		$250.00		
7911 East Drive	Illicit Discharge	Warning	5/12/2022				
7549 Hispanola Ave	WWP	Citation	5/16/2022		$250.00		
7613 Mutiny Ave	Trash	Warning	5/17/2022				
7540 Bounty Ave	Bulk Trash	Warning	5/17/2022				
Treasure Island	Prohibited Sign	Removed	5/17/2022				
7904 West Drive #816	Noise	Warning	5/17/2022				

Treasure Island	Abandoned Bike	Warning/Removed	5/20/2022				
7513 Adventure Ave	Noise	Warning	5/20/2022		$500.00		
7801 Miami View Drive	Trash Cans	Citation	5/21/2022	$200.00			
1440 S Treasure Drive	WWP	Citation	5/21/2022	$250.00			
7548 Buccaneer Ave	Pool Violations	Warning	5/21/2022				
7529 W Treasure Drive	Blocking ROW	Warning	5/23/2022				
Treasure Island	Dead Storage	Warning	5/24/2022				
7934 West Drive #602	Noise	Warning	5/24/2022				
1800 Kennedy Cswy #A201	Special Magistrate	Order	5/24/2022		$300.00		
1701 N Treasure Drive	Landscape	Warning	5/24/2022				
7524 W Treasure Drive	Landscape	Warning	5/25/2022				
7511 Center Bay Drive	Construction Site Maint.	Warning	5/25/2022				
1600 Kennedy Cswy	Trash	Warning	5/26/2022				
7904 West Drive	Prohibited Sign	Warning	5/28/2022				
7917 West Drive	Bulk Trash	Warning	5/30/2022				
7800 Miami View Drive	Blocking ROW	Warning	5/30/2022				
7801 Center Bay Drive	Noise	Warning	5/30/2022				
7524 W Treasure Drive	Open & Unsecure	Warning	5/30/2022				
1630 S Treasure Drive	Blocking ROW	Warning	5/30/2022				
1356 Bay Terrace	Bulk Trash	Warning	5/30/2022				
7910 West Drive	WWP	Citation	5/31/2022		$250.00		
7501 W Treasure Drive	Construction Site Maint.	Warning	5/31/2022				
7500 Beach View Drive	Pool Violations	Warning	5/31/2022				
Harbor Island	Peddler/Solicitor	Warning/Removed	5/31/2022				
(101) Lien Searches							
				$1,450.00	$2,650.00		

	Code	**Statistics**	**Jun-22**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7501 Adventure Ave	Landscape	Warning	6/1/2022				
7528 Buccaneer Ave	Construction Site Maint.	Warning	6/1/2022				
7510 Coquina Drive	Bulk Trash	Warning	6/1/2022				
1830 S Treasure Drive	Bulk Trash	Warning	6/1/2022				
7545 E Treasure Dr #10A	WWP	Citation	6/1/2022		$250.00		
7904 West Drive #517	WWP	Citation	6/2/2022	$250.00			
7505 Bounty Ave	Special Magistrate	Order	6/3/2022		$75.00		
1647 N Treasure Drive	Graffiti	Warning	6/6/2022				
1508 Kennedy Cswy	Graffiti	Warning	6/6/2022				
1550 Kennedy Cswy	Graffiti	Warning	6/6/2022				
1865 Kennedy Cswy #3A	WWP	Citation	6/7/2022		$250.00		
7401 Center Bay Drive	BTR	Warning	6/8/2022				
1790 Kennedy Cswy	Building Maintenance	Warning	6/8/2022				
1701 N Treasure Dr #5	Landscape	Warning	6/11/2022				

7505 Adventure Ave	Landscape	Warning	6/11/2022				
7500 Center Bay Drive	Landscape	Warning	6/11/2022				
7524 W Treasure Drive	Landscape	Warning	6/11/2022				
7512 Buccaneer Ave	Landscape	Warning	6/11/2022				
1701 S Treasure Drive	Landscape	Warning	6/11/2022				
Treasure Island	Derelict Vehicle	Warning	6/13/2022				
Treasure Island	Derelict Vehicle	Warning	6/13/2022				
1600 Kennedy Cswy	Graffiti	Warning	6/13/2022				
1600 Kennedy Cswy	Trash	Warning	6/13/2022				
1524 Kennedy Cswy	Graffiti	Warning	6/13/2022				
7411 Beach View Drive	Bulk Trash	Warning	6/14/2022				
7610 Center Bay Drive	Bulk Trash	Warning	6/14/2022				
7720 Miami View Drive	Trash Cans	Warning	6/15/2022				
1880 S Treasure Drive	Bulk Trash	Warning	6/15/2022				
1601 Kennedy Cswy	Open / Unsecure	Warning	6/16/2022				
7720 Miami View Drive	Landscape	Warning	6/16/2022				
7508 Bounty Ave	Landscape	Warning	6/15/2022				
7548 Hispanola Ave	Landscape	Warning	6/15/2022				
7524 W Treasure Drive	Landscape	Citation	6/21/2022	$200.00			
23-3209-001-0279	Fence	Warning	6/21/2022				
7544 W Treasure Drive	WWP	Citation	6/21/2022		$1,200.00		
1735 N Treasure Drive	Special Magistrate	Order	6/22/2022		$250.00		
1865 Kennedy Cswy #12G	Special Magistrate	Order	6/24/2022		$1,000.00		
8020 East Drive #218	Special Magistrate	Order	6/24/2022		$900.00		
7552 Cutlass Ave	Noise	Citation	6/25/2022	$250.00			
1750 S Treasure Dr #1	Noise	Citation	6/27/2022		$250.00		
7720 Miami View Drive	Special Magistrate	Order	6/28/2022		$1,200.00		
7931 East Drive	Stagnant Water	Warning	6/29/2022				
7931 East Drive	Trash	Warning	6/29/2022				
(45) Lien Searches							
				$700.00	$5,375.00		
	Code	**Statistics**	**Jul-22**	**$**	**$**	**X**	**X**

Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7508 Cutlass Ave	Trash	Warning	7/1/2022				
Treasure Island	Derelict Vehicle	Warning	7/5/2022				
8000 West Drive	Trash	Warning	7/5/2022				
1580 Kennedy Cswy	WWP	Citation	7/5/2022	$250.00			
7929 West Drive	Trash	Warning	7/5/2022				
Treasure Island	Derelict Vehicle	Warning	7/6/2022				
7810 Beach View Drive	Bulk Trash	Warning	7/6/2022				
1580 Kennedy Cswy	WWP	Citation	7/7/2022		$250.00		
7537 Mutiny Ave	WWP	Citation	7/7/2022	$250.00			

7701 Beach View Drive	Bulk Trash	Warning	7/6/2022				
1872 Kennedy Cswy	Noise	Warning	7/7/2022				
7501 E Treasure Drive	Construction Maint.	Warning	7/7/2022				
1600 Kennedy Cswy	Trash	Warning	7/11/2022				
7700 Center Bay Drive	Landscape	Warning	7/12/2022				
7524 W Treasure Drive	Landscape	Citation	7/12/2022		$200.00		
7720 Coquina Drive	Bulk Trash	Warning	7/12/2022				
7501 E Treasure Drive	Trash	Warning	7/12/2022				
7556 Bounty Ave	Bulk Trash	Warning	7/12/2022				
1550 Kennedy Cswy	Graffiti	Citation	7/13/2022	$100.00			
7504 Adventure Ave	Bulk Trash	Warning	7/14/2022				
1321 Bay Terrace	Bulk Trash	Warning	7/14/2022				
7529 Mutiny Ave	WWP	Citation	7/14/2022	$250.00			
7601 E Treasure Dr #2007	Noise	Citation	7/22/2022		$250.00		
1750 S Treasure Drive	Noise	Citation	7/22/2022		$250.00		
7421 Beach View Drive	Property Maintenance	Warning	7/23/2022				
7720 Center Bay Drive	Trash Cans	Citation	7/23/2022	$200.00		yes	1
7536 Adventure Ave	Trash Cans	Citation	7/23/2022	$200.00			
7801 Center Bay Drive	Construction Maint.	Warning	7/25/2022				
7537 Mutiny Ave	WWP	Citation	7/26/2022		$250.00		
1880 S Treasure Drive	WWP	Citation	7/26/2022	$250.00			
1872 Kennedy Cswy	Noise	Citation	7/26/2022	$250.00			
7552 Cutlass Ave	Noise	Citation	7/26/2022		$250.00		
Public ROW	Prohibited Sign	Removed	7/27/2022				
1800 Kennedy Cswy	Property Maintenance	Warning	7/27/2022				
1755 Kennedy Cswy	Property Maintenance	Warning	7/27/2022				
1555 E Treasure Drive	Bulk Trash	Warning	7/28/2022				
7801 Miami View Drive	Trash Cans	Citation	7/28/2022		$200.00		
7525 Buccaneer Ave	Construction Maint.	Citation	7/28/2022		$250.00		
7811 Beach View Drive	Trash Cans	Citation	7/28/2022		$200.00		
1510 S Treasure Drive	Bulk Trash	Warning	7/28/2022				
7801 Center Bay Drive	Construction Maint.	Citation	7/28/2022	$500.00			
7510 Coquina Drive	Bulk Trash	Warning	7/28/2022				
1700 N Treasure Drive	WWP	Citation	7/28/2022	$250.00			
1365 Bay Terrace	Trash Cans	Warning	7/30/2022				
7513 Adventure Ave	Trash Cans	Warning	7/30/2022				
7509 Adventure Ave	Trash Cans	Warning	7/30/2022				
7700 Miami View Drive	Trash Cans	Warning	7/30/2022				
7720 Miami View Drive	Trash Cans	Warning	7/30/2022				
7537 Mutiny Ave	Noise	Citation	7/30/2022	$250.00			
(35) Lien Searches							
				$2,750.00	$2,100.00		
	Code	**Statistics**	**Aug-22**	**$**	**$**	**X**	**X**

Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7920 East Drive	Bulk Trash	Warning	8/1/2022				
1780 Kennedy Cswy #111	Noise	Warning	8/1/2022				
Treasure Island	Prohibited Signs	Removed	8/2/2022				
Treasure Island	Derelict/Storage Vehicle	Warning	8/2/2022				
Treasure Island	Derelict/Storage Vehicle	Warning	8/2/2022				
1800 Kennedy Cswy	Property Maintenance	Warning	8/3/2022				
7710 Miami View Drive	Noise	Warning	8/3/2022				
1800 Kennedy Cswy #109	Noise	Warning	8/4/2022				
7505 Adventure Ave	WWP	Warning	8/5/2022				
7549 Hispanola Ave	Noise	Citation	8/6/2022	$250.00			
1356 Bay Terrace	Landscape	Warning	8/6/2022				
7549 Hispanola Ave	Noise	Citation	8/8/2022		$250.00		
7536 Adventure Ave	Trash Cans	Citation	8/8/2022		$200.00		
Treasure Island	Derelict/Storage Vehicle	Warning	8/8/2022				
7700 Coquina Drive	Landscape / Trash	Warning	8/8/2022				
7915 East Drive	Bulk Trash	Warning	8/9/2022				
1365 Bay Terrace	Bulk Trash	Warning	8/10/2022				
1600 Kennedy Cswy	Trash	Citation	8/10/2022	$200.00			
1872 Kennedy Cswy	Noise	Citation	8/11/2022		$250.00		
7552 Cutlass Ave	WWP	Citation	8/11/2022	$250.00			
1701 N Treasure Drive #3	Landscape	Warning	8/11/2022				
23-3209-001-0013	Trash/Landscape	Warning	8/11/2022				
7918 West Drive	Construction Site Maint.	Warning	8/15/2022				
7621 Center Bay Drive	Bulk Trash	Warning	8/15/2022				
7801 Center Bay Drive	Construction Site Maint.	Citation	8/15/2022		$500.00		
7620 Center Bay Drive	Bulk Trash	Warning	8/15/2022				
7552 Cutlass Ave	WWP	Citation	8/17/2022		$250.00		
1800 Kennedy Cswy	Minimum Housing	Citation	8/18/2022	$250.00			
1356 Bay Terrace	Landscape	Citation	8/19/2022	$200.00			
7517 Buccaneer Ave	WWP	Citation	8/20/2022	$250.00			
7500 Beach View Drive	Noise	Citation	8/20/2022	$250.00			
7500 Beach View Drive	WWP	Citation	8/20/2022	$250.00			
7720 Center Bay Drive	Trash Cans	Citation	8/22/2022		$200.00		
7929 West Drive #903	Noise	Warning	8/24/2022				
1900 S Treasure Drive #4C	Noise	Citation	8/24/2022		$200.00		
1900 S Treasure Drive #4C	Noise	Citation	8/24/2022		$100.00		
7537 Mutiny Ave	Noise	Citation	8/24/2022		$250.00		
7915 East Drive	Bulk Trash	Warning	8/25/2022				
7918 West Drive	Open/Unsecure	Warning	8/25/2022				
Treasure Island	Derelict/StorageTrailer	Warning	8/27/2022				
7929 West Drive #903	Noise	Citation	8/29/2022	$200.00			
8000 West Drive	Bulk Trash	Warning	8/29/2022				
1331 Bay Terrace	Prohibited Sign	Removed	8/30/2022				

1356 Bay Terrace	Prohibited Sign	Removed	8/30/2022				
1321 Bay Terrace	Prohibited Sign	Removed	8/30/2022				
7420 Miami View Drive	Prohibited Sign	Removed	8/30/2022				
7611 Miami View Drive	Prohibited Sign	Removed	8/30/2022				
7610 Miami View Drive	Prohibited Sign	Removed	8/30/2022				
7600 Miami View Drive	Prohibited Sign	Removed	8/30/2022				
7531 Miami View Drive	Prohibited Sign	Removed	8/30/2022				
7630 Miami View Drive	Prohibited Sign	Removed	8/30/2022				
7721 Miami View Drive	Prohibited Sign	Removed	8/30/2022				
7730 Coquina Drive	Prohibited Sign	Removed	8/31/2022				
7731 Coquina Drive	Prohibited Sign	Removed	8/31/2022				
7620 Coquina Drive	Prohibited Sign	Removed	8/31/2022				
7611 Coquina Drive	Prohibited Sign	Removed	8/31/2022				
7701 Center Bay Drive	Prohibited Sign	Removed	8/31/2022				
7721 Center Bay Drive	Prohibited Sign	Removed	8/31/2022				
7730 Center Bay Drive	Prohibited Sign	Removed	8/31/2022				
(23) Lien Searches							
				$2,100.00	$2,200.00		
	Code	**Statistics**	**Sep-22**	**$**	**$**	**X**	**X**

Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1640 N Treasure Drive	Landscape	Warning	8/27/2022				
1670 N Treasure Drive	Landscape	Warning	8/27/2022				
Treasure Island	Derelict/Storage Vehicle	Warning	8/27/2022				
7536 W Treasure Drive	Noise	Citation	9/1/2022	$250.00		No/Long Term	
7536 W Treasure Drive	Noise	Citation	9/2/2022	$500.00		No/Long Term	
Treasure Island	Derelict/Storage Vehicle	Warning	9/5/2022				
1600 Kennedy Cswy	Prohibited Sign	Removed	9/6/2022				
1872 Kennedy Cswy	Prohibited Sign	Removed	9/6/2022				
1725 Kennedy Cswy	Prohibited Sign	Removed	9/6/2022				
1400 Kennedy Cswy	Prohibited Sign	Removed	9/6/2022				
8000 West Drive #405	Operating/Advertising	Warning	9/7/2022				
7517 Buccaneer Ave	WWP	Citation	9/7/2022		$250.00		
1600 Kennedy Cswy	Trash	Citation	9/7/2022		$200.00		
7401 Center Bay Drive	Landscape	Warning	9/8/2022				
7517 Hispanola Ave	Landscape	Warning	9/8/2022				
1670 S Treasure Drive	Noise	Citation	9/8/2022	$250.00			
7544 Mutiny Ave	WWP	Citation	9/8/2022	$250.00			
7500 Beach View Drive	Noise	Citation	9/9/2022		$250.00		
7500 Beach View Drive	WWP	Citation	9/9/2022		$250.00		
7531 Center Bay Drive	WWP	Citation	9/13/2022	$250.00			
1351 Bay Terrace	Bulk Trash	Warning	9/14/2022				
1600 Kennedy Cswy	Trash	Warning	9/14/2022				

1800 Kennedy Cswy	Minimum Housing	Citation	9/14/2022		$250.00		
7525 E Treasure Drive #504	Operating/Advertising	Warning	9/16/2022				
7525 E Treasure Drive	Operating/Advertising	Warning	9/16/2022				
7509 Mutiny Ave	Landscape	Warning	9/17/2022				
7600 Beach View Drive	Landscape	Warning	9/17/2022				
1508 Kennedy Cswy	Grafitti	Warning	9/19/2022				
1400 Kennedy Cswy	Prohibited Sign	Removed	9/19/2022				
7929 West Drive #903	Noise	Citation	9/19/2022		$200.00		
7517 Bounty Ave	WWP	Citation	9/20/2022	$250.00			
7517 Bounty Ave	Bulk Trash	Warning	9/20/2022				
7525 E Treasure Drive #708	Minimum Housing	Warning	9/21/2022				
7525 E Treasure Drive	Minimum Housing	Citation	9/21/2022	$250.00			
7710 Center Bay Drive	Bulk Trash	Warning	9/21/2022				
Harbor Island	Derelict/Storage Vehicle	Warning	9/22/2022				
Harbor Island	Derelict/Storage Scooter	Warning	9/22/2022				
Treasure Island	Abandoned Property	Warning	9/22/2022				
7931 East Drive	Trash	Warning	9/22/2022				
7501 Center Bay Drive	Bulk Trash	Warning	9/22/2022				
7731 Beach View Drive	WWP / Painting	Warning	9/22/2022				
7544 Mutiny Ave	WWP	Citation	9/22/2022		$250.00		
All Construction Sites	Order to Secure	Warning	9/23/2022				
7513 Bounty Ave	Noise	Citation	9/24/2022	$250.00			
All Construction Sites	Order to Secure	Warning	9/24/2022				
7531 Center Bay Drive	WWP	Citation	9/26/2022		$250.00		
7928 West Drive #510	WWP	Citation	9/27/2022	$250.00			
7517 Bounty Ave	WWP	Citation	9/27/2022		$250.00		
Harbor Island	Storage Trailer	Warning	9/28/2022				
7508 W Treasure Drive	Construction Site Maint.	Warning	9/28/2022				
7508 W Treasure Drive	Open/Unsecure	Warning	9/28/2022				
7401 Center Bay Drive	Bulk Trash	Warning	9/28/2022				
1665 Kennedy Cswy	Property Maintenance	Warning	9/28/2022				
7508 W Treasure Drive	Construction Site Maint.	Citation	9/28/2022	$250.00			
1700 N Treasure Drive	WWP	Citation	9/29/2022		$250.00		
(32) Lien Searches							
				$2,750.00	$2,400.00		

	Code	**Statistics**	**Oct-22**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1601 Kennedy Cswy	Landscape	Warning	10/1/2022				
7508 W Treasure Drive	Noise	Citation	10/1/2022	$250.00			
7525 Buccaneer Ave	Noise	Citation	10/1/2022	$250.00			
7509 Mutiny Ave	Landscape/Trash	Citation	10/1/2022	$200.00			
7600 Beach View Drive	Landscape/Trash	Citation	10/1/2022	$200.00			

7500 W Treasure Drive	Landscape	Warning	10/1/2022				
7508 W Treasure Drive	Construction Site Maint.	Citation	10/3/2022		$250.00		
7508 W Treasure Drive	Noise	Citation	10/3/2022		$250.00		
7910 West Drive	Bulk Trash	Warning	10/3/2022				
7509 Mutiny Ave	Landscape	Citation	10/4/2022		$200.00		
7430 Beach View Drive	WWP	Citation	10/4/2022	$250.00			
7500 Center Bay Drive	Construction Site Maint.	Warning	10/4/2022				
7430 Beach View Drive	WWP	Citation	10/5/2022		$250.00		
7937 West Drive	Bulk Trash	Warning	10/5/2022				
7500 Center Bay Drive	Construction Site Maint.	Citation	10/5/2022	$250.00			
7939 West Drive	Trash	Warning	10/6/2022				
1356 Bay Terrace	WWP	Citation	10/6/2022	$250.00			
1356 Bay Terrace	WWP	Citation	10/6/2022	$250.00			
7531 Center Bay Drive	Noise	Citation	10/7/2022	$250.00			
7938 West Drive	Trash	Warning	10/7/2022				
7926 East Drive	Bulk Trash	Warning	10/10/2022				
1321 Bay Terrace	Bulk Trash	Warning	10/12/2022				
7513 Bounty Ave	Noise	Citation	10/12/2022	$250.00			
7513 Bounty Ave	WWP	Citation	10/12 2022	$250.00			
7910 West Drive	Bulk Trash	Warning	10/12/2022				
7531 Center Bay Drive	Noise	Citation	10/14/2022		$250.00		
1900 S Treasure Drive	Minimum Housing	Warning	10/14/2022				
Treasure Island	Prohibited Sign	Removed	10/14/2022				
7548 W Treasure Drive	Construction Site Maint.	Citation	10/15/2022	$250.00			
7508 W Treasure Drive	Special Magistrate	Order	10/17/2022		$3,000.00		
7922 East Drive	Vacant Lot Fee	Warning	10/17/2022		$250.00		
1820 S Treasure Drive	WWP	Citation	10/18/2022	$250.00			
7941 West Drive #301	Special Magistrate	Order	10/18/2022		$800.00		
1780 Kennedy Cswy	WWP	Citation	10/18/2022	$250.00			
7401 Miami View Drive	Landscape	Warning	10/18/2022				
23-3209-001-0013	Vacant Lot Fee	Warning	10/19/2022		$250.00		
7500 Miami View Drive	Landscape	Warning	10/19/2022				
7500 Coquina Drive	WWP/Painting	Warning	10/19/2022				
7920 East Drive	Bulk Trash	Warning	10/20/2022				
7920 East Drive	Minimum Housing	Citation	10/20/2022	$250.00			
7500 Center Bay Drive	Construction Site Maint.	Citation	10/20/2022		$250.00		
7548 W Treasure Drive	Construction Site Maint.	Warning	10/22/2022				
7500 Center Bay Drive	Trash Cans	Warning	10/22/2022				
7531 Center Bay Drive	Trash Cans	Warning	10/22/2022				
7934 West Drive #1105	Operating/Advertising	Warning	10/22/2022				
7904 West Drive #303	Operating/Advertising	Warning	10/22/2022				
7441 Coquina Drive	Noise	Citation	10/22/2022	$250.00			
Treasure Island	Prohibited Sign	Removed	10/24/2022				
Treasure Island	Prohibited Sign	Removed	10/24/2022				
7548 W Treasure Drive	Various	Warning	10/24/2022				

1555 Kennedy Cswy	Vacant Lot Fee	Warning	10/24/2022		$250.00		
23-3209-000-0020	Vacant Lot Fee	Warning	10/24/2022		$250.00		
7600 Beach View Drive	Landscape	Citation	10/24/2022		$200.00		
1701 N Treasure Drive #2	Landscape	Warning	10/25/2022				
7530 Beach View Drive	Bulk Trash	Warning	10/26/2022				
Treasure Island	Prohibited Sign	Removed	10/27/2022				
7500 Center Bay Drive	ROW Violation	Warning	10/27/2022				
1670 S Treasure Drive	Noise	Citation	10/27/2022		$250.00		
7421 Miami View Drive	WWP	Citation	10/27/2022	$250.00			
1800 Kennedy Cswy	WWP	Citation	10/28/2022	$250.00			
1790 Kennedy Cswy	WWP	Citation	10/28/2022	$250.00			
1780 Kennedy Cswy	WWP	Citation	10/28/2022	$250.00			
1770 Kennedy Cswy	WWP	Citation	10/28/2022	$250.00			
8000 West Drive	Parking Violations	Warning	10/28/2022				
1780 Kennedy Cswy #311	WWP	Citation	10/28/2022	$250.00			
1820 S Treasure Drive	WWP	Citation	10/28/2022		$250.00		
1780 Kennedy Cswy #311	WWP	Citation	10/28/2022		$250.00		
(23) Lien Searches							
				$5,400.00	$7,200.00		

	Code	**Statistics**	**Nov-22**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7513 Bounty Ave	WWP	Citation	11/1/2022		$250.00		
7513 Bounty Ave	Noise	Citation	11/1/2022		$250.00		
7545 E Treasure Drive	WWP	Citation	11/1/2022	$250.00			
7920 East Drive	Bulk Trash	Warning	11/1/2022				
1359 Bay Terrace	Bulk Trash	Warning	11/1/2022				
7928 West Drive #510	WWP/SWO	Citation	11/2/2022	$250.00			
23-3209-008-1200	Vacant Lot Fee	Warning	11/2/2022		$250.00		
7525 Buccaneer Ave	Noise	Citation	11/3/2022		$250.00		
23-3209-008-1210	Vacant Lot Fee	Warning	11/3/2022		$250.00		
1900 S Treasure Drive	Minimum Housing	Warning	11/2/2022				
7910 West Drive	Bulk Trash	Warning	11/1/2022				
7401 Beach View Drive	Vacant Lot Fee	Warning	11/4/2022		$250.00		
7918 West Drive	Noise	Citation	11/5/2022	$250.00			
7711 Miami View Drive	Noise	Citation	11/5/2022	$250.00			
All Construction Sites	Order to Secure	Warning	11/7/2022				
7933 West Drive	Bulk Trash	Warning	11/7/2022				
7920 East Drive	Bulk Trash	Citation	11/7/2022	$200.00			
1401 Kennedy Cswy	Bulk Trash	Warning	11/8/2022				
23-3209-033-0001	Minimum Housing	Citation	11/8/2022		$250.00		
Various Locations	Order to Secure	Warning	11/8/2022				
1365 Bay Terrace	Trash Cans	Warning	11/8/2022				

7721 Miami View Drive	Bulk Trash	Warning	11/8/2022				
1665 Kennedy Cswy	Graffiti	Warning	11/10/2022				
7631 Miami View Drive	Trash Cans	Warning	11/9/2022				
7931 East Drive	Property Maintenance	Warning	11/10/2022				
1865 Kennedy Cswy #3A	Special Magistrate	Order	11/15/2022		$1,500.00		
1401 Kennedy Cswy	Graffiti	Warning	11/15/2022				
1624 Kennedy Cswy	WWP	Citation	11/17/2022	$250.00			
7525 E Treasure Drive	Minimum Housing	Citation	11/17/2022		$250.00		
7920 East Drive	Minimum Housing	Citation	11/17/2022	$250.00			
7910 West Drive	Special Magistrate	Order	11/18/2022		$1,900.00		
1690 S Treasure Drive	Special Magistrate	Order	11/18/2022		$2,900.00		
Treasure Island	Prohibited Sign	Removed	11/21/2022				
7504 Adventure Ave	Bulk Trash	Warning	11/21/2022				
7918 West Drive	Blocking ROW	Warning	11/21/2022				
1455 N Treasure Drive	Minimum Housing	Warning	11/21/2022				
7918 West Drive	Noise	Citation	11/21/2022		$250.00		
1624 Kennedy Cswy	WWP	Citation	11/21/2022		$250.00		
1630 S Treasure Drive	Vacant Lot Fee	Warning	11/23/2022				
7524 W Treasure Drive	Vacant Lot Fee	Warning	11/23/2022				
1725 Kennedy Cswy	Vacant Lot Fee	Warning	11/23/2022				
23-3209-001-0270	Vacant Lot Fee	Warning	11/23/2022				
23-3209-001-0250	Vacant Lot Fee	Warning	11/23/2022				
7940 West Drive	Vacant Lot Fee	Warning	11/23/2022				
7938 West Drive	Vacant Lot Fee	Warning	11/23/2022				
7548 W Treasure Drive	Construction Site Maint.	Warning	11/24/2022				
1700 Kennedy Cswy #110	Prohibited Sign	Warning	11/22/2022				
7918 West Drive	Construction Site Maint.	Citation	11/27/2022	$500.00			
1790 S Treasure Drive #4A	WWP	Citation	11/28/2022	$250.00			
7904 West Drive	Minimum Housing	Warning	11/28/2022				
1555 Kennedy Cswy	Landscape	Warning	11/29/2022				
1725 Kennedy Cswy	Various	Warning	11/29/2022				
7904 West Drive	Noise	Warning	11/30/2022				
7524 W Treasure Drive	Vacant Lot Fee	Warning	11/29/2022		$250.00		
(31) Lien Searches							
				$2,450.00	$9,050.00		

	Code	**Statistics**	**Dec-22**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1755 Kennedy Cswy	Trash	Warning	12/2/2022				
7509 Mutiny Ave	Noise	Citation	12/3/2022	$250.00			
7938 West Drive	Vacant Lot Fee	Warning	12/5/2022		$250.00		
7940 West Drive	Vacant Lot Fee	Warning	12/5/2022		$250.00		
1530 Kennedy Cswy	WWP	Citation	12/5/2022	$250.00			

7920 East Drive	Minimum Housing	Warning	12/5/2022				
1900 S Treasure Drive	WWP	Citation	12/6/2022	$250.00			
7500 Center Bay Drive	Special Magistrate	Order	12/6/2022		$6,000.00		
Treasure Island	Derelict Vehicle	Warning	12/7/2022				
7509 Mutiny Ave	Blocking ROW	Warning	12/7/2022				
7525 E Treasure Drive	Bulk Trash	Warning	12/8/2022				
7731 Miami View Drive	Bulk Trash	Warning	12/8/2022				
7920 East Drive	Minimum Housing	Citation	12/8/2022	$250.00			
1470 S Treasure Drive	Noise	Citation	12/7/2022		$100.00		
7509 Mutiny Ave	Noise	Citation	12/8/2022		$250.00		
1356 Bay Terrace	Stagnant Water	Warning	12/10/2022				
7505 Cutlass Ave	Noise	Citation	12/10/2022				
8000 West Drive	Landscape	Warning	12/12/2022				
7548 W Treasure Drive	Construction Site Maint.	Citation	12/12/2022	$500.00			
7710 Miami View Drive	Bulk Trash	Warning	12/13/2022				
1725 Kennedy Cswy	Vacant Lot Fee	Warning	12/13/2022		$250.00		
1670 S Treasure Drive	Construction Site Maint.	Warning	12/15/2022				
7505 Bounty Ave	WWP	Citation	12/16/2022		$250.00		
7721 Coquina Drive	Landscape	Warning	12/15/2022				
7529 Mutiny Ave	Landscape	Warning	12/16/2022				
7631 Miami View Drive	Landscape	Warning	12/16/2022				
7720 Miami View Drive	Noise	Warning	12/17/2022				
1356 Bay Terrace	Noise	Warning	12/17/2022				
7701 Miami View Drive	Noise	Citation	12/17/2022	$250.00			
1530 Kennedy Cswy	WWP	Citation	12/16/2022		$250.00		
1900 S Treasure Drive	WWP	Citation	12/19/2022		$250.00		
Treasure Island	Prohibited Sign	Removed	12/20/2022				
Treasure Island	Prohibited Sign	Removed	12/20/2022				
1630 S Treasure Drive	Vacant Lot Fee	Warning	12/20/2022		$250.00		
7910 West Drive	Trash	Warning	12/21/2022				
7552 Mutiny Ave	Bulk Trash	Warning	12/21/2022				
7711 Miami View Drive	WWP	Citation	12/21/2022	$250.00			
7701 Miami View Drive	Bulk Trash	Warning	12/21/2022				
1680 S Treasure Drive	Bulk Trash	Warning	12/21/2022				
7711 Miami View Drive	WWP	Citation	12/21/2022	$250.00			
7710 Miami View Drive	Trash	Warning	12/22/2022				
1356 Bay Terrace	Noise	Warning	12/26/2022				
7600 Beach View Drive	WWP	Citation	12/27/2022	$250.00			
7920 East Drive	Minimum Housing	Citation	12/27/2022		$250.00		
1550 Kennedy Cswy	Bulk Trash	Warning	12/27/2022				
7920 East Drive	Trash	Citation	12/27/2022		$200.00		
7533 Bounty Ave	Noise	Warning	12/27/2022				
1356 Bay Terrace	Landscape	Citation	12/28/2022		$200.00		
1356 Bay Terrace	WWP	Citation	12/28/2022		$250.00		
8000 West Drive	Landscape	Warning	12/29/2022				

(43) Lien Searches							
				$2,500.00	$9,000.00		
	Code	**Statistics**	**Jan-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1550 Kennedy Cswy	Bulk Trash	Warning	1/3/2023				
7549 Bounty Ave	Landscape	Citation	1/3/2023		$1,000.00		
7631 Miami View Drive	Construction Site Maint.	Warning	1/3/2023				
Harbor Island	Derelict Vehicle	Warning	1/4/2023				
7925 East Drive	Property Maintenance	Warning	1/4/2023				
1872 Kennedy Cswy	Construction Mesh	Warning	1/4/2023				
7548 W Treasure Drive	Construction Mesh	Warning	1/4/2023				
7531 Miami View Drive	Bulk Trash	Warning	1/4/2023				
7631 Miami View Drive	Construction Mesh	Warning	1/4/2023				
7801 Center Bay Drive	Construction Mesh	Warning	1/4/2023				
7711 Center Bay Drive	Bulk Trash	Warning	1/4/2023				
1790 S Treasure Drive #4A	WWP	Citation	1/4/2023		$250.00		
7400 Beach View Drive	Bulk Trash	Warning	1/5/2023				
7711 Miami View Drive	WWP	Citation	1/5/2023		$250.00		
1440 Kennedy Cswy	Prohibited sign	Warning	1/5/2023				
1666 Kennedy Cswy	Prohibited sign	Warning	1/5/2023				
7631 Miami View Drive	Landscape	Citation	1/5/2023	$200.00			
7513 Mutiny Ave	Noise	Warning	1/7/2023				
7529 Mutiny Ave	Noise	Citation	1/7/2023	$250.00			
Treasure Island	Prohibited Sign	Removed	1/9/2023				
7620 Beach View Drive	Bulk Trash	Warning	1/11/2023				
7800 Hispanola Ave	Bulk Trash	Warning	1/12/2023				
7610 Center Bay Drive	Landscape	Warning	1/14/2023				
7610 Center Bay Drive	Landscape	Warning	1/14/2023				
1780 Kennedy Cswy	Minimum Housing	Warning	1/14/2023				
7920 East Drive	Minimum Housing	Warning	1/15/2023				
7500 Beach View Drive	Noise	Warning	1/16/2023				
7410 Coquina Drive	Noise	Warning	1/16/2023				
23-3209-001-0013	Noise	Warning	1/16/2023				
23-3209-014-0190	Trash	Warning	1/16/2023				
7525 E Treasure Drive	Bulk Trash	Warning	1/16/2023				
1600 Kennedy Cswy	Graffiti	Warning	1/17/2023				
1600 Kennedy Cswy	Trash	Removed	1/17/2023				
7929 West Drive	Bulk Trash	Warning	1/17/2023				
7601 Coquina Drive	Bulk Trash	Warning	1/17/2023				
1666 Kennedy Cswy	Property Maintenance	Warning	1/19/2023				
7721 Coquina Drive	Landscape	Warning	1/20/2023				
Treasure Island	Derelict Vehicle	Warning	1/23/2023				
7925 East Drive	Blocking ROW	Removed	1/24/2023				

1450 S Treasure Drive	Noise	Warning	1/24/2023				
7904 West Drive #601	WWP	Citation	1/25/2023	$250.00			
7904 West Drive #1016	WWP	Citation	1/25/2023	$250.00			
1750 S Treasure Drive	Noise	Citation	1/26/2023		$500.00		
8000 West Drive	BTR	Warning	1/26/2023				
23-3209-001-0270	Vacant Lot Fee	Warning	1/27/2023		$250.00		
23-3209-001-0250	Vacant Lot Fee	Warning	1/27/2023		$250.00		
8000 West Drive #807	Noise	Citation	1/27/2023		$250.00		
7610 Center Bay Drive	WWP	Citation	1/28/2023	$250.00			
7531 Beach View Drive	Noise	Citation	1/28/2023	$250.00			
7517 Bounty Ave	Noise	Warning	1/28/2023				
7901 Hispanola Ave	Trash	Citation	1/30/2023	$200.00			
1400 Kennedy Cswy	Prohibited Sign	Removed	1/30/2023				
1601 Kennedy Cswy	Property Maintenance	Warning	1/30/2023				
7909-7911 East Drive	Special Magistrate	Order	1/30/2023		$2,000.00		
7610 Center Bay Drive	WWP	Citation	1/30/2023		$250.00		
(23) Lien Searches							
				$1,650.00	$5,000.00		
	Code	**Statistics**	**Feb-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1830 S Treasure Drive	Bulk Trash	Warning	2/1/2023				
7529 Mutiny Ave	Blocking ROW	Warning	2/1/2023				
1865 Kennedy Cswy	Trash	Citation	2/1/2023	$200.00			
7545 Cutlass Ave	Bulk Trash	Warning	2/1/2023				
7904 West Drive #1016	WWP	Citation	2/1/2023		$250.00		
1700 N Treasure Drive	Special Magistrate	Order	2/1/2023		$1,500.00		
7904 West Drive	Construction Site Maint.	Warning	2/2/2023				
1356 Bay Terrace	Construction Site Maint.	Warning	2/2/2023				
7556 W Treasure Drive	Noise	Citation	2/6/2023	$250.00		Yes	(1) of (3)
7945 East Drive #106	Minimum Housing	Warning	2/7/2023				
7945 East Drive #207	Minimum Housing	Warning	2/7/2023				
7801 Center Bay Drive	Trash	Warning	2/7/2023				
7548 W Treasure Drive	Construction Site Maint.	Citation	2/9/2023		$250.00		
7548 W Treasure Drive	Construction Site Maint.	Citation	2/9/2023		$500.00		
1865 Kennedy Cswy	Trash	Citation	2/9/2023		$200.00		
7631 Miami View Drive	Landscape	Citation	2/10/2023		$200.00		
1601- 47 N Treasure Drive	WWP	Citation	2/10/2023		$250.00		
7510 Coquina Drive	Trash Cans	Warning	2/11/2023				
7530 Miami View Drive	Trash Cans	Warning	2/11/2023				
7631 Miami View Drive	Bulk Trash	Warning	2/11/2023				
7441 Coquina Drive	Noise	Citation	2/13/2023		$250.00		
7601 Coquina Drive	Bulk Trash	Warning	2/14/2023				

8000 West Drive	Noise	Citation	2/14/2023		$250.00		
1735 N Treasure Drive	Graffiti	Warning	2/15/2023				
7529 Mutiny Ave	Construction Site Maint.	Warning	2/15/2023				
7920 East Drive	Minimum Housing	Warning	2/15/2023				
7556 W Treasure Drive	Noise	Citation	2/15/2023		$250.00		
7510 Coquina Drive	Bulk Trash	Warning	2/16/2023				
7600 Beach View Drive	WWP	Citation	2/16/2023		$250.00		
7421 Miami View Drive	WWP	Citation	2/17/2023		$250.00		
7501 E Treasure Drive	Noise	Citation	2/18/2023	$250.00			
1580 S Treasure Drive	Noise	Citation	2/18/2023	$250.00		Yes	(1) of (3)
1801 S Treasure Drive	Noise	Warning	2/20/2023				
7529 Mutiny Ave	Noise	Warning	2/20/2023				
7910 West Drive #104	WWP	Citation	2/20/2023	$250.00			
8000 West Drive	Trash	Warning	2/20/2023				
7509 Adventure Ave	Bulk Trash	Warning	2/21/2023				
7922 East Drive	Prohibited Sign	Warning	2/21/2023				
7533 Adventure Ave	WWP	Citation	2/21/2023		$250.00		
1580 S Treasure Drive	Noise	Citation	2/21/2023		$250.00		
7904 West Drive #517	WWP	Citation	2/21/2023		$250.00		
1666 Kennedy Cswy #607	BTR	Warning	2/22/2023				
1666 Kennedy Cswy #200	BTR	Warning	2/22/2023				
1666 Kennedy Cswy #412	BTR	Warning	2/22/2023				
1666 Kennedy Cswy #600	BTR	Warning	2/22/2023				
1666 Kennedy Cswy #208	BTR	Warning	2/22/2023				
7601 E Treasure Dr #CU9	BTR	Warning	2/22/2023				
7601 E Treasure Dr #CU6	BTR	Warning	2/22/2023				
7505 Bounty Ave	Special Magistrate	Order	2/22/2023		$1,100.00		
7505 Bounty Ave	Special Magistrate	Order	2/22/2023		$1,125.00		
1666 Kennedy Cswy #409	BTR	Waq	2/22/2023				
7601 E Treasure Dr #21B	BTR	Warning	2/23/2023				
7529 Mutiny Ave	WWP	Citation	2/23/2023		$250.00		
7529 Mutiny Ave	Noise	Citation	2/23/2023		$250.00		
Treasure Island	(7) Prohibited Signs	Removed	2/25/2023				
1440 S Treasure Drive	Open/Unsecured	Warning	2/28/2023				
Treasure Island	Derelict Vehicle	Warning	2/28/2023				
(12) Lien Searches							
				$1,200.00	$7,875.00		
	Code	**Statistics**	**Mar-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1681 Kennedy Cswy	Bulk Trash	Warning	3/2/2023				
7928 West Drive #510	Operating/Advertising	Warning	3/2/2023				
1601-1647 N Treasure Dr	Special Magistrate	Order	3/3/2023		$4,000.00		

7901 Hispanola Ave	Trash	Citation	3/3/2023		$200.00		
7533 Mutiny Ave	Noise	Warning	3/4/2023				
7549 Bounty Ave	WWP	Citation	3/4/2023	$250.00			
7600 Miami View Drive	Noise	Warning	3/4/2023				
7431 Coquina Drive	WWP	Citation	3/4/2023	$250.00			
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
7910 West Drive (Marina)	BTR	Warning	3/6/2023				
1666 Kennedy Cswy #400	BTR	Warning	3/7/2023				
1681 Kennedy Cswy	BTR	Warning	3/7/2023				
7525 E Treasure Drive	BTR	Warning	3/7/2023				
7549 Bounty Ave	WWP	Citation	3/7/2023		$250.00		
7545 E Treasure Drive #8A	WWP	Citation	3/8/2023	$250.00			
7931 East Drive	Trash	Citation	3/9/2023	$200.00			
1624 Kennedy Cswy	WWP	Citation	3/8/2023				
7910 West Drive #104	WWP	Citation	3/10/2023		$250.00		
7510 Coquina Drive	Parking Standards	Warning	3/11/2023				
7800 Beach View Drive	Parking Standards	Warning	3/11/2023				
8000 West Drive	Trash	Warning	3/14/2023				
7545 E Treasure Drive	Trash	Warning	3/14/2023				
7601 E Treasure Drive	Trash	Warning	3/14/2023				
1755 Kennedy Causeway	Property Maintenance	Warning	3/14/2023				
7920 East Drive	Bulk Trash	Warning	3/14/2023				
7529 Mutiny Ave	Blocking ROW	Warning	3/15/2023				
7925 West Drive	Trash	Warning	3/15/2023				
7509 Mutiny Ave	Noise	Warning	3/15/2023	$250.00			
7601 E Treasure Drive	Illicit Discharge	Warning	3/15/2023	$250.00			
1800 S Treasure Drive	Operating/Advertising	Warning	3/16/2023				
7601 E Treasure Dr #101	BTR	Warning	3/16/2023				
7545 E Treasure Dr #8A	WWP	Citation	3/16/2023		$250.00		
1624 Kennedy Cswy	WWP	Citation	3/16/2023		$250.00		
7601 E Treasure Dr #CU3	BTR	Warning	3/16/2023				
7533 Adventure Ave	Special Magistrate	Order	3/16/2023		$2,500.00		
7601 E Treasure Dr #CU14	BTR	Warning	3/16/2023				
7601 E Treasure Dr #CU19	BTR	Warning	3/16/2023				
7509 Mutiny Ave	Noise	Citation	3/18/2023	$500.00			
7940 West Drive	Noise	Citation	3/18/2023	$250.00			
7421 Center Bay Drive	WWP	Citation	3/18/2023	$250.00			
1624 Kennedy Causeway	Noise	Citation	3/18/2023	$250.00			
1321 Bay Terrace	Bulk Trash	Warning	3/20/2023				

7509 Mutiny Ave	Noise	Warning	3/20/2023				
1480 S Treasure Drive	Noise	Warning	3/20/2023				
7545 W Treasure Drive	Noise	Citation	3/20/2023		$250.00		
7509 Mutiny Ave	Noise	Citation	3/20/2023		$500.00		
1624 Kennedy Causeway	Noise	Citation	3/20/2023		$250.00		
1750 S Treasure Drive	Bulk Trash	Warning	3/21/2023				
8020 East Drive #112	Noise	Warning	3/21/2023				
1800 S Treasure Dr #3H	Noise	Warning	3/21/2023				
7525 Buccaneer Ave	Noise	Warning	3/21/2023				
7921 East Drive	Bulk Trash	Warning	3/21/2023				
7501 E Treasure Drive	Noise	Warning	3/21/2023				
7548 Adventure Ave	Trash	Warning	3/21/2023				
7431 Coquina Drive	WWP	Citation	3/22/2023		$250.00		
7531 Beach View Drive	Noise	Citation	3/22/2023		$250.00		
7922 East Drive	Zoning Violation	Warning	3/22/2023				
1570 S Treasure Drive	WWP	Citation	3/22/2023	$250.00			
7940 West Drive	Noise	Citation	3/22/2023		$250.00		
7508 W Treasure Drive	Trash	Warning	3/23/2023				
7516 W Treasure Drive	Trash	Warning	3/23/2023				
7553 W Treasure Drive	Landscape	Warning	3/23/2023				
7501 Adventure Ave	Landscape	Citation	3/24/2023		$200.00		
7501 Adventure Ave	Landscape	Citation	3/24/2023		$250.00		
7511 Coquina Drive	Noise	Citation	3/25/2023	$250.00			
7945 East Drive #207	WWP	Citation	3/25/2023	$250.00			
1540 S Treasure Drive	Trash Cans	Warning	3/25/2023				
7801 Center Bay Drive	Noise	Warning	3/27/2023				
7511 Coquina Drive	Trash	Warning	3/27/2023				
7421 Miami View Drive	WWP	Citation	3/28/2023	$250.00			
7921 East Drive	Bulk Trash	Warning	3/29/2023				
7929 West Drive	Bulk Trash	Warning	3/29/2023				
7513 Bounty Ave	WWP	Citation	3/30/2023	$250.00			
1620 N Treasure Drive	WWP	Citation	3/31/2023	$250.00			
7910 Harbor Island Dr #1103	WWP	Citation	3/31/2023	$250.00			
7601 E Treasure Dr #1717	Noise	Citation	3/31/2023	$250.00	$250.00		
7801 Miami View Drive	Parking Standards	Warning	3/31/2023				
(38) Lien Searches							
				$4,700.00	$10,150.00		

	Code	**Statistics**	**Apr-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7510 Beach View Drive	Noise	Warning	4/1/2023				
7541 Mutiny Ave	WWP	Citation	4/1/2023	$250.00			
7537 Mutiny Ave	Noise	Citation	4/1/2023	$250.00			

1345 Kennedy Cswy	Graffiti	Warning	4/3/2023				
7910 Harbor Island Dr #1103	WWP	Citation	4/4/2023		$250.00		
7700 Center Bay Drive	Landscape	Warning	4/4/2023				
7929 West Drive	Bulk Trash	Warning	4/4/2023				
8000 West Drive	Noise	Warning	4/4/2023				
7548 Adventure Ave	Trash	Warning	4/5/2023				
1601 Kennedy Cswy	Derelict Vehicle	Warning	4/5/2023				
Harbor Island	Prohibited Sign	Removed	4/5/2023				
Treasure Island	Prohibited Sign	Removed	4/5/2023				
8000 West Drive	Noise	Citation	4/6/2023	$250.00			
7601 E Treasure Drive	Illicit Discharge	Citation	4/7/2023		$250.00		
7541 Mutiny Ave	Noise	Citation	4/7/2023		$250.00		
7553 W Treasure Drive	Landscape	Citation	4/8/2023	$200.00			
7501 E Treasure Drive	Noise	Citation	4/12/2023		$250.00		
1800 Kennedy Cswy	Building Certification	Warning	4/14/2023				
1820 S Treasure Drive	Building Certification	Warning	4/14/2023				
1850 S Treasure Drive	Building Certification	Warning	4/14/2023				
1790 Kennedy Cswy	Building Certification	Warning	4/14/2023				
1780 Kennedy Cswy	Building Certification	Warning	4/14/2023				
1770 Kennedy Cswy	Building Certification	Warning	4/14/2023				
1601-1647 N Treasure Drive	Building Certification	Warning	4/14/2023				
1819-1855 Kennedy Cswy	Building Certification	Warning	4/14/2023				
7946 West Drive	Building Certification	Warning	4/14/2023				
7511 Coquina Drive	Noise	Citation	4/14/2023		$250.00		
1820 S Treasure Drive	Special Magistrate	Order	4/14/2023		$1,800.00		
1600 Kennedy Cswy	Property Maintenance	Warning	4/17/2023				
7548 W Treasure Drive	Construction Site Maint.	Warning	4/17/2023				
7945 East Treasure Dr #207	WWP	Citation	4/19/2023		$250.00		
1620 N Treasure Drive	WWP	Citation	4/19/2023		$250.00		
7946 East Drive	Unsafe Structure	Unsafe	4/20/2023				
Treasure Island	Prohibited Sign	Removed	4/24/2023				
Treasure Island	Prohibited Sign	Removed	4/24/2023				
7921 East Drive	Bulk Trash	Warning	4/24/2023				
7946 East Drive	Unsafe Structure	Warning	4/25/2023				
1356 Bay Terrace	Landscape	Warning	4/26/2023				
7810 Coquina Drive	Bulk Trash	Warning	4/27/2023				
7501 Adventure Ave	Landscape	Warning	4/27/2023				
7510 Coquina Drive	Bulk Trash	Warning	4/27/2023				
(13) Lien Searches							
				$950.00	$3,550.00		
	Code	**Statistics**	**May-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes

7553 Bounty Ave	Construction Site Maint.	Warning	5/1/2023				
7501 Adventure Ave	Landscape	Warning	5/1/2023				
7500 E Treasure Drive	Noise	Citation	5/1/2023	$250.00			
1700 Kennedy Cswy #136	Noise	Warning	5/2/2023				
7913 West Drive	Construction Site Maint.	Warning	5/3/2023				
1801 S Treasure Dr #526	WWP	Citation	5/4/2023	$250.00			
7711 Beach view Drive	Construction Site Maint.	Warning	5/4/2023				
7509 Mutiny Ave	Noise	Citation	5/4/2023		$250.00		
7537 Mutiny Ave	Noise	Citation	5/4/2023		$250.00		
7500 E Treasure Drive	Noise	Citation	5/4/2023		$250.00		
1570 S Treasure Drive	WWP	Citation	5/8/2023		$250.00		
7510 Beach View Drive	Property Maintenance	Warning	5/8/2023				
7441 Center Bay Drive	Bulk Trash	Warning	5/8/2023				
1755 Kennedy Cswy	Trash	Warning	5/8/2023				
1570 S Treasure Drive	Noise	Citation	5/8/2023		$100.00		
1356 Bay Terrace	Fence	Warning	5/10/2023				
7731 Coquina Drive	WWP	Citation	5/11/2023	$250.00			
1880 S Treasure Drive	WWP	Citation	5/11/2023	$250.00			
Treasure Island	Prohibited Sign	Removed	5/11/2023				
7927 East Drive	Trash	Warning	5/15/2023				
7927 East Drive	Trash	Citation	5/16/2023		$200.00		
7620 Coquina Drive	Construction Site Maint.	Warning	5/16/2023				
7401 Miami View Drive	Landscape	Warning	5/16/2023				
Treasure Island	Prohibited Sign	Removed	5/16/2023				
7700 Center Bay Drive	Landscape	Warning	5/16/2023				
7440 Miami View Drive	Bulk Trash	Warning	5/16/2023				
7525 E Treasure Dr #912	Operating/Advertising	Warning	5/16/2023				
7920 East Drive	Bulk Trash	Warning	5/16/2023				
7421 Center Bay Drive	Noise	Citation	5/17/2023		$250.00		
1480 S Treasure Drive	Bulk Trash	Warning	5/17/2023				
7904 West Drive #516	WWP	Citation	5/17/2023	$250.00			
1872 Kennedy Cswy	Graffiti	Warning	5/18/2023				
1872 Kennedy Cswy	Trash/Bulk Trash	Warning	5/18/2023				
7918 West Drive	Noise	Citation	5/19/2023		$500.00		
7621 Coquina Drive	Noise	Citation	5/20/2023	$250.00			
7904 West Drive #104	WWP	Citation	5/22/2023	$250.00			
1620 N Treasure Drive	Landscape	Warning	5/23/2023				
7513 Bounty Ave	WWP	Citation	5/25/2023		$250.00		
1801 S Treasure Dr #526	WWP	Citation	5/25/2023		$250.00		
1624 Kennedy Cswy	Bulk Trash	Warning	5/25/2023				
7401 Center Bay Drive	Blocking ROW	Warning	5/25/2023				
7904 West Drive #515	Operating/Advertising	Citation	5/25/2023	$250.00			
7904 West Drive #515	BTR	Citation	5/25/2023	$100.00			
7601 E Treasure Drive	Illicit Discharge	Citation	5/26/2023	$250.00			
7601 E Treasure Drive	Trash	Citation	5/26/2023	$200.00			
7504 W Treasure Drive	Bulk Trash	Warning	5/26/2023				

1455 N Treasure Dr #7B	Noise	Citation	5/28/2023	$250.00			
7401 Miami View Drive	Landscape	Citation	5/30/2023	$200.00			
1872 Kennedy Cswy	Landscape	Citation	5/30/2023	$200.00			
1872 Kennedy Cswy	Trash	Citation	5/30/2023	$200.00			
1820 S Treasure Drive	Special Magistrate	Order	5/30/2023		$1,600.00		
7510 Beach View Drive	Minimum Housing	Citation	5/31/2023	$250.00			
7501 E Treasure Drive	Trash	Warning	5/31/2023				
(31) Lien Searches							
				$3,650.00	$4,150.00		
	Code	**Statistics**	**Jun-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1356 Bay Terrace	Fence	Warning	6/1/2023				
7904 West Drive #515	WWP	Citation	6/1/2023		$250.00		
7904 West Drive #515	BTR	Citation	6/1/2023		$100.00		
1666 Kennedy Cswy	Noise	Warning	6/3/2023				
7545 Hispanola Ave	Noise	Citation	6/3/2023	$250.00			
8020 East Drive #214	Bulk Trash	Warning	6/3/2023				
7553 Bounty Ave	WWP	Citation	6/5/2023	$250.00			
7928 West Drive #510	Operating/Advertising	Citation	6/5/2023	$250.00			
7928 West Drive #510	BTR	Citation	6/5/2023	$100.00			
Treausre Island	Prohibited Sign	Removed	6/6/2023				
7556 Bounty Ave	Bulk Trash	Warning	6/6/2023				
8000 West Drive	Noise	Citation	6/7/2023		$250.00		
8000 West Drive	Noise	Citation	6/7/2023		$250.00		
7904 West Drive #809	WWP	Citation	6/7/2023	$250.00			
7904 West Drive #515	WWP	Citation	6/7/2023	$250.00			
7904 Wesy Drive #809	WWP	Citation	6/7/2023		$250.00		
7501 E Treasure Dr #10N	WWP	Citation	6/8/2023	$250.00			
7601 E Treasure Dr CU25	Illicit Discharge	Citation	6/8/2023		$250.00		
7601 E Treasure Drive	Trash	Citation	6/8/2023		$200.00		
7925/7927 East Drive	Landscape/Trash	Warning	6/10/2023				
7509 Mutiny Ave	Noise	Citation	6/10/2023	$250.00			
7920 East Drive	Property Maintenance	Warning	6/12/2023				
7516 W Treasure Drive	Fence Maintenance	Warning	6/12/2023				
7501 E Treasure Dr #10N	WWP	Citation	6/12/2023		$250.00		
7531 Center Bay Drive	Bulk Trash	Warning	6/13/2023				
7904 West Drive	Trash	Warning	6/13/2023				
7934 West Drive	Trash	Warning	6/13/2023				
Treasure Island	Prohibited Sign	Removed	6/13/2023				
7532 Hispanola Ave	Illicit Discharge	Warning	6/14/2023				
7920 East Drive	Illicit Discharge	Warning	6/14/2023				
1872 Kennedy Causeway	Landscape	Citation	6/16/2023		$200.00		

1872 Kennedy Causeway	Trash	Citation	6/16/2023		$200.00		
7904 West Drive #516	WWP	Citation	6/20/2023		$250.00		
7904 West Drive #903	WWP	Citation	6/22/2023	$250.00			
7553 W Treasure Drive	Landscape	Citation	6/22/2023		$200.00		
7536 Mutiny Ave	WWP	Citation	6/22/2023	$250.00			
1540 S Treasure Drive	Operating/Advertising	Warning	6/23/2023				
7553 W Treasure Drive	WWP	Citation	6/23/2023	$250.00			
1440 S Treasure Drive	Noise	Warning	6/24/2023				
7500 Beach View Drive	Bulk Trash	Warning	6/24/2023				
7509 Mutiny Ave	Noise	Citation	6/26/2023		$500.00		
7410 Beach View Drive	Stagnant Water	Warning	6/26/2023				
7509 Mutiny Ave	Noise	Citation	6/26/2023		$500.00		
7801 Center Bay Drive	Construction Site Maint.	Warning	6/26/2023				
1356 Bay Terrace	Landscape / Fence	Warning	6/26/2023				
7421 Miami View Drive	WWP	Citation	6/28/2023		$250.00		
1508 Kennedy Causeway	WWP	Citation	6/28/2023	$250.00			
7921 East Drive	Bulk Trash	Warning	6/29/2023				
7920 East Drive	Bulk Trash	Warning	6/29/2023				
7928 West Drive #510	Operating/Advertising	Citation	6/29/2023	$250.00			
7928 West Drive #510	BTR	Citation	6/29/2023	$100.00			
(45) Lien Searches							
				$3,200.00	$3,900.00		

	Code	**Statistics**	**Jul-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7532 Hispanola Ave	Landscape	Warning	7/1/2023				
1800 Kennedy Cswy #301A	Noise	Citation	7/1/2023	$250.00			
1800 Kennedy Cswy #301A	WWP	Citation	7/1/2023	$250.00			
7520 Coquina Drive	Noise	Warning	7/1/2023				
7536 Mutiny Ave	Noise	Warning	7/1/2023				
7537 Buccaneer Ave	Prohibited Signs	Warning	7/1/2023				
7544 Buccaneer Ave	Noise	Warning	7/1/2023				
Harbor Island	Prohibited Sign	Removed	7/3/2023				
1601 Kennedy Cswy	Graffiti	Warning	7/5/2023				
1400 Kennedy Cswy	Bulk Trash	Warning	7/5/2023				
1872 Kennedy Cswy	Trash	Warning	7/5/2023				
7544 Buccaneer Ave	WWP	Citation	7/5/2023	$250.00			
7400 Coquina Drive	Trash	Warning	7/5/2023				
7940 West Drive	Fence Maintenance	Citation	7/6/2023		$200.00		
7621 Coquina Drive	Noise	Citation	7/6/2023		$250.00		
7938 West Drive	Landscape	Citation	7/6/2023		$200.00		
7940 West Drive	Landscape	Citation	7/6/2023		$400.00		
1820 S Treasure Drive	WWP	Citation	7/10/2023	$250.00			

7500 Center Bay Drive	Construction Site Maint.	Warning	7/10/2023				
1356 Bay Terrace	Bulk Trash	Warning	7/10/2023				
7801 Beach View Drive	Bulk Trash	Warning	7/10/2023				
7545 Hispanola Ave	Noise	Citation	7/10/2023		$250.00		
7517 Bounty Ave	Special Magistrate	Order	7/11/2023		$1,400.00		
7500 Bounty Ave	Vessel Violation	Warning	7/11/2023				
Treasure Island	Derelict Vehicle	Warning	7/11/2023				
1800 S Treasure Drive	Bulk Trash	Warning	7/12/2023				
1790 Kennedy Cswy #B112	WWP	Citation	7/12/2023	$250.00			
1755 Kennedy Cswy	WWP	Citation	7/12/2023	$250.00			
7937 West Drive	WWP	Citation	7/13/2023	$250.00			
7927 East Drive	Landscape	Citation	7/13/2023	$200.00			
7915 East Drive	Blocking ROW	Warning	7/13/2023				
1790 Kennedy Cswy #B112	WWP	Citation	7/13/2023		$250.00		
7510 Coquina Drive	Noise	Citation	7/15/2023	$250.00		Yes	(1) of (3)
7525 Adventure Ave	Noise	Citation	7/15/2023	$250.00			
7731 Coquina Drive	WWP	Citation	7/14/2023		$250.00		
7904 West Drive #602	WWP	Citation	7/17/2023	$250.00			
7401 Miami View Drive	Landscape	Warning	7/17/2023				
7525 Adventure Ave	Noise	Citation	7/17/2023		$250.00		
1508 Kennedy Cswy	WWP	Citation	7/18/2023		$250.00		
7904 West Drive #515	WWP	Citation	7/19/2023		$250.00		
7801 Miami View Drive	WWP	Citation	7/20/2023	$250.00		Yes	(1) of (3)
7937 West Drive	WWP	Citation	7/20/2023		$250.00		
7410 Beach View Drive	Stagnant Water	Warning	7/20/2023				
1872 Kennedy Cswy	WWP	Citation	7/20/2023	$250.00			
1657 N Treasure Drive	WWP	Citation	7/22/2023	$250.00			
Harbor Island	Prohibited Signs	Removed	7/22/2023				
1440 S Treasure Drive	Noise	Citation	7/22/2023	$250.00			
7536 Adventure Ave	Noise	Citation	7/24/2023	$250.00		Yes	(1) of (3)
1657 N Treasure Drive	WWP	Citation	7/24/2023		$250.00		
Harbor Island	Derelict Vehicle	Warning	7/24/2023				
7536 Adventure Ave	Noise	Citation	7/24/2023		$250.00		
7601 E Treasure Dr #1816	Noise	Citation	7/25/2023		$250.00		
7525 E Treasure Drive	Bulk Trash	Warning	7/25/2023				
1872 Kennedy Cswy	Trash	Citation	7/26/2023		$200.00		
7544 Buccaneer Ave	WWP	Citation	7/26/2023		$250.00		
1872 Kennedy Cswy	WWP	Citation	7/26/2023		$250.00		
7601 E Treasure Dr PH215	Noise	Citation	7/27/2023		$250.00		
1780 Kennedy Cswy	Special Magistrate	Citation	7/28/2023		$1,700.00		
7918 West Drive	Noise	Citation	7/28/2023	$750.00			
1800 S Treasure Drive	Bulk Trash	Warning	7/31/2023				
(84) Lien Searches							
				$4,700.00	$7,600.00		

	Code	Statistics	Aug-23	$	$	X	X
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1356 Bay Terrace	Bulk Trash	Warning	8/1/2023				
7525 E Treasure Drive	Bulk Trash	Warning	8/1/2023				
1755 79 Street Cswy	WWP	Citation	8/1/2023		$250.00		
7801 Miami View Drive	WWP	Citation	8/1/2023		$250.00		
7560 W Treasure Drive	WWP	Citation	8/2/2023	$250.00			
7560 W Treasure Drive	Trash	Warning	8/2/2023				
1357 Bay Terrace	WWP	Warning	8/2/2023				
7731 Coquina Drive	Noise	Warning	8/3/2023				
7830 Miami View Drive	Noise	Citation	8/3/2023	$250.00			
7910 West Drive	Bulk Trash	Warning	8/3/2023				
Treasure Island	Handbills	Warning	8/3/2023				
7525 E Treasure Drive	Bulk Trash	Warning	8/3/2023				
1790 S Treasure Drive	Prohibited Sign	Warning	8/3/2023				
7501 Center Bay Drive	Bulk Trash	Warning	8/3/2023				
7410 Beach View Drive	Landscaping	Warning	8/4/2023				
1470 S Treasure Drive	WWP	Citation	8/4/2023				
7525 Hispanola Ave	Noise	Warning	8/5/2023				
7420 Beach View Drive	WWP	Citation	8/5/2023	$250.00			
7904 West Drive #903	WWP	Citation	8/7/2023		$250.00		
1872 Kennedy Cswy	Construction Site Maint.	Warning	8/8/2023				
Treasure Island	Prohibited Sign	Removed	8/8/2023				
7525 E Treasure Drive	Bulk Trash	Warning	8/8/2023				
7536 Mutiny Ave	Bulk Trash	Warning	8/8/2023				
1600 Kennedy Cswy	Trash	Warning	8/9/2023				
1872 Kennedy Cswy	Fence	Warning	8/10/2023				
1480 S Treasure Drive	Blocking ROW	Warning	8/11/2023				
7918 West Drive	Noise	Citation	8/11/2023		$750.00		
7529 Hispanola Ave	Noise	Warning	8/12/2023				
7700 Beach View Drive	Noise	Warning	8/12/2023				
7532 Hispanola Ave	WWP	Citation	8/18/2023	$250.00			
7600 Beach View Drive	Landscape	Warning	8/19/2023				
Treasure Island	Derelict Vehicle	Warning	8/21/2023				
7904 West Drive #609	Minimum Housing	Warning	8/21/2023				
7631 Miami View Drive	Construction Site Maint.	Warning	8/22/2023				
1550 Kennedy Cswy	Property Maintenance	Warning	8/22/2023				
7410 Beach View Drive	Pool Violation	Warning	8/22/2023				
7420 Beach View Drive	WWP	Citation	8/22/2023		$250.00		
Treasure Island	Prohibited Sign	Removed	8/23/2023				
7513 Bounty Ave	Special Magistrate	Order	8/23/2023		$250.00		
1865 Kennedy Cswy #9i	WWP	Citation	8/24/2023	$250.00			
1601 Kennedy Cswy	Open/Unsecured	Warning	8/24/2023				

7560 W Treasure Drive	WWP	Citation	8/24/2023		$250.00		
7510 Coquina Drive	Noise	Citation	8/24/2023		$250.00		
7700 Center Bay Drive	Construction Site Maint.	Warning	8/25/2023				
7548 W Treasure Drive	Construction Site Maint.	Warning	8/26/2023				
7600 Coquina Drive	Trash Cans	Warning	8/26/2023				
7510 Coquina Drive	Trash Cans	Warning	8/26/2023				
7530 Coquina Drive	Trash Cans	Warning	8/26/2023				
7601 Coquina Drive	Trash Cans	Warning	8/26/2023				
7711 Coquina Drive	Trash Cans	Warning	8/26/2023				
7731 Coquina Drive	Trash Cans	Warning	8/26/2023				
7721 Beach View Drive	Trash Cans	Warning	8/26/2023				
7801 Miami View Drive	Trash Cans	Warning	8/26/2023				
7536 Mutiny Ave	WWP	Citation	8/28/2023		$250.00		
1881 Kennedy Cswy #401	Noise	Citation	8/28/2023		$250.00		
Treasure Island	Prohibited Sign	Removed	8/29/2023				
7537 Adventure Ave	Trash/Bulk Trash	Warning	8/29/2023				
1880 S Treasure Dr #1K	Minimum Housing	Warning	8/29/2023				
7400 Center Bay Drive	Bulk Trash	Warning	8/29/2023				
7421 Miami View Drive	Bulk Trash	Warning	8/29/2023				
Treasure Island	Prohibited Sign	Removed	8/30/2023				
1701 N Treasure Drive	Property Maintenance	Warning	8/31/2023				
(39) Lien Searches							
				$1,250.00	$3,000.00		

	Code	**Statistics**	**Sep-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7711 Coquina Drive	Trash Cans	Citation	9/1/2023	$200.00			
7530 Coquina Drive	Trash Cans	Citation	9/3/2023	$200.00			
Treasure Island	Derelict/Dead Storage	Warning	9/5/2023				
7509 Mutiny Ave	Prohibited Sign	Warning	9/5/2023				
1356 Bay Terrace	Bulk Trash	Warning	9/7/2023				
7524 W Treasure Drive	Fence Mesh	Warning	9/7/2023				
7516 W Treasure Drive	Fence Mesh	Warning	9/7/2023				
1701 S Treasure Drive	Leaf Blower	Warning	9/7/2023				
7536 Mutiny Ave	Noise	Warning	9/7/2023				
7516 Bounty Ave	Landscape	Warning	9/7/2023				
7934 West Drive #1001	Noise	Citation	9/9/2023	$250.00			
Treasure Island	Prohibited Sign	Removed	9/11/2023				
Treasure Island	Prohibited Sign	Removed	9/11/2023				
1865 Kennedy Cswy	Trash	Citation	9/11/2023	$200.00			
8000 West Drive	Leaf Blower	Warning	9/11/2023				
8000 West Drive	Noise	Citation	9/11/2023	$250.00			
1470 S Treasure Drive	ROW Trash	Warning	9/12/2023				

7410 Beach View Drive	Pool Violation	Citation	9/12/2023				
7530 Coquina Drive	Bulk Trash	Warning	9/12/2023				
1865 Kennedy Cswy	Trash Violation	Citation	9/12/2023	$200.00			
7711 Coquina Drive	Trash Cans	Citation	9/14/2023		$200.00		
7700 Coquina Drive	Bulk Trash	Warning	9/18/2023				
1641 S Treasure Drive	Blockin ROW Hedges	Warning	9/18/2023				
7601 E Treasure Drive	Trash Violation	Citation	9/18/2023	$200.00			
7510 Beach View Drive	Landscape	Warning	9/18/2023				
7701 Miami View Drive	Noise	Warning	9/19/2023				
1805 Galleon Street	Bulk Trash	Warning	9/19/2023				
Treasure Island	Derelict/Dead Storage	Warning	9/20/2023				
1580 S Treasure Drive	Bulk Trash	Warning	9/20/2023				
7528 W Treasure Drive	Construction Site Maint.	Warning	9/20/2023				
7711 Beach View Drive	Noise	Warning	9/20/2023				
7800 Miami View Drive	Bulk Trash	Warning	9/21/2023				
1865 Kennedy Cswy	Trash Violation	Warning	9/22/2023				
1440 Kennedy Cswy #1406	BTR	Warning	9/22/2023				
7521 Beach View Drive	WWP	Warning	9/25/2023				
1624 Kennedy Cswy	Noise	Citation	9/26/2023		$250.00		
7934 West Drive	Knox Box	Warning	9/26/2023				
1830 S Treasure Drive	Knox Box	Warning	9/26/2023				
1865 Kennedy Cswy	Trash Violation	Citation	9/29/2023		$200.00		
7830 Miami View Drive	Special Magistrate	Order	9/29/2023		$325.00		
7420 Beach View Drive	Noise	Warning	9/30/2023				
(28) Lien Searches							
				$1,500.00	$975.00		
	Code	**Statistics**	**Oct-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
1830 S Treasure Drive	Knox Box	Warning	10/2/2023				
7560 W Treasure Drive	Landscape	Warning	10/2/2023				
7801 Center Bay Drive	Construction Site Maint.	Warning	10/2/2023				
7420 Beach View Drive	Noise	Warning	10/2/2023				
1441 S Treasure Drive	Bulk Trash	Warning	10/3/2023				
7901 Hispanola Ave	Leaf Blower	Warning	10/3/2023				
1600 Kennedy Cswy	Shopping Carts	Warning	10/3/2023				
Treasure Island	Dead Storage	Warning	10/3/2023				
1701 Hispanola Ave	Hedges	Warning	10/3/2023				
7420 Beach View Drive	WWP	Warning	10/4/2023				
1770 Kennedy Cswy	Minimum Housing	Warning	10/9/2023				
7623 Beach View Drive	Noise	Warning	10/9/2023				
1681 Kennedy Cswy	WWP	Citation	10/9/2023	$250.00			
7601 E Treasure Drive	Trash	Citation	10/9/2023		$200.00		

7701 Beach View Drive	WWP	Citation	10/10/2023	$250.00			
7401 Beach View Drive	Construction Site Maint.	Warning	10/10/2023				
1872 Kennedy Cswy	Noise	Warning	10/10/2023				
7621 Coquina Drive	Construction Site Maint.	Warning	10/11/2023				
1671 S Treasure Drive	Trash Cans	Warning	10/12/2023				
1471 S Treasure Drive	Landscape	Warning	10/13/2023				
7540 Hispanola Ave	Landscape	Warning	10/13/2023				
1670 S Treasure Drive	Landscape	Warning	10/13/2023				
1471 S Treasure Drive	Landscape	Warning	10/13/2023				
7540 Hispanola Ave	Landscape	Warning	10/13/2023				
1670 S Treasure Drive	Landscape	Warning	10/13/2023				
1440 S Treasure Drive	Noise	Citation	10/16/2023		$250.00		
1440 S Treasure Drive	WWP	Citation	10/16/2023		$250.00		
1440 S Treasure Drive	WWP	Citation	10/16/2023		$250.00		
1872 Kennedy Cswy	Landscape	Warning	10/16/2023				
7528 Mutiny Ave	Bulk Trash	Warning	10/16/2023				
7931 East Drive	Bulk Trash	Warning	10/16/2023				
7941 East Drive	Bulk Trash	Warning	10/16/2023				
1440 S Treasure Drive	WWP	Citation	10/16/2023		$250.00		
1440 S Treasure Drive	Special Magistrate	Order	10/16/2023		$3,100.00		
1681 Kennedy Cswy	WWP	Citation	10/18/2023		$250.00		
7525 Adventure Ave	Bulk Trash	Warning	10/19/2023				
7557 Mutiny Ave	Noise	Citation	10/21/2023	$250.00			
7536 Mutiny Ave	Bulk Trash	Warning	10/21/2023				
1865 Kennedy Cswy	Trash	Citation	10/23/2023	$200.00			
7557 Mutiny Ave	Noise	Citation	10/23/2023		$250.00		
7700 Center Bay Drive	Construction Site Maint.	Warning	10/24/2023				
7623 Beach View Drive	Noise	Citation	10/24/2023	$250.00			
1800/1790 Kennedy Cswy	Property Maintenance	Warning	10/24/2023				
7701 Beach View Drive	WWP	Citation	10/24/2023		$250.00		
8000 West Drive	Noise	Citation	10/25/2023		$250.00		
7525 Adventure Ave	Bulk Trash	Warning	10/26/2023				
1750 S Treasure Drive	Bulk Trash	Warning	10/26/2023				
7525 Adventure Ave	Bulk Trash	Citation	10/27/2023	$200.00			
7904 West Drive #602	WWP	Citation	10/27/2023		$250.00		
7504 W Treasure Drive	Noise	Citation	10/28/2023	$250.00		Yes	
7504 W Treasure Drive	Noise	Citation	10/28/2023	$500.00		Yes	
1865 Kennedy Cswy	Trash Violation	Citation	10/30/2023		$200.00		
(16) Lien Searches							
				$2,150.00	$5,750.00		

	Code	**Statistics**	**Nov-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes

1872 Kennedy Cswy	Construction Site Maint	Warning	11/1/2023				
1700 Kennedy Cswy	Leaf Blowers	Warning	11/1/2023				
1815 Galleaon Street	Bulk Trash	Warning	11/1/2023				
1540 N Treasure Drive	Hedges	Warning	11/2/2023				
7516 W Treasure Drive	Open/Unsecure	Warning	11/4/2023				
7631 Miami View Drive	Noise	Warning	11/4/2023				
7520 W Treasure Drive	WWP	Citation	11/4/2023	$250.00			
7920 East Drive	Bulk Trash	Warning	11/7/2023				
7510 Coquina Drive	Leaf Blower	Warning	11/7/2023				
7544 Mutiny Ave	Fence	Warning	11/8/2023				
1666 Kennedy Cswy	Bulk Trash	Warning	11/8/2023				
7420 Beach View Drive	Noise	Warning	11/8/2023				
7801 Center Bay Drive	Landscape	Citation	11/9/2023	$200.00			
1670 S Treasure Drive	Landscape	Citation	11/9/2023	$200.00			
7420 Beach View Drive	Noise	Citation	11/9/2023	$250.00			
7420 Beach View Drive	Noise	Citation	11/9/2023	$500.00			
7516 W Treasure Drive	Landscape	Warning	11/9/2023				
1670 S Treasure Drive	Landscape/Trash	Citation	11/9/2023	$200.00			
1630 S Treasure Drive	Landscape	Warning	11/11/2023				
7525 Adventure Ave	Trash	Citation	11/13/2023		$200.00		
1630 S Treasure Drive	Vacant Lot Fee	Warning	11/13/2023				
7524 W Treasure Drive	Vacant Lot Fee	Warning	11/13/2023				
1725 Kennedy Cswy	Vacant Lot Fee	Warning	11/13/2023				
1801 S Treasure Drive	Bulk Trash	Warning	11/13/2023				
1555 Kennedy Cswy	Vacant Lot Fee	Warning	11/13/2023				
23-3209-000-0020	Vacant Lot Fee	Warning	11/13/2023				
7401 Beach View Drive	Vacant Lot Fee	Warning	11/13/2023				
23-3209-001-0270	Vacant Lot Fee	Warning	11/13/2023				
23-3209-001-0250	Vacant Lot Fee	Warning	11/13/2023				
7922 East Drive	Vacant Lot Fee	Warning	11/13/2023				
7938 West Drive	Vacant Lot Fee	Warning	11/13/2023				
7940 West Drive	Vacant Lot Fee	Warning	11/13/2023				
23-3209-001-0013	Vacant Lot Fee	Warning	11/13/2023				
23-3209-008-1200	Vacant Lot Fee	Warning	11/13/2023				
23-3209-008-1210	Vacant Lot Fee	Warning	11/13/2023				
1356 Bay Terrace	Vacant Lot Fee	Warning	11/13/2023				
7731 Miami View Drive	Vacant Lot Fee	Warning	11/13/2023				
7508 W Treasure Drive	Vacant Lot Fee	Warning	11/13/2023				
7516 W Treasure Drive	Vacant Lot Fee	Warning	11/13/2023				
1670 S Treasure Drive	Vacant Lot Fee	Warning	11/13/2023				
7820 Miami View Drive	WWP	Citation	11/14/2023	$250.00			
7801 Center Bay Drive	Landscape	Citation	11/14/2023	$200.00			
8010 East Drive #209	WWP	Citation	11/14/2023		$200.00		
8020 East Drive #218	WWP	Citation	11/14/2023		$700.00		
1801 S Treasure Dr #526	Special Magistrate	Order	11/14/2023		$425.00		
7945 East Drive #207	Special Magistrate	Order	11/14/2023		$1,000.00		

1600 Kennedy Cswy	Trash	Warning	11/15/2023				
7505 Adventure Ave	WWP	Citation	11/16/2023	$250.00			
7918 West Drive	Prohibited Sign	Warning	11/16/2023				
1666 Kennedy Cswy	Trash	Warning	11/16/2023				
7511 Center Bay Drive	Blocking ROW	Warning	11/16/2023				
7441 Coquina Drive	Fence Mesh	Warning	11/16/2023				
7548 W Treasure Drive	Fence	Warning	11/16/2023				
7524 W Treasure Drive	Fence	Warning	11/16/2023				
7516 W Treasure Drive	Fence Mesh	Warning	11/16/2023				
7524 W Treasure Drive	Vacant Lot Fee	Citation	11/17/2023		$250.00		
7920 East Drive	Landscape	Warning	11/17/2023				
7925 East Drive	Vacant Lot Fee	Citation	11/17/2023		$250.00		
7923 East Drive	Vacant Lot Fee	Citation	11/17/2023		$250.00		
7922 East Drive	Vacant Lot Fee	Citation	11/17/2023		$250.00		
1725 Kennedy Cswy	Vacant Lot Fee	Citation	11/20/2023		$250.00		
23-3209-008-1200	Vacant Lot Fee	Citation	11/20/2023		$250.00		
7600 Beach View Drive	Landscape	Warning	11/21/2023				
7701 Beach View Drive	Construction Site Maint	Warning	11/21/2023				
7711 Beach View Drive	Construction Site Maint	Warning	11/21/2023				
7820 Miami View Drive	WWP	Citation	11/21/2023		$250.00		
1356 Bay Terrace	Vacant Lot Fee	Warning	11/21/2023		$250.00		
7516 W Treasure Drive	Vacant Lot Fee	Warning	11/21/2023		$250.00		
7420 Beach View Drive	Noise	Citation	11/22/2023		$500.00		
7420 Beach View Drive	Noise	Citation	11/22/2023		$250.00		
7801 Center Bay Drive	Landscape	Citation	11/27/2023		$200.00		
7401 Beach View Drive	Vacant Lot Fee	Warning	11/28/2023		$250.00		
7938 West Drive	Vacant Lot Fee	Warning	11/28/2023		$250.00		
7940 West Drive	Vacant Lot Fee	Warning	11/28/2023		$250.00		
7701 Beach View Drive	Construction Site Maint.	Citation	11/27/2023	$250.00			
1872 Kennedy Cswy	Fence Mesh	Warning	11/28/2023				
1601 Kennedy Cswy	Open/Unsecure	Warning	11/28/2023				
7901 Hispanola Ave	Sign Maintenance	Warning	11/29/2023				
8000 West Drive	Bulk Trash	Warning	11/30/2023				
(20) Lien Searches							
				$2,550.00	$6,475.00		

	Code	**Statistics**	**Dec-23**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7537 Adventure Ave	Bulk Trash	Warning	12/1/2023				
7910 West Drive	WWP	Citation	12/2/2023	$250.00			
7600 Miami View Drive	Noise	Warning	12/2/2023				
7508 W Treasure Drive	Fence	Warning	12/4/2023				
1665 Kennedy Cswy	Commercial Vehicle	Warning	12/4/2023				

7508 W Treasure Drive	Vacant Lot Fee	Warning	12/5/2023		$250.00		
7601 Coquina Drive	Bulk Trash	Warning	12/6/2023				
7915 East Drive	Operating/Advertising	Warning	12/6/2023				
1800 Kennedy Cswy #111	WWP	Citation	12/6/2023	$250.00			
7904 West Drive #515	Operating/Advertising	Citation	12/7/2023	$500.00			
7904 West Drive #515	BTR	Citation	12/7/2023	$100.00			
1670 S Treasure Drive	Vacant Lot Fee	Warning	12/7/2023		$250.00		
23-3209-008-1210	Vacant Lot Fee	Warning	12/7/2023		$250.00		
7537 Buccaneer Ave	Bulk Trash	Warning	12/11/2023				
23-3209-001-0013	Vacant Lot Fee	Warning	12/11/2023		$250.00		
8000 East Drive	Bulk Trash	Warning	12/12/2023				
7520 W Treasure Drive	WWP	Citation	12/12/2023		$250.00		
1800 Kennedy Cswy #A111	WWP	Citation	12/12/2023		$250.00		
7801 Center Bay Drive	Open Unsecure	Warning	12/14/2023				
7801 Center Bay Drive	Pool Violation	Warning	12/14/2023				
1353 Bay Terrace	Operating/Advertising	Warning	12/18/2023				
7505 Adventure Ave	Operating/Advertising	Warning	12/18/2023				
1555 Kennedy Cswy	Vacant Lot Fee	Warning	12/18/2023		$250.00		
23-3209-000-0020	Vacant Lot Fee	Warning	12/18/2023		$250.00		
7800 Beach View Drive	Bulk Trash	Warning	12/19/2023				
7700 Center Bay Drive	Construction Site Maint.	Warning	12/19/2023				
7516 W Treasure Drive	Construction Site Maint.	Warning	12/19/2023				
1500 S Treasure Drive	Bulk Trash	Warning	12/19/2023				
7530 Coquina Drive	WWP	Citation	12/21/2023	$250.00			
7911 East Drive	Minimum Housing	Warning	12/21/2023				
7601 E Treasure Drive	WWP	Citation	12/26/2023	$250.00			
1460 S Treasure Drive	WWP	Citation	12/26/2023	$250.00			
7910 West Drive	WWP	Citation	12/27/2023		$250.00		
7904 West Drive	Trash Violation	Warning	12/28/2023				
7601 E Treasure Drive	Minimum Housing	Warning	12/28/2023				
1601-47 N Treasure Drive	Trash Violation	Warning	12/29/2023				
(36) Lien Searches							
				$1,850.00	$2,250.00		

	Code	**Statistics**	**Jan-24**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7711 Beach View Drive	Blocking ROW	Warning	1/2/2024				
1801 S Treasure Drive #314	Noise	Warning	1/2/2024				
1872 Kennedy Cswy	WWP	Warning	1/2/2024				
1500 Kennedy Cswy	Landscape	Warning	1/2/2024				
7904 West Drive #515	BTR	Citation	1/3/2024		$100.00		
7904 West Drive #515	Operating/Advertising	Citation	1/3/2024		$500.00		
7501 E Treasure Drive #3EF	Special Magistrate	Order	1/4/2024		$1,200.00		

7700 Miami View Drive	Trash Violation	Warning	1/4/2024				
7528 Bounty Ave	Bulk Trash	Warning	1/5/2024				
7520 W Treasure Drive	Noise	Warning	1/5/2024				
7532 Bounty Ave	Blocking ROW	Warning	1/5/2024				
7520 W Treasure Drive	Bulk Trash	Warning	1/5/2024				
7520 W Treasure Drive	WWP	Citation	1/5/2024	$250.00			
1880 S Treasure Drive #2F	WWP	Citation	1/8/2024	$250.00			
1625 Kennedy Cswy	Knox Box	Warning	1/8/2024				
7801 Center Bay Drive	Construction Site Maint.	Warning	1/8/2024				
7801 Hispanola Ave	Bulk Trash	Warning	1/8/2024				
1460 S Treasure Drive	WWP	Citation	1/8/2024		$250.00		
7920 East Drive	Bulk Trash	Warning	1/9/2024				
7918 West Drive	Graffiti	Warning	1/8/2024				
7541 W Treasure Drive	Bulk Trash	Warning	1/9/2024				
7508 W Treasure Drive	Construction Site Maint.	Warning	1/9/2024				
7929/7931 East Drive	Bulk Trash	Warning	1/10/2024				
1580 Kennedy Cswy	Prohibited Signs	Warning	1/10/2024				
7548 Bounty Ave	Boat Regulations	Warning	1/11/2024				
1671 S Treasure Drive	WWP	Citation	1/11/2024	$250.00		Yes	1
7520 W Treasure Drive	Noise	Warning	1/12/2024				
7510 Coquina Drive	Boat Regulations	Warning	1/16/2024				
1508 Kennedy Cswy	Noise	Warning	1/16/2024				
7920 East Drive	Bulk Trash	Citation	1/16/2024	$200.00			
1801 S Treasure Drive	Bulk Trash	Warning	1/16/2024				
7929/7931 East Drive	Bulk Trash	Warning	1/16/2024				
7711 Beach View Drive	Illicit Discharge	Citation	1/17/2024	$250.00			
7621 Coquina Drive	Construction Site Maint.	Warning	1/17/2024				
7440 Miami View Drive	Bulk Trash	Warning	1/18/2024				
7521 Coquina Drive	WWP	Citation	1/18/2024	$250.00			
7520 W Treasure Drive	WWP	Citation	1/18/2024		$250.00		
7521 Coquina Drive	WWP	Citation	1/18/2024		$250.00		
1400 S Treasure Drive	Bulk Trash	Warning	1/18/2024				
7524 Bounty Ave	Illicit Discharge	Warning	1/19/2024				
1880 S Treasure Drive #2F	WWP	Citation	1/19/2024		$250.00		
7501 Adventure Ave	Bulk Trash	Warning	1/20/2024				
7530 Coquina Drive	Noise	Citation	1/20/2024				
1872 Kennedy Cswy	Graffiti	Warning	1/22/2024				
7801 Center Bay Drive	Expired Permits	Warning	1/23/2024				
7920 East Drive	Bulk Trash	Warning	1/23/2024				
7711 Beach View Drive	Construction Site Maint.	Warning	1/24/2024				
7501 E Treasure Drive	Building Maintenance	Warning	1/24/2024				
7530 Coquina Drive	Noise	Citation	1/24/2024		$250.00		
7521 Center Bay Drive	Prohibited Signs	Warning	1/25/2024				
7400 Beach View Drive	Special Magistrate	Order	1/26/2024		$250.00		
7400 Beach View Drive	Special Magistrate	Order	1/26/2024		$75.00		
1880 S Treasure Drive	Noise	Citation	1/27/2024	$250.00			

7601 E Treasure Drive	WWP	Citation	1/29/2024		$250.00		
7904 West Drive #903	Special Magistrate	Order	1/29/2024		$500.00		
7920 East Drive	Bulk Trash	Citation	1/30/2024	$200.00			
1850 S Treasure Drive	Bulk Trash	Warning	1/30/2024				
7549 Bounty Ave	Special Magistrate	Order	1/30/2024		$1,700.00		
1872 Kennedy Causeway	Construction Site Maint.	Warning	1/30/2024				
7917 West Drive	Bulk Trash	Citation	1/31/2024	$200.00			
7511 Coquina Drive	Bulk Trash	Warning	1/31/2024				
7553 W Treasure Drive	WWP	Citation	1/31/2024		$250.00		
7557 Mutiny Ave	Special Magistrate	Order	1/31/2024		$5,000.00		
7549 Bounty Ave	Special Magistrate	Order	1/31/2024		$1,700.00		
(15) Lien Searches							
				$2,100.00	$12,775.00		
	Code	**Statistics**	**Feb-24**	**$**	**$**	**X**	**X**
Property Address	Violation Type	Action Taken	Date/Month	Amount Cited	Fines Collected	STVR Strike	Total Strikes
7520 Miami View Drive	Bulk Trash	Warning	2/1/2024				
7915 East Drive	Bulk Trash	Warning	2/1/2024				
1601 Kennedy Cwwy	Open/Unsecure	Warning	2/2/2024				
7918 West Drive	Construction Site Maint.	Warning	2/4/2024				
7917 West Drive	Bulk Trash	Citation	2/5/2024		$200.00		
1550 Kennedy Cswy	Building Maintenance	Warning	2/5/2024				
1400 S Treasure Drive	WWP	Warning	2/5/2024				
1801 Galleon Street	Bulk Trash	Warning	2/5/2024				
7700 Center Bay Drive	WWP	Citation	2/6/2024	$250.00			
7700 Center Bay Drive	Expired Permits	Warning	2/6/2024				
7711 Beach View Drive	Construction Site Maint.	Warning	2/6/2024				
Treasure Island	Prohibited Sign	Removed	2/6/2024				
7711 Beach View Drive	Construction Site Maint.	Citation	2/7/2024	$500.00			
7800 Beach View Drive	Bulk Trash	Warning	2/7/2024				
7910 West Drive	Bulk Trash	Warning	2/7/2024				
7700 Center Bay Drive	Fence Maintenance	Warning	2/7/2024				
7601 E Treasure Dr #PH106	Noise	Citation	2/8/2024		$250.00		
7532 Bounty Ave	Blocking ROW	Warning	2/8/2024				
1872 Kennedy Cswy	Trash	Warning	2/8/2024				
7917 West Drive	Bulk Trash	Warning	2/13/2024				
7504 W Treasure Drive	Special Magistrate	Order	2/14/2024		$325.00		
7505 Adventure Ave	WWP	Citation	2/14/2024		$250.00		
1670 S Treasure Drive	Trash	Citation	2/15/2024		$200.00		
1872 Kennedy Cswy	Blocking ROW	Warning	2/15/2024				
1353 Bay Terrace	Expired Permits	Warning	2/20/2024				
7920 East Drive	Bulk Trash	Warning	2/20/2024				
23-3209-008-0590	Vacant Lot Fee	Warning	2/20/2024		$250.00		

Treasure Island	Prohibited Sign	Removed	2/20/2024				
1625 Kennedy Cswy	WWP	Warning	2/21/2024				
7700 Coquina Drive	Bulk Trash	Warning	2/21/2024				
7934 West Drive #1201	WWP	Citation	2/22/2024		$250.00		
1440 S Treasure Drive	WWP	Citation	2/22/2024	$250.00			
1880 S Treasure Drive	Noise	Citation	2/23/2024		$250.00		
7924 W Treasure Drive	Fence Mesh	Warning	2/26/2024				
1671 S Treasure Drive	WWP	Citation	2/26/2024		$250.00		
1440 S Treasure Drive	WWP	Citation	2/27/2024		$250.00		
7401 Center Bay Drive	WWP	Warning	2/27/2024				
7545 Cutlass Ave	Bulk Trash	Warning	2/27/2024				
7533 Bounty Ave	WWP	Warning	2/28/2024				
7521 Hispanola Ave	WWP	Warning	2/28/2024				
7529 Hispanola Ave	WWP	Warning	2/28/2024				
7540 Bounty Ave	WWP	Warning	2/28/2024				
7611 Coquina Drive	WWP	Warning	2/28/2024				
7557 Mutiny Ave	WWP	Warning	2/28/2024				
7521 Center Bay Drive	WWP	Warning	2/28/2024				
7421 Coquina Drive	WWP	Warning	2/28/2024				
1600 Kennedy Cswy	Shopping Cart	Warning	2/28/2024				
7530 Coquina Drive	Construction Site Maint.	Warning	2/28/2024				
7548 Adventure Ave	Trash Cans	Warning	2/28/2024				
7730 Miami View Drive	WWP	Warning	2/28/2024				
7920 East Drive	Stagnant Water	Warning	2/29/2024				
8000 West Drive #319	Noise	Citation	2/29/2024		$250.00		
7505 Hispanola Ave	Blocking ROW	Warning	2/29/2024				
1872 Kennedy Cswy	Open/Unsecure	Warning	2/29/2024				
1701 Kennedy Cswy	Sign Maintenance	Warning	2/29/2024				
(21) Lien Searches							
				$1,000.00	$2,725.00		

Glossary	
Violation Type Abbreviation	**Definition**
WWP	Work Without Permits
ROW	Right-of-Way
BTR	Business Tax Receipt
Operating/Advertising	Operating / Advertising a Short Term Vacation Rental
STVR	Short Term Vacation Rental
MOT	Maintenance of Traffic
Special Magistrate	Fines Collected as a Result of a Special Magistrate Order
Open/Unsecured	Construction Site Open and Unsecured
Emergency Order	Violation of COVID Related Emergency Orders
STRV Strike	Code violation counted when revoking/denying an STVR License

Police

INCIDENT REPORT
STVR Violation
Incident: 202400010072

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INCIDENT DATES/TIMES:

Reported Date/Time:	02/25/2024	0:44:55
Completed Date/Time:	02/25/2024	1:07:37
Earliest Date/Time:	02/25/2024	0:44:00
Latest Date/Time:	02/25/2024	0:44:00

INCIDENT LOCATION:

1480 S Treasure Dr | North Bay Village | FL | 33141 | Miami-Dade

OFFENSES:

IBR	*Offense - Description*	*Statute - Description*	*Degree*	*Class*	*Level*

PERSON(S) INVOLVED:

Type	*Name*	*DOB*	*Address*	*City/State/Zip*	*Phone*
Contact	Sayegh, Susana	09/30/1971	9731 Nw 75Th Ter	Doral, FL 33178	7865214807

VEHICLE:

Plate #	*State*	*Type*	*VIN*	*Yr*	*Make*	*Model*	*Color*	*Value*

Date: Expire

VEHICLE - Continued:

Plate #	*State*	*Type*	*VIN*	*Year*	*Make-Model*	*Color*	*Value*

PROPERTY:

No.	*Loss Type*	*Qty.*	*Make/Model/Style*	*Description*
1				

SYNOPSIS:

Loud party. BWC
upon arrival, music was barely audible from the exterior of the home. Made contact with the occupants and gathered information for report

INCIDENT NARRATIVE

Saturday, February 25, 2024, I was dispatched to a loud party at 1480 South Treasure Drive. Upon arrival, I observed no audible signs of a loud party. Only a small group of individuals engaged in conversation in the backyard, with their volume not exceeding acceptable limits.

I approached the residence and made contact with the occupant, identified as Z1. I advised Z1 of the complaint received. Z1 promptly apologized for any inconvenience caused and assured me that there would be no recurrence of such complaints. No further action of taken.

On-Scene Investigative Actions Taken
B.W.C. Deployed
On Duty Supervisor Notified

North Bay Village Police Department
North Bay Village Case: 202400010072
Sunday, February 25, 2024
Ofc. J. Rodriguez– NBV 223 / Badge: 0294
Field Support Division (Road Patrol)

ITEM NO. 9.C

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ana Gonzalez, Executive Assistant to Chief of Police

SPONSORED BY:

SUBJECT: Police Accreditation Report (February 2024)

RECOMMENDATION

BACKGROUND AND ANALYSIS

Background

Accreditation is the utilization of police industry best practices to manage a law enforcement agency. The Commission for Florida Law Enforcement Accreditation (CFA) is the governing body for administering the accreditation process in the State of Florida.

The CFA has created and developed a list of accepted police industry best practices which accredited agencies must follow. Currently, those standards encompass thirty-two (32) chapters with approximately two hundred thirty (230) Standards. The CFA meets every four months and reviews the standards, at which time they may add, delete, and/or modify them to keep up with the ever -changing field of law enforcement. The North Bay Village Police Department (NBVPD) is working towards CFA accreditation.

The initial step in the accreditation process requires a law enforcement agency to create and or modify their procedures (policies) to reflect and comply with the CFA standards (note that one policy may encompass multiple standards). Once the compliant policies have been created and developed, the agency must collect twelve (12) months of proofs of compliance with the CFA standards (currently, this process will mandate the collection of approximately three hundred (300) proofs for our agency).

The NBVPD's existing policies were taken from the Ft. Lauderdale Police Department in 2006. The policies (some of which were outdated at the time) were in use for years prior to the NBVPD adopting and implementing them. NBVPD's existing policies are in dire need of updating. The CFA accreditation process will ensure that the NBVPD has and maintains policies that are are consistent with police industry best practices standards. Attaining CFA accreditation ensures that the NBVPD meets and operates within industry best practices.

The LEAC Group was previously contracted to act as a consultant in the creation of policy templates that meet the CFA accreditation standards. The policies provided by LEAC will be modified, when possible, to best suit the actual operations and practices of the NBVPD. NBVPD's operations and practices will be modified and developed to meet the CFA standards.

Benefits of Attaining Accreditation

TO THE COMMUNITY

Accreditation increases the law enforcement agency's ability to prevent and control crime through more effective and efficient delivery of law enforcement services to the community it serves. It enhances community understanding of the law enforcement agency and its role in the community as well as its goals and objectives. Accreditation creates a forum in which police and citizens work together to control and prevent crime. This forum help citizens to understand the challenges that confront law enforcement, and law enforcement, in turn, receives clear direction from the community about its expectations. Through this partnership, a common set of goals and objectives will be arrived at and implemented.

TO THE CHIEF, VILLAGE ADMINISTRATION, AND COMMISSION

Accreditation increases cooperation and coordination with other law enforcement agencies and other branches of the criminal justice system. The accreditation process requires an in-depth review of every aspect of the agency's organization, management, operations, and administration to include:

- establishment of agency goals and objectives with provisions for periodic updating re-evaluation of whether agency resources are being used in accord with agency goals,

objectives, and mission.
- re-evaluation of agency policies and procedures, especially as documented in the agency's written directive system.
- correction of internal deficiencies and inefficiencies before they become public problems.

The accreditation standards provide norms against which agency performance can be measured and monitored over time as well as providing objective measures to justify decisions related to budget requests and personnel policies. Accreditation streamlines operations, providing more consistency and more effective deployment of agency manpower. Accreditation provides a legal defense for civil actions brought against the agency and presents the opportunity to re-organize without the appearance of personal attacks.

TO THE OFFICERS

Accreditation requires that agency policies and procedures are in written form and available to all agency personnel at all times. It assures employees that every aspect of the agency's personnel system is in accord with professional standards and that the system is both fair and equitable. Agency morale is enhanced by increasing the employees' confidence in the effectiveness and efficiency of their own agency. Operations become more streamlined and consistent, and the standards address officer safety issues and provide for adequate training and equipment of the officers. Officers also receive a level of protection when personally named in a civil action.

Major Tasks Towards Achieving Initial Accreditation

There are numerous tasks required in preparation for the initial accreditation process. The below list, though not all inclusive, presents most of the major requirements:

- Review of LEAC policy templates proffered for use as a base for changes needed for existing policies.
- Review and modification of all policies to ensure compliance with the CFA standards.
- Configuration, setup, and training for the PowerDMS policy and accreditation management software.
- Creation of reports for time-sensitive standards including daily, weekly, monthly, semi-annually, and annual reports to track and measure the status of the agency.
- Inspection of all police facilities and functions including (but not limited to) the Communications Center, Property and Evidence storage, Prisoner processing, Training, Certifications, Forms and Reports, the Security of the Physical Plant, the Security of both Hardcopy and Digital Information Storage, Confidentiality of Juvenile Records, Confidentiality of other Exempt Records.
- Training of every member of the agency, both sworn and civilian, in the accreditation process and their role in that process.

- Collection of proofs of compliance with the standards and policies (this process begins following the completion of the creation of the standards-compliant policies).
- Mock on-site assessment to ensure compliance with the CFA standards prior to the actual assessment.
- CFA on-site assessment which includes: a review of every policy (which includes presentation of the Proofs of Compliance to the assessment team), physical inspections of police facilities, review and observation of actual police operations, interviews with police department staff (both sworn and civilian), and public meetings between the community and commission.

Timeline to Completion

The North Bay Village Police Department has initiated the accreditation process and actively continues to work towards achieving accredited status. (**NOTE:** an Accreditation Manager was hired in the second week of August 2019). Unfortunately, issues related to the continuing COVID-19 Pandemic, Civil Unrest, and Major Weather Events have delayed the planned timeline.

- The normal timeframe to achieve the initial accreditation from CFA is twenty-four (24) months. This includes twelve (12) months of policy creation and modification and twelve (12) months of collection of proofs of compliance collection. The NBVPD Accreditation Team had anticipated that by March 2021, NBVPD would be ready for the Mock Assessment; however due to continuing detrimental impacts of the COVID-19 Crisis, the timing for this first evaluation step cannot be determined at this time.
- Following the Mock Assessment, identified issues and any potential deficiencies are corrected and a request is submitted to the CFA for the scheduling of an On-site Assessment.
- The On-site Assessment, which is scheduled at CFA's earliest convenience, generally occurs within one or two quarters after the completion of the Mock Assessment. The timing is dependent on the scheduling and operations of the CFA which have also been impacted by the pandemic (currently an 8- to 10-month time lag exists). **NOTE:** CFA suspended both their conferences and their On-site Assessments effective March of 2020. Currently, they are only doing Virtual On-site Assessments for agencies that are already accredited. There is a waiting list of agencies waiting for the initial on-site.
- Once the CFA On-site Assessment is satisfactorily completed, the Agency is invited to attend the next available CFA Commission meeting (which during normal operations are held every four [4] months) for the awarding of Agency Accreditation.

The completion timeline (originally planned for Q4 ’21) has been delayed as a result of issues related to the COVID-19 Pandemic and the continuing dialogue and dynamic environment surrounding Police Reform. It remains highly variable with multiple unknowns as a result of these disruptions. The NBVPD continues to make progress on the path towards accreditation. Working within the many limiting factors resulting from these events, we continue to push on with the goal and have set a date for the Mock Assessment in January 2024.

Evaluation of the Values Depicted in the Attached Progress Matrix

The situation at hand is one where focusing on pure percentages and statistics is misleading. For example, the NBVPD completed the task of training the entire police department at the end of September – the amount of prep work and logistical planning that is involved in accomplishing that task cannot be reflected in the "100%" statistic. Of course, that value becomes fixed and will not change from month to month. In addition, several progress indicators/benchmarks are very slow to advance because they are dependent on CFA, and CFA is near stagnant due to the continuing, international health crisis (as detailed elsewhere in this memo).

The task of writing, reviewing and editing policies is a cumbersome, labor intensive process. CFA encompasses 32 chapters and 230 standards upon which the policies (some of which are 30 or more pages) are built; an increase of 3% (a seemingly small increase) does not effectively quantify the hundreds of pages and many man hours that went into achieving that gain.

Likewise, there is the issue of remediating identified deficiencies (such as those in the physical plant – was addressed via the intensive months long process of relocating dispatch – the finishing touches of which are currently being addressed). Since the necessary vendors are often not available, or supply side logistics are disrupted (again due to pandemic), the Village often is hindered in the advance of corrective measures. The process of corrective action is what really moves the needle in terms of advancement.

There has indeed been and continues to be significant, measurable progress, and due to the limitations imposed by the Corona Virus, issues of Police Reform and CFA operations, it is not likely to be exceedingly large for the foreseeable future. As explained in this memorandum, the accreditation process is, in ideal circumstances, generally a two-year project; the COVID-19 Crisis and the dynamic environment surrounding Police Reform has caused significant delays and made the situation highly variable with multiple unknowns as a result of these disruptions.

Accreditation as an Industry Standard

Accreditation standards are established by two, though interrelated, distinct processes. CALEA (the Commission on Accreditation for Law Enforcement Agencies) - a national standard that is focused on large agencies, and by Accrediting Agencies established within individual state criminal justice systems.

Currently 37 of the 50 states have Accrediting Agencies, of which Florida is one - CFA (Florida Accreditation Commission).

There are approximately 18,000 law enforcement agencies in the USA, and of those, approximately 940 are nationally (CALEA) accredited.

There are approximately 400 law enforcement agencies in Florida, and of those some 115 - or less than 29% - currently hold CFA accreditation.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ATTACHMENTS
CFA Accreditation Progress Matrix for Feb 2024.pdf

CFA Accreditation Progress Matrix for February 2024

	July '19 Baseline	Jan '24 Status	Feb '24 Status	Task Highlights
LEAC Templates	40%	100%	100%	• Received 40 of 40 policy templates • Reviewed 39 templates and modified 37 for publication following approval and review workflow process.
PowerDMS Setup, Training, and Implementation	0%	100%	100%	• Added legal bulletins • Uploaded new policies • Identified Additional Training Needs and Conducted Training on Training Module Department-wide
Creation of new and modification of existing Time Sensitive Reports	0%	99%	99%	• The process of identifying all reports produced by the Agency is complete. • Creation of Missing Report has started.
Training of Sworn and Civilian Staff on CFA process	0%	100%	100%	• Completed preparing training package • Training was delivered in September
Inspection of Facilities and Functions of the Agency	0%	100%	100%	• The inspection process of the physical plant and agency functions is an on-going project. • Transfer from remote facility to main building complete for Property and Evidence. • Transfer from old armory to new armory complete

Review and Modification of Policies (232)	0%	100%	100%	• 290 Standards met via policy
Collection of Proofs of Compliance (330) 2021	0%	100%	100%	• Collected 280 Proofs of Compliance for CFA Standards (approximately 330 proofs total) • Began proof collection structured process. 55 proofs in progress • Identified proof assignments • Conducted training for all supervisors
Collection of Proofs of Compliance 2022	0%	100%	100%	• Collected 100 Proofs of Compliance for CFA Standards • New year requires additional proofs
Policies Reviewed by Employees on PowerDMS	0%	100%	100%	• Training completed and policy signatures beginning
Policy Modification	0	163	171	• Policies modified to conform with changes to CFA standards and Law

Property Disposal	N/A	88%	90%	• Additional activity for disposal of evidence and property no longer required to be stored.
Review of Proofs	0	100%	100%	• Review of collected proofs for Mock On Site
Preparation of PowerDMS	0	100%	100%	• Highlighting policies and scanning and adding proof to PowerDMS
Creation of New Policies to comply with standards changes	0	160	168	Added newly created policies to comply with changes to the accreditation standards
Pre-Mock on-site Assessment	N/A	Pending	Conducted	Pre-mock took place on December 19th. Awaiting feedback from assessors.

Mock on-site Assessment	N/A	Pending	Complete	Mock complete. No Major Issues Numerous Minor Policy Modifications Numerous Minor Proof Modifications Creation of Forms
CFA on-site Assessment	N/A	Pending	Pending	Scheduled for March, 19-21 2024
Total Estimate of Overall Progress	5%	99%	99%	This estimate will change slowly until the above milestones are met at 100%

ITEM NO. 9.D

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ana Gonzalez, Executive Assistant to Chief of Police

SPONSORED BY:

SUBJECT: Traffic Enforcement Report (February 2024)

RECOMMENDATION

BACKGROUND AND ANALYSIS

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ATTACHMENTS
Monthly Traffic Report (February 2024).pdf

North Bay Village Police Department
Memorandum

Date: February 29, 2024

To: Deputy Chief, S. Bejar

From: Sgt. N. Benitez

Subject: Monthly Traffic Enforcement Report for February 1 to February 29, 2024

The following is the Monthly After-Action Report for the Department's continuing traffic educational/enforcement initiative. The information contained herein details the activity for the month of February 2024. The purpose of our traffic safety campaign is to enhance traffic safety in our community and mitigate violations of traffic laws through the apprehension and citation of drivers, public education, and raising awareness of the dangers of aggressive driving, speeding, red-light running, seat belt compliance, bike/pedestrian safety, impaired driving, distracted driving, and general traffic safety. Our Traffic Enforcement Team will continue to monitor all Village-wide traffic-related issues and conduct strategic enforcement, reporting our continuing progress on a monthly basis.

Traffic Enforcement on Kennedy Causeway:

- 293 – Speeding Citations
- 60 – Criminal Citations
- 67 – Moving Violation Citations
- 234 – Non-Moving Citations
- 67 – Warnings

Traffic Enforcement on Harbor Island:

- 0 – Speeding Citation
- 7 – Criminal Citation
- 18 – Moving Violation Citations
- 12 – Non-Moving Citations
- 4 – Warnings

Traffic Enforcement on Treasure Island:

- 0 – Speeding Citation
- 6 – Criminal Citations
- 22 – Moving Violation Citations
- 18 – Non-Moving Citations
- 8 – Warnings

Traffic Enforcement on North Bay Island:

- 0 – Speeding
- 0 – Criminal Citation
- 0 – Moving Violation Citations
- 0 – Non-Moving Violation Citations
- 0 – Warnings

Traffic Enforcement Totals:

- 737 – Citations
- 79 – Warnings
- 88 – Parking Citations

ITEM NO. 9.E

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ralph Rosado, PhD, AICP, Village Manager

SPONSORED BY:

SUBJECT: Capital Improvement Plan Report (February 2024)

RECOMMENDATION

BACKGROUND AND ANALYSIS
Please see the accompanying reports.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
TBD

PERSONNEL IMPACT
TBD

ATTACHMENTS
Capital Improvement Projects Construction Summary.pdf
TIES Galleon Project Timeline.pdf

Key Capital Improvement Projects Construction Summary (2/13/24)					
(Organized by Expected Construction Completion Dates, unless Otherwise Indicated)					
Proj. #	**Proj. Name**	**Scope**	**Start Date**	**End Date**	**Notes**
1	Inlet Filters - Phase I	Installation of 48 upward flow customized stormwater drainage filters on existing inlets on NBI & TI.	10/1/23	4/1/24	New state contract in the amount of $150k for Phase II to complete installation of filters in the remaining drainage structures (total of 98 filters for phase I & II). QR Code drain markers are manufactured and ready to install after web app review with NBV PW team. Design, manufacture and install of remaining filters to be completed 4/1/24. Data analysis of filter debris to continue to 4/24.
2	TI ADA - Ph II	Repair/replace sidewalks/curbs/gutters; install audible beacons on causeway	10/9/23	4/1/24	FDOT new contract delayed start date. Construction is about 70% complete with all concrete work done. Audible beacons to be installed to complete project. Contractor awaiting permit from County traffic division.
3	Public Art: Paint FPL Infrastructure Vault	Add mural to FPL vault in front of Civic Park. Sponsored by Comm. Cuk.	3/15/24	4/15/24	Artist selected. FPL approval secured on 10/25/23. FPL paused art project in order to perform renovation work on vault; that work was recently completed.
4	Street Signs	Ultimately replace all NBV street signs	5/17/24	5/31/24	Fabricator was approved by commission in Oct 2023. At its 2/13/24 Meeting, Commission voted for staff not to pause project due to potential name change. Interlocal agreement must be approved by Miami-Dade Transportation and Public Works Dept before fabrication/installation can commence.

5	TI Parking Study	The study will develop parking management strategies that will accomplish three objectives: a. identify how much parking is provided in the study area. b. identify if parking demand exceeds supply. c. identify feasible parking management strategies that are satisfactory to residents and businesses.	11/29/23	5/31/24	This is not a construction project but may lead to construction changes. Steering Committee of residents formed and met. Parking Study Town Hall held on 11/29/2023. Data collection underway. Study to be proposed to Village Commission for potential adoption in July 2024.
6	Sanitary Sewer Improvements	Complete assorted moratorium-related improvements	Spring '22	6/30/24	SSES corrective action repairs have been made to the Hispanola, S. Treasure and Village Hall basins. Tests failed on Village Hall & S. Treausure basin. Additional Night Flow Testing scheduled for June 2024. Corrective repairs to Hispanola Basin complete by Feb 28 with the smoke testing scheduled the following week. Additional analysis of the S. Treasure basin is being done to determine the amount of INI reduction. Initial analysis suggest a 37% reduction, but not below the County threshold.
7	New Tree Plantings at TIES and Villagewide Groundcover Plantings	Plant additional trees along TIES perimeter.	5/1/24	7/30/24	Grant and SFM tree planting contracts to be approved at 3/12/24 commission meeting. Groundcover contract to be on 4/9/24 contract.

8	New or Repaired Crosswalks & Sidewalks on All Islands	Phase I: Add 6 crosswalks on HI; complete sidewalk network on HI. Phase II: add 20 crosswalks on TI; repair and replace cracked, broken sidewalks, curb & gutters on TI; add 1 path at entrance of NBI (connecting Coquina & Center Bay)	Phase I: Summer '24; Phase II: TBD	Phase I: Summer 2024; Phase II: between 8/31/25 and 8/31/27, or perhaps sooner if FDOT expedites construction funding, based on successful completion of design/ permitting; if FDOT funding not expedited, then NBV can pursue paying for sidewalks via Reserves	This project combines contracts for federal ($426K) & state ($350K) funding with a $350K NBV local match and was approved at 9/28/23 commission meeting. Work order for design approved at 11/9 commission meeting. HI and NBI survey completed and under review by NBV staff. TI survey set to be completed 3/16/24.
9	Island Walk N Plaza	Construct North Plaza scenic area plus NBV east entry sign	1/15/24	8/30/24	FDOT new contract and a bat survey delayed start date. Contractor in process of obtaining drainage permits from DERM. Contractor to secure construction permit from Village and lane closure permit from FDOT. Contractor securing DERM drainage permit.

10	TI WW Pump Station Improvements	Demolish existing building on Galleon St and underground pump station, remove and replace existing pump station on Hispanola Ave, replace electric panel on S Treasure Dr. Replace Village Hall pump station as well.	7/31/23	8/30/24	Demo quotes secured; upcoming activities: installation of valve vault, force main pipe, fittings and valves installation, installation of Water Service. DMSI installing wetwell at the Main Pump Station. Forcemain piping installation at the Hispanola Avenue Pump Station. Unexpected issues have arisen at the Hispanola Avenue Pump Station - a plug valve shown on the plans is not existing, along with the discovery of a 12" unknown pipe, and unknown drainage box.
11	TIES Park	Add 5 multipurpose fields, pathway, landscaping to TIES perimeter	5/1/24	10/1/24	MDCPS revised JUA approved in October 2023; NBV/AFA contracts approved 2/13/24. See separate TIES & Galleon timeline.
12	Complete Streets - Short Term Improvements (Bus Shelters & TI Decorative Crosswalks)	Ultimately install 7 bus shelters on Kennedy Causeway throughout village and pedestrian crosswalks on TI	Spring '24	Fall '24	$414,000 in total to spend from FDOT grant. Bus shelter being designed by BCC Engineering; fabrication to be bid out, for commission approval by Jan 2024. The # of shelters installed will depend on price. These two projects are combined because they are being paid for by same grant program (County Incentive Grant Program). Received FDOT approved change of scope Supplemental Agreement approval. Project design underway. 90% design submittal to the Village under review.

13	Vogel Park Marine Facilities	Install kayak launch and marine patrol dock	4/30/24	Fall '24	Initial Invitation to Bid (ITB) did not yield responses and was readvertised on 10/20/23, bid opening held 12/8/23, one submittal received, and construction contract approved at 1/16/24 Commission Meeting.
14	NBI Stormwater System Improvements	Replace NBI stormwater pump station with new, better one	Spring '24	Fall '24	Negotiating easement agreement with affected property owner, for approval at 1/9/23 commission meeting. Owner agreed to provide 5' easement on north side of property. PW looking for alternate location or arrangement. Funding extension to April 2024 to be approved by DEP. Designer has proposed alternate design reducing the dependence on an easement to complete the design.
15	Civic Park Recreational Improvements	Add walking/nature trail, splash pad, kayak launch, living shoreline	Fall '24	Fall '25	Design is at 90% completion. Permitting elements in bay can be lengthy/unpredictable.
16	Galleon St Community Center	Construct community center and outdoor rec. amenities at Public Works site	Summer '24	Fall '25	MDCPS and NBV approvals granted in October 2023; NBV/AFA contracts being (re)negotiated. Phase II environmental assessment completed. Kimley Horn undetaking additional environmental assessment and assisting with remediation and demolition quotes. Please see accompanying TIES/Galleon schedule.
17	Village Hall	Construct village hall/fire rescue complex	6/23/25	12/31/26	In design phase.
18	Flashing Yellow Turn Light at Harbor Island Dr	FDOT has agreed to install a flashing yellow light at the intersection of the Causeway and Harbor Island Dr/N. Bay Island, to reduce likelihood of drivers making unsafe left turns	TBD	TBD	Design is underway; construction schedule TBD by FDOT.

19	Kennedy Causeway Complete Streets	To conduct a Lane Reduction Study along 79 St. (JFK Causeway), to include context classification, traffic analysis, and forecasting, ultimately resulting in construction improvements	TBD	TBD	In traffic study/forecasting phase. FDOT sent latest set of comments to NBV/Stantec. Stantec to respond by 11/15/23. Design or construction schedule not yet set. Village commission held sunshine meeting with FDOT D6 Sec. Miller to discuss flat bridge PD&E and this project. Item to be discussed at April meeting.
Completed					
Proj. #	**Proj. Name**	**Scope**	**Start Date**	**End Date**	**Notes**
1	Tree Planting at TIES	Planted 48 shade trees at TIES	8/2/23	8/30/23	
2	Hispanola Ave Roadway Improvements	Segregated left green arrow and pedestrian walk signal, so that drivers are not encouraged to approach and endanger pedestrians; other minor (e.g. restriping and repaving) improvements	5/1/23	9/30/23	This is an FDOT (not NBV) project, but NBV advocated for the pedestrian improvements and more recently asked for the full intersection to be paved. They complied.
3	Kennedy Causeway Median Beautification	Added 10 royal palms and groundcover on causeway medians	6/15/23	9/30/23	
4	TI Bulbouts and N. Treasure Drive Medians	Install green island ficus in bulbouts; install plantings reflecting Curtis & Rogers design in N. Treasure Dr. medians	10/4/23	11/1/23	
5	Public Art: Island Walk South Plaza Mural	Paint mural or add installation to IWSP Wall next to GVP	12/1/23	2/1/24	This is NBV public art project #6.
6	Public Art: Vogel Park Photo Frame Sculpture	Have artist/sculptor create social media metal background to be installed at SW corner of Vogel	1/15/24	2/13/24	This is NBV public art project #7.

TIES/GALLEON PROJECTS

Timeline (as of 3/4/2024)

	Approval of MDCPS/NBV & NBV/AFA Agreements	TIES Design/Permitting/ Construction	NBV PW Dept Relocation		Galleon Design/Permitting/ Construction
			Miami Shores Track	**Non-Miami Shores Track**	
Nov. 2023 or Prior	MSCPS/NBV revised JUA approved (NBV); AFA requesting changes to JUA (AFA)				
Dec. 2023		NBV approves Site Plan at PZB 12/6 & Commission 12/12			NBV secures demolition quotes
Jan. 2024	NBV asks MDCPS for AFA-requested changes to JUA		M. Shores approved PW relocation concept, asks NBV for independent analysis of value		
Feb. 2024	NBV/AFA agreements approved on 2/13; MDCPS sent revised JUA to NBV/AFA		NBV submitted rent offer on M. Shores site; MS Manager discussing with each council member	NBV Manager and PW Operations Division Director visited other potential PW sites	Given revised JUA sent by MDCPS to NBV/AFA, NBV asks AFA architect Gustavo Bolado to submit Galleon plans to NBV/DERM/Fire; with Kimley Horn (KH) contract now executed start additional groundwater & soil sampling and asbestos survey; KH revising demolition scope and assisting NBV to secure revised price quotes
March 2024		Given revised JUA sent by MDCPS to NBV/AFA, NBV asks AFA architect Gustavo Bolado to submit TIES plans to MDCPS	M. Shores to vote on PW relocation contract; if approved, begin relocation process, including permits	M. Shores to vote on PW relocation contract; if not approved, NBV to negotiate/execute alternate location lease; NBV commission approves lease and expenses; commence PW relocation process	AFA to submit Galleon plans to NBV and DERM; NBV to hire demolition contractor; contractor files DERM and NBV demo permit; KH submits DERM sampling permit
April 2024		Approval of plans by MDCPS (per AFA)	NBV commission approves lease and expenses; commence PW relocation process		DERM demo permit and sampling permit review ends

May 2024		Start of construction (per AFA)			NBV completes PW relocation process; demolish existing PW building; soil removal starts; Galleon St plans approved
June 2024					Soil removal ends; start of construction (per AFA)
Sept. 2024		Completion of construction (per AFA)			NBV completes Waste Water Pump Station Project
June-Nov. 2025					Completion of Galleon St Project construction (per AFA); once project complete, cleanup contractor to install monitoring wells, which will be assessed quarterly for one year

ITEM NO. 9.F

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ralph Rosado, PhD, AICP, Village Manager

SPONSORED BY:

SUBJECT: TIES-Galleon Project Timeline (February 2024)

RECOMMENDATION

BACKGROUND AND ANALYSIS
Please see the accompanying report.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
TBD

PERSONNEL IMPACT
TBD

ATTACHMENTS
TIES Galleon Project Timeline.pdf

	TIES/GALLEON PROJECTS				
	Timeline (as of 3/4/2024)				
	Approval of MDCPS/NBV & NBV/AFA Agreements	**TIES Design/Permitting/ Construction**	**NBV PW Dept Relocation**		**Galleon Design/Permitting/ Construction**
			Miami Shores Track	**Non-Miami Shores Track**	
Nov. 2023 or Prior	MSCPS/NBV revised JUA approved (NBV); AFA requesting changes to JUA (AFA)				
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Jan. 2024	NBV asks MDCPS for AFA-requested changes to JUA		M. Shores approved PW relocation concept, asks NBV for independent analysis of value		
Feb. 2024	NBV/AFA agreements approved on 2/13; MDCPS sent revised JUA to NBV/AFA		NBV submitted rent offer on M. Shores site; MS Manager discussing with each council member	NBV Manager and PW Operations Division Director visited other potential PW sites	Given revised JUA sent by MDCPS to NBV/AFA, NBV asks AFA architect Gustavo Bolado to submit Galleon plans to NBV/DERM/Fire; with Kimley Horn (KH) contract now executed start additional groundwater & soil sampling and asbestos survey; KH revising demolition scope and assisting NBV to secure revised price quotes
March 2024		Given revised JUA sent by MDCPS to NBV/AFA, NBV asks AFA architect Gustavo Bolado to submit TIES plans to MDCPS	M. Shores to vote on PW relocation contract; if approved, begin relocation process, including permits	M. Shores to vote on PW relocation contract; if not approved, NBV to negotiate/execute alternate location lease; NBV commission approves lease and expenses; commence PW relocation process	AFA to submit Galleon plans to NBV and DERM; NBV to hire demolition contractor; contractor files DERM and NBV demo permit; KH submits DERM sampling permit

April 2024		Approval of plans by MDCPS (per AFA)	NBV commission approves lease and expenses; commence PW relocation process		DERM demo permit and sampling permit review ends
May 2024		Start of construction (per AFA)			NBV completes PW relocation process; demolish existing PW building; soil removal starts; Galleon St plans approved
June 2024					Soil removal ends; start of construction (per AFA)
Sept. 2024		Completion of construction (per AFA)			NBV completes Waste Water Pump Station Project
June-Nov. 2025					Completion of Galleon St Project construction (per AFA); once project complete, cleanup contractor to install monitoring wells, which will be assessed quarterly for one

ITEM NO. 10.A

North Bay Village
Recommendation Memorandum

DATE: **March 12, 2024**

TO: **Honorable Mayor, Vice Mayor and Members of the Village Commission**

FROM: **Alba L. Chang, Village Clerk**

SPONSORED BY:

SUBJECT: **Village Clerk Report for February of 2024**

RECOMMENDATION

BACKGROUND AND ANALYSIS

This monthly report is presented to the Village Commission to keep you informed of the activities and responsibilities within the Office of the Village Clerk.

The primary responsibilities of the department include but are not limited to Records Management, Administrative Procession of agreements, resolutions, and ordinances, Residents Board Administration/ support, and the coordination of the General and Special Elections.

AGENDAS / POSTINGS

The Village Clerk is responsible for preparing agendas and postings for all of the Village Commission Meetings; Planning & Zoning Board, Special Magistrate, and all of the Resident's Advisories Boards.

Village Commission	Planning & Zoning	Resident Advisory Boards	Special Magistrate, Town Hall, Etc.
1	1	5	3

PUBLIC NOTICES

The Village Clerk's Office issued a total of Ten (10) Public Meeting Notices during February of 2024. These notices include various types of meetings, including Town Hall, Village Commission Meetings, Workshops, Resident Advisory Boards Meetings, Special Magistrate Hearings, Sunshine Meetings, and Request for Proposals.

EXECUTION OF DOCUMENTS

ordinance	Resolutions	Agreements
1	8	6

MEETING MINUTES
Meeting minutes were prepared for the following:

Charter Review Board
* February 05, 2024
* February 15, 2024

Planning & Zoning Board
* January 16, 2024

Village Commission
* February 13, 2024

RESIDENT ADVISORY BOARD
Resident Jacob Petrini of the Community Enhancement Board was sworn in as a Board Member.

RECORDS MANAGEMENT
The first Batch of records has been taken off-site to commence the scanning of the Building Department property files. A total of 38 boxes were taken on the first trip.

2024 GENERAL ELECTIONS
The 2024 Candidate Information packet for the November 5, 2024 elections is now completed.

MEETING VIDEO/AUDIO UPGRADES - GRANICUS
Worked closely with our Village IT Director, Johnny Saavedra, to improve the video and audio quality for public meetings using the Granicus public portal. Additionally, we will be implementing other internal software upgrades for the Village Clerk Office staff, specifically for meeting bookmarks and meeting minutes. Staff will receive training on these upgrades in the coming week.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
None

PERSONNEL IMPACT
None

ATTACHMENTS

February 2024 PRR Log.pdf

Public Records Request Log - February 2023						
DATE	NAME (REQUESTOR)	DEPARTMENT	REQUESTED INFORMATION	COST	RESPONSE DATE (BUSINESS DAYS)	COMMENTS
2/1/2024	Theo Karantsalis	Police	provide a copy of the criminal investigation that prompted North Bay Village employees from running Mr. Glenn Rice through DAVID on May 3, 2022	N/A	2/22/2024	
2/1/2024	City of Atlanta, Georgia - Officer P. Lindberg	Human Resources	requesting information regarding individual Frandler Cella for background check	N/A	2/2/2024	
2/2/2024	Karen Charles	Police	Requesting BWC footage for case #202400000990	N/A		
2/5/2024	Danick Baron	Finance	All purchasing records from 11/14/2023 to current	N/A	2/6/2024	
2/6/2024	Maria Gonzalez	Police	Requesting BWC footage for case #202300053175	N/A	2/27/2024	
2/6/2024	Steven Bushouse	Building	requesting renovation plans, floor plans, and construction plans for	N/A	2/9/2024	
2/12/2024	Karina Barra	Police	requesting all traffic crash reports within the last 10 years (2014-2024) associated to the individual Paulo Seijas Leiva	N/A	2/15/2024	pending affidavit
2/14/2024	Stephanie LeCavalier	Police	records for any calls for service, arrests, accidents, contacts, citations, or incidents regarding Fabien Paris	N/A	2/15/2024	
2/13/2024	Belkis Martinez	Police	Requesting BWC for case #202300069051	N/A	2/13/2024	
2/13/2024	Cynthia Gonzalez	Police	Requesting BWC footage for case #202400007874	N/A	2/13/2024	
2/15/2024	Paul J Robert	Police	Requesting BWC footage for case #202300071775	N/A		

2/15/2024	Joe at Ptopertykey	Code Compliance	requesting the date range 12/15/2023 to 02/15/2024 of Code Violations records for North Bay Village	N//A	2/16/2024	
2/16/2024	Chelsea Asencio	Police	Requesting BWC Footage for case #202400002068	N/A	2/20/2024	
2/16/2024	Rexal Alzona	Finance	requesting all current employee/staff contact information	N/A		
2/19/2024	Major League Inspections LLC	Building	Requesting roof permit for property 1770 79th street	N/A	2/20/2024	
2/20/2024	Tara Jones	Police	Requesting BWC footage for case # 20240008601	N/A	2/20/2024	
2/20/2024	LS Intercondominium inc	Building	copy of the roofing permit for: North Bay White House Association No. 4 1770 79th street cswy North Bay Village, Fl, 33141	N/A	2/20/2024	
2/20/2024	Paul Magnes	Building	request the microfilm plans to the WIOD property	N/A		laser
2/20/2024	Jen Leon	Building	Any and all permits pertaining to the construction project by Shoma North Bay Village, LLC, Portfolio Number 23-3209-000-0250, Address is 1872 79 Street	N/A	2/22/2024	
2/21/2024	Lilian Gonzalez	Police	Requesting BWC footage for case #202400007743	N/A	2/21/2024	
2/21/2024	Anita Toombs	Police	Requesting BWC footage for case #202400008728	N/A	2/21/2024	
2/22/2024	Sadena Blatt	Village Clerk	request a written transcript of the February 13, 2024 North Bay Village Commission meeting	N/A	2/22/2024	
2/22/2024	Francesca Nobili	Building	Requesting approved site plans for Village Hall	N/A		Laser

2/23/2024	Yolaine Bonner	Building	requesting records of the last roof permit for the property located at 7710 Center Bay Dr.	N/A	2/29/2024	
2/23/2024	Lourdes Gomez	Police	copy of North Bay Village case number **202300052705**	N/A	2/27/2024	
2/26/2024	Andres Stolk-Cocco	Police	Requesting BWC footage dor case #202400009844	N/A	2/26/2024	
2/28/2024	Grilssel Leonard	Building	copy of the Fire Alarm plans for a permit pulled in 2008 for property 7939 East Dr	N/A	2/29/2024	
2/28/2024	Richard Oliver	Police	requesting police report case number : 2024 - 9133	N/A		
2/19/2024	Tal Katslog.com	Building	requesting structural plans for property 7513 W Treasure Drive	N/A	2/29/2024	

ITEM NO. 11.A

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Leo Cosio,

SPONSORED BY: Sponsored By: Commissioner Rachel Streitfeld and Commissioner Andy Daro

SUBJECT: Approval of a Resolution Amending Fee Schedule to Create Temporary Guest Parking Permit Fee, Create "No Trespassing" Sign Fee, and Provide a Conditional Rebate for Certain Base Permit Fees - ***Sponsored by Commissioner Rachel Streitfeld and Commissioner Andy Daro***

RECOMMENDATION

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA APPROVING AN UPDATED FEE SCHEDULE FOR ADMINISTRATIVE SERVICES, BUILDING FEES, AND ZONING FEES; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve the proposed fee schedule as presented.

BACKGROUND AND ANALYSIS

On December 9, 2019, the North Bay Village (the "Village") Commission adopted Resolution No. 2019-83 approving a fee schedule for administrative services, building fees, and zoning fees (the "Fee Schedule"). The Fee Schedule is amended from time to time to meet varying needs.

It is recommended that the Village Commission adopt the proposed Resolution amending the Fee Schedule to:

- create a temporary guest parking permit fee of $75.00 for on-street public parking for a duration not to exceed one month;
- create a "No Trespassing" sign fee; and
- provide a conditional 10 percent rebate on base Village building permit fees for certain

permits including but not limited to those for sustainable home improvements, referred to as the Resilient NBV Home Improvement Discount.

During the February 13, 2024 Commission Meeting, the Village Commission voted to amend the Transfer of Density (TDR) Value as follow:

* $90,000 for non-waterfront lots per unit.
* $100,000 for waterfront lots per unit.

Those amendments are reflected in this Fee Schedule update.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
TBD

PERSONNEL IMPACT
None

ATTACHMENTS
Resolution Amending Fee Schedule - March 2024.DOCX
Resilient NBV Home Improvement Discount.pdf
Master_Fee_Schedule_-_March_2024_.docx

RESOLUTION NO. 2024-_____

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA APPROVING AN UPDATED FEE SCHEDULE FOR ADMINISTRATIVE SERVICES, BUILDING FEES, AND ZONING FEES; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, on December 9, 2019, the North Bay Village (the "Village") Commission adopted Resolution No. 2019-83 approving a fee schedule for administrative services, building fees, and zoning fees (the "Fee Schedule"), which has been amended from time to time; and

WHEREAS, the Village Manager recommends that the Village Commission approve the revised, updated Fee Schedule as provided in Exhibit "A" attached hereto and incorporated herein in order to revise the fees consistent with the staff memorandum accompanying this resolution; and

WHEREAS, the Village Commission desires to approve the revised, updated Fee Schedule as provided in Exhibit "A" attached hereto and incorporated herein; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. Approval. That the Village Commission hereby approves the Fee Schedule attached hereto as Exhibit "A," which shall take effect immediately.

Section 3. Implementation. That the Village Manager and Village Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 4. Effective Date. That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by _____ who moved its adoption. The motion was seconded by _____ and upon being put to a vote, the vote was as follows:

Mayor Brent Latham _____
Vice Mayor Richard Chervony _____
Commissioner Goran Cuk _____
Commissioner Andy Rotondaro _____
Commissioner Rachel Streitfeld _____

PASSED AND ADOPTED on this 12th day of March, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Weiss Serota Helfman Cole & Bierman, PL
Village Attorney

North Bay Village
HEART OF THE BAY

To: The Honorable Mayor, Vice-Mayor, and Village Commission

From: Legislative Aide Chris Molina

Date: March 1, 2024

Re: Resilient NBV Home Improvement Discount

Executive Summary

This memorandum presents a comprehensive analysis of the proposed Resilient NBV Home Improvement Discount, an initiative championed by Commissioner Rachel Streitfeld. The discount aims to incentivize residents to undertake home improvement projects that enhance the resilience and sustainability of their properties. By offering a financially attractive incentive, this program encourages proactive measures to safeguard homes against potential environmental challenges and promote energy efficiency.

Scope and Eligibility

The Resilient NBV Home Improvement Discount applies to the following types of permits:

- Impact-resistant windows and doors
- Storm shutters
- Roof replacements or fortifications
- Generator installations (requiring structural, electrical, and potentially plumbing permits)
- Solar panel installations (requiring structural and electrical permits)

Financial Impact Assessment

PERMIT ITEM	TOTAL PERMITS PULED IN FY 23'	AVG. COST PER PERMIT	TOTAL AMOUNT RAISED FROM PERMITS PULLED	10% OFF PERMIT FEE	10% OF TOTAL PERMIT FEES RAISED
Impact Doors/Windows	39	$ 652.15	$ 25,434.01	$ 65.22	$ 2,543.40
Shutters	1	$ 192.15	$ 192.15	$ 19.22	$ 19.22
Roofs	32	$ 1,767.96	$ 56,574.72	$ 176.80	$ 5,657.47
Generators	1	$ 663.43	$ 663.43	$ 66.34	$ 66.34
Solar Installations (Structural)	2	$ 647.81	$ 1,295.61	$ 64.78	$ 129.56
Solar Installations (Electrical)	2	$ 125.00	$ 250.00	$ 12.50	$ 25.00
Totals for FY 23'	77	$ 1,096.23	$ 84,409.92	$ 109.62	$ 8,440.99
Projected FY 24' (Best Case Scenario)	154	$ 1,096.23	$ 168,819.83	$ 109.62	$ 16,881.98

Column1	TOTAL AMOUNT IN BUILDING FUND	TOTAL BUDGET FOR BUILDING DEPARTMENT
-	$ 1,122,364.84	$ 711,136.00
PERCENTAGE OF FUND LOST IF FY 23' (10%)	0.75%	1.19%
PERCENTAGE OF FUND LOST IF FY 24' BEST CASE (10%)	1.50%	2.37%

The Building Department, which operates as a self-sustaining entity, is expected to experience a manageable financial impact from the implementation of this discount program. Based on the previous fiscal year's data, the total amount of discounts applied, at 10%, would have been $8,440.99 representing a mere 0.75% of the department's **unaudited** fund balance of $1.1 million and 1.2% of its operating budget.

In a best-case scenario, assuming a twofold increase in eligible permit applications, the financial impact would rise to 1.50% of the total **unaudited** fund and 2.37% of the building budget. These figures remain well within reasonable limits, indicating the program's financial viability.

Recommended Discount Rate

After careful consideration, the staff and Village Manager recommend implementing a 10% rebate for eligible permits. At this rate, the projected discounts for the previous fiscal year would have amounted to $8,440.99, or 0.75% of the unaudited fund balance and 1.19% of the building budget. In the best-case scenario of a twofold increase in permit applications, the discounts would account for 1.50% of the total fund and 2.37% of the building budget – still within a manageable range and striking a balance between offering an impactful discount to applicants while minimizing operational impact to the Building Department’s revenue.

Resolution

By implementing the Resilient NBV Home Improvement Discount, the Village demonstrates its commitment to promoting sustainable and resilient practices among its residents. This initiative not only incentivizes environmentally responsible home improvements but also contributes to enhancing the overall resilience of the community.

We kindly request the Commission's consideration and approval of this program, as it aligns with the Village's goals of environmental stewardship, community preparedness, and proactive adaptation to potential challenges.

NORTH BAY VILLAGE

Fee Schedule

NORTH BAY VILLAGE
EST. 1945

~~*September 12, 2023*~~
March 12, 2024

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Name:	**Copies and Services**
Receiving Fund(s):	General Funds
Purpose:	To ensure the integrity of the municipal governance process, act as the official resource center while providing quality customer service to members of the public, Village Commission, and staff.
Fees/Computations:	

TYPE	Fee
Document printing not to exceed 8 ½ x12”	$0.15 per page, single sided $0.20 per page, double sided
Document printing exceeding 8 ½ x14” but not larger than 11 x 17”	$0.50 per page
Document printing for which the Village does not have the necessary equipment.	Actual cost to the Village of obtaining a copy from a third party and if obtaining the copy requires physical transmittal away from Village Hall, then the actual cost of courier service or labor costs incurred by or attributable to the Village for the clerical or supervisory assistance required for the transmittal shall likewise be charged.
Tape recordings – per cassette	$8.00
DVD/disk recordings, per DVD/disk	$10.00
Annual Audit	$10.00
Annual Budget	$15.00 – Bound $0.15 per page, single sided $0.20 per page, double sided
Certification of Copies	$1.00
Village Charter	actual cost plus mailing and handling fee
Village Code Book Supplements	$150.00 Actual Cost, plus mailing and handling fee
Zoning Code	$20.00
Notary Service	$8.00
Marriage Ceremony	$20.00
Open Permit Search	$25.00
Contractors’ Registration	$25.00

Fees/Computations continued:

Standard Lien Search	$100.00 $100.0
Special Event Permits	$100.00
Sewer Capacity Certification Letter	$75.00
Zoning Certification Letter	$75.00

In accordance with the provisions of Florida Statues § 119.07, with respect to public records requests, the Village is permitted and shall charge an extensive research fee whenever extraordinary time constraint is designated by the person requesting copies or research of public records, requiring extraordinary expenditure of time by the Village Clerk's office or other Village department acting as records custodian. To comply with the request, the Village clerk or other Village department acting as records custodian shall collect the cost of providing such extraordinary services (i.e., the extensive research fee) in advance and in addition to the fees, which shall be established, by the Village. For purposes of this section, the term "extraordinary expenditure of time" shall mean 15 minutes or more. The extensive research fee shall be calculated using the hourly wage of the employee performing such services.

Where fees are chargeable under this section but are not specifically set forth herein, the Village Manager is authorized to charge a fee or fees based upon the guidelines and standards set forth. Where feasible, the Village Manager shall promulgate a schedule of rates governing employees' times for extensive clerical or supervisory assistance. The Village Manager shall review the rate schedule at least every six months, commencing the first day of each fiscal year.

Any person desiring to obtain copies or review Village records, the nature or volume of which is such as to require extensive clerical or supervisory assistance, shall first make an appointment to do so with the Village Clerk.

No original document or tape recording shall be examined or reviewed other than in the presence of the Village Clerk, or designee thereof as custodian of the records of the Village. Any time spent by the Village Clerk, or designee of the Village Clerk supervising the review of original documents or tape recordings shall be deemed time spent in extensive clerical or supervisory assistance as defined in this section and shall be subject to the prescribed charges for the service.

Name:	**Development Approval Fee and Cost Recovery Deposit Schedule**
Receiving Fund(s):	
Purpose:	To ensure the integrity of the municipal governance process, act as the official resource center while providing quality customer service to members of the public, Village Commission, and staff.
Fees/Computations:	

Type of Request	Filing Fee	Cost Recovery Deposit*
Amendments		
Comprehensive Plan Text Amendment	$2,000	$15,000
Comprehensive Plan Future Land Use Map Amendment	$2,000	$15,000
Zoning Map Amendment	$2,000	$12,000
Unified Land Development Code Amendment	$2,000	$10,000
Site Plan Review		
Single Family Residential	$1,000	$2,000
Multifamily Residential and New Non-Residential including Planned Residential Development (PRD) - Base Fee**	$2,000	$15,000
Site Plan Modification (Commission review)		
Single Family Residential	$1,000	$2,000
Multifamily Residential and Non-Residential	$2,000	$8,000
Administrative Site Plan Modification (No commission review)		
Single Family Residential	$600	$1,000
Multifamily Residential and Non-Residential	$600	$4,000
Variances, Waivers and Administrative Adjustments (Per instance)		
Administrative Adjustment (Single Family)	$600	$2,000
Single Family Residential Variance	$1,000	$3,000
Multifamily Residential and Non-Residential Variance	$1,000	$5,000
Sign Variance	$1,000	$2,000
Alcoholic Beverage Sales Variance	$1,000	$3,000
Waiver ***	$600	$1,500
Extension of Waiver ***	$300	$500
Use Exceptions and Warrants		
Single Family Residential Use Exception	$1,000	$2,000
Multifamily Residential and Non-Residential Use Exception	$1,000	$4,000
Warrant ***	$600	$1,500
Extension of Warrant ***	$300	$500

Fees/Computations continued:

Type of Request	Filing Fee	Cost Recovery Deposit*
Renewals/Resubmissions of Site Plans, Variances, and Use Exceptions ****		
Single Family Residential and Existing Non-Residential	50% of original filing fee	$1,000
Multifamily Residential and New Non-Residential	50% of original filing fee	$2,000
Other Requests		
Dock Application	$300	$,2000
Appeal of Administrative Decision	$600	$3,000
Preliminary and Final Plat	$1,000	$10,000
Waiver of Plat	$1,000	$4,000
Transfer of Density Rights Application	$150	$500
Preapplication Conference	$150	$2,000
Zoning and Land Use Verification	$150	$150
Official Interpretation of Unified Land Development Code	$150	$1,000
* In accordance with Section 5.12, “Filing fees, charges for consultant services, and escrow account” of the North Bay Village Unified Land Development Code (ULDC), the applicant is responsible for the actual cost of professional review services for development applications, including but not limited to: engineering, planning, legal, technical, environmental, etc. Regardless of the outcome, these review costs shall be deducted from the cost recovery deposit. Depending on the level of effort involved in the review, should the cost exceed the initial deposit, the applicant shall be required to replenish the cost recovery deposit. However, if the cost recovery deposit is not entirely expended, the remaining balance will be refunded to the applicant. Filing fees are not refundable.		
** Add base fee to the appropriate additional fee for the total filing fee.		
*** Per Sec. 15.1.H. of Chapter 15, Form-Based Code, of the ULDC		
****If, in the opinion of the Village Manager or his/her designee, the resubmitted project is so substantially modified as to represent a new project on the same property, the resubmission fee shall be equal to the original filing fee appropriate to the particular project.		
Note: In addition to application fees and cost recovery deposits, applicants shall be responsible for the cost of all required advertising and mailing of notices.		

Name:	**Community Contribution Fees Associated with Development Approvals**
Receiving Fund(s):	
Purpose:	Community contribution fees collected according to following schedule shall be utilized for the purchase and improvement of existing or future Village parks, land for additional public open space, other public amenities, beautification projects, or infrastructure improvement projects.
Fees/Computations:	

Community Contribution Fees for
Additional Density in the T6 Transect Zone (Sec. 15.2,H.) *

1. The initial community contribution fee is $20,000.00 per additional unit of density above the base density of 70 units/acre. This fee amount shall be reviewed and, as necessary, adjusted by the Village Commission on the recommendation of the Village Manager as part of the annual budget process.
2. Projects shall be categorized as either Tier 1 (71-120 units/acre) or Tier 2 (121-150 units/acre).
3. Community contribution fees for additional units of density shall be calculated and assessed by the Village based on the following schedule, unless otherwise stipulated by the Village Commission:

	% of Fee Assessed	
	Tier 1 (71-120 u/ac)	Tier 2 (210-150 u/ac)
With site plan approved within 12 months from effective date of Chapter 15 of the ULDC (Form-Based Code)	0%	25%
With site plan approved between 12-18 months from effective date of Chapter 15 of the ULDC (Form-Based Code)	25%	50%
With site plan approved within 18-24 months from adoption date of Chapter 15 of the ULDC.	50%	75%
With site plan approved 2 or more years from adoption date of Chapter 15 of the ULDC.	100%	100%

4. Twenty-five percent (25%) of the total assessed Community Contribution Fee shall be payable within 90 days of Commission approval of the site and development plan and shall be nonrefundable.
5. The remaining seventy-five percent (75%) of the Community Contribution Fee shall be payable prior to or upon the issuance of a building permit and shall be non-refundable.
6. The Community Contribution fee shall be flat on a per-unit-of-additional-density basis.

Fees/Computations continued:

Community Contribution Fees for Bonus Height in the RM-70 and CG Zoning Districts (Sec. 8.12) *
Community contribution fees for bonus height shall be calculated and assessed by the Village based on the following schedule, unless otherwise stipulated by the Village Commission.
(a) Residential and Hotel/Motel Uses
For every 10 feet of bonus building height approved by the Village Commission: • $750.00 per residential dwelling unit in the building • $250.00 per hotel/motel sleeping unit in the building
(b) Office, Retail or Restaurant Uses
$10.00 per square foot that exceeds maximum base height (excluding uncovered steps and exterior balconies).

Community Contribution Fees for Transfer of Density Rights (TDR) Program (Sec. 8.13) *
$90,000.00 per nonwaterfront transferred density unit, and $100,000.00 per waterfront transferred density unit approved by the Village Commission. **

* Community Contribution Fees to be reviewed annually and adjusted as necessary by the Village Commission on the recommendation of the Village Manager during the budget process.
** The Community Contribution Fee for Transfer of Density Rights shall be paid to North Bay Village within 90 days of site plan approval by the Village Commission.

Name:	**Building and Permits Fees**
Receiving Fund(s):	Building Fee Fund
Purpose:	The Building Department serves to protect the health, safety, and welfare of the public; and to enhance the general quality of life through interpretation and enforcement of the Florida Building Code, as well as other applicable regulations governing construction and land use.
Fees/Computations:	No person shall erect or construct or proceed with the erection or construction of any building or structure, nor add to, enlarge, move, improve, alter, convert, extend or demolish any building or structure, where the cost of the work is more than $500.00 without first obtaining a building permit. Exception: Any construction activities, regardless of the value, that includes structural, electrical, plumbing, or mechanical work, shall require a permit. Applicants are entitled to receive a 10% rebate of base permit fees for the following permit types: impact windows and doors, shutters, roofs, generators, and solar installations. All municipal permit fees are waived for Village projects.

Type	Fee
Upfront Application fee for Building Permit	$125.00 non-refundable
Base Permit Fee Exceeds $400.00	Non-refundable plan review fee equal to one-third of the base building permit fee (including electrical, plumbing, and mechanical) paid at the time of submittal of the building permit application. This fee shall be applied to the total fees at the time of issuance of the building permit. Should a building permit not be issued, this fee shall not be refunded.
Engineering Plan Review	$125.00 per hour or the actual cost of engineering services to the Village shall be passed through and imposed upon the contractor or owner by the Village Building Department to fully offset all fees and costs incurred by the Village in providing the structural engineering review mandated by Miami-Dade County.
Zoning Plan Review	$125.00 per hour or the actual cost of zoning services to the Village shall be passed through and imposed upon the contractor or owner by the Village Building Department to fully offset all fees and costs incurred by the Village in providing the zoning review mandated by the Village Code.

These fees shall be paid by the contractor or owner to the Village prior to the issuance of a permit and shall, if not paid, constitute a lien upon the property for which a building permit is sought. These fees shall be due and payable without regard to whether or not a permit is issued by the Building Department.

If the applicant has not picked up the resulting building permit within 180 days of receipt of notice from the Village that the application is approved and ready for pick up, then the Village may close the application out and maintain the proper records as required by Florida Statutes. An applicant wishing to receive a permit after the 180-day period must reapply with a new application. There shall be no refund of any prior payments or fees if the application has expired.

Name:	**Building and Permits Fees (cont'd.)**
Receiving Fund(s):	Building Fee Fund
Purpose:	The Building Department serves to protect the health, safety, and welfare of the public; and to enhance the general quality of life through interpretation and enforcement of the Florida Building Code, as well as other applicable regulations governing construction and land use.
Fees/Computations:	For purposes of determining the permit fee, the value of the work to be performed under the permit shall be determined as follows: For new construction of and additions to the Florida Building Code occupancies, the construction value of the work shall be the current values established by the Miami-Dade Board of County Commission. For miscellaneous permit activity not otherwise provided for in this section, including but not limited to repair, or alterations, or changes to electrical service, the value of the work shall be the actual value of such work as determined by the applicant and approved by the Building Official. The applicant shall be responsible for accurate reporting of the value of the work, and the reported value shall be subject to review and verification by the Building Official. Copy of executed contract required for all permits. Owner/Builder permits are exempt from contract requirements. Minimum Permit Fee for all disciplines $125.00.

Type	Fee
New buildings and/or additions including, but not limited to, residential, mixed-use residential, residential/office, mixed-use office, institutional, educational, hotels, and condo-hotels:	**2% of the value of a job (based off of executed contract).** Plus additional fees for electrical, plumbing, and mechanical and sign permits as listed herein.
New Commercial Construction including but not limited to industrial, parking garage, and warehouses:	**2% of the value of a job (based off of executed contract).** Plus additional fees for electrical, plumbing, mechanical, and sign permits as listed herein.
New Construction Other Than as Specified Herein (water towers, pylons, bulk storage tank foundations, sea walls, bulkheads, docks, and similar construction):	**2% of the value of a job** Plus additional fees for electrical, plumbing, mechanical, and sign permits as listed herein.
New Metal-Wood and/or Prefab Storage Sheds and Utility Buildings:	**Flat fee $125.00** Plus additional fees for electrical, plumbing, mechanical, and sign permits as listed herein.

Name:	**Building and Permit Fees (cont'd)**
Receiving Fund(s):	Building Fee Fund
Purpose:	The Building Department serves to protect the health, safety, and welfare of the public; and to enhance the general quality of life through interpretation and enforcement of the Florida Building Code, as well as other applicable regulations governing construction and land use.
Fees/Computations:	The following fees shall apply to building permits only and shall not include fees for plumbing, electrical, or mechanical installation. Alterations, remodeling, and repairs to building and other structures:

Type	Fee
Single-family homes, duplexes, and areas within a residential condominium unit (including repairs due to fire damage)	Estimated value times 1.5 percent.
Multifamily Residential (including repairs due to fire damage)	Estimated value times 1.5 percent.
Commercial occupancy (including repairs due to fire damage)	Estimated value times 3 percent.
Installation of exterior operable windows and exterior sliding glass door in new buildings or additions exceeding two stories in height, and the installation, alteration, and repair of such windows and doors in existing buildings of any height, as follows: New installation or replacement	Estimated value times 5.0 percent. If the building is included in a master building permit issued by the Village: Estimated value times 3.0 percent.
Painting of single-family dwellings, duplexes	Estimated value times 2.5 percent.
Painting of multi-family and commercial buildings	Estimated value times 5.0 percent.
Curtain walls including windows and doors therein	Estimated value times 5.0 percent. If the building is included in a master building permit issued by the Village: Estimated value times 3.0 percent.
Roofs (including re-roofing)	Estimated value times 5.0 percent. If the building is included in a master building permit issued by the Village: Estimated value times 3.0 percent.
Storm shutters	Estimated value times 5.0 percent
Awnings, canopies, residential patios or carports (with Fire Bureau approval)	Estimated value time 3.0 percent

Fees/Computations: Continued

Type	Fee
Building moving or other structures	Each 100 square feet or fractional part thereof $20.00. Minimum $250.00
Construction trailer and sales model	$250.00 per trailer
Fences and/or walls on private property	Estimated value times 5.0 percent.
Fence located on public property	$100.00 for first 50 feet Plus $20.00 for each additional 50 feet or a fraction thereof
Vacant lot fence annual inspection	$250.00 per calendar year
Demolitions	Estimated value times 5.0 percent.
Construction dumpsters (Containers for the placement of construction debris shall not be placed within the public right-of-way without prior authorization by the Building & Zoning Department). Violation of this section shall be governed by Chapter 153 of the Village Code.)	$100.00 flat fee
Sandblasting	$125.00
All paving in connection with residential or commercial work, including concrete drives.	Estimated value times 5.0 percent. If the building is included in a master building permit issued by the Village: Estimated value times 3.0 percent.
Asphalt resurfacing (including restriping):	Estimated value times 3 percent.
Concrete slabs	Estimated value times 5.0 percent. If the building is included in a master building permit issued by the Village: Estimated value times 3.0 percent.
Job site lost permit card replacement	$50.00
Certificate of occupancy, temporary or final (required or requested), permit fee per unit	$180.00

Fees/Computations: Continued

Type	Fee
Certificate of completion	$180.00
Change of Contractor	$125.00
Elevators, escalators and other transporting devices	Estimated value times 5.0 percent. If the building is included in a master building permit issued by the Village: Estimated value times 3.0 percent.
Decibel meter reading to determine the sound level of mechanical equipment.	$125.00 Prepaid fee, per site visit or event
Air conditioning and refrigeration, including the relocation of equipment	Estimated value times 5.0 percent. If the building is included in a master building permit issued by the Village: Estimated value times 3.0 percent.
Land clearing	$125.00 each 5,000 square feet of area or fraction thereof
Soil solidification in any form	$125.00 Flat Fee
Solar energy systems	See electrical and plumbing fee schedules
Swimming pools (including in-ground, above-ground, and spa)	Estimated value times 3.0 percent
Signs (including, but not limited to, projecting signs, flat signs, painted on wall signs, storefront signs, pylon signs, wall-mounted signs non-illuminated and illuminated, and all interior signs visible from the exterior of premises occupied such as shopping centers and malls): Note: illuminated signs are required to obtain an electrical sub-permit.	Estimated value times 3%

Fees/Computations: Continued

Type	Fee
Inspection Fees	(a) First inspection and first re-inspection included as part of the permit fee, no additional charge. Second re-inspection and each subsequent re-inspection, $75.00. (b) Repairs or corrections not made when inspection is called $75.00. (c) Work not ready for inspection when called, $75.00. (d) The payment for re-inspection fees, correction of workmanship or violations, shall be made before any further permits will be issued to the person responsible for or owing same. (e) No permit will be required for general maintenance or repairs which do not change the occupancy, and value of which is less than $500.00 in labor and materials. No permit is required for the construction or repair of any roof covering if less than 200 square feet in area.
Filming	Purpose and objectives. (a) *Definitions.* For the purpose of this chapter, the following definitions shall apply unless the context clearly indicates or requires a different meaning: *Film or filming* means any and all still, live or motion picture productions whether made on or by film, electronic tape or any other electronic device used to produce theatrical motion pictures, television entertainment motion pictures, industrial motion pictures, television commercials or print media. Filming shall include the erection and dismantling of the equipment associated therewith. *Permit* means a permit issued by the Village in accordance with the terms of this article. *Village Manager* means the Village Manager or authorized designee. (b) Applicability of article. This article shall apply to all the lands within the Village's jurisdiction, whether public or private. (c) Permits.

Fees/Computations: Continued	Type	Fee
	Filming	1. Permit required; display. No person shall film within the Village without first applying for and obtaining a permit from Miami-Dade County and the Village. All permits shall be conspicuously displayed at the filming location. 2. Permit application. Applications for a permit: i. Shall be on the form provided by the Village. ii. Shall identify the applicant. iii. Shall identify the locations where filming is going to be conducted. If the applicant is the owner of the property where filming is going to be conducted, the city shall require proof of ownership, such as the deed, or if the applicant is not the owner, then the Village shall require the owner's sworn consent to the filming and proof of ownership. Shall require that the applicant provide evidence of public liability insurance in the minimum amount of $1,000,000.00 or as otherwise established by the Village. All insurance policies shall name the Village as an additional insured. v. Shall include a parking plan for automobiles, trucks, and other vehicles connected with the filming. vi. Shall include a site plan for the locations where filming will be conducted. vii. May, at the discretion of the Village Manager, require that the applicant post a cash bond to be determined by the Village Manager and be held by the Village to be used, if necessary, to repair damage to public property caused by the filming. 3. Limitations on permits. Permits issued by the Village shall be subject to the following: i. No filming shall be permitted from 11:00 p.m. to 7:00 a.m. ii. Other limitations as specified by the Village Manager depending on the location and type of filming such as requiring off-duty police officers to be present during filming.

Fees/Computations: Continued	Type	Fee
	Filming	4. Permit fees. A permit fee in the amount of $200.00 per day shall be due and payable at the time of permit application. Permit fees shall be doubled for all filming, which is done without first obtaining a permit. The additional fee shall be imposed as a penalty. 5. Permit criteria. A filming permit shall be granted unless the Village Manager finds that the proposed filming: i. Unduly impedes governmental business or public access; ii. Conflicts with previously scheduled activities; or iii. Imperils public safety. (d) Notice to property owners prior to filming. Forty-eight hours prior to commencing any permitted filming, the permit holder shall notify in writing all property owners within 300 feet of the filming location. The notice to owners shall include but not be limited to the location, date, hours and subject matter of the filming. (e) Penalty for violation of article. Any person who violates the provisions of this article shall be subject to a $500.00 fine and revocation of the permit. (f) Exemptions from article. The following shall be exempt from the provisions of this article: 1. Individuals filming or videotaping only for their own personal or family use. 2. Employees of print or electronic news media when filming ongoing news events. This exception shall not apply to simulations or reenactments orchestrated by print or electronic news media.

Fees/Computations: Continued

Type	Fee
Filming	3. The filming proposed to be done as a result of the variance will be conducted in accordance with all standards in this article other than those for which a variance is being granted. (h) Appeals. Any person aggrieved by the terms of a permit issued by the Village Manager, by the decision not to issue a permit, by the revocation of a permit or by the denial of a variance may, within ten days of the decision, appeal to the Village Commission, whose decision shall be final.
Special Event permit – Non-profit/Government	Below 50 people: $0.00 Between 50-300 people: $100.00 Over 300 people: $125.00
Special Event permit – For Profit	Below 50 people: $100.00 Between 50-300 people: $200.00 More than 300 people: $300.00
Additional Event fees (all events)	Off-Duty Police Officer: $50.00 per hour per officer for a minimum of 4 Hours, plus $25.00 Administrative fee Road Closures/Right of Way Closures: Fee subject to location and area size. Late Application Fee: $100.00
Plumbing permits (including water, sewer, and gas)	Estimated value × 5.0 percent. If the building is included in a master building permit issued by the Village: Estimated value × 3.0 percent.
Solar heating systems and designs	Fee computed as per building fee schedule, subsection (4). Note: Due to many variable designs and applications a separate electrical permit may be required.
Electrical permits	Estimated value × 5.0 percent. Permit fee if the building is included in a master building permit issued by the Village: Estimated value × 3.0 percent.

Fees/Computations: Continued

The following fees shall be charged in addition to the permit fees set forth above:

Type	Fee
Updating of the information technology system: A surcharge fee equal to five percent of the Total Permit Fees shall be charged for the development, maintenance, and updating of an information technology system. This fee will be deposited into an enterprise account to support the information technology system for the Building and Zoning Department.	Minimum $5.00 Maximum $500.00
Document preservation fee to microfilm and maintain record of all building plans for future use Note: Fee will be waived for electronically submitted plan reviews	Pages up to 8.5″ × 14″, per page $0.25 Pages larger than 8.5″ × 14″, per page $1.00 Maximum $500.00
Building Department Training and Education Surcharge	$0.25 per $1,000.00 cost of construction. Fee to be collected on master permit and/or stand-alone permit.
Extended construction hours fee	Per Village Code Section 96.15, the Village Manager may set fees for extended construction hours requests based on the expected consumption of Village resources and staff time.
Use of Right-of-Way permit	$150.00 for every five day period

A permit shall expire and become null and void if the work authorized by the permit is not commenced within 180 days from the date of issuance of the permit or if the work when commenced is suspended or abandoned at any time for a period of 180 days.

Work shall be considered to have commenced and be in active progress when in the opinion of the Building Official a full complement of workmen and equipment is present at the site to diligently incorporate materials and equipment into the structure throughout the day on each full working day, weather permitting until the structure is completed.

Such work on only one day or testing shall not be considered commencement of work. If the work covered by the permit has not commenced or has been commenced and been suspended or abandoned, the Building Official may extend such permit for a single period of 180 days from the date of expiration of the initial permit if request for extension is made and received by the city prior to the expiration date of the initial permit. If the work covered by the permit has commenced, is in progress, has not been completed and is being carried on progressively in a substantial manner in accordance with the definition set forth herein, the permit shall be in effect until completion of the job.

Fees/Computations: Continued

If work has commenced and the permit becomes null and void or expires because of a lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work. If a new building permit is not obtained within 180 days from the date the initial permit became null and void, the Building Official shall require that any work which has been commenced or completed be removed from the building site; or he may issue a new permit, on application, providing the working place and requirements to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

The fee for renewal, re-issuance, and extension of permit shall be:

Within six months of the expiration date	50 percent of the original base permit fee plus a $125.00 Administrative Processing Fee.
After six months of the expiration date,	100 percent of the original base permit fees plus a $125.00 Administrative Processing Fee.
Extension of a permit before the expiration date,	$125.00.

Flood Plan Review	$110.00 per hour or the actual cost of engineering Flood plan review services to the Village shall be passed through and imposed upon the contractor or owner by the Village Building Department to fully offset all fees and costs incurred by the Village in providing the flood review mandated by FEMA.

Name:	**Business Tax Receipts**
Receiving Fund(s):	General Funds
Purpose:	To ensure the integrity of the municipal governance process, act as the official resource center while providing quality customer service to members of the public, Village Commission, and staff.
Fees/Computations:	The following fees shall apply to Business Tax Receipts:

Type	Fee
All Applications and Renewals for Business Tax Receipts will be charged an administrative fee over the fees listed below.	$ 25.00
ABSTRACT, land title warranties or security companies	$ 275.00
ACCOUNTANTS AND AUDITORS	$ 125.00
ADMINISTRATIVE OFFICE	$ 125.00
AGENTS, bureau, brokers, operators, or dealers of all kinds, including commercial, insurance, real estate, loans, claims, transportation, manufacture, or any other kind of *business* or occupation except pawnbrokers, for each class of *business* handled, each firm.	$ 125.00
ADVERTISING PRODUCTS & SERVICES	$ 125.00
For each individual connected therewith as a salesperson	$ 37.00
ALCOHOLIC BEVERAGE VENDOR CERTIFICATE FEES (REGULATORY).	
a- Establishment selling beer and wine, for consumption off premises (no food)	$ 150.00
b- Establishment selling beer, wine, and/or liquor for consumption on premises	$ 750.00
c- Establishment selling beer and wine for consumption on premises	$ 150.00
d- Extra-hour establishment selling beer, wine and/or liquor for consumption on premises	$ 2,500.00
ADULT CONGREGATE LIVING FACILITY	$ 780.00
ANIMAL KENNEL	$ 125.00
APARTMENT HOUSES	
a- Containing three or more apartment units shall pay the following minimum fee covering first 15 rooms	$ 125.00
b- For each additional room over 15, counting every room that can be leased or rented, not included kitchens and bathrooms	$ 5.00
ARCHITECTS	$ 125.00

Fees/Computations: continued

Type	Fee
ARTISTS, including retouching, sketching, cartooning, crayon or ferrotype or other similar line	$ 62.00
ATTORNEYS	$ 125.00
AUDIO VISUAL PRODUCTION SERVICE	$ 125.00
AUDITING FIRM	$ 125.00
AUTOMATIC TELLER MACHINES	$ 150.00
AUCTION SALES (GENERAL) (BONDED) PER DAY	$ 60.00
AUCTION STORE (BONDED) Section 117.04 states: "An annual business tax is hereby imposed upon auctioneers for goods, wares, and merchandise sold at auctions by the owner, agent, the	$ 1,750.00
AUTOMOBILES	
a – Dealers	$ 125.00
b - Rental Agencies	$ 125.00
AUTOMOBILES FOR HIRE, except sightseeing buses, per auto	$ 100.00
Plus, per vehicle	$ 75.00
Private school and nursery buses, per bus	$ 62.00
AUTOMOBILE PAINT SHOP (alone or in connection with any other *business*	$ 125.00
AUTOMOBILE TOWING, the following *businesses* located and certificated in the Village are exempt from this *tax* if the towing of automobiles is incidental to the operation of their *business* auto repair shop, service or filling station, and automobile agency, for the first three trucks	$ 225.00
Plus, for each additional truck	$ 75.00
AUTOMATIC COIN GAMES. (SEE MARBLE MUSIC, PICTURE MACHINES AND VIDEO)	
AUTOMATIC COIN-OPERATED LAUNDRY WASHING MACHINE DISTRIBUTOR, where machines are not used in connection with certificated laundry	$ 175.00
Each machine	$ 5.00
a - AUTOMATIC COIN-OPERATED LAUNDRY MACHINES, not otherwise certificated, upon persons maintaining the same, or the proprietor thereof, each machine	$ 5.00
b - AUTOMATIC COIN-OPERATED CLOTHES DRIERS, not otherwise certificated, or the operator thereof, where machines are not used in connection with certificated laundry, each machine	$ 5.00

Fees/Computations: continued	Type	Fee
	BAKERY (manufacturing) employing five persons or less	$ 100.00
	BAKERY GOODS MARKET (Retail) or Department, within the meaning of this section shall be construed as any place of *business* where bakery goods are sold at retail, for such *business* contained within a retail establishment	$ 50.00
	And for a standalone establishment	$ 125.00
	BARBER SHOPS AND BEAUTY SHOPS	
	Each shop (minimum)	$ 125.00
	Per chair	$ 25.00
	BICYCLES, rent and repair	$ 100.00
	BOAT LIVERY renting not over eight boats, jet ski, surfboards	$ 75.00
	For each additional five boats, jet ski, surfboards or additional portion thereof	$ 43.75
	BOATS AND SHIPS	
	a- storage basins and sheds	$ 375.00
	b- sightseeing or excursion	$ 375.00
	c- boat sales	$ 375.00
	BONDSMAN—professional, each one should pay	$ 125.00
	BOOT AND SHOE REPAIR SHOP	$ 75.00
	BROADCASTING	
	a- Cable Television	$ 1,050.00
	b- Radio	$ 1,000.00
	c- Television	$ 1,500.00
	BUILDING AND LOAN ASSOCIATIONS; MORTGAGE COMPANIES; SAVINGS AND LOAN ASSOCIATIONS; BANKS CHARTERED BY THE STATE OF FLORIDA OR THE UNITED STATES OF AMERICA, AND EACH BRANCH THEREOF	$ 500.00
	BURGLAR ALARM/MONITORING COMPANY	$ 125.00
	BUTCHER/BUTCHER SHOP	$ 125.00
	CANDY AND CONFECTIONERY MAKERS employing five persons or less	$ 125.00

Fees/Computations: continued	Type	Fee
	CARPET CLEANING	$ 150.00
	RENTAL (per machine)	$ 10.00
	CARPET INSTALLERS, FLOOR COVERING, CARPET, TILES, GLASS, ETC.	$ 125.00
	CAR WASH	$ 200.00
	CATERER	$ 125.00
	CHECK CASHING	$ 200.00
	CHEMISTS	$ 125.50
	CHIROPODIST (See division (A)(88) Podiatrists)	$ 125.00
	CHIROPRACTORS	$ 125.00
	COIN-OPERATED MERCHANDISE OR SERVICE VENDING MACHINES, except machines vending newspapers, drinking cups or postage stamps not otherwise provided for herein (distribution)	$ 125.00
	Each $0.01 machine 6.50	
	Each $0.02 through $0.15 machine 6.25	
	Each machine $0.16 and over 6.25	
	"Provided, further, that any person placing and maintaining any coin-operated newspaper vending machine or device in any public place shall procure and file with the Village Manager, or his designee, a liability insurance policy insuring such person for injury to the public caused by such machines in the sum of $10,000.00 for injury to any one person in the same accident, and $20,000.00 for injury to more than one person in the same accident, and $1,000.00 property damage in any one accident."	
	COMMERCIAL SANITATION SERVICES	$ 400.00
	COMPUTER DESKTOP PUBLISHING AND/OR VIDEO EDITING	$ 125.00
	COMPUTER RELATED SERVICES (not elsewhere classified)	$ 125.00
	CONSULTANT	$ 125.00
	CONTRACTORS	$ 250.00
	COURIER	$ 125.00

Fees/Computations: continued

Type	Fee
DANCE STUDIOS (where lessons are given to students, State certification required prior to issuance of license	$ 125.00
DATA PROCESSING SERVICE AGENCY	$ 125.00
DATA PROCESSING SOFTWARE DEVELOPMENT	$ 125.00
DAY CARE	$ 200.00
DENTISTS	$ 125.00
DETECTIVES, INCLUDING CIVIL, COMMERCIAL, CORPORATION, CRIMINAL, INDUSTRIAL, INSURANCE, RAILROAD AND OTHER SIMILAR INVESTIGATIONS	$ 125.00
DIETICIANS	$ 125.00
DOCTORS, PHYSICIANS, AND THE LIKE	$ 125.00
DOG GROOMING OR SMALL ANIMAL CLINIC OR PET SHOP EXCLUDING THE SALE OF DOGS	$ 125.00
DRESSMAKING/ALTERATIONS (no saleable stock without merchants license	$ 125.00
DRY CLEANING AND LAUNDRY (on premises)	$ 175.00
ELECTRICAL ENGINEERS	$ 125.00
ELECTROLOGISTS	$ 125.00
ELECTROLYSIS	$ 125.00
EMPLOYMENT AGENCY	$ 125.00
ENGINEERS (state license required)	$ 125.00
ENGRAVERS	$ 125.00
EXTERMINATORS, INSECT AND VERMIN	$ 175.00
FILM INDUSTRY	$ 150.00
FISH MARKETS	$ 150.00

Fees/Computations: continued	Type	Fee
	FLORISTS, subject to the provisions of Chapter 35 of this Code	$ 100.00
	FRUIT AND VEGETABLE MARKETS OR DEPARTMENTS, within the meaning of division (A)(48) of this section, shall be construed as any place of *business* where undried fruits and vegetables are sold at retail	$ 200.00
	FRUIT, NUT, AND THE LIKE, PACKING, SHIPPING, whether operated in connection with any other *business* or not, subject to the provisions of this Code	$ 200.00
	GARAGE, PUBLIC, for storage, repairing of automobiles, trucks and other motor vehicles, in addition, garages or service stations, selling accessories also require a merchant's receipt and garages must pay agent's *business tax* for each make of car for which they are authorized agents	$ 200.00
	GARDENER (see Landscape Maintenance)	
	GROCERY STORES, within the meaning of this section, shall be construed as any place of a *business* where groceries and food products are sold at retail	
	a- Under 5,000 square feet	$ 468.75
	b- Over 5,000 square feet	$ 781.25
	HAIRDRESSING (see Beauty Shops)	
	HALL FOR HIRE	$ 125.00
	HELIPORTS	$ 250.00
	HOMEOPATHIC PHYSICIANS	$ 125.00
	HOTELS	$ 500.00
	ICE CREAM, makers or manufacturers of	
	a- Employing five persons or less	$ 125.00
	b- Employing more than five persons	$ 150.00
	CERTIFICATES TO BE PAID BY INSURANCE COMPANIES:	
	A *business tax* in the amount of $125.00 shall be required to be paid by all insurance companies conducting or engaging in *business* in the Village.	$ 125.00
	INTERIOR DESIGNERS/DECORATORS	$ 125.00

Fees/Computations: continued

Type	Fee
JEWELERS shall be required to pay merchants *business tax*	$ 125.00
LABORATORIES, chemical, dental, optical or x-ray	$ 200.00
LABORATORY TECHNICIANS	$ 125.00
LANDSCAPE MAINTENANCE	$ 75.00
MARBLE MACHINES, ELECTRONIC GAMES, PICTURE MACHINES, VIDEO, AUTOMATIC COIN GAMES, or devices of skill or other similar machines or games operated for profit. Every person selling, leasing or renting one or more marble machines, electronic game, automatic coin game, video game, or device of skill or other similar machine or games (not in excess of three at any one location) for, or in connection with any other *business* shall, as a prerequisite, be required to pay a *business tax* of	$ 125.00
MASSEURS	$ 125.00
MEAT MARKETS OR MEAT DEPARTMENTS, within the meaning of this subsection shall be construed as any place of *business* where fresh meats, poultry or processed meats are sold at retail	$ 150.00
MECHANICAL ENGINEERS	$ 125.00
MERCHANTS, all persons engaged in the *business* of selling merchandise of any kind, sort or description, except as otherwise specifically provided by this section, shall be required to pay a merchant's *business tax*	$ 125.00
MESSENGER SERVICE, exclusive of telegrams	$ 100.00
MIRRORS/GLASS, makers or manufacturers of:	
a- Employing five persons or less	$ 125.00
b- Employing more than five persons	$ 150.00
MONEY ORDER AGENCIES	$ 50.00
MONEY TRANSFER AGENCY	$ 150.00
MOTION PICTURE/VIDEO RENTAL AGENCY	$ 200.00
MUSIC, furnished by telephone wire	$ 187.00

Fees/Computations: Continued	Type	Fee
	MUSIC BOXES, MECHANICAL PHONOGRAPHS, CONSOLES, JUKE BOXES or other similar machines. Every person selling, leasing or renting one or more music box, mechanical phonograph, console, juke box, or other similar machine along or in conjunction with any other *business* shall, as a prerequisite, be required to pay *business taxes* as follow:	
	a- The applicant (distributor) desiring to sell, rent or lease one or more music box, mechanical phonograph, console, juke box or other similar machine shall file with the license department in person, if a natural person, or by duly authorized agents of the firm or corporation a *business tax* receipt to do *business* in the Village. Such receipt shall be issued to the applicant to engage in the selling, leasing, or renting of music boxes, mechanical phonographs, consoles, juke boxes or other similar machines alone or in connection with any other *business* upon the payment of a *business tax*	$ 625.00
	b- In addition to the foregoing, there shall be imposed upon music boxes, mechanical phonographs, consoles, juke boxes, or other similar machines sold, leased or rented as aforesaid a *business tax* as follows: On each of the first 35	$ 125.00
	c- For operating a music box, mechanical phonograph, console, juke box, or other similar machine where the operator thereof is not engaged in the *business* of selling, leasing, or renting any of such devices and where the operator of such device is the owner, thereof, there shall be paid a *business tax*	$ 125.00
	Provided, however, that where such music box, mechanical phonograph, console, juke box or other similar machine is operated by coin receiving remote control selector unit or device used in connection with such music box, mechanical phonograph, console, juke box, or similar machine an additional *business tax*	$ 12.25
	Provided, however, that before any such music box, mechanical phonograph, console, juke box, or other similar machine is so operated or used, a metal tag for each of same must be obtained from the Village Manager, or his designee, and must be affixed to the instrument or machine in a conspicuous place by the *business tax* receipt, such tag to be numbered serially and bear such appropriate inscription as the Village Manager, or his designee, may designate. Failure by the receipt holder to affix or cause to be affixed such tags to such instrument machine so certificated shall constitute a violation of this chapter.	

Fees/Computations: Continued

TYPE	FEE
NEWS DEPOT, not in connection with other *business*	$ 75.00
NEWSPAPERS OR PERIODICALS	
a- Employing five persons or less	$ 125.00
b- Employing more than five persons	$ 150.00
NIGHTCLUBS	$ 2,500.00
NURSING HOMES, PRIVATE HOSPITAL AND CONVALESCENT HOME	$ 1,000.00
OPTICIANS	$ 125.00
OPTOMETRISTS	$ 125.00
OSTEOPATHS	$ 125.00
PARALEGALS	$ 125.00
PAWN SHOPS	$ 250.00
PHARMACISTS	$ 125.00
PHOTOGRAPHERS, not itinerant, including developing and printing or agencies for same or both	$ 125.00
PHYSICAL CULTURE DIRECTORS	$ 125.00
PHYSIOTHERAPISTS	$ 125.00
PICTURE FRAMING	
a- Employing five persons or less	$ 125.00
b- Employing more than five persons	$ 150.00
c- Post office box service agency	$ 125.00
PICTURE TAKING MACHINES, each machine	$ 100.00
PODIATRISTS	$ 125.00
PRINTING, all kinds	
a- Employing five persons or less	$ 125.00
b- Employing more than five persons	$ 150.00
c- Post office box service agency	$ 125.00
PRIVATE SCHOOLS, SCHOOLS, COLLEGES OR OTHER EDUCATIONAL OR TRAINING INSTITUTIONS, operated for profits, for each place of *business*	$ 250.00
PROPERTY MANAGEMENT, or the *business* or service of opening and closing of homes, or both	$ 125.00
RADIO DEALERS (See Merchants for rate)	
COMMERCIAL RECYCLING	27 $ 400.00

Fees/Computations: continued

TYPE	FEE
REPAIR SHOPS, including upholstering, furniture repairing, keys and locks, knife and lawn mower sharpening, refrigerator, and the like, for each place of business	$ 125.00
RESTAURANTS, DRUGSTORES, or other establishments serving food, permitting the operation of cafe, cafeteria, public dining room, tea room or restaurant with chairs or stools, each to count as one seat:	
a- The first 20 seats shall pay a minimum fee of	$ 125.00
b- For each additional seat over ten through 800	$ 5.00
c- For each additional seat over 800	$ 5.00
d- Flat annual fee for outdoor dining	$ 250.00
RUBBER STAMPS, MAKERS OR MANUFACTURERS OF, employing five persons or less	$ 125.00
SERVICE STATIONS	
a- First pump	$ 250.00
b- Each additional pump	$ 70.00
SIGHTSEEING BUSES, each bus	$ 75.00
SIGN WRITERS, provided one must have contractor's license and permit from the Chief Building Inspector in order to erect signs over six square feet in area	$ 125.00
SOCIOLOGIST OR MARRIAGE COUNSELOR	$ 125.00
SODA FOUNTAINS, provided that soda fountains operate in connection with regularly drugstore with a business tax receipt, restaurant or confectionery store do not require a	$ 85.00
SOLARIUM	$ 150.00
HEALTH SPAS AND CONVALESCENT HOMES	$ 780.00
SWIMMING POOLS (See Merchants or contractor's business tax receipt as applicable	$ 75.00
TAILOR, each shop	$ 125.00
TAX COLLECTION AGENCIES, includes auto tags, drivers' licenses, hunting and fishing licenses, boat registration, etc.	$ 175.00
TAXIDERMISTS	$ 125.00
TELEGRAPH/TELEPHONE COMPANIES	$ 200.00
THEATERS	$ 450.00
THEATRICAL OR DRAMATIC TROUPES, or companies for profit where performance is not given in a local theater holding a business tax receipt, each performance	$ 200.00
"THEATRICAL PERFORMANCE, wholly for benevolent or, charitable purposes, no license required	Exempt

Fees/Computations: Continued

TYPE	FEE
TOWEL AND LINEN SUPPLY SERVICE, not including commercial laundry work, for each person delivering	$ 150.00
TRANSFER BUSINESS (baggage)	$ 125.00
TRANSPORTATION SERVICE	$ 150.00
TRAVEL BUREAU	$ 150.00
VALET PARKING, at hotels, high-rise apartments, houses each location	$ 175.00
WEIGHING MACHINES, each machine	$ 6.00
WHOLESALE DEALERS	
a- In dry goods, notions, jewelry, clothing, groceries, fruits, vegetables, produce of all kinds, or other merchandise, on foot or from wagons, trucks or other vehicles, selling or delivering at wholesale, including wholesale dry cleaners and wholesale laundries, except delivering on orders previously taken	$ 200.00
b - Provided, however, that any such wholesale dealers in meats and poultry who solicit or take orders for or deliver any cleansed, drawn or cut poultry or fresh meats, excluding hindquarters, smoked meats or fresh meats in bulk, without having a bona fide established place of business in the Village shall be required to obtain a permit as provided for in the case of retail solicitors and required to obtain separate business tax receipt thereof at	$ 200.00
WINDOW CLEANERS AND JANITOR SERVICE	$ 200.00

Name:	**Police Services**
Receiving Fund(s):	General Funds
Purpose:	The Police Department will deliver the highest level of efficient and effective community based public safety services through our unwavering commitment to organizational excellence.
Fees/Computations:	

TYPE	FEE
False alarm fee for non-emergency Fire and Police alarms	The first two are $0; each additional false alarm is $300
Fingerprinting Services (Ink Cards)	$25 per set
No Trespassing Sign	$50 per sign

Name:	**Public Work Department Fees**
Receiving Fund(s):	General Funds
Purpose:	Assist in the maintenance of all Village streets, including resurfacing, potholes repair, re-striping. The Department is also responsible for the landscaping, signage, water systems, sewer systems, stormwater systems, and parking throughout the Village.
Fees/Computations:	

TYPE	FEE
Rental of municipal parking (in front of Treasure Island Care Center) located east of the intersection of Mutiny and North Treasure Dr.	$2,000 per month parking lease from TICC
Visitor Metered Parking in Harbor Island	$2.00 per hour for metered parking
Monthly Guest Parking Permit (if available)	$75.00 per month
Parking Permit for Residents of Legacy Buildings in Harbor Island	$100.00 per year
Additional Parking Permit for Residents of Legacy Buildings in Harbor Island (if available)	$150.00 per year
Parking Permit for Residents of Non-Legacy Buildings in Harbor Island (if available)	$300.00 per year
Parking Permit Transfer Fee for Residents in Harbor Island	$25.00 per transfer
Commercial Employee Parking in Harbor Island	$300.00 per year
Commercial & multifamily buildings inspections for probable sewer backup when a backup occurs on the private property side.	$50.00 per each occurrence

<table>
<tr><td>Name:</td><td>Lobbyist Registration</td></tr>
<tr><td>Receiving Fund(s):</td><td>General Funds</td></tr>
<tr><td>Purpose:</td><td>To ensure the integrity of the municipal governance process, act as the official resource center while providing quality customer service to members of the public, Village Commission, and staff.</td></tr>
<tr><td>Fees/Computations:</td><td>
<table>
<tr><th>TYPE</th><th>FEE</th></tr>
<tr><td>Lobbyist Annual Registration Fees and Lobbyist Principal Fees</td><td>$300 annual fee; $100 per principal</td></tr>
<tr><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>Name:</td><td>Short Term Vacation Rental Licenses</td></tr>
<tr><td>Receiving Fund(s):</td><td>General Funds</td></tr>
<tr><td>Purpose:</td><td>Short term vacation rental (STVR) licensing fees shall be used to cover costs associated with the administration and enforcement of short term vacation rental regulations for Short Term Vacation Rental properties.</td></tr>
<tr><td>Fees/Computations:</td><td>
<table>
<tr><th>TYPE</th><th>FEE</th></tr>
<tr><td>Initial License Application Fee</td><td>$800.00</td></tr>
<tr><td>License Renewal or Modification Fee</td><td>$500.00</td></tr>
<tr><td>Change of Agent</td><td>$250.00</td></tr>
<tr><td>Vested Rights Determination Application</td><td>$1,500.00</td></tr>
<tr><td>Appeal of Vested Rights Determination</td><td>$1,000.00</td></tr>
</table>
</td></tr>
</table>

ITEM NO. 11.B

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Carlos Noriega, Chief of Police

SPONSORED BY: Ralph Rosado, PhD, AICP, Village Manager

SUBJECT: A Resolution Approving a Contract with Miami Dade College for the Administration of 2024 Police Sergeant Promotional Assessment - Village Manager Ralph Rosado, PhD., AICP (Police Chief Carlos Noriega)

RECOMMENDATION

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, APPROVING A CONTRACT WITH MIAMI-DADE COLLEGE'S SCHOOL OF JUSTICE ASSESSMENT CENTER FOR ADMINISTRATION OF THE POLICE SERGEANTS' PROMOTIONAL TESTING PROCESS IN AN AMOUNT NOT TO EXCEED BUDGETED FUNDS; WAIVING COMPETITIVE BIDDING; PROVIDING FOR AUTHORIZATION; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve a resolution for, and Contract with the MDC SOF Assessment Center.

BACKGROUND AND ANALYSIS

As part of the accreditation process and in our attempts to continue to develop the North Bay Village Police Department (NBVPD), we have developed a continuity of operations and succession plan to prepare the NBVPD for the future growth of the agency and the eventual changing of the guard as senior leadership moves on and the next wave of leadership takes the reins of the Department.

The promotional process is an integral part of the succession plan and as such the need has arisen to undertake a promotional process for the position of Sergeant. This promotional process will allow us to fill the current vacancy in the Sergeant's ranks and have an available ready list for future openings that may occur within the two years following the completion of

the process.

We have once again sought the assistance of the MDC School of Justice Assessment Center to assist us with our Sergeant's promotion. The MDC SOJ Assessment Center is a recognized and established leader in police promotions, providing an accurate and legally defensible promotion process.

Miami Dade College has provided favorable pricing for this next promotional process which is some $700 below the FY 23-24 budget allocation for this process.

It is recommended that the Village Commission approve the contract with Miami Dade County for the administration of the Police Sergeants promotional testing process.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
$6,250.00

PERSONNEL IMPACT
None

ATTACHMENTS
Resolution - MDC College - Sergeants Promotional Testing.DOCX
NBVPD SGT 2024 Promotional Process Contract Proposal 2024.pdf

RESOLUTION NO. 2024-_____

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, APPROVING A CONTRACT WITH MIAMI-DADE COLLEGE'S SCHOOL OF JUSTICE ASSESSMENT CENTER FOR ADMINISTRATION OF THE POLICE SERGEANTS' PROMOTIONAL TESTING PROCESS IN AN AMOUNT NOT TO EXCEED BUDGETED FUNDS; WAIVING COMPETITIVE BIDDING; PROVIDING FOR AUTHORIZATION; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, North Bay Village (the "Village") wishes to utilize the Miami-Dade College School of Justice Assessment Center (the "School") to administer the Police Sergeants' Promotional testing process (the "Services"), which exam is required under the Collective Bargaining Agreement between the Village and the Florida State Lodge 81, Fraternal Order of Police for the period beginning October 1, 2022 through September 30, 2025; and

WHEREAS, Section 36.25(L) of the Village Code of Ordinances provides that the Village Commission may award a contract without sealed bidding upon a finding that the process of competitive bidding and competitive proposals is not in the best interest of the Village; and

WHEREAS, the Village desires to enter into an agreement with the School for the Services, in the form attached hereto as Exhibit "A" (the "Agreement"); and

WHEREAS, the Village Commission finds that the School is familiar with the Village's needs, has successfully performed the Services for the Village previously, and, in order to ensure that the Services are implemented and made available expeditiously to the Village, the Village Commission finds that the process of competitive bidding and proposals for the Services is not in the best interest of the Village; and

WHEREAS, pursuant to the recommendation of Village staff, the Village Commission desires to approve the Agreement, waive the competitive procurement requirements of the Village Code pursuant to Section 36.25(L) of the Village Code, and authorize the Village Manager to execute the Agreement and any amendments,

extensions, or renewals of the Agreement, subject to approval by the Village Attorney, and to expend budgeted funds for the Services; and

WHEREAS, the Village Commission further desires to authorize the Village Manager to execute future agreements for the Services with the School without further Village Commission approval and to expend budgeted funds accordingly; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. Approval. The Village Commission hereby approves the Agreement with the School in substantially the form attached hereto as Exhibit "A."

Section 3. Waiver. That the Village Commission hereby waives the competitive procurement requirements of Section 36.25(L) of the Village Code as competitive bidding for the Services is not in the best interest of the Village.

Section 4. Authorization. That the Village Commission hereby authorizes the Village Manager to execute the Agreement on behalf of the Village in substantially the form attached hereto as Exhibit "A," and any amendments, extensions, or renewals of the Agreement as well as future agreements for the Services from the School, subject to approval by the Village Attorney as to form, substance, and legality. The Village Manager is further authorized to expend budgeted funds for the Services.

Section 5. Implementation. That the Village Manager and Village Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 6. Effective Date. That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by _____ who moved its adoption. The motion was seconded by _____ and upon being put to a vote, the vote was as follows:

Mayor Brent Latham _____

Vice Mayor Richard Chervony _____
Commissioner Goran Cuk _____
Commissioner Andy Rotondaro _____
Commissioner Rachel Streitfeld _____

PASSED AND ADOPTED on this _____ day of March, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Weiss Serota Helfman Cole & Bierman, PL
Village Attorney

CONTRACT

North Bay Village Police Department

2024 Police Sergeant Promotional Process

March 2024

Prepared By:
The Assessment Center
Miami Dade College – School of Justice
11380 NW 27th Avenue, Suite 8324
Miami, Florida 33167-3495
P: 305.237.8012
F: 305.237.1807
Vgonzal5@mdc.edu

Agreement

This Agreement is entered into this ___ day of March, 2024 ("Effective Date"), and is by and between the City of North Bay Village, a municipal corporation, on behalf of its Police Department ("Department"), and The District Board of Trustees of Miami Dade College, Florida, a State of Florida public educational institution and political subdivision of the State of Florida ("College"), for its School of Justice Assessment Center ("School").

Recitals

Whereas, School has submitted a proposal ("Proposal"), a copy of which is attached hereto as Exhibit "A," and by this reference made a part hereof, for the School to develop police sergeant promotional tests for the Department; and

Whereas, the Department and the administrative staff of the City of North Bay Village have reviewed the proposal submitted by School; and

Whereas, the parties have agreed to enter into an agreement memorializing the terms and conditions under which the School will develop, implement and administer the Department's police sergeant promotional tests and process.

NOW, THEREFORE, the parties agree as follows:

1. **Dates for the Development and Administration:**

   a. The School shall develop a Sergeant Assessment Center exercise to be completed by June 2024.

   b. The School shall administer the Sergeant Assessment Center exercise in July 2024.

2. **Extension of Times:**

   Extensions of time may only be granted by the mutual agreement of the parties' contract representatives, who, for the City of North Bay Village is Chief Carlos Noriega and, for the College, is Richard Clements, Director of the School of Justice Assessment Center. Such extensions of time shall be confirmed by written instrument or email.

3. **Payment by the Department:**

   a. The School shall submit an invoice to the Department for payment based on the Proposal and the services rendered upon completion of the required testing services.

   b. Department shall submit payment within two (2) months of receipt of the invoice.

4. **Notices:** All notices and demands of any kind which any party to this Agreement may be required to be served upon any other party under the terms of this Agreement shall be in writing and shall be deemed to have been effectively given if written in the English language and served by personal service, air courier, email, or facsimile at the following addresses:

City of North Bay Village North Bay Village Police Department 1666 Kennedy Causeway #402 North Bay Village, FL 33141 Attn: Carlos Noriega, Chief of Police	Miami Dade College School of Justice Miami Dade College - North Campus SOJ 11380 N.W. 27th Avenue, #8310 Miami, FL 33167 Attn: Richard Clements, Director
	with a copy to: Javier A. Ley-Soto, General Counsel Miami Dade College Office of Legal Affairs 300 N.E. 2nd Avenue, Room 1453 Miami, FL 33132

5. **Term and Termination:** The Agreement shall be effective on the Effective Date and shall continue in full force and effect until the completion of the development of the exam and interview process and the implementation and administration of the exam or until sooner terminated in accordance with this provision. Any extensions to the Agreement shall be agreed upon in writing by both College and Department upon such terms as are mutually acceptable to both parties. Either party may terminate the Agreement with thirty (30) days' prior written notice, but the College shall be compensated for the services rendered prior to the effective date of the termination. This Agreement may be terminated by either party upon three (3) calendar days' written notice to the other party, should such other party fail substantially to perform in accordance with the material terms of the Contract through no fault of the party initiating the termination after the terminating party gives notice to the failing party and the failing party receives a seven (7) day opportunity to cure.

6. **Indemnification:** Subject to the provisions, limit and limitations of Section 768.28, Florida Statutes, as may be amended, each party ("Indemnifying Party") agrees to indemnify, defend and hold harmless the other party, its officers, agents, volunteers, and employees ("Indemnified Party") from and against all claims, damages, losses, and expenses, including but not limited to attorneys' fees, court costs, or other alternative dispute resolution costs arising out of or resulting from the performance of work under this Agreement (1) provided that any such claims, damages, losses or expenses are attributable to bodily injury, sickness, disease, death, or personal injury, or property

damage, and (2) are caused in whole or in part by the negligent acts, errors, or omissions of the Indemnifying Party or anyone directly or indirectly employed or hired by Indemnifying Party or anyone for whose acts Indemnifying Party may be liable.. The parties agree that this indemnity obligation shall survive the completion or termination of the Agreement.

7. **Public Records:** The School is a public entity that is required to comply with Chapter 119 of Florida Statutes, known as Florida's Public Records Laws. Both parties agree to comply with any applicable provisions of Chapter 119 as required by law.

8. **FERPA:** The School is subject to and obligated to comply with The Family Education Rights and Privacy Act ("FERPA") and other federal and state regulations, whereby it is required to protect personally identifiable student information ("PISI") from unauthorized disclosure. If applicable, both parties agree to comply with all applicable federal and state regulations and School policies and procedures regarding the use, maintenance, access and disclosure of PISI.

9. **Governing Law:** This Agreement shall be governed by the laws of the State of Florida. Venue for any disputes arising out of this Agreement shall be the state and federal courts of Miami-Dade County, Florida.

10. **Independent Contractor**: Each party is considered an independent contractor and neither party or its employees, agents or consultants shall, under any circumstances, be considered employees or agents of the other party.

11. **Entire Agreement:** The entire agreement consists of the Proposal and this Agreement. If there is conflict between this Agreement and the Proposal, the terms of this Agreement will prevail. The Agreement shall not be amended unless by written amendment signed by the duly authorized representative of each party.

[INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF this Agreement has been signed and sealed, in duplicate by the duly authorized representative of the respective parties hereto.

Attest to execution on behalf of City of North Bay Village Police Department

_____

Print Name: Chief Carlos Noriega

Date: _____

City of North Bay Village on behalf its Police Department

By: _____
Dr. Ralph Rosado
Village Manager

Date: _____

Attest to execution on behalf of Miami Dade College
School of Justice

_____

Print Name: Richard Clements
Director, School of Justice

Date: _____

THE DISTRICT BOARD OF TRUSTEES OF MIAMI DADE COLLEGE, FLORIDA

By: _____
Fermin Vazquez
Campus President, North Campus

Date: _____

Approved as to form and legal sufficiency

_____
Franco D. Bacigalupo Esq., Assistant General Counsel

Date_____

MIAMI DADE COLLEGE SCHOOL OF JUSTICE ASSESSMENT CENTER

PROPOSAL

North Bay Village Police Department

Sergeant Promotional Testing Services

Prepared By:
The Assessment Center
Miami Dade College – School of Justice
11380 NW 27th Avenue, Suite 8324
Miami, Florida 33167-3495
(305) 237- 8012 O
(305) 237- 1858 F
Vgonzal5@mdc.edu
http://www.mdc.edu/justice/assessment-center.aspx

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COVER LETTER

Miami Dade College School of Justice Assessment Center presents to the North Bay Village its proposal to partner with the North Bay Village Police Department to provide comprehensive promotional testing services for the ranks of Police Sergeant. We present our methodology to demonstrate that we accept and are fully prepared to meet and exceed all of the personnel selection objectives outlined in the RFP.

Our methodology complies with testing guidelines and professional standards set forth by the Uniform Guidelines on Employee Selection Procedures, the Principles for the Validation and Use of Personnel Selection of the Society for Industrial and Organizational Psychology (SIOP), and the Guidelines and
Ethical Considerations for Assessment Center Operations.

Our objective is to meet all of the City's needs in conducting a fair and valid process. For the ranks of Police Sergeant, respectively. Our services shall include:

- Conduct a review of the current Job Analysis/Description
- Consultation with subject matter experts (SMEs) for development of assessments
- Development of Assessment Center Exercises (BADGE & Oral Board)
- Administration of Assessment Center Exercises, including scoring and evaluation
- Consultation with City regarding administration and/or scoring of examinations if needed
- Delivery of comprehensive reports and final results

Additionally, Miami Dade College will assist the North Bay Village and/or North Bay Village Police Department in addressing any concerns, requests, and questions regarding the entire promotional process.

Thank you for your time and for the opportunity to provide you with these services. If you have any questions, please do not hesitate to contact me at the information provided below.

Veronica Gonzalez

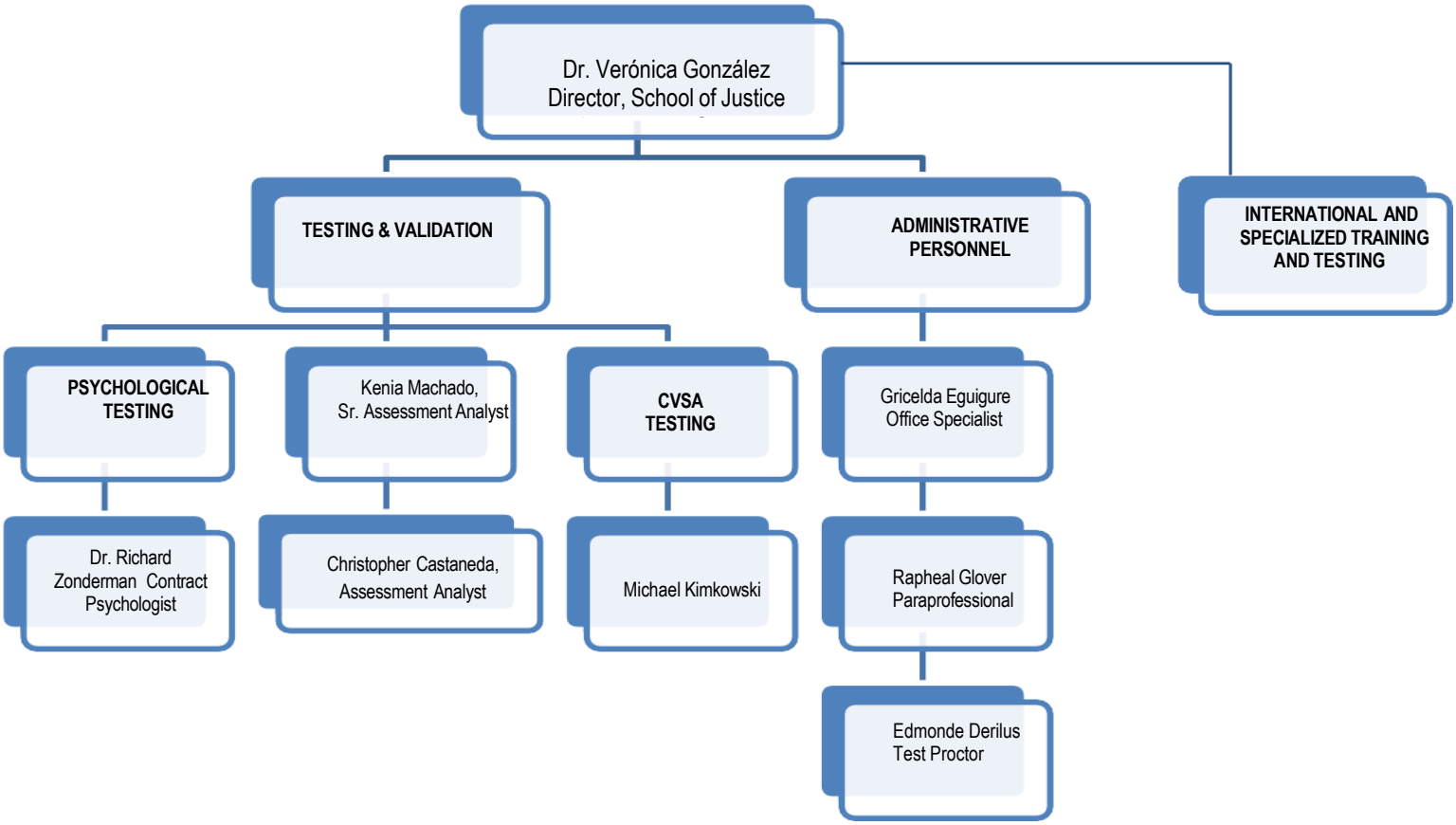
Veronica Gonzalez, EdD
Assessment Center Director
Email: Vgonzal5@mdc.edu
Telephone: (305) 237-8012
Fax #: (305) 237-1858

Firm

Company Contact Information	Miami Dade College, North Campus School of Justice Assessment Center 11380 NW 27th Avenue, Room 8324 Miami, FL 33167	**Phone**: (305) 237-1476 **Fax**: (305) 237-1858
History	Miami Dade College was established in 1959. It is a four-year, state-supported college with eight campuses and numerous outreach centers. Miami Dade College is governed by a seven-member District Board of Trustees and a college president.	
Designation	Miami Dade College is a State of Florida, public educational institution as identified in 1000.21, Florida Statutes (2007).	

Personnel Assigned to Project	**Veronica Gonzalez, EdD, MSED**
	Kenia Machado, MSIO
	Christopher Castaneda, MSIO

Assessment Center Organizational Chart



Firm Experience

The School of Justice Assessment Center has an unparalleled depth and breadth of experience in public safety assessment ranging from entry level to chief's level positions. The Assessment Center is fully prepared to meet or exceed all of the personnel selection objectives of the North Bay Village.

The Assessment Center was created in 1981 by Special Response Funds from the Law Enforcement Assistance Administration (LEAA) and for more than 40 years, has provided comprehensive selection and promotional assessment services to a variety of public safety agencies nationwide. Backed by Miami Dade College, an educational landmark in South Florida with a long and stable history, the Assessment Center shares in a long-standing tradition of excellence. We have assessed over 30,000 individuals across various positions in public safety and have earned a solid reputation of integrity among public safety agencies. Since 1985, the Assessment Center has assisted city and county managers in external recruitment for Chiefs of Police and other executive positions, such as directors of corrections, finance, public works, and data systems.

The Assessment Center has the experience and resources to conduct job analyses, develop and implement job-relevant exercises, evaluate records, and analyze performance data for any public safety position. Testing programs are tailored to individual agencies' needs and range from content-valid written tests and assessment-based oral boards to full-scale, complex assessment centers that include telecommunications equipment and multimedia. We strive to complete every process on time, within budget, and to the highest quality possible. The Assessment Center develops all examinations with scrutiny, in a detailed manner, and customized to each Department.

In addition, the timeframe provided to Agencies are maintained and only changed in extenuating circumstances. We strive to complete every process with the utmost quality and professionalism possible. We pride ourselves on the absence of any legal challenges against our promotional processes, as well as any state or federal litigation.

The Assessment Center serves as a model for the development of other assessment centers throughout the United States and internationally. Prompted by the Center's successful record of accomplishment, agencies including the Federal Bureau of Investigations (FBI) and the London Metropolitan Police have benchmarked our programs to establish similar assessment programs. The Center has also collaborated with law enforcement departments to provide training programs for their personnel to serve as assessors in our record evaluation processes.

Maintaining a longstanding working relationship with the law enforcement community, the Center has developed and implemented over 250 assessment programs statewide, primarily in law enforcement testing. The Center has served over 30 agencies in the state of Florida, many on a continuing basis. All entry level and promotional assessments for the Miami-Dade Police Department have been conducted by the Assessment Center since 1983.

Team Qualifications

The following staff members of the Assessment Center will be dedicated to the project and will meet the terms of the contract, if awarded. They are experienced professionals with knowledge, creativity, and innovation to offer in the testing arena.

Veronica Gonzalez, EdD, MSED
Director

- Project management of promotional processes
- Ensures compliance with the Agency and the Assessment Center, such as contractual demands, applicable standards, etc.
- Facilitation of SME and Assessor panels
- Test development, validation, and administration
- Supervisesd development team

Kenia Machado, MSIO
Senior Assessment Analyst

- Assist Director in project management of promotional processes
- Test development, validation, and administration
- Conducts and coordinates meetings with SME panels
- Trains Assessors to evaluate exercises
- Job Analysis

Christopher Castaneda, MSIO
Assessment Analyst

- Test development, validation, and administration
- Conducts and coordinates meetings with SME panels
- Trains Assessors to evaluate exercises
- Job Analysis

Business References

Name of Firm	Address of Firm	Contact for Firm	Scope of Services	Dates
Coral Gables Police Department	2801 Salzedo Street Coral Gables, Florida 33134	**Danette Lajo** Personnel Analyst of Public Safety (305) 460-5532 dtucen@coralgables.com	Job Analyses, Written Exams, & Assessment Centers for: ❖ Sergeant ❖ Lieutenant	2001 – Present
Doral Police Department	6100 N.W. 99 Avenue, Doral, Florida 33178	**Fatima Nunez** Police Captain 305) 593-6699 Ext. 2117 Fatima.Nunez@doralpd.com	Written Exams & Assessment Center for: ❖ Sergeant	2013 - Present
Florida Department of Agriculture and Consumer Services	The Rhodes Building 2005 Apalachee Parkway Tallahassee, FL 32399-1650	**John P. Terry** Promotion Process Coordinator Office of Agricultural Law Enforcement (850) 245-1388 John.Terry@FDACS.gov	Written Exams for: ❖ Corporal ❖ Sergeant ❖ Investigator II	2017- Present
Florida International University Police Department	885 SW 109th Ave., PG-5, Miami, Florida 33199	**Alexander Casas** Chief of Police (305) 348-2623 adcasas@fiu.edu	Written Exams for: ❖ Sergeant	2017- Present
Golden Beach Police Department	1 Golden Beach Drive, Golden Beach, Florida 33160	**Rudy Herbello** Chief of Police (305) 932-2444 rherbello@goldenbeach.us	Written Exams & Assessment Centers for: ❖ Sergeant	2007 - Present
Hallandale Beach Police Department	400 S Federal Highway, Hallandale Beach, Florida 33009	**Sonia Quinones** Chief of Police (954) 457-1400 squinones@cohb.org	Written Exam & Assessment Center for: ❖ Sergeant	2021 - Present
Hialeah Gardens Police Department	10301 NW 87th Avenue, Hialeah Gardens, Florida 33016	**Michael Lopez** Police Captain 305-558-3333 MLopez@hgpd.org	Written Exam & Assessment Center for: ❖ Sergeant	2021 - Present
Margate Police Department	5790 Margate Boulevard, Margate, Florida 33063	**Michael Palma** Police Captain 954-935-5431 mpalma@margatefl.com	Written Exams for: ❖ Sergeant	2021 - Present
Medley Police Department	7777 NW 72nd Avenue , Medley, Florida 33166	**Jeanette Said-Jinete** Chief of Police (305) 883-2047 Jsaid@medleypd.com	Written Exams & Assessment Centers for: ❖ Sergeant	2009 - Present
Miami-Dade Police Department	9105 NW 25th Street, Miami, Florida 33172-1500	**Dena Kelly** MDPD Human Resources Section Manager 305-471-1968 DKelly2@mdpd.com	Job Analyses, Written Exams, & Assessment Centers for: ❖ Entry Level Officer ❖ Corporal ❖ Sergeant ❖ Lieutenant ❖ Captain	1983 - 2010
Miami-Dade School Police Department	3300 NW 27th Avenue, Miami, Florida 33142	**Manuel Arrebola** Police Major 786-256-9798 marrebol@mdc.edu	Job Analyses, Written Exams, & Assessment Centers for: ❖ Sergeant ❖ Lieutenant	2002 - Present

Name of Firm	Address of Firm	Contact for Firm	Scope of Services	Dates
Miami Gardens Police Department	18611 NW 27th Avenue, Miami Gardens, Florida 33056	**Joseph Schaefer** Commander (305) 474-1494 Joseph.schaefer@mgpdfl.org	Written Exams & Assessment Center for: ❖ Sergeant	2015 - Present
Miami Springs Police Department	201 Westward Drive, Miami Springs, Florida 33166	**Armando Guzman** Chief of Police (305) 887-1444 aguzman@mspd.us	Written Exams & Assessment Center for: ❖ Sergeant	2017- Present
North Bay Village Police Department	1666 John F. Kennedy Causeway, Suite 300, North Bay Village, Florida 33141	**Carlos Noriega** Chief of Police (305) 758-2626, ext. 37 cnoriega@nbvillage.com	Assessment Center for: ❖ Sergeant	2017 - Present
North Miami Police Department	North Miami Police Department 700 NE 124 Street North Miami, FL 33161	**Angel Rivera** Assistant Chief 305-891-0294 arivera@northmiamipolice.com	Job Analyses, Written Exams, & Assessment Centers for: ❖ Sergeant ❖ Lieutenant	2006 - Present
North Miami Beach Police Department	16901 NE 19th Avenue, North Miami Beach, Florida 33162-3153	**Jason Ochoa** Police Major (305) 949-5500 Jason.Ochoa@nmbpd.org	Job Analyses, Written Exams, & Assessment Center for: ❖ Sergeant ❖ Captain	2015 - Present
Opa Locka Police Department	2495 Ali Baba Avenue, Opa Locka, Florida 33054	**John Pate** Chief of Police (305) 681-1033 jpate@opalockafl.gov	Written Exams & Assessment Center for: ❖ Entry Level Officer ❖ Sergeant ❖ Deputy Chief Psychological Testing for: ❖ Police Applicants ❖ Dispatchers	2007 - Present

Methodology and Approach

Overview

The Miami Dade College Assessment Center will collaborate with the North Bay Village Police Department, and with the subject matter experts (SMEs) they designate, to develop written exam questions and assessment center exercises for the ranks of Police Sergeant. As shown below, our promotional process has five major phases:



Reviewing the job analysis forms the basis for determining the content of the written exams and assessment center exercises. During the exercise development phase, the Assessment Center and SMEs collaborate to validate newly created scenarios for the assessment center exercises (content validity approach). During the Administration phase, the Assessment Center will facilitate live candidate orientation(s), train qualified assessors (and role players, if applicable), set-up testing locations and equipment (e.g., audio/video-recording, furniture placement) and proctor the assessment center exercises. The Exercise Evaluation Phase includes the scoring of the written exams and rating of candidates' performance on behavioral exercises by the assessors. Once evaluation is complete, the Assessment Center shall tabulate scores for each candidate, perform data analysis to assess psychometric reliability and bias, and report the results to the stakeholders (e.g., candidates, North Bay Village, North Bay Village Police Department). Further, the North Bay Village Police Department shall receive a Rank-ordered Candidate List and a Global Performance Report at the conclusion of the promotional process.

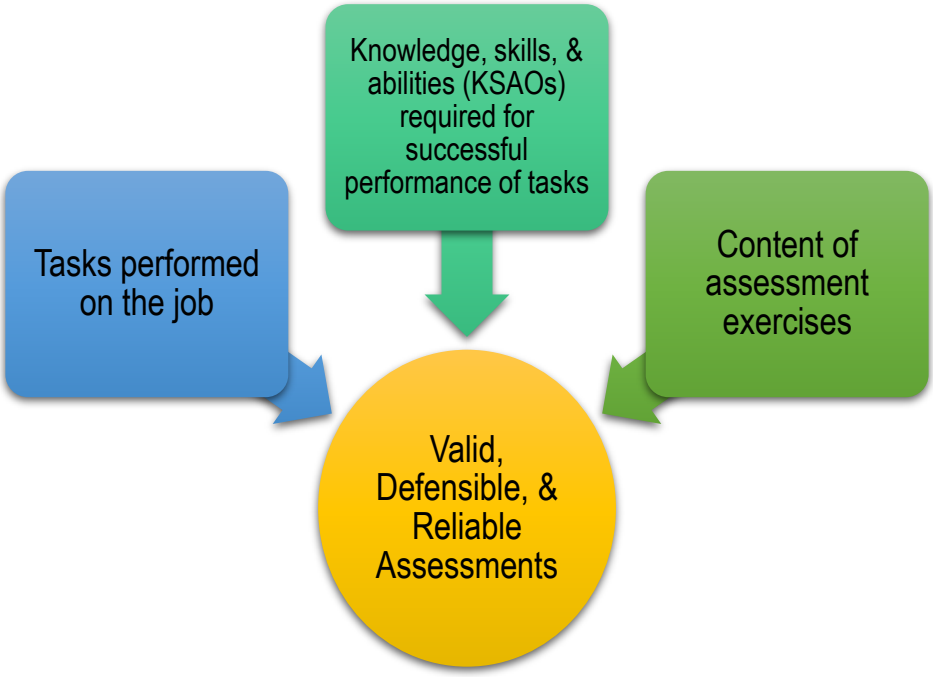
Job Analysis Phase

The Assessment Center will conduct a review of the current job analysis. A job analysis is the hallmark of a legally defensible selection (or promotional) process. Our approach for a job analysis is primarily task-based, customized to the tasks performed by the pertinent ranks within the North Bay Village Police Department. The Assessment Center uses a content-validation strategy for each assessment, in accordance with the professional standards outlined in the *Uniform Guidelines on Employee Selection Procedures*. As part of this strategy, Assessment Center staff will work with an SME panel to ensure that only worker competencies identified through the job analysis are

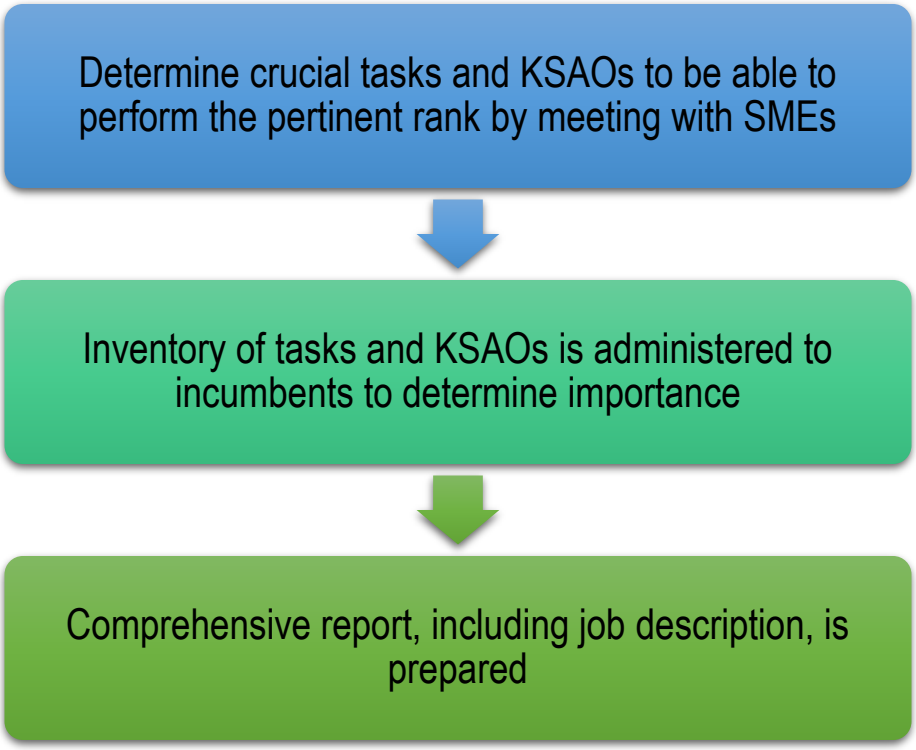
captured by the assessment exercises. These meetings may take place in the form of one-on-one interviews, focus groups, and/or through observation.

To develop valid assessments, it is crucial to understand the type of work being performed (e.g., tasks, responsibilities, equipment use, working conditions), and the knowledge, skills, and abilities that workers need to perform the work. It is recommended that a job analysis be performed at least once every four years, and the information should be reviewed/updated at the start of each promotional process.

The purpose of the job analysis is determining a clear and articulable link between the following:



The steps taken to perform a job analysis are the following:



Subject Matter Experts (SMEs)

The judgement of SMEs plays a crucial role in the analysis of work and in validating the use of each assessment. Professional guidelines recommend that SME panels should include members with a diversity of views, backgrounds, and opinions. The Assessment Center will ensure SME panels have the following qualities:



Security Protocol

Information security is vitally important to the integrity of the promotional process. It is the position of the Assessment Center that agencies should communicate their firm commitment to protect and preserve the integrity of the testing developed to facilitate the mobility of personnel up the ranks within their organization. Therefore, the North Bay Village Police Department are strongly encouraged to demonstrate a clearly articulated position outlining the agency personnel's obligation to maintain the security and confidentiality of the testing processes in their standard operating policies and procedures. The Assessment Center has safeguards in place to maintain the security of exercises, checklists, and related test materials. Overall, our security protocol helps ensure test materials are tightly controlled and accounted for at all times, and that SMEs clearly understand the criticality of keeping test materials confidential.

The security protocol includes the following:

During Exercise Development Meetings	• Staff supervises test-related materials to and from meeting. • SMEs sign confidentiality agreements. • Meetings conducted within restricted access environments.
Physical Security	• Test-related materials are stored securely at our office. • Only pertinent project staff accesses test materials.
Virtual Security	• Exercise development and evaluation are performed on secure workstations. • Cyber-security protocols (e.g., data encryption, firewall, access controls) are employed to protect the integrity of test-related materials. • Remote testing available for written assessments through verified proctoring service.
During Exercise Administration	• Candidates complete a sign-in process designed to maximize test security, including collection of communication devices. • Candidates are escorted to the restroom by a staff member.

Exercise Development Phase

Assessment Center Exercises

The Assessment Center will develop assessment center exercises for the ranks of Police Sergeant. The following are the assessment center exercises that the Assessment Center will develop for the rank of Sergeant. Below you may find descriptions of the exercise.

Sergeant

- BADGE
- Oral Board

Behaviorally Anchored Dimension Guided Exercise (BADGE)

In the BADGE, test proctor(s) present candidates with up to 3 job-relevant scenarios, both orally and in writing. At the discretion of the Department, candidates may respond to this exercise orally or provide a written product, for which both will be scored by a team of assessors at a later time. If oral, the candidates are video-recorded. Each scenario reflects an immediate and dynamic on-the-job situation for the candidate to address and is designed to prompt a series of actions from the candidates. Scenarios may include (but are not limited to) responding to community policing issues, addressing personnel issues (e.g., discipline, development), and/or responding to a critical incident. The purpose of the exercise is to provide the assessors with an opportunity to observe the candidate's response to critical on-the-job situations. Additionally, by including relevant topics, assessors have an opportunity to gauge the candidate's knowledge of the topic area(s).

A minimum of three (3) SME meetings will be conducted to develop the BADGE scenarios. During the BADGE Development Meetings, SMEs are asked to select, from a list of previously generated critical incidents, those incidents they feel (1) best represent a cross-section of tasks performed by persons occupying the target Rank (e.g., are job relevant) and (2) are suitable to be presented orally. After one or more rounds of revision, the scenarios are finalized. Then, SMEs are asked to generate the scoring criteria for each scenario. The scoring criteria (response guidelines) are based on the set of behaviors expected to be displayed by the candidates when responding to each scenario. Each score element represents a critical behavior to be assessed and will have a maximum number of points associated to it—corresponding to poor, average, or exceptional performance of the critical behavior. The final product is a behaviorally anchored rating tool where the number of points awarded for each score element will depend on the behaviors displayed (or not displayed) by the candidate in his or her responses (oral work product) to the scenario.

Oral Board

In this exercise, candidates are provided with up to three questions based on current events occurring in the City of North Bay Village. The questions are typically based on the candidate's experience and knowledge and how it may help them perform the pertinent job. If desired, the questions may also be scenario based (similar to BADGE scenarios), where the candidate may elaborate on how they may handle a certain situation. This exercise will measure the candidate's ability to present ideas and information to a live panel of assessors and his/her ability to respond to inquiries, if applicable. Candidates will be presented with a standardized set of questions and their responses will be video-recorded.

A minimum of three (3) SME meetings will be conducted to develop the Oral Board questions. During the Oral Board Development Meetings, SMEs are asked to select, from a list of previously generated questions, those questions they feel (1) best represent a cross-section of tasks performed by persons occupying the target Rank (e.g., are job relevant) and (2) are suitable to be presented orally. After one or more rounds of revision, the questions are finalized. Then, SMEs are asked to generate the scoring criteria (response guidelines) based on the set of behaviors expected to be displayed by the candidates. Each score element represents a critical behavior to be assessed and will have a maximum number of points associated to it—corresponding to poor, average, or exceptional performance of the critical behavior. The final product is a behaviorally anchored rating tool where the number of points awarded for each score element will depend on the behaviors displayed (or not displayed) by the candidate in his or her responses (oral work product) to the scenario.

Exercise Administration Phase

Candidate Orientation Session

Candidates will be invited to attend an in-person orientation session prior to their examination dates. Depending on the number of candidates, more than one orientation session may be necessary. During the orientation session(s), candidates are provided with an overview of the testing process and with information regarding each assessment exercise—including dates, times and locations for each component of the process. Additionally, candidates receive an orientation/preparation guide with helpful study tips. Candidates will also have the opportunity to ask questions at the end of the orientation. The Assessment Center shall provide orientation materials and all other necessary supplies.

Test Administration

Each promotional exercise will be administered separately to each candidate. All supply packages provided to candidates will be prepared in a standardized manner so that all candidates receive the equivalent supplies for their test. Time frames and instructions will also be standardized so that all candidates receive the same instructions and the same amount of time to complete their exam.

On test administration days, candidates will be required to go through a sign-in process designed to maximize test security. Once candidates have signed in, they may not leave the holding room without the supervision of Center staff. Requests to use restrooms are honored, but the candidate is escorted to and from the restroom by Center staff. Cellular phones and other communication devices (e.g., radios) shall be collected from each candidate during the sign-in process and returned to them once they have finished testing. This practice ensures that candidates waiting to be assessed cannot receive information about the assessments from candidates that have just finished. Lastly, candidates will be required to sign a copy of the test rules and will receive a brief orientation.

Exercise Evaluation Phase

Evaluation

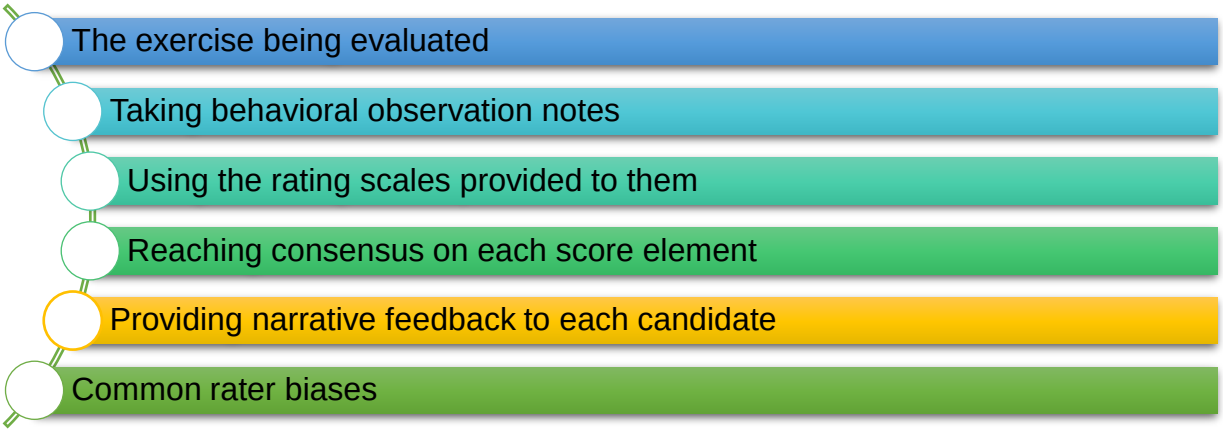
Evaluation includes the scoring of the assessment center exercises by assessors. During evaluation, assessors are assigned to teams and will be trained to score a specific exercise. Assessors are presented with the candidates' videotaped performances or written products and instructed to make observational notes as they observe or read each candidate's responses. Assessors are given full discretion to pause, rewind, and replay any portion of a candidate's videotaped performance. Any written product is copied in-house so that each assessor may review it. Once each assessor has made their independent ratings, assessors discuss the performance to reach a consensus, such that ratings for a particular score element between any two assessors does not differ by more than 1 point (up to a 5-point scale) in either direction. Finally, the assessors are instructed to provide feedback that is developmental in nature (e.g., strengths and weaknesses) and refers specifically to the candidate's observable performance (e.g., something he/she said or did) during the exercise.

Assessor Training

Qualified assessors are assigned to teams and each team is trained to score a specific exercise. Assessors will only evaluate performance on exercises for which they have been trained. Based on the timeframe stipulated by the North Bay Village Police

Department, the Assessment Center will recruit assessors from different agencies at the target Rank or above and coordinate to have them come evaluate the exercises. The assessors will be provided with an observation notes sheet, the response guidelines, and a scoring sheet to notate the final score.

Assessors will attend an in-person training session facilitated by the Assessment Center. During the training session, assessors will become familiar with the items (e.g., questions, scenarios) and score elements (e.g., target/desired behaviors) associated with the exercise assigned to them, as well as with key aspects of the evaluation process. Specifically, assessors receive training on the following:



Quality Assurance Checks

In efforts to improve attention and reduce fatigue, assessors are given significant latitude over the pace of evaluations and the timing of their breaks. Nonetheless, mistakes do occur. That said, the Assessment Center will remain readily available throughout the evaluation process. During this time, staff members will review evaluation materials (e.g., observational notes, scoring sheets) produced by the assessors to ensure (1) evaluations adhere to the scoring benchmarks discussed during rater training sessions (e.g., using the BARS correctly), (2) ratings are accurately transcribed across multiple pages, (3) there is consensus among all raters, and (4) calculations are accurate. Evaluations not meeting these standards are immediately returned to the assessor team for review and correction. Once quality assurance checks are performed and all errors are corrected—scores are recorded and all materials associated with the evaluation (e.g., assessor's observation notes, rating forms) are stored securely.

Results Phase

Final Reports

The Assessment Center will provide the North Bay Village Police Department with (1) rank-ordered candidate list based on the scores of the assessment center processes (sum of exercise(s)), (2) individual performance reports for each candidate who participated in the process, (3) a global performance report summarizing the characteristics of the entire candidate pool, and (4) a Technical Validation Report. Below are descriptions of the first three reports:

Rank-Ordered Candidate List	• Ranks candidates according to their overall assessment scores.
Candidate Performance Report	• Briefly outlines the competencies assessed by each exercise. • Summarizes his or her performance in absolute terms (raw scores). • Summarizes his or her performance relative to the performance of the candidate pool.
Global Performance Report	• Describes overall performance of the candidate pool. • Illustrates (e.g.,using charts, tables and/or figures) the distribution of scores on each exercise.

Cost

SERGEANT EXERCISE DEVELOPMENT	
Review of Sergeant Job Analysis / Job Description	No Charge
2 Assessment Analysts	Included in Development Fee
Meeting Rooms	MDC — No Charge
Materials for SME Meetings	No Charge
Development of BADGE Exercise & Scoring Criteria (up to 3)	$1,250.00
Development of Oral Board & Scoring Criteria (up to 3)	$1,250.00
TOTAL DEVELOPMENT	**$2,500.00**
SERGEANT ADMINISTRATION & EVALUATION	
Exercise Administration:	
Candidate Orientation (up to 10 Candidates)	$250.00
Test Administration Venue, Audio Recording Devices, DVDs & Mini DVs	No Charge
Media Equipment Set Up, Operation, & Staffing	No Charge
Assessment Center Staff (1 Director, 2 Assessment Analysts (2 days))	$1,250.00
Exercise Evaluation:	
Recruitment, Screening, and Selection of Assessors (up to 7)	No Charge
Preparation of Evaluation Materials Including Binding & Duplication of Assessor Training Materials	No Charge
Comprehensive Assessor Training	$350.00
Assessor Meals (Breakfast & Lunch)	$700.00
2 Assessment Analysts For Assessor Training and Evaluation	$700.00
Final Results:	
Calculation of Candidate Composite Scores, Preparation of Final Result, and Individual Candidate Reports	$500.00
TOTAL ADMINSITRATION & EVALUATION	**$3,750.00**
SERGEANT FEEDBACK	
Preparation of Feedback Materials (Binding, duplication of Training Materials, & Candidate Schedules)	No Charge
TOTAL FOR SERGEANT PROMOTIONAL PROCESS	**$6,250.00**

Note: Consultant agrees to provide assistance in defending any aspect of the promotional examinations for which the consultant was directly responsible, if required to do so, through expert testimony in court or at administrative proceedings. Consultant will provide the first ten (10) hours of said service free of charge (exclusive of reasonable travel expenses, which will be billed separately). Hourly rate after the first ten hours is $150.00 per hour (exclusive of reasonable travel expenses that will be billed separately). A lump sum can be negotiated for extended periods.

ITEM NO. 11.C

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Carlos Llamas, Project Manager

SPONSORED BY:

SUBJECT: **A Resolution Accepting a Miami-Dade County Neat Streets Tree Planting Matching Grant Award in the Amount of $21,354 - *Sponsored by Mayor Brent Latham***

RECOMMENDATION

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ACCEPTING A NEAT STREETS MIAMI-DADE COUNTY MATCHING GRANT AWARD FROM MIAMI-DADE COUNTY PARKS, RECREATION, AND OPEN SPACES DEPARTMENT FOR THE NORTH BAY VILLAGE URBAN REFORESTATION PROJECT; APPROVING A MATCHING GRANT AGREEMENT; PROVIDING FOR AUTHORIZATION; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Approve a resolution accepting a 2024 Miami-Dade County Neat Streets Tree Planting Matching Grant for $21,354.

BACKGROUND AND ANALYSIS

To enhance the tree canopy within North Bay Village (NBV) and beautify public spaces, the Village has successfully planted 132 trees since 2019, thanks to the support of Miami-Dade County's Neat Streets Program. Furthermore, the Village has secured grant funding from Miami-Dade's Neat Streets Program to plant an additional 30 native, salt-tolerant trees (20 gumbo limbos, 10 Spanish stoppers) at Treasure Island Elementary School.

The grant award for this project amounts to $21,354, with a requirement of $9,818 in total

expenses due from the Village, including a cash match of $7,118, and the remainder being met through in-kind support and staff time for project implementation.

Given that school plantings require approval from Miami Dade County Public School (MDCPS) staff approval, an extension agreement of 3 months was required and incorporated in the grant agreement.

The proposed tree species and designated locations, as chosen by the Village's consulting Landscape Architect Aida Curtis, are depicted on the second page of the attachment titled “2024 Tree Species Selection”.

Approval of this item will help make North Bay Village more livable; as such, it promotes livability by centering on people – residents, business owners, and visitors – North Bay Village will become a more attractive place to work, live, and do business.

The NBV100 Livability pillar puts the focus on placemaking in four ways:

• Prioritizing people over cars
• Embracing the waterfront
• Improving the quality of life

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
County Grant Revenue (001.00.389.3370) $21,354

PERSONNEL IMPACT
None

ATTACHMENTS
Resolution Accepting MDC Neat Streets Grant Award 2024
Exhibit A - 2024 GREEN MDC Matching Grant Agreement .pdf
North Bay Village - Notice of Award REV.pdf
2024 Tree Species Selection.pdf

RESOLUTION NO. 2024-____

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ACCEPTING A NEAT STREETS MIAMI-DADE COUNTY MATCHING GRANT AWARD FROM MIAMI-DADE COUNTY PARKS, RECREATION, AND OPEN SPACES DEPARTMENT FOR THE NORTH BAY VILLAGE URBAN REFORESTATION PROJECT; APPROVING A MATCHING GRANT AGREEMENT; PROVIDING FOR AUTHORIZATION; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Neat Streets Miami ("Neat Streets") is a multijurisdictional, Miami-Dade County (the "County") board created in 2002 as an initiative focused on beautification of roadways, gateways, and other public right of ways in an effort to enhance the image of the County, and to boost tourism; and

WHEREAS, Neat Streets operates the Growing Roots for Environmentally Equitable Neighborhoods (GREEN) County Matching Grant Program (the "Program"), which has made funds available to municipalities and organizations to plant trees on the County's corridors as part of the goal of achieving a 30% tree canopy; and

WHEREAS, North Bay Village (the "Village") applied for the 2024 Program to partially fund the Village's Urban Reforestation Project (the "Project"); and

WHEREAS, on February 2, 2024, the County awarded the Village a matching grant in the amount of $21,354 (the "Matching Grant") for the Project; and

WHEREAS, the Village will allocate matching funds as required; and

WHEREAS, the Village Commission desires to accept the Matching Grant and approve a Tree Planting Agreement with the County Parks, Recreation, Open Spaces Department (the "Agreement"), in substantially the form attached hereto as Exhibit "A"; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. **Grant Accepted.** That the Village Commission hereby accepts the Matching Grant.

Section 3. **Approval.** That the Village Commission hereby approves the Agreement, in substantially the form attached hereto as Exhibit "A."

Section 4. **Authorization.** That the Village Manager is hereby authorized to execute the Agreement, in substantially the form attached hereto as Exhibit "A," and any required or related agreements, amendments, or documents that are required to implement the purposes of this Resolution and the Agreement, subject to the approval of the Village Attorney as to form, content, and legal sufficiency, and to expend budgeted funds as may be needed for the portion of the Project that is not covered by the Matching Grant. The Village Manager is further authorized to execute future renewals and extensions of the Agreement without further Village Commission approval.

Section 5. **Implementation.** That the Village Manager is hereby authorized to take all actions necessary to implement the purposes of this Resolution.

Section 6. **Effective Date.** That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by _____ who moved its adoption. The motion was seconded by _____ and upon being put to a vote, the vote was as follows:

Mayor Brent Latham	_____
Vice Mayor Richard Chervony	_____
Commissioner Goran Cuk	_____
Commissioner Andy Rotondaro	_____
Commissioner Rachel Streitfeld	_____

PASSED AND ADOPTED on this _____ day of _____, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____

Weiss Serota Helfman Cole & Bierman, PL
Village Attorney

Miami-Dade County
Parks, Recreation, and Open Spaces Department

GROWING ROOTS FOR ENVIRONMENTALLY EQUITABLE NEIGHBORHOODS (GREEN) MIAMI-DADE COUNTY MATCHING GRANT PROGRAM

TREE PLANTING AGREEMENT

Grantee: North Bay Village

Amount: $21,354

Grant Description: To plant trees with municipalities and organizations on Miami-Dade County's eligible public land as part of our efforts to reach the Million Trees Miami goal of achieving a 30% tree canopy.

This **Agreement (the "Agreement")**, made and entered into this ____ day of _____, 20___, by and between North Bay Village (the "Grantee") and Miami-Dade County (the "County"), hereinafter called the "County" through its Parks, Recreation and Open Spaces Department (the "Department").

The County and Grantee have agreed to partner on the implementation of North Bay Village Urban Reforestation Project (project name) to be completed by July 31, 2024.

RECITALS

WHEREAS, the County desires to increase the tree canopy in Miami-Dade County and to reach the Million Trees Miami-Dade County goal of achieving a 30% tree canopy; and

WHEREAS, the County has provided a subaccount to the tree trust fund for the procurement of trees on county and local public land and of this amount $21,354 (the "Grant Funds") will be provided to the Grantee on the terms and conditions set forth in this Agreement; and

WHEREAS, the Grantee wishes to undertake such activities provided in the scope of work in Exhibit A of this Agreement; and

WHEREAS, the Grantee is responsible for the maintenance of the trees after completion of the project, in perpetuity; and

NOW, THEREFORE, the County and Grantee agree as follows:

TERMS AND CONDITIONS OF AGREEMENT

A. Requirements for approval of Grant Award Agreement: As a prerequisite to its receipt of the Grant Funds, the Grantee shall meet the requirements set forth below to the County's satisfaction. Requirements for this grant are listed below.

1. **Timeline:** The following grant project start date, end date, and reporting dates must be adhered to.

   Start date: Contract Execution Date

   End date: July 31, 2024

   Final report date: August 31, 2024

2. **Scope of Work:** It is mutually agreed and understood that the scope of work shall be as provided in *Exhibit A (Grant Application Package)*. Scope of Work must adhere to:
   - All trees must be canopy natives or Florida-friendly trees. For the purpose of this grant, palms are not considered canopy, and as such are not eligible for grant reimbursement or match for these projects. All trees must be planted on public property within Miami-Dade County in adherence to Miami-Dade County's Landscape Ordinance (Chapter 18-A and Chapter 18-B).
     - Trees shall have a minimum overall height of 12-feet and 2-inch caliper at time of installation. If planting Florida native species, trees shall have a minimum overall height of 8-feet and 1.5-inch caliper at time of installation.
     - When installed in roadways, trees shall have a maximum average spacing of 35-feet on center and be placed within 7-feet of the edge of the roadway pavement and/or where present, within 7-feet of the sidewalk.
     - Trees shall be installed in a way that complies with site triangle regulations and should not be planted within no planting zones.
     - If trees are proposed under overhead power lines, they shall have a minimum overall height of eight (8) feet and a minimum caliper of one-half (1.5) inch at the time of planting. The maximum average spacing in this case shall be 25-feet.
     - All trees shall have and shall be maintained with a trunk clearance of four (4) feet (no multi-trunk).
   - All trees must conform to the standards for a Florida No. 1 or better, as provided in the most current edition of the "Florida Grades and Standards for Nursery Plants."
   - Each Grantee is encouraged to review the Neat Streets Miami-Dade County GREEN Miami-Dade County Matching Grant Guidelines to ensure that the project will be in full compliance with the stated requirements.

3. **Budget:** It is mutually agreed and understood that the project costs shall be as provided in *Exhibit A (Grant Application Package)*. The match amount must equal 25% or 50% of total projects costs (dependent on existing urban tree canopy in the municipality where

the project is located, as defined by the 2021 Miami-Dade County Urban Tree Canopy Assessment) and may exceed the grant amount. If any portion of the match requirement will be met through the provision of in-kind service, the County shall approve the value or cost of the in-kind services to be provided to fulfill the matching requirements. Match must remain the same or exceed the percentage referenced in the original application.

4. **Promotions:** All promotions must adhere to the Neat Streets Miami-Dade County Media Release Guidelines. The Grantee will agree to prepare a draft Press Release which describes its project and acknowledges Neat Streets Miami-Dade County and Million Trees Miami-Dade County, which shall be subject to the County's approval in advance of publication. The County shall also be acknowledged in any subsequent media releases or in any printed, website, social media or other communication materials related to the project. Copies of any other publicity as well as copies of any major work products generated in connection with this grant shall be forwarded to the County for review. Miami-Dade County, Million Trees Miami-Dade County, and Neat Streets Miami-Dade County logos should be included in all printed materials.

5. **Miami-Dade County Tree Trust Fund:** Funds allocated to projects by the GREEN Miami-Dade County Matching Grant come from mitigation funds collected by the Division of Environmental Resources Management, i.e. the Tree Trust Fund, and as such are encumbered for the planting of trees on public property. These funds shall not be used to satisfy tree mitigation per permitting or enforcement requirements.

6. **Conditions and Contingencies**: The Grantee agrees that the Grant Funds will be used only for the purpose as stated in this Agreement, as described in the Scope of Work and with no substantial variance to the approved Budget (See *Exhibit A*) unless prior approval in writing is obtained from the County. The Grantee certifies that the grantee organization operates under a tax-exempt status. If Grantee determines that grant funds cannot be expended by July 31, 2024 (end date), the grantee must notify liaison or request a no-cost extension (see Exhibit D – Amendment Change Form) immediately and no later than July 1, 2024.

B. Additional Requirements due throughout the funding period:

1. **Reporting:** Final Report must be submitted electronically by August 31, 2024. Refer to Exhibit B for reporting guidelines.
2. **Data Tracking:** All trees planted must be mapped according to County specifications: Google Live Maps and Data Tracking Form (Exhibit C)
3. **Contract Amendments:** The Grantee must submit an Amendment Change Form (Exhibit D) to request any change to the executed contract. This form must be approved prior to the Grantee making any of the proposed changes in order for the Grantee to submit projects elements related to the change, for reimbursement.
4. **Organizational Status Changes**: The Grantee must notify the County liaison within two weeks of changes in organizational status, including but not limited to: key personnel

such as senior or project staff, organizational name, tax status, and organizational address.

5. **Other Organizational Changes**: The Grantee will notify the County's liaison of any organizational changes, such as new address or contact information.

C. Reimbursement/Agreement Closeout Requirements: Reimbursement for eligible project costs will be requested once the Exhibit B Final Report is received, reviewed, and processed by the Grant Administrator. Reimbursement requests are contingent upon the Exhibit B Final Report being complete with all required information, in the correct format. All final reporting documents must be received and processed within two (2) years or 730 days from the reporting date specified in this contract due date, or the Grantee forfeits their right to request reimbursement.

D. Indemnification of County

Subject to the limitations on liability set forth in Section 768.28, Florida Statues (to the extent the entity is a State or local government), the Grantee agrees to indemnify, save, and hold the County harmless from all liability, loss, cost, and expense, including attorneys' fees and court costs at all trial and appellate levels, which may be sustained by the County, to any person, natural or artificial, by reason of the death of or injury to any person or damage to any property, whether or not due to or caused by the negligence of the Grantee, arising from or in connection with the Grantee's (or its employees, agents, contractors, subcontractors, licensees, or invitees) installation and/or maintenance of trees on County property or in the County right-of-way. The Grantee agrees to defend, at its sole cost and expense, but at no cost and expense to the County, any and all suits or actions instituted against the County for the imposition of such liability, loss, cost, and expense arising from or in connection with the Grantee's (or its employees, agents, contractors, subcontractors, licensees, or invitees) installation and/or maintenance of trees on County property or in the County right-of-way.

Primary Grant Contract:
Provide the information below for the primary contact person for this grant. This is the person to whom all correspondence will be directed.

Name: _____

Title:_____

Mailing Address:_____

City, State, Zip:_____

Phone:_____

Email:_____

Website:_____

IN WITNESS WHEREOF, the parties hereto have caused these present to be executed on the day and year first written above.

NAME OF GRANTEE: _____

ADDRESS: _____

BY: _____ DATE: _____

Grantee Representatives' Signature

PRINT NAME _____ TITLE: _____

MIAMI-DADE COUNTY, FLORIDA

BY: _____ DATE: _____

Director Parks, Recreation and Open Spaces Department

LEGAL SUFFICIENCY: _____ DATE: _____

County Attorney

EXHIBIT A:
GRANT APPLICATION PACKAGE SCOPE OF WORK
2024 GREEN Miami-Dade County Matching Grant

[INSERT FINAL GRANT APPLICATION PACKAGE HERE]

Wednesday, September 13, 2023

2024 GREEN Miami-Dade County Matching Grant

Let's GREEN up to cool down!

In Miami-Dade County, extreme heat is on the rise due to climate change and urban development patterns. Trees can provide shade for people, buildings, and parking lots and lower surface and air temperatures. **Apply today** for our Growing Roots for Environmentally Equitable Neighborhoods (GREEN) Miami-Dade County Matching Grant in an effort to combat extreme heat and help us achieve a 30% urban tree canopy. Funded by Miami-Dade County, this grant engages municipalities, agencies, non-profits, foundations, and community groups in planting native or Florida-friendly trees on public land, including corridors, gateways, bus stops, schools, libraries, public housing sites, and parks.

The **goal of this program** is to leverage the County's Tree Trust Fund by encouraging investments on public land.

Grants of $5,000 to $100,000 will be awarded to those communities who can demonstrate the greatest benefits for residents, employers and visitors, and are able to provide a stewardship plan for our joint investment.

The GREEN Miami-Dade County Matching Grant provides either a 75% or 50% **match** contribution to the Applicant, depending on existing urban tree canopy in the municipality where the proposed planting project is located, not to exceed the maximum grant amount for the current cycle ($100,000).

Eligible expenses for grant funds are as follows:

- Procurement of trees
- Contractor installation of trees
- Contractor maintenance of trees for the first year (watering, mulching, staking, pruning, fertilizing)
- Tree planting supply costs
- Contractor preparation of the planting site

The Grant Application must include the following:

- Online submittal by deadline
- Detailed proposed budget
- Google Live Planting Plan(s) with location, number of trees and species. A professional landscape design is not required.
- Before photos of project location(s)

Grant applications will be evaluated using the following criteria:

1. Existing Tree Canopy and Income Level
    - Area has 20 percent or less existing tree canopy
    - Area has low-to-moderate income populations
    - Applicant does not have access to a tree trust fund
2. Project Enhancements
    - Growing Green Bus Stops
    - Growing Green Playgrounds
    - Gateways/Corridors/Connections to Schools and/or Parks
    - Schools/Parks/Libraries/Public Housing Sites
    - Natural Disaster Recovery
    - Planting on Local/Neighborhood Streets
3. Resiliency/Impact
    - Biodiversity
    - Planting in a FEMA flood zone
    - Number of trees
    - First time applicant
    - Continuation of planting from a previous cycle (next phase)
    - Fulfillment of established community plan
    - Extreme heat

While preference will be given to areas with low-to-moderate income populations defined as census tract that are in the fourth or fifth quintile distribution of Median Household Income, and/or with 20 percent or less tree canopy, grant applications that do not meet either or both of these preferences will still be considered.

Timeline:

- Grant application opens: August 14, 2023
- Grant info webinar*: August 18, 2023 at 11 a.m.
- Application deadline: September 15, 2023
- Anticipated award announcements: late November 2023
- Last Day to Notify NSM staff of location changes: January 31, 2024
- Planting deadline: April 30, 2024
- Final report deadline: May 31, 2024

Visit the GREEN Miami-Dade County Matching Grant Program webpage for more details.
*On Friday, August 18, 2023, we will be hosting an informational webinar via Zoom. For more information, questions, or to request to join the webinar, please email Nikki.Anderson@miamidade.gov.

Click here for the **GREEN Miami-Dade County Matching Grant Guidelines**.

Name of Organization	North Bay Village
Address	1666 Kennedy Causeway, Suite 300 North Bay Village, FL, 33141 United States
Organization Type	Municipality

Interested non-profits, foundations, and community groups should contact Neat Streets Miami-Dade County prior to submitting an application to ensure that their proposed planting does not have any conflicts with current or planned projects. Please email Nikki Anderson at Nikki.Anderson@miamidade.gov.

Is the municipality a Tree City USA?	No
Will the municipality apply to become a Tree City USA?	Yes
How many trees were planted by your municipality/organization/agency in the previous calendar year (January 1 - December 31, 2023)?	62
Contact Name (Person filling out application)	Carlos Llamas
Job Title	Project Manager
E-mail	cllamas@nbvillage.com
Phone Number	(33141) 786-9182306
Project Manager (If awarded)	Carlos Llamas
E-mail	cllamas@nbvillage.com
Phone Number	(33141) 786-9182306

Project Narrative

Project Title North Bay Village Urban Reforestation Project

Goals of Project

The project is a continuation of the North Bay Village Urban Reforestation Project.
The primary beneficiaries of this project are the residents and visitors of North Bay Village and the students attending Treasure Island Elementary School.
North Bay Village is a densely populated island community
with limited green spaces. This reforestation effort continues to advance the Village's tree strategy by providing beautiful and shaded pathways for pedestrians, reducing urban heat islands, and providing nature-based stormwater mitigation.
The village is identified as a priority community for the GREEN
Miami-Dade County Tree Matching grant. With the County's support through proper planning in alignment with the Village's award-winning NBV100 Master Plan and Stormwater Master Plan, the Village will revitalize its urban canopy and contribute to the County's overall resilience. The Village will then explore the benefits and feasibility of seeking the Tree City USA designation.

Will the project fulfill an element of an established community plan? (Yes/No) Yes

Please name the established community plan. NBV 100 Master Plan

Is this proposal the continuation of a previous GREEN Miami-Dade County (formerly known as Street Tree) Matching Grant-funded project? If yes, please provide the funding year(s) below. 2023

Project Enhancements

Project enhancements are key project components that help further specific goals and initiatives of Neat Streets Miami-Dade County. Please see below for a detailed description of each potential enhancement for inclusion. Please select all that apply.

Growing Green Bus Stops

Neat Streets Miami-Dade County's Growing Green Bus Stop initiative encourages the installation of shade trees at unshaded bus or transit stops throughout Miami-Dade County in order to mitigate the urban heat island effect and enhance the transit experience.
For information on Planting Trees at Bus Stops, click here.

Will your project include a Growing Green Bus Stop? No

Growing Green Playgrounds

Neat Streets Miami-Dade County's Growing Green Playgrounds initiative addresses the wellbeing of children and youth in Miami-Dade County by ensuring their safety through the planting of shade trees at playgrounds (with or without canopy structures) to help decrease dangerously high surface temperatures.

Will your project include a Growing Green Playground? No

Gateways/Corridors/Connections to Schools and/or Parks

- *Gateways, both vehicular and pedestrian, identify entrance points into the County and key destinations*

*within the County. They are intended to enhance travelers' experience as they enter Miami-Dade County from the surrounding areas by offering scenic views and appealing architectural elements. Gateways into retail areas, public greenways, and park systems may also take advantage of scenic views and incorporate local artwork and vegetation to provide texture and interest. Successful Gateways use **landscape**, architecture, other materials, and views to cultivate a sense of identify and an atmosphere of welcome.*

- *Corridors are the major physical routes that channel vehicular, pedestrian and boat traffic into and within Miami-Dade County, lining cities and neighborhoods to each other and to the surrounding region. The views and general experience of those traversing the County's Corridors define, to a great extent, the overall image of the County, consequently effecting residents' quality of life, the tourist experience, the economic development climate and other important factors.*
- *Creating safe and equitable access to parks and schools through infrastructure improvements, such as the installation of trees, encourages walking and bicycling.*

Will your project include shading a Gateway, Corridor, and/or Connection to School and/or Park?

Connection to School

Provide the location(s) of the proposed planting, along with the name of the park or school the project is connecting to. What is the number of trees that will be planted (specify the species for each).

1851 GALLEON ST
NORTH BAY VILLAGE FL 33141-3310

Connecting to TREASURE ISLAND ELEMENTARY SCHOOL

Number of Trees: 30

10 Stopper Trees around the perimeter of the Galleon St. site and another 20 Gumbo Limbo to complete the planting in the Treasure Island Elementary School around the tennis courts

Attach before photos of each Connection to a Park and/or School.





School/Park/Library/Public Housing/Other Planting Sites
The 2024 GREEN Miami-Dade County Matching Grant cycle encourages planting locations on public land, including streets, schools, parks, libraries, public housing sites, and other eligible locations. Planting trees in these locations aims to increase canopy and bring multiple benefits and enhancements to our community.

Will your project include planting at a school, park, library, public housing site, or other eligible public property?

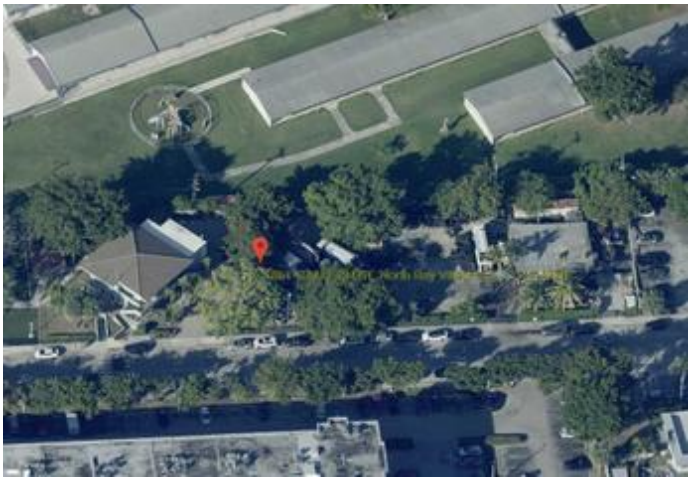
Yes

Provide the name and address of the public land location(s) for each eligible site. What is the number of trees that will be planted (specify the species for each).

1851 GALLEON ST
NORTH BAY VILLAGE FL 33141-3310

TREASURE ISLAND ELEMENTARY SCHOOL
7540 E Treasure Dr, North Bay Village, FL 33141

Attach before photos of the public land planting sites to be enhanced.





Natural Disaster Recovery
Natural disaster recovery includes tree replacement/planting of areas ravaged by hurricanes or other natural disasters, to help rebuild communities and improve resiliency physically, as green infrastructure.

Will your project include tree replacement in an area affected by a natural disaster?

No

Local Public Roads

Local roads provide limited mobility and are the primary access to residential areas, businesses, farms, and other local areas. Local roads, with posted speed limits usually between 20 and 45 miles per hour, are the majority of the most roads in the U.S. Planting trees on local, public roads directly impacts our community, providing shade, cooling, cleaner air, and traffic calming measures to our residents where they live.

Will your project include tree planting on local, public roads? No

Project Location

LANDSCAPE REQUIREMENTS
All trees must be canopy natives or Florida-friendly trees. For the purpose of this grant, palms are not considered canopy, and as such are **not** eligible for grant reimbursement or match for these projects. All trees must be planted on public land within Miami-Dade County in adherence to Miami-Dade County's Landscape Ordinance (Chapter 18-A and Chapter 18-B).

- Trees shall have a minimum overall height of 12-feet and 2-inch caliper at time of installation.
- When installed in roadways, trees shall have a maximum average spacing of 35-feet on center and be placed within 7-feet of the edge of the roadway pavement and/or where present, within 7-feet of the sidewalk.
- Trees shall be installed in a way that complies with site triangle regulations and should not be planted within no planting zones.
- If trees are proposed under overhead power lines, they shall have a minimum overall height of eight (8) feet and a minimum caliper of one-half (1.5) inch at the time of planting. The maximum average spacing in this case shall be 25-feet.
- All trees shall have and shall be maintained with a trunk clearance of four (4) feet (no multi-trunk).
- All trees must conform to the standards for a Florida No. 1 or better, as provided in the most current edition of the "Florida Grades and Standards for Nursery Plants."

Location(s) of Planting (if not covered in project enhancements above)
10 Stopper Trees around the perimeter of the Galleon St. site and another 20 Gumbo Limbo to complete the planting in the Treasure Island Elementary School around the tennis courts

Will any of the trees proposed in this project be planted underneath power lines? No

Will any of the trees proposed in this project be planted in a high-flood risk FEMA Flood Zone Yes

If yes, please list the FEMA Flood Zone (e.g. AE, AH, VE, A, D)
AE

Miami-Dade County Commission District (project location) 4

To locate the project's Miami-Dade County Commission District, please click here.

County or Local Road? Local Road

Interested applicants planting outside of their jurisdiction should notify Neat Streets Miami-Dade County at Nikki.Anderson@miamidade.gov about their intent on planting in specified jurisdictions to avoid conflicting projects.
If planting in an area outside the applicant's jurisdiction, applicants must have permission from the governing jurisdiction of the project location at the time the application is submitted. If a permit is required to plant at that location, applicants must disclose that requirement in their grant application and

are required to secure said permits within the grant project period prior to planting, if awarded.

Please state the local jurisdiction North Bay Village

Description of Trees

Proposed number of trees to be installed 30

All trees must be canopy native or Florida-friendly trees. Palms are not considered canopy. Please adhere to FPL's Right Tree, Right Place under power lines. In an effort to maximize grant dollars and long-term survivability of trees, please keep tree heights at 12ft to 14ft, and under powerlines, 8ft to 12ft, as appropriate.
For general information, along with recommended street tree species, please review the Miami-Dade County Street Tree Master Plan.
Please limit the planting of trees on streets that have proven fragile during storms such as glaucous cassia (Senna surattensis), jacaranda (Jacaranda mimosifolia), yellow tabebuia (Tabebuia caraiba), and non-native ficus species.

Please provide a breakdown of the number of each species (scientific and common name) and size of trees (height & DBH/caliper) to be installed

20 Gumbo Limbo Trees
10 Stopper Trees

Planting Plan

For instructions on how to create a Planting Plan in Google Live Maps, please click here. Please note, if you are planning on planting more than 10 species as a part of this project, you will need to submit two (or more) Google Live Maps / Planting Plans, as there is a 10-layer limit per map.

Submit Planting Plan / Google Live Map Link(s)

https://www.google.com/maps/d/edit?mid=1OEM_mk3o6VudL1oLl8HiBHgpQeJamZc&ll=25.845307775506814%2C-80.14744578281908&z=18

Existing Tree Canopy and Income Level

Dependent on the scope of your project, existing tree canopy can be determined at different levels (municipal or zip code). Match requirements are determined by canopy at the municipal level. Please select one below. Municipal

Based on the level you selected above, please provide the target area's existing tree canopy. 9%

For information regarding existing tree canopy, please click here. If you have any questions, please contact Nikki Anderson at Nikki.Anderson@miamidade.gov.

Is the project area low-to-moderate income? No

For information regarding income level, please click here. If you have any questions, please contact Nikki Anderson

at Nikki.Anderson@miamidade.gov.

Project Outreach and Maintenance Plans

Community Engagement Plan

The Village's primary methods of communicating with residents are through the website, social media, and delivering flyers through direct mail (utility bill) or door-to-door canvassing. In addition, the Village's elected officials have taken a special interest in the reforestation efforts, and it is not uncommon for the Mayor and Commissioners to canvas the community promoting the project or participating in ceremonial tree planting. The Public Information Officer will assist in developing and implementing the community engagement plan. The grant award will be announced via social media and during at least one publicly noticed Commission Meeting. A flyer is developed to promote the project and is posted on the website and social media channels. It is also distributed during canvassing events. At least one educational video will be created to promote proper tree selection, planting, or maintenance. This video will remain available on the website and distributed on social media. Finally, the required press release will be drafted to celebrate the successful completion of the project. The press release is posted on the Village's website and social media sites and sent to local newspaper outlets.

Maintenance Plan

The trees will be monitored daily and watered during the 90-day grow-in period. They will also be staked following County requirements. Unless a licensed arborist recommends, the Village will not use fertilizer to minimize pollutants to Biscayne Bay. The Village's public works staff will monitor the trees weekly and prune the trees as necessary. If a tree is not thriving, a licensed arborist will inspect the tree and recommend the next course of action. The Village has a tree maintenance allowance in the approved budget, and these trees will be maintained until they reach the end of life.

Does the your municipality/agency/organization agree to staking (for 1 year) and watering (through establishment) the trees planted as a part of this project?

Yes

Interlocal Agreement for Tree Planting Reporting

Every Applicant is encouraged to enter into an Interlocal Agreement on the Periodic Reporting of Tree Planting with Miami-Dade County.

Has your municipality/agency/organization submitted an Interlocal Agreement with Miami-Dade County to report tree planting?

Yes

Timeline

We anticipate award notifications will be made in November 2023, with a planting deadline of April 30, 2024, and a final report due date of May 31, 2024. Please confirm below that your organization can accomplish the proposed planting within these parameters.

Yes

Budget

MATCH REQUIREMENT

Applicants with projects located in municipalities with less than 10% existing urban tree canopy (UTC) will be responsible for 25% of total project costs; applicants with project locations with greater than 10% existing urban tree canopy will be responsible for 50% of total project costs. The GREEN Miami-Dade County Matching Grant provides either a 75% or a 50% match contribution to the Applicant not to exceed the maximum grant amount for the current cycle ($100,000).

- Example #1, for a $10,000 project in a low canopy (less than 10%) municipality, the GREEN Miami-Dade County Matching Grant would provide the Applicant with $7,500, and the Applicant would be required to provide a match of $2,500.
- Example #2, for a $10,000 project in an area with more than 10% existing UTC, the GREEN Miami-Dade County Matching Grant would provide the Applicant with $5,000, and the Applicant would be required to provide a match of $5,000.

Acceptable match includes in-kind services (capped at 10% for indirect costs, dependent on expense) and cash, which can include funds received through another grant. All match dollars and in-kind services must be expended post-award.

Eligible expenses for grant funds include:

- Procurement of trees
- Contractor installation of trees
- Contractor maintenance of trees for the first year (watering, mulching, staking, pruning, and fertilizing)
- Tree planting supply costs
- Contractor preparation of the planting site

Eligible expenses for matching funds (no cap) include:

- Permit fees
- Invasive species removal as part of planting preparation
- Salary and fringe benefits for employees executing direct, project-related costs:
  o Preparation of planting site
  o Installation of trees
  o Maintenance of trees for the first year (watering, mulching, staking, pruning, and fertilizing)

Eligible expenses for matching funds (not to exceed 10% of the total award amount) include:

- Community outreach materials
- In-kind services of salary and fringe benefits for employees executing:
  o Grant management
  o Creation, collection, and/or disbursement of educational information and community outreach materials

Volunteer hours and value of donated materials are not eligible for reimbursement and will **not** be accepted as match.

Funds allocated to projects by the GREEN Miami-Dade County Matching Grant come from mitigation funds collected by the Division of Environmental Resources Management, i.e. the Tree Trust Fund, and as such are encumbered for the planting of trees on public property. These funds shall **not** be used to satisfy tree mitigation per permitting or enforcement requirements. Additionally, GREEN Miami-Dade County Matching Grant funds cannot be used to remove stunted trees.

Amount of Grant Funds Requested in $	22500
Amount of Matched Funds in $	13793
Total Project Budget	36293

Click here for Budget and Staff Hour Estimate Templates. Please be sure to use the correct template based on the existing urban tree canopy at your proposed project location. If you have any questions about which match requirement applies to your project, please contact Nikki Anderson at Nikki.Anderson@miamidade.gov.

Detailed Budget

2023 GREEN-Budget and In-… .xlsx

From: Carlos Llamas
To: Anderson, Nikki (PROS)
Cc: Rebustillo, Keria (PROS); Delroy Peters; Marlon Lobban
Subject: Re: 2024 GREEN MDC Matching Grant Application - Follow Up (North Bay Village)
Date: Wednesday, November 8, 2023 8:53:15 AM
Attachments: image001.png
image002.png
image004.png

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good morning Nikki,

Yes, the Village will be amenable to this complying.

Thank you,

From: Anderson, Nikki (PROS) <Nikki.Anderson@miamidade.gov>
Sent: Tuesday, November 7, 2023 4:13 PM
To: Carlos Llamas <cllamas@nbvillage.com>
Cc: Rebustillo, Keria (PROS) <Keria.Rebustillo@miamidade.gov>
Subject: [External] 2024 GREEN MDC Matching Grant Application - Follow Up (North Bay Village)

Good afternoon, Carlos:

Our GREEN Miami-Dade County Matching Grant Selection Committee has reviewed the 2024 cycle applications. They have the following feedback to share:

- Gumbo limbos are large stature trees and require appropriate spacing when planted. For the planting location shading the courts at Treasure Island Elementary School, please ensure that they are planted with at least 25-30 feet between trees.

If funded, would the Village be amenable to this complying with this feedback? Please let me know if you have any questions.

Thank you in advance,

Nikki W. Anderson
(she/her)
Special Projects Administrator
Community Forestry & Beautification Division |
Miami-Dade County Parks, Recreation and Open Spaces Department
Neat Streets Miami | Miami-Dade County
275 NW 2nd Street, Suite 540, Miami, Florida 33128



Connect With Us
Million Trees Miami: Instagram| Facebook
Keep Miami-Dade County Beautiful: Instagram

"Delivering Excellence Every Day"
Miami-Dade County is a public entity subject to Chapter 119 of the Florida Statutes concerning public records.

This email has been scanned for spam and viruses by Proofpoint Essentials. Click here to report this email as spam.

GREEN Miami-Dade County Matching Grant
Budget Template

BUDGET
North Bay Village
North Bay Village Urban Reforestation Project

	Cost Per Unit	Quantity	Grant Funds	Match Funds	Total Budget
DIRECT COSTS					
Trees					
Gumbo Limbo/Bursera simaruba	$ 750.00	20	$ 11,250.00	$ 3,750.00	$ 15,000.00
Stopper (Spanish)	$ 750.00	10	$ 5,625.00	$ 1,875.00	$ 7,500.00
Total number of trees		*30*			
Supplies					
Mulch					
Stakes					
Rental of auger					
Site Prep/Installation (Contractor)					
Site preparation	*See Staff Hour Est. Sheet*		$ 495.75	$ 165.25	$ 661.00
Installation/Staking	*See Staff Hour Est. Sheet*		$ 620.25	$ 206.75	$ 827.00
Watering/Maintenance	*See Staff Hour Est. Sheet*		$ 3,363.00	$ 1,121.00	$ 4,484.00
INDIRECT COSTS - not to exceed 10% of award total					
Inkind Labor					
Grant Management	*See Staff Hour Est. Sheet*			$ 1,723.00	$ 1,723.00
Education/Outreach	*See Staff Hour Est. Sheet*			$ 977.00	$ 977.00
Community Outreach Materials				$ -	$ -
TOTAL COSTS:			**$ 21,354.00**	**$ 9,818.00**	$ 31,172.00

Indirect Costs Cannot Exceed	*$*	*2,135.40*
Current Indirect Costs Subtotal	*$*	*2,700.00*

***All trees must conform to the standards for a Florida No. 1 or better, as provided in the most current edition of the "Florida Grades and Standards for Nursery Plants."**
****All final invoices at closeout need to reflect the above statement.**

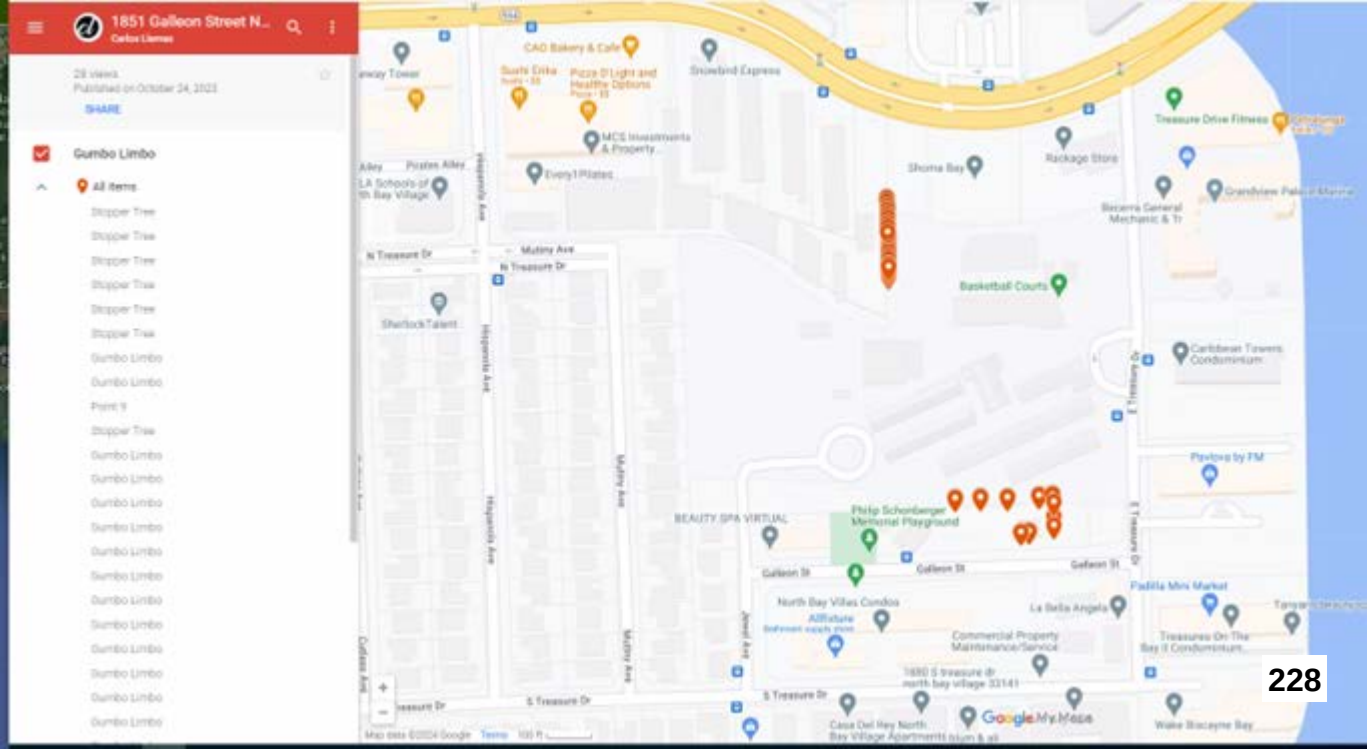

1851 Galleon Street N...
Carlos Llamas
28 views
Published on October 24, 2023
SHARE
Gumbo Limbo
All items
Stopper Tree
Stopper Tree
Stopper Tree
Stopper Tree
Stopper Tree
Stopper Tree
Gumbo Limbo
Gumbo Limbo
Point 9
Stopper Tree
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
Gumbo Limbo
CAO Bakery & Cafe
Snowbird Express
Treasure Drive Fitness
Shorna Bay
Basketball Courts
Caribbean Towers Condominium
Pavlova by FM
Philip Schonberger Memorial Playground
BEAUTY SPA VIRTUAL
Galleon St
North Bay Villas Condos
Commercial Property Maintenance/Service
Padilla Mini Market
La Bella Angela
Treasures On The Bay II Condominium
Mutiny Ave
Hibiscus Ave
Murphy Ave
Sunset Ave
S Treasure Dr
N Treasure Dr
Sherlock Talent
Every1Pilates
MCS Investments & Property
Google My Maps
228

EXHIBIT B:
FINAL CLOSE-OUT REPORT
2024 GREEN Miami-Dade County Matching Grant

Name of Municipality/Organization:	
Name of Project:	
Report Submitted By:	
Title:	
Phone Number:	
Email:	
Date Submitted:	

PROJECT NARRATIVE

1. Why did you apply for the GREEN Miami-Dade County Matching Grant (i.e. urban tree canopy restoration after a natural disaster, low tree canopy, beautification effort, stormwater mitigation, combatting extreme heat in your community etc.). Did you accomplish your goal? Please explain.

2. How many trees were planted as a result of your grant award? Please specify the species selected, including how many of each were planted. [Make sure the number of trees and species are the same on the final budget, invoice(s), data tracking, and landscape plan.]

Tree Species	Number Planted	Date Installed
e.g. Live oak	10	
Gumbo limbo	30	
Tree Total	**XX**	

3. List any obstacles you encountered while coordinating this project and describe how these issues were addressed.

LANDSCAPE RENDERING

Submit FINAL Google Live Map(s) link:

PROJECT ENHANCEMENTS

A. Growing Green Bus Stops

Did your project include a Growing Green Bus Stop? If so, please provide the following:

1. **How many bus or transit stops were shaded? _____**
2. **Attach a before and after photo for each bus or transit stop shaded.**
3. **Please fill out the chart below:**

Location(s) of each bus or transit stop	Number of Trees Planted	Species Planted
Address/Crossroads/Name of Stop		

B. Growing Green Playgrounds

Did your project include a Growing Green Playground? If so, please provide the following:

1. **How many playgrounds were shaded? _____**
2. **Attach a before and after photo for each playground shaded.**
3. **Please fill out the chart below:**

Location(s) of each playground	Number of Trees Planted	Species Planted
Address/Crossroads/Park Name		

C. Gateways

Did your project include shading a Gateway? If so, please provide the following:

1. **How many Gateways were shaded? _____**
2. **Attach a before and after photo for each Gateway shaded.**
3. **Please fill out the chart below:**

Location(s) of each Gateway	Number of Trees Planted	Species Planted
Address/Crossroads		

D. Corridors

Did your project include shading a Corridor? If so, please provide the following:

1. **How many Corridors were shaded? _____**
2. **Attach a before and after photo for each Corridor shaded.**
3. **Please fill out the chart below:**

Location(s) of each Corridor	Number of Trees Planted	Species Planted
Address/Crossroads		

E. Connections to Parks and Schools

Did your project include shading a connection to a park(s) and/or school(s)? If so, please provide the following:

1. **How many park(s) and/or school(s) connections were shaded? _____**
2. **Attach a before and after photo for each connection to a park(s) and/or school(s) shaded.**
3. **Please fill out the chart below:**

Location(s) of each Park/School Connection	Number of Trees Planted	Species Planted
Address/Crossroads		

F. Parks, Schools, Libraries, Public Housing Sites, Other Public Lands

Did your project include shading one of the aforementioned public land types? If so, please provide the following:

4. **What type of public land was shaded? _____**
5. **Attach a before and after photo for each public land shaded.**
6. **Please fill out the chart below:**

Name & Location of each Park/School/Library/Public Housing/Other	Number of Trees Planted	Species Planted
Address/Crossroads		

G. Natural Disaster Recovery

Did your project include tree replacement/planting of areas ravaged by hurricanes or other natural disasters? If so, please provide the following:

1. **What specific area(s) within your community was the focus of this enhancement?**
   _____
2. **Attach a before and after photo for each area ravaged by natural disaster.**
3. **Please fill out the chart below:**

Location(s) of each Area Restored	Number of Trees Planted	Species Planted
Address/Crossroads/Neighborhood		

H. Shading Local/Residential Streets

Did your project include shading local and/or residential, public streets? If so, please provide the following:

7. **How many streets were shaded? _____**
8. **Attach a before and after photo for each street shaded.**
9. **Please fill out the chart below:**

Location(s) of each local/ residential street	Number of Trees Planted	Species Planted
Address		

OUTREACH, EDUCATION, & EVENTS

In addition to the required press release, list any activities you provided in your outreach plan as part of your grant application (i.e. social media posts, flyers, door hangers, etc.). Copies of all materials used/distributed should be attached to this report when submitted.

Activity	Where, when, and how did this outreach/activity take place?	How many residents did you reach?

FINANCIAL REPORTING

Provide the following information and attach all invoices related to your project, including proof of payment. All invoices should state that *All trees must conform to the standards for a Florida No. 1 or better, as provided in the most current edition of the "Florida Grades and Standards for Nursery.*

- **What was your grant award? _____**
- **What total amount are you requesting reimbursement for? _____**
- **What was your total project cost? _____**
- **Has the GREEN Miami-Dade County Matching Grant helped you secure other dollars or resources needed to sustain your urban tree canopy? If so, please explain.**
  _____
  _____

Invoice Number	Invoice Date	Description of Services	Check Number	Check Date	Check Amount

For in-kind services, timesheets, including hourly rate and activities, as well as proof of payroll must be submitted to be eligible to serve as match.

Attachments:

- Final Close-out Report (as Word document)
- Final approved planting plan (Google Live Map Link) linked above
- Before and after photos of project enhancements, as detailed above (jpegs)
- Copy of executed Interlocal Agreement (if applicable)
- Data Tracking Report (as Excel document): Remember to include DBH and latitude/longitude coordinates for each tree planted with grant and match funds
- Financial Reporting: Final approved budget, all related invoices, proof of payment
- Outreach Efforts: Press release, educational materials, photos, etc. and/or any references to Miami-Dade County and Neat Streets Miami-Dade County support.

PLEASE SUBMIT THIS EXHIBIT B FINAL CLOSE-OUT REPORT AND RELATED ATTACHMENTS BY May 31, 2024 VIA EMAIL TO: NIKKI.ANDERSON@MIAMIDADE.GOV.

EXHIBIT C:
DATA TRACKING FORM
2024 GREEN Miami-Dade County Matching Grant

[INSERT DATA TRACKING FORM HERE]

EXHIBIT D:
AMENDMENT CHANGE FORM
2024 GREEN Miami-Dade County Matching Grant

Name of Municipality/Organization:	
Name of Project:	
Report Submitted By:	
Title:	
Phone Number:	
Email:	
Date Submitted:	
Amendment Number:	

*Please **ONLY** provide information on the elements that you wish to change. For example, if the number of trees to be planted will not be affected by your requested change, there is no need to fill out that row below.* ***For changes to number of trees, tree species, and location of planting, a revised Google Live Map(s) is also required.***

Amendment Types:

Grant Award Amount

	Previously Approved	**Requested Change**
Grant amount		

Please provide an explanation as to why this change is needed:

_____
_____
_____
_____
_____
_____
_____
_____

Time Extension

	Previously Approved	Requested Change
Project completion date (include new Final Report submission date)		

Please provide an explanation as to why this change is needed:

_____
_____
_____
_____
_____
_____
_____
_____

Project Enhancements

	Previously Approved	Requested Change
Enhancements (Growing Green Bus Stop, Growing Green Playground, Gateway, Corridor, Connections to School and/Parks, Public Lands, Natural Disaster Recovery, Local/Residential Streets)		

Please provide an explanation as to why the change is needed:

_____
_____
_____
_____
_____
_____
_____
_____

Trees (Species, Location, Size) – please add lines as necessary; please use one line per tree

Approved Address/Location	Approved Species	Approved Height of Tree	New Location Proposed	New Species Proposed	New Height of Tree Proposed
e.g. 123 SW 67th Ave.	*Live oak*	*14 ft.*	*n/a*	*Pigeon plum*	*n/a*
e.g. 123 SW 67th Ave.	*Live oak*	*14 ft.*	*456 SW 67th Avenue*	*n/a*	*n/a*
e.g. 123 SW 67th Ave.	*Live oak*	*14 ft.*	*n/a*	*n/a*	*12 ft.*

Please provide an updated link to your Google Live Planting Plan that includes a new layer titled Amendment 1 to show the proposed changes: _____

Please provide an explanation as to why the change is needed:

_____

_____

_____

_____

_____

_____

_____

_____

Trees (Quantity) –

Approved Tree Count (in contract): _____
Proposed Tree Count: _____

Please add lines as necessary; please use one line per new tree:

New Address/Location Proposed	New Species Proposed	New Height of Trees Proposed

Please provide an updated link to your Google Live Planting Plan that includes a new layer titled Amendment 1 to show the proposed changes: _____

Please provide an explanation as to why the change is needed:

_____

_____

_____

_____

_____

_____

_____

_____

To be filled out by Neat Streets Miami Staff

Impact Statement: _____

_____

Decision/Recommended Change by GREEN Miami-Dade County Matching Grant Selection Committee, if necessary:

_____

Amendment Change Form Status:
Approved:_____
Not Approved:_____

neat streets
Miami-Dade County

Neat Streets Miami-Dade County Office
Miami-Dade County Parks, Recreation and Open Spaces Department
275 NW 2nd Street • Suite 540
Miami, Florida 33128-1994

February 2, 2024

Mr. Carlos Llamas
North Bay Village
1666 Kennedy Causeway, Suite 300
North Bay Village, FL, 33141

Dear Mr. Llamas:

Congratulations! I am pleased to inform you that **North Bay Village** has been awarded a matching grant in the amount of **$21,354** for the **North Bay Village Urban Reforestation Project**, as part of the 2024 Growing Roots for Environmentally Equitable Neighborhoods (GREEN) Miami-Dade County Matching Grant Program.

This exciting project will help us reach our goal of achieving a 30 percent tree canopy for Miami-Dade County. There has truly never been a better time to create a greener community for our residents!

Neat Streets Miami-Dade County is delighted to partner with you on this project. Together, we will make an even more impactful investment in our community by leveraging County Tree Trust Fund money with match dollars from our grantees.

A contract is being sent to you, along with this notice of award. Once it has been signed by the village, please scan it back, so it can be routed through the County for signature. Please note that work cannot begin on this project until the contract has been fully executed. Any expenses prior to contract execution are not eligible for reimbursement under this funding mechanism.

Please do not hesitate to reach out to Nikki.Anderson@miamidade.gov if you have any questions. Again, we look forward to working with you to implement your project.

Sincerely,

Kevin M. Cabrera
Neat Streets Miami-Dade County Board Chair
Miami-Dade County Commissioner, District 6

2024 NBV TREE PLANTING

2023 Planted Species

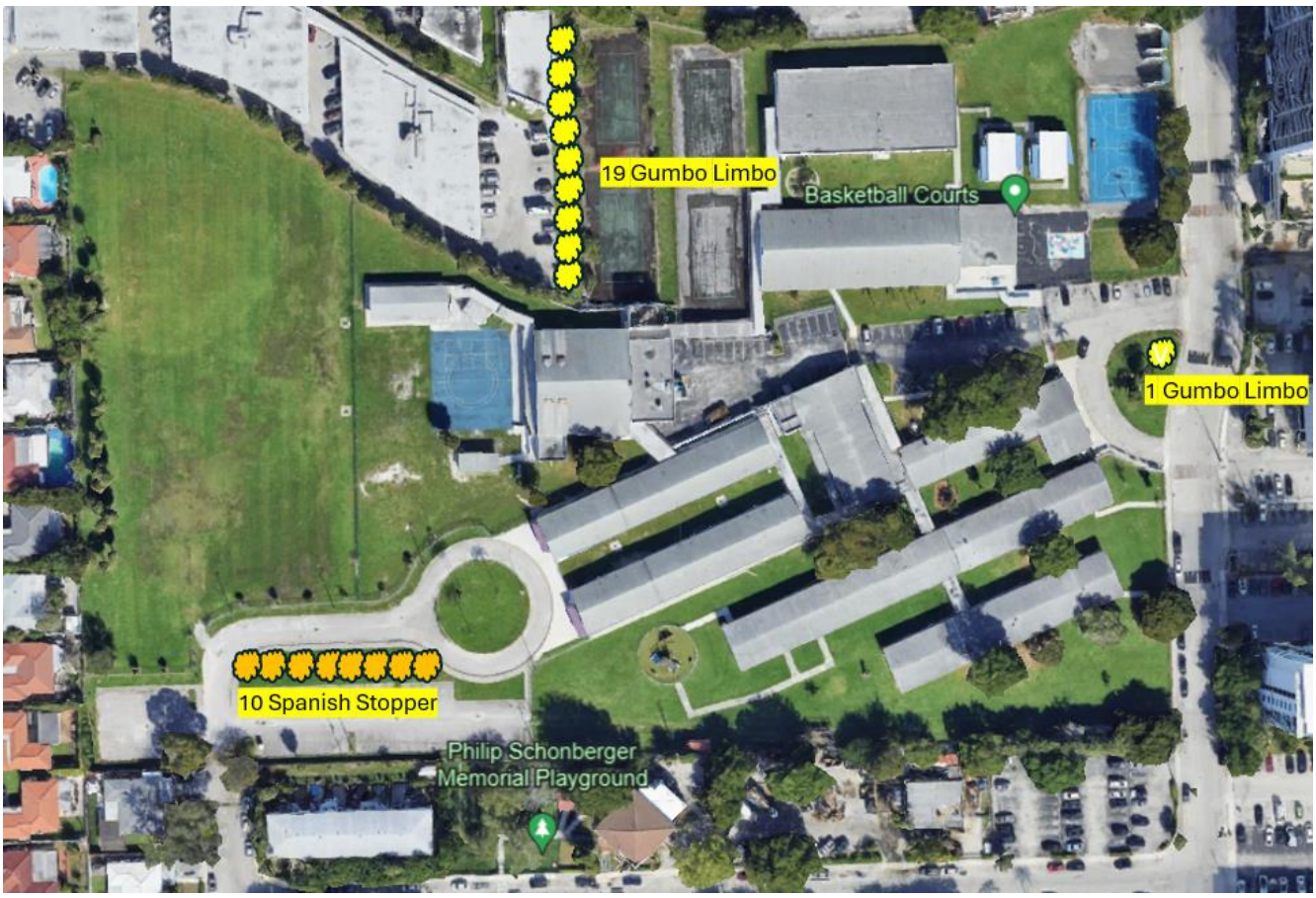
Tree Species	Number Planted	Date Installed
Gumbo limbo	20	5/20/2023
Gumbo limbo	17	8/2/2023
Pigeon Plum	8	8/2/2023
Green Buttonwood	16	8/2/2023
Jamaica Dogwood	7	8/2/2023
Tree Total	**68**	

2024 Species Proposal

19 Gumbo-limbos were selected to continue the landscape of the previously planted species (also Gumbo-limbo)

1 Gumbo Limbo to be planted at the school vehicle drop off entrance. Available options for swapping are Green Buttonwood, Pigeon Plum, Jamaican Dogwood, Wax Myrtle (see pictures below)

10 Stoppers to be planted in front of the parking lot spots to provide shade. Available options for swapping are Stopper (red, white, Simpson), Gieger tree, Bahama tab or Dahoon Holly (see pictures below)



Gumbo-limbo

Small to medium-sized tree growing to 30 meters tall, with a diameter of one meter or less at 1.5 meters above ground. The bark is shiny dark red, and the leaves are spirally arranged and pinnate with leaflets.



Stopper

Can grow up to 20 ft in length, the plant may grow as a shrub or small tree. It blooms small white flowers and green berries. The leaves are of a dark green color and give off a subtle nutmeg scent. The leaves are generally three inches in length and have an elliptical shape.



Additional options to replace Gumbo-limbos:

Green buttonwood

A great tree for coastal planting. Its high salt and drought tolerance provide a great screen for privacy.
Considered a front-line tree, the Green Buttonwood is tolerant of extreme exposure to salt spray.
It can be used for hedging, as a shade tree, and a specimen plant.
It is known for its tenacity. Full sun, high alkaline soil, and salty air, are all ideal conditions, making it the perfect tree for south Florida and coastal areas.



Pigeon plum

Pigeonplum is a small to medium-sized tree growing to 10 m tall. The bark is light gray, smooth, and thin but may become scaly on the largest trees. The leaves are 3–13 cm long and 1–7 cm broad, smooth edged, wavy, oval to oblong, rounded or pointed on the ends, leathery, brighter green above and paler below; leaves on young plants and root sprouts are larger than those on mature plants.



Jamaican dogwood

This Florida tree is medium size with heights of 12 to 15 m and bole diameters of 46 to 118 cm. An irregular, open crown develops with stout, erect branches.

Its deciduous leaves (9 to 23 cm long) are alternate and pinnately compound. Five to 11 leaflets (each 4 to 8 cm long) are present in an opposite arrangement. Leaflets are dark green above and distinctly paler grayish green below with pubescence.



Wax myrtle

Is a small tree or large shrub, reaching up to 14m tall. It is adaptable to many habitats, growing naturally in wetlands, near rivers and streams, sand dunes, fields, hillsides, pine barrens, and in both coniferous and mixed-broadleaf forests. M. cerifera can weather coastal storms, long droughts, and tropical high temperatures.



Additional options to replace Spanish Stoppers:

Geiger Tree

Grows to a maximum height of 8–9 m (25–30 ft) at maturity, with a nearly equal spread. The crown is round to vase-shaped. Branches tend to be somewhat drooping, and the tree is naturally multitrunked. When only a single trunk is allowed to develop, it can attain a diameter of 30 cm (12 in)



Dahoon holly

It is a large shrub or small tree growing to 10–13 m tall. The leaves are evergreen, 6–15 cm long and 2–4 cm broad, glossy dark green, entire or with a few small spines near the apex of the leaf. The flowers are white, with a four-lobed corolla. The fruit is a red drupe, 5–6 mm in diameter.



ITEM NO. 11.D

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ralph Rosado, PhD, AICP, Village Manager

SPONSORED BY:

SUBJECT: A Resolution Authorizing the Issuance of a Work Order to SFM Landscape Services LLC of $51,350 to Plant Trees at Treasure Island Elementary School - Village Manager Ralph Rosado, PhD, AICP (Public Works Project Manager Carlos Llamas)

RECOMMENDATION

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF A WORK ORDER TO SFM LANDSCAPE SERVICES, LLC FOR PHASE II OF THE VILLAGE'S URBAN REFORESTATION TREE PLANTING PROJECT AT TREASURE ISLAND ELEMENTARY SCHOOL (TIES) IN AN AMOUNT NOT TO EXCEED $51,350; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended the Village Commission approve the Resolution authorizing the issuance of a work order to SFM Landscaping, LLC in the amount of $51,350 for landscaping improvements.

BACKGROUND AND ANALYSIS

To enhance the tree canopy within North Bay Village (NBV) and beautify public spaces, the Village has successfully planted 132 trees since 2019, thanks to the support of Miami-Dade County's Neat Streets Program. Furthermore, the Village has secured grant funding from Miami-Dade's Neat Streets Program to plant an additional 30 native, salt-tolerant trees (20 gumbo limbos, 10 Spanish stoppers) at Treasure Island Elementary School. This would bring our 5-year tree planting total to 162 trees village-wide.

The grant award for this project amounts to $21,354, and a proposal from SFM in the amount of $51,350 is being presented for the Commission consideration and approval. The proposed tree species and designated locations, as chosen by the Village's consulting Landscape Architect Aida Curtis, are depicted on the second page of the attachment titled "2024 Tree

Species Selection".

The item also includes acceptable alternates for both gumbo limbos and Spanish stoppers, should the Village Commission wish to swap out species. Curtis & Rogers reiterated their recommendation of the proposed species.

Approval of this item will help make North Bay Village more livable; as such, it promotes livability by centering on people – residents, business owners, and visitors – North Bay Village will become a more attractive place to work, live, and do business.

The NBV100 Livability pillar puts the focus on placemaking in four ways:

- Prioritizing people over cars
- Embracing the waterfront
- Improving the quality of life

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
Capital Project Fund - Parks - Project#CP24-06 Park Improvements (326.61.572.6200)

PERSONNEL IMPACT
NONE

ATTACHMENTS
Resolution SFM WO For Phase II Urban Reforestation Project TIES
Exhibit A - 2024 NBV SFM Tree Planting Proposal.pdf
2024 Tree Species Selection.pdf

RESOLUTION NO. 2024-_____

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF A WORK ORDER TO SFM LANDSCAPE SERVICES, LLC FOR PHASE II OF THE VILLAGE'S URBAN REFORESTATION TREE PLANTING PROJECT AT TREASURE ISLAND ELEMENTARY SCHOOL (TIES) IN AN AMOUNT NOT TO EXCEED $51,350; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, on November 23, 2020, the North Bay Village (the "Village") Commission selected SFM Landscape Services, LLC (the "Contractor") to provide landscape maintenance services (the "Services") pursuant to RFP No. 2020-04; and

WHEREAS, on February 9, 2021, the Village Commission adopted Resolution No. 2021-005, approving the terms of an agreement with the Contractor and authorized the Village Manager to execute an agreement with Contractor (the "Agreement"); and

WHEREAS, on February 2, 2024, Miami-Dade County (the "County") awarded a Neat Streets matching grant to the Village in the amount of $21,354 for Phase II of the Village's Urban Reforestation Project which generally consists of planting trees at Treasure Island Elementary School (TIES) (the "Project"); and

WHEREAS, the Contractor has provided a proposal attached hereto as Exhibit "A" (the "Proposal") to perform the Project; and

WHEREAS, the Village Commission desires to authorize the Village Manager to issue a work order consistent with the Proposal attached hereto as Exhibit "A" in an amount not to exceed $51,350 and the Agreement previously entered into between the Village and Contractor; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. Authorization. That the Village Commission hereby authorizes the Village Manager to issue a work order to the Contractor for the Project consistent with the Proposal attached hereto as Exhibit "A" and the Agreement previously executed in an amount not to exceed $51,350.

Section 3. Implementation. That the Village Manager and Village Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 4. Effective Date. That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by _____ who moved its adoption. The motion was seconded by _____ and upon being put to a vote, the vote was as follows:

Mayor Brent Latham	_____
Vice Mayor Richard Chervony	_____
Commissioner Goran Cuk	_____
Commissioner Andy Rotondaro	_____
Commissioner Rachel Streitfeld	_____

PASSED AND ADOPTED on this ___ day of _____, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Weiss Serota Helfman Cole & Bierman, PL
Village Attorney

SFM Landscape Services, LLC

Monday, March 04, 2024 **Re: Tree Planting**

Ralph Rosado
North Bay Village
1666 John F. Kennedy Causeway
North Bay Village, Florida

Dear Ralph,
Pursuant to your request, below please find our estimate to provide landscape services to be performed in **North Bay Village** as described for the following costs:

Treasure Island Elementary

Common Name	Gallon/Size	Quantity	Unit Price	Ext Price
Gumbo limbo	45 Gal.	20	$ 850.00	$ 17,000.00
Spanish Stopper	45 Gal.	10	$ 1,100.00	$ 11,000.00
Planting soil	Cu yd	10	$ 55.00	$ 550.00
Watering service for 30 days		30	$ 760.00	$ 22,800.00
				$ 51,350.00

Potential Alternates for Gumbo Limbo

Common Name	Gallon/Size	Quantity	Unit Price	Ext Price
Green buttonwood	45 Gal.	20	$ 850.00	$ 17,000.00
Wax Myrtle	45 Gal.	20	$ 875.00	$ 17,500.00
Jamaica dogwood	45 Gal.	20	$ 875.00	$ 17,500.00
Pigeon plum	45 Gal.	20	$ 800.00	$ 16,000.00

Potential Alternates for Spanish Stoppers

Common Name	Gallon/Size	Quantity	Unit Price	Ext Price
Geiger Tree	45 Gal.	10	$ 800.00	$ 8,000.00
Dahoon Holly	45 Gal.	10	$ 937.50	$ 9,375.00

Notes

- Sales tax will be added to invoice if applicable.

Respectfully Submitted,

Robert Montesino

Robert Montesino
General Manager
Landscape Division

2024 NBV TREE PLANTING

2023 Planted Species

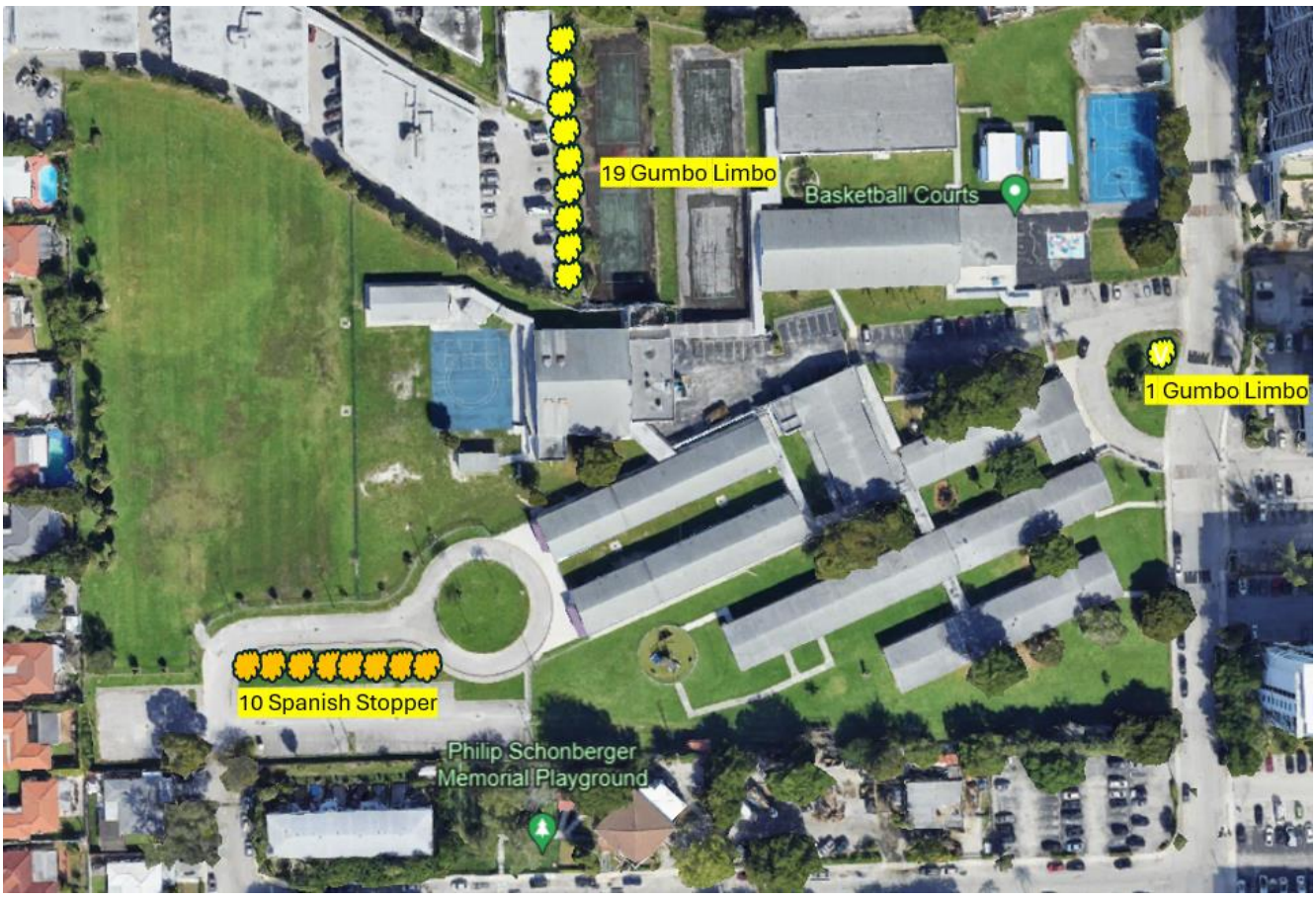
Tree Species	Number Planted	Date Installed
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Gumbo limbo	17	8/2/2023
Pigeon Plum	8	8/2/2023
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Jamaica Dogwood	7	8/2/2023
Tree Total	**68**	

2024 Species Proposal

19 Gumbo-limbos were selected to continue the landscape of the previously planted species (also Gumbo-limbo)

1 Gumbo Limbo to be planted at the school vehicle drop off entrance. Available options for swapping are Green Buttonwood, Pigeon Plum, Jamaican Dogwood, Wax Myrtle (see pictures below)

10 Stoppers to be planted in front of the parking lot spots to provide shade. Available options for swapping are Stopper (red, white, Simpson), Gieger tree, Bahama tab or Dahoon Holly (see pictures below)



Gumbo-limbo

Small to medium-sized tree growing to 30 meters tall, with a diameter of one meter or less at 1.5 meters above ground. The bark is shiny dark red, and the leaves are spirally arranged and pinnate with leaflets.



Stopper

Can grow up to 20 ft in length, the plant may grow as a shrub or small tree. It blooms small white flowers and green berries. The leaves are of a dark green color and give off a subtle nutmeg scent. The leaves are generally three inches in length and have an elliptical shape.



Additional options to replace Gumbo-limbos:

Green buttonwood

A great tree for coastal planting. Its high salt and drought tolerance provide a great screen for privacy.
Considered a front-line tree, the Green Buttonwood is tolerant of extreme exposure to salt spray.
It can be used for hedging, as a shade tree, and a specimen plant.
It is known for its tenacity. Full sun, high alkaline soil, and salty air, are all ideal conditions, making it the perfect tree for south Florida and coastal areas.



Pigeon plum

Pigeonplum is a small to medium-sized tree growing to 10 m tall. The bark is light gray, smooth, and thin but may become scaly on the largest trees. The leaves are 3–13 cm long and 1–7 cm broad, smooth edged, wavy, oval to oblong, rounded or pointed on the ends, leathery, brighter green above and paler below; leaves on young plants and root sprouts are larger than those on mature plants.



Jamaican dogwood

This Florida tree is medium size with heights of 12 to 15 m and bole diameters of 46 to 118 cm. An irregular, open crown develops with stout, erect branches.

Its deciduous leaves (9 to 23 cm long) are alternate and pinnately compound. Five to 11 leaflets (each 4 to 8 cm long) are present in an opposite arrangement. Leaflets are dark green above and distinctly paler grayish green below with pubescence.



Wax myrtle

Is a small tree or large shrub, reaching up to 14m tall. It is adaptable to many habitats, growing naturally in wetlands, near rivers and streams, sand dunes, fields, hillsides, pine barrens, and in both coniferous and mixed-broadleaf forests. M. cerifera can weather coastal storms, long droughts, and tropical high temperatures.



Additional options to replace Spanish Stoppers:

Geiger Tree

Grows to a maximum height of 8–9 m (25–30 ft) at maturity, with a nearly equal spread. The crown is round to vase-shaped. Branches tend to be somewhat drooping, and the tree is naturally multitrunked. When only a single trunk is allowed to develop, it can attain a diameter of 30 cm (12 in)



Dahoon holly

It is a large shrub or small tree growing to 10–13 m tall. The leaves are evergreen, 6–15 cm long and 2–4 cm broad, glossy dark green, entire or with a few small spines near the apex of the leaf. The flowers are white, with a four-lobed corolla. The fruit is a red drupe, 5–6 mm in diameter.



ITEM NO. 11.E

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Evelyn Herbello, Human Resources Manager

SPONSORED BY: Ralph Rosado, PhD, AICP, Village Manager

SUBJECT: A Resolution Approving a Budget Amendment for the Reclassification of Legislative Aide to Chief of Staff to the Village Commission and Salary Increase to the Chief of Staff to the Village Manager - Ralph Rosado, PhD, ACIP, Village Manager

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RECOMMENDATION

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024 TO PROVIDE FOR SALARY ADJUSTMENTS; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve the reclassification of the Legislative Aide to the Chief of Staff to the Village Commission.

BACKGROUND AND ANALYSIS

The proposed resolution is to approve a budget amendment which would provide for salary adjustments due to the reclassification of the Legislative Aide to Chief of Staff to the Village Commission.

Mr. Molina is currently the Legislative Aide to the Village Commission. It is proposed that Mr. Molina's title be modified to Chief of Staff to the Village Commission to address the increasing level of duties and responsibilities assigned to Mr. Molina. Some examples are coordinating all aspects of the Island Walk project, and the Urban Land Institute Project for Pirates Alley. This increasing level or responsibility exceeds the typical Legislative Aide position which is primarily a scheduler/assistant role for commissions elsewhere. Currently, Mr. Molina's salary is $57,750.15. It is proposed that his salary be increased to $75,000 effective March 13, 2024, with an additional $5,000 increase on his one-year anniversary date of June 28, 2024, and a 5% COLA on October 1, 2024.

From an administrative perspective, Mr. Molina reports to Leo Cosio, Chief of Staff to the

Village Manager. To reflect this chain of command, it is proposed that Mr. Cosio's salary be increased to $87,500.00 effective March 13, 2024. Both salaries are consistent with the salaries for comparable positions elsewhere.

The proposed resolution approving a budget amendment reflects the proposed salary adjustments for the Chief of Staff to the Village Commission and Chief of Staff to the Village Manager.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)

The new salary for Mr. Molina will be $75,000. The monies being transferred including benefits are $27,034.87. That amount will be coming from the Deputy Village Manager vacant position salary savings.

PERSONNEL IMPACT

None

ATTACHMENTS

Resolution Approving Budget Amendment - Salary Adjustments
Exhibit A Budget Amendment Form - Reclassification LA.pdf

RESOLUTION NO. 2024- _____

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024 TO PROVIDE FOR SALARY ADJUSTMENTS; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, on September 28, 2023, the North Bay Village (the "Village") Commission adopted Resolution No. 2023-109 approving the budget for fiscal year 2023-2024 (the "Budget"); and

WHEREAS, pursuant to Section 166.241, Florida Statutes, the Village Commission may amend a budget at any time within a fiscal year; and

WHEREAS, pursuant to Section 35.21 of the Village Code of Ordinances and Florida Law, the Village Commission desires to amend the Budget consistent with the staff memorandum accompanying this resolution by authorizing the line item transfers as further provided in Exhibit "A" attached hereto and incorporated herein; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. Amending Budget. That the Village Commission hereby approves an amendment to the budget by authorizing the line item transfers as further provided in Exhibit "A" attached hereto and incorporated herein.

Section 3. Implementation. That the Village Manager, Village Clerk, and Village Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 4. Effective Date. That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by _____ who moved its adoption. The motion was seconded by _____ and upon being put to a vote, the vote was as follows:

Mayor Brent Latham _____
Vice Mayor Richard Chervony _____
Commissioner Goran Cuk _____
Commissioner Andy Rotondaro _____
Commissioner Rachel Streitfeld _____

PASSED AND ADOPTED on this _____ day of _____, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Weiss Serota Helfman Cole & Bierman, PL
Village Attorney

Budget Amendment Form

Department:	Commission/Village Manager	Date:	3/12/2024
Fund(s) to be changed: General Fund			

GL Account	GL Line Item	Transfer to:	Transfer from:
001.11.511.1200	Regular Salaries	$ 22,250.00	
001.11.511.2100	FICA	$ 1,702.13	
001.11.511.2200	Retirement Contributions	$ 3,019.33	
001.11.511.2400	Workers Compensation	$ 63.41	
001.12.512.1200	Regular Salaries		$ 22,250.00
001.12.512.2100	FICA		$ 1,702.13
001.12.512.2200	Retirement Contributions		$ 3,019.33
001.12.512.2400	Workers Compensation		$ 63.41
TOTAL (Columns must be equal)		**$ 27,034.87**	**$ 27,034.87**

Description:

Transfer DVM Salary savings to Commission Departmental Budget for Legislative Aide Reclassification and Pay Increase.

FY 2024 Budget **LEGISLATIVE AIDE**

Account		Account Description	Current Budget	Current Salary	Proposed Increase	Initial Increase	Additional Increase 6/2024	Grand Total	TOTAL BUDGET AFTER AMENDMENT*
001.11.511.1200		Regular Salary	$ 55,578.00	$ 57,750.00	$ 75,000.00	$ 17,250.00	$ 5,000.00	$ 22,250.00	$ 77,828.00
		COLA	$ 2,750.00						$ 2,750.00
001.11.511.2100	0.0765	FICA	$ 4,477.00			$ 1,319.63	$ 382.50	$ 1,702.13	$ 6,179.13
001.11.511.2200	0.1357	RETIREMENT CONTRIBUTIONS	$ 8,775.00			$ 2,340.83	$ 678.50	$ 3,019.33	$ 11,794.33
001.11.511.2400	0.00285	WORKERS COMP	$ 166.00			$ 49.16	$ 14.25	$ 63.41	$ 229.41
			$ 71,746.00			$ 20,959.61	$ 6,075.25	$ 27,034.86	$ 98,780.86

This does not include Health Insurance

ITEM NO. 11.F

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ralph Rosado, PhD, AICP, Village Manager

SPONSORED BY: Commissioner Andy Rotondaro

SUBJECT: **A Resolution Authorizing the Village to Submit a Grant Application to the Florida Inland Navigation District (FIND) for the Design and Permitting of Island Walk Segments and Seawalls on Treasure Island - *Sponsored by Commissioner Andy Rotondaro***

RECOMMENDATION

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE VILLAGE MANAGER TO SUBMIT A GRANT APPLICATION TO THE FLORIDA INLAND NAVIGATION DISTRICT WATERWAYS ASSISTANCE PROGRAM FOR THE DESIGN AND PERMITTING FOR ISLAND WALK SEGMENTS AND SEAWALLS ON TREASURE ISLAND; PROVIDING FOR IMPLEMENTATION; PROVIDING FOR CERTIFICATIONS; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve a resolution authorizing the Village to submit a grant application to the Florida Inland Navigation District (FIND).

BACKGROUND AND ANALYSIS

The Florida Inland Navigation District recently released a grant application for the 2024 Waterways Assistance Program. This program supports local governments in the development of projects that enhance or expand public access to waterways.

North Bay Village desires to request $450,000 as a grant to support the design and permitting

of the Seawall and Island Walk at 1819/1855 Kennedy Causeway (Best Western/Shuckers). The Village will utilize a portion $3-million-dollar Florida Resilient grant approved in 2023 exclusively for parcels located on the northern perimeter of Treasure Island as the match.

In selecting this particular project/parcel for this year's FIND application, several factors were considered:
1. The property owner would need to be able to cover full design/permitting costs up front, depositing them with the Village, as the Village would not be able to defray said costs.
2. The property owner would need to be able to convey an easement to the Village for the Island Walk area by October 1, 2024.

The above two requirements eliminate the vast majority of properties for consideration to serve as a beneficiary of a FIND grant secured by the Village. In addition, there have been multiple changes in ownership of most of the parcels on Treasure Island in the last few years, and others appear to be under contract. Some other parcels (including those owned by Sunbeam and Continuum) will be designing and reconstructing their seawalls and Island Walks at their expense.

Approval of this item will help make North Bay Village safer and more livable; as such, it promotes the NBV100 pillar of Livability.

North Bay Village will become a more attractive place to work, live, and do business by centering on people- residents, business owners, and visitors. The NBV100 Livability pillar puts the focus on placemaking in four ways: Prioritizing people over cars, Embracing the waterfront, Improving the quality of life, and Refreshing the NBV identity.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
Requires $1: $1 Match

PERSONNEL IMPACT
None

ATTACHMENTS
Resolution FIND Grant - Design and Permitting - 1819-1855 KC .docx

RESOLUTION NO. 2024- _____

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE VILLAGE MANAGER TO SUBMIT A GRANT APPLICATION TO THE FLORIDA INLAND NAVIGATION DISTRICT (FIND) WATERWAYS ASSISTANCE PROGRAM FOR DESIGN AND PERMITTING OF THE ISLAND WALK AND SEAWALL AT 1819/1855 KENNEDY CAUSEWAY, NORTH BAY VILLAGE, FL 33141; PROVIDING FOR IMPLEMENTATION; PROVIDING CERTIFICATIONS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, North Bay Village (the "Village") desires to increase recreation and open space availability by providing public access to Biscayne Bay Intercoastal Waterway; and

WHEREAS, the purpose of the Florida Inland Navigation District (FIND) Waterways Assistance Program is to assist local governments within the District to perform waterways improvement projects; and

WHEREAS, the Village desires to apply for funding through the FIND Waterways Assistance Program for $450,000 to support the design and permitting of the Island Walk and seawalls at 1819/1855 Kennedy Causeway, North Bay Village, FL 33141 (the "Project"); and

WHEREAS, the Project consists of design and permitting for segments of the Island Walk and seawalls that support it; and

WHEREAS, the Village has the ability and intention to finance its share of the cost of the Project (minimum 50% of project cost), and the Project will be operated and maintained at the expense of the Village; and

WHEREAS, the Village accepts the terms and conditions set forth in FIND Rule 66B-2 F.A.C., which will be a part of the Project Agreement for any assistance awarded under the Village's proposal; and

WHEREAS, the Village will carry out the Project in the manner described in the proposal and any plans and specifications attached thereto unless prior approval for any change has been received from the District; and

WHEREAS, the Village will maintain adequate financial records on the proposed Project to substantiate claims for reimbursement; and

WHEREAS, the Village will make available to FIND if requested, a post-audit of expenses incurred on the Project prior to, or in conjunction with, request for the final 10% of the funding agreed to by FIND; and

WHEREAS, the Village Commission desires to authorize the Village Manager to submit a FIND Waterway Assistance Program application and execute any and all subsequent agreements or documents with the Florida Inland Navigation District to accept funding of the Project; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. Authorization. That the Village Commission hereby supports and authorizes the Village Manager to submit an application for $100,000 to the 2023 FIND Waterway Assistance Program for the Project.

Section 3. Implementation. That the Village Manager is authorized to execute any subsequent agreements or documents with the Florida Inland Navigation District to accept funding for the Project, subject to the Village Attorney's approval as to form, content and legal sufficiency, and to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 4. Effective Date. That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by _____ who moved its adoption. The motion was seconded by _____ and upon being put to a vote, the vote was as follows:

Mayor Brent Latham	_____
Vice Mayor Richard Chervony	_____
Commissioner Goran Cuk	_____
Commissioner Andy Rotondaro	_____
Commissioner Rachel Streitfeld	_____

PASSED AND ADOPTED on this _____ day of _____, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

Weiss Serota Helfman Cole & Bierman, PL
Village Attorney

ITEM NO. 13.A

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Silvia Vargas, Village Planner

SPONSORED BY:

SUBJECT: **An Ordinance Adopting an Amendment to the Village's Water Supply Facilities Work Plan - *Village Manager Ralph Rosado, Ph.D., AICP (Consulting Planner Alex David, AICP through Village Planner Silvia E. Vargas, FAICP)***

RECOMMENDATION

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ADOPTING AN AMENDMENT TO THE WATER SUPPLY FACILITIES WORK PLAN; PROVIDING FOR TRANSMITTAL; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

Suggested Action: To adopt to the proposed "10-Year Water Supply Facilities Work Plan Update 2022," as presented by Staff and as recommended by the Planning and Zoning Board.

BACKGROUND AND ANALYSIS

Changes to the Village's 10-Year Water Supply Facilities Work Plan (WSFWP) Update and associated amendments to the Comprehensive Plan were last adopted May 10, 2016. Florida Statutes (F.S.) require a review every five years.

Context

The Village is subject to the jurisdiction of the South Florida Water Management District (SFWMD) in regard to State requirements for local water supply planning. The SFWMD has concluded that traditional water supply sources will not be sufficient to meet the water needs of the growing South Florida population. As a result, the Florida Legislature enacted seven (7) bills in Sessions between 2002 and 2016 in order to address the State's water supply needs, as potential limitations on the continued use of traditional water supplies became increasingly apparent.

Chapter 163, F.S., requires all local municipalities to update their WSFWP and adopt that plan into the comprehensive plan within 18 months of the SFWMD's approval of the Lower East Coast Water Supply Plan. The work plan and related comprehensive plan amendments must address the development of traditional and alternative water supplies and conservation and reuse programs that are necessary to serve existing and new development for at least a 10-year planning period.

The Lower East Coast Water Supply Plan was approved on November 8, 2018. Therefore, the deadline for local governments within the Lower East Coast jurisdiction to amend their comprehensive plans to adopt a Work Plan Update was May 2020. However, this deadline could not be achieved because Miami-Dade County did not adopt their water supply plan until January 19, 2023.

A copy of the draft Work Plan Update and related comprehensive plan amendments, along with the draft ordinance are included as Attachments 1 and 2. The previous Level of Service (LOS) established by the Village based on Miami-Dade County data was 148.11 gallons per capita per day. With conservation and leak detection efforts the per capita per day demand has now been lowered to 145.41 gallons. Therefore, the recommended LOS is 145.41 gallons per capita per day.

On December 6, 2023, the Planning and Zoning Board voted to recommend to the Commission the adoption of the ordinance. On January 16, 2023, the Village Commission voted to approve the proposed ordinance on 1st reading.

Update
In accordance with the established statutory process, the proposed amendments were then transmitted to the Florida Commerce Department and other review agencies in a timely manner. The review, conducted under the state's expedited review process, concluded February 17, 2024. North Bay Village only received a minor comment from the South Florida Water Management District, recommending rewording a sentence in the document. This change has been completed and is highlighted in yellow in the text, for the convenience of the Commissioners. All letters received are included as an attachment to this memorandum.

Following adoption, Staff will transmit the adopted version of the ordinance to the state agencies for final review.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
n/a

PERSONNEL IMPACT
n/a

ATTACHMENTS
Attachment 1 - NBV 2022 WSP (Adoption).pdf
Attachment 2 Ordinance WSP Amend.pdf
NBV WSP 1st Reading Transmittal Package 011924.pdf
NORTH BAY VILLAGE 24-01ESR Agency Letters.pdf

Notice of Public Hearing- MH.pdf

NORTH BAY VILLAGE, FLORIDA

10-YEAR WATER SUPPLY FACILITIES WORK PLAN UPDATE ~~2015~~ 2022



FIRST READING: January 16, 2024
ADOPTED:

Prepared by:

Calvin, Giordano & Associates, Inc.
A SAFEbuilt COMPANY

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FIGURES/MAPS

APPENDIX A: MDWASD 10-Year Water Supply Facilities Work Plan (April 2022)

Words highlighted in yellow will be proposed changes recommended by review agencies between First and Second Readings.

1.0 INTRODUCTION

The purpose of North Bay Village's Water Supply Facilities 10-Year Water Supply Facilities Work Plan Update (Work Plan Update) is to identify and plan for the water supply sources and facilities needed to serve existing and new development within the local government's jurisdiction. Chapter 163, Part II, F.S., requires local governments to prepare and adopt Work Plans into their comprehensive plans within 18 months after the water management district approves a regional water supply plan or its update. The *Lower East Coast Water Supply Plan ~~2nd~~ 3rd Update* was approved by the South Florida Water Management District (SFWMD) Governing Board ~~in 2013~~ on November 8, 2018, while Miami-Dade County's 10-Year Water Supply Facilities Work Plan Update was adopted April 2022 and corresponding CDMP Text Amendments adopted on January 19, 2023.

Residents of North Bay Village obtain their water directly from the Miami-Dade County Water and Sewer Department (MDWASD) through a wholesale agreement, which is responsible for ensuring that enough capacity is available for existing and future customers.

The North Bay Village Work Plan Update will reference the initiatives already identified in the most current Miami-Dade County ~~2~~10-Year Work Plan since the Village is a wholesale buyer. According to state guidelines, the Work Plan Update and the Comprehensive Plan amendment must address the development of traditional and alternative water supplies, bulk sales agreements, and conservation and reuse programs that are necessary to serve existing and new development for at least a 10-year planning period. The North Bay Village Work Plan Update will have the same planning ~~time schedule~~ horizon as Miami-Dade County's ~~2~~10-Year Work Plan and will be adopted by reference in the infrastructure sub-element of the Comprehensive Plan.

North Bay Village has recognized the importance of water conservation through the Village's Comprehensive Plan. The Village acknowledges that to maintain a proactive water conservation program there has to be an effective coordination program with Miami-Dade County Water and Sewer Department (MDWASD) to ensure the success of the program. In addition, the Village maintains an excellent working relationship with WASD as a wholesale customer to ensure compliance with all applicable regulations and guidelines.

The Village's Work Plan Update is divided into ~~five~~ seven sections:

Section 1 – Introduction
Section 2 – Background Information
Section 3 – Data and Analysis
Section 4 – Intergovernmental Coordination
Section 4 5 – Capital Improvements
Section 6 – Climate Change and Sea Level Rise
Section ~~5~~ 7 – Comprehensive Plan; Goals, Objectives and Policies

1.1 Statutory History

The Florida Legislature enacted bills in the 2002, 2004, ~~and~~ 2005, 2011, 2012, 2015 and 2016 sessions to address the state's water supply needs. These bills, especially Senate Bills 360 and 444 (2005 legislative session), significantly changed Chapters 163 and 373 Florida Statutes (F.S.) by strengthening the statutory links between the regional water supply plans

prepared by the water management districts and the comprehensive plans prepared by local governments. In addition, these bills established the basis for improving coordination between the local land use planning and water supply planning. ~~Additional legislation in 2011, under the Community Planning Act, lessened some specific and detailed requirements for water supply plans.~~

In 2005, lawmakers revised state water law, Section 373.707, F.S., and created the Water Resource Protection and Sustainability Program, which requires a higher level of water supply planning coordination between water management districts and local governments.

Effective July 1, 2010, the Florida legislature passed an amendment to Section 373.707, F.S., which concerns water management district funding of alternative water supply projects. The legislation added "water conservation projects that result in quantifiable water savings" to those projects eligible for funding,

In 2011, the Florida Legislature updated Chapter 163, Part II, F.S., to include The *Community Planning Act* (163.3164, F.S.), which addresses the state's water supply needs. The Act requires each municipality and county to adopt and maintain a comprehensive plan. In Florida, all proposed and approved development in the community must be consistent with the comprehensive plan. In terms of water supply planning, information about state requirements for local government comprehensive plans is available in each regional water supply plan update,

As of June 2012, 90 percent of all local governments within the SFWMD developed and formally submitted their Water Supply Facilities Work Plans. The development of these plans has assisted the SFWMD in coordinating future water supply planning and permitting with local government land use planning.

<u>The 2012, 2015 and 2016 Statutory changes clarified certain language which does not materially impact the Village.</u>

However, ~~that and subsequent~~ <u>these</u> legislati~~on~~<u>ve amendments</u> has<u>ve</u> not negated the requirement for local governments to provide an appropriate Water Supply Facilities Work Plan Update in a timely manner.

1.2 Statutory Requirements

Each local government must comply with the following requirements:

1. Coordinate appropriate aspects of its comprehensive plan with the appropriate water management district's regional water supply plan, [163.3177(4)(a), F.S.]

2. Ensure that its future land use plan is based upon availability of adequate water supplies and public facilities and services [s.163.3177(6)(a), F.S. <u>Data and analysis demonstrating that adequate water supplies and associated public facilities will be available to meet projected growth demands must accompany all proposed Future Land Use Map amendments submitted for review.</u>

3. Ensure that adequate water supplies and facilities are available to serve new development no later than the date on which the local government anticipates issuing

a certificate of occupancy or its functional equivalent and consult with the applicable water supplier prior to approving building permit, to determine whether adequate water supplies will be available to serve the development by the anticipated issuance date of the certificate of occupancy [s.163.3180 (2), F.S.,

4. For local governments subject to a regional water supply plan, revise the general Sanitary Sewer, Solid Waste, Drainage, Potable Water, and Natural Groundwater Aquifer Recharge Element (the "Infrastructure Element"), within 18 months after the water management district approves an updated regional water supply plan, to:
    a. Identify and incorporate the alternative water supply project(s) selected by the local government from projects identified in the updated regional water supply plan, or the alternative project proposed by the local government under s. 373.0361(7), F.S. [s. 163.3177(6)(c)(3), F.S.];
    b. Identify the traditional and alternative water supply projects, bulk sales agreements, and the conservation and reuse programs necessary to meet current and future water use demands within the local government's jurisdiction [s. 163.3177(6)(c)(3), F.S.]; and
    c. Include a water supply facilities work plan for at least a 10-year planning period for constructing the public, private, and regional water supply facilities identified in the element as necessary to serve existing and new development. [s. 163.3177(6)(c), F.S.];

5. Revise the Five-Year Schedule of Capital Improvements to include any water supply, reuse, and conservation projects and programs to be implemented during the five-year period.

6. To the extent necessary to maintain internal consistency after making changes described in Paragraph 1 through 5 above, revise the Conservation Element to assess projected water needs and sources for at least a 10-year planning period, considering the appropriate regional water supply plan, the applicable District Water Management Plan, as well as applicable consumptive use permit(s). [s.163.3177 (6)(d), F.S.] If the established planning period of a comprehensive plan is greater than ten years, the plan must address the water supply sources necessary to meet and achieve the existing and projected water use demand for established planning period, considering the appropriate regional water supply plan. [s.163.3167 (13), F.S.];

7. To the extent necessary to maintain internal consistency after making changes described in Paragraphs 1 through 5 above, revise the Intergovernmental Coordination Element to ensure coordination of the comprehensive plan with applicable regional water supply plans and regional water supply authorities' plans. [s.163.3177(6)(h)1., F.S.]

8. While an Evaluation and Appraisal Report is not required, local governments are encouraged to comprehensively evaluate, and as necessary, update comprehensive plans to reflect changes in local conditions. The evaluation could address the extent to which the local government has implemented the need to update their Work Plan, including the development of alternative water supplies, and determine whether the identified alternative water supply projects, traditional water supply projects, and

conservation and reuse programs are meeting local water use demands [s.163.3181(3), F.S.].

9. A local government that does not own, operate, or maintain its own water supply facilities, including, but not limited to, wells, treatment facilities, and distribution infrastructure, and is served by a public water utility with a permitted allocation of greater than 300 million gallons per day is not required to amend its comprehensive plan in response to an updated regional water supply plan or to maintain a work plan if any such local government's usage of water constitutes less than 1 percent of the public water utility's total permitted allocation. However, any such local government is required to cooperate with, and provide relevant data to, any local government or utility provider that provides and natural groundwater aquifer recharge element updated in accordance with s. 163.3191. Any local government may verify its qualifications for the exemption with the Florida Department of Economic Opportunity (DEO) [s. 163.3177(6)(c)4., F.S.].

2.0 BACKGROUND INFORMATION

2.1 Overview

North Bay Village was incorporated in 1945 followed by the annexation of Harbor and Treasure Island a few years later and the annexation of Broadcast Key in 1963. The three-island community (North Bay Island, Harbor Island and Treasure Island) is situated in northeast Miami-Dade County between the cities of Miami and Miami Beach in Biscayne Bay. The islands are linked by the John F. Kennedy Causeway (79th Street), which extends across the ~~Biscayne~~ Bay from Miami to Miami Beach. ~~The north edge of the municipality is the Biscayne Bay. The southern boundary is Bay Terrace (North Bay Island) and South Treasure Drive (Treasure Island). The western boundary is Miami View Drive (North Bay Island) and West Drive (Harbor Island) while the eastern boundary is East Treasure Drive (Treasure Island).~~

The total incorporated area of North Bay Village is approximately 512 acres of which 238 acres are land and the remaining is ~~riparian~~ water. Of the 238 land acres, North Bay Island is 40.6 acres, Harbor Island is 44.8 acres and Treasure Island is 152.8 acres.

North Bay Village is substantially built-out; however, redevelopment has become a factor with ~~several~~ multi-family development approvals occurring over ~~the last two years~~ that ~~may~~ will affect population and land use. See Table 2-1 for the existing land use distributions.

The population data utilized for North Bay Village for this Update is based on the ~~most current and accurate data available from the U.S. Census Bureau and the Shimberg Center for Affordable Housing at the University of Florida. Table 2-2 reflects US Census population estimates starting in 2010~~ population projections data found in the Miami-Dade County 10-Year Water Supply Facilities Work Plan Update (Exhibit C-3) (See Table 2-2 below).

Table 2-1 Existing Land Use in North Bay Village

Land Use	Acres	Percent
Single Family Residential	70.7	29.8
Multi-Family Residential	65.3	27.7
Commercial	27.1	11.4
Educational	12.9	5.4

Public Buildings and Grounds	1.7	0.7
Institutional	3.7	1.6
Vacant	8.2	3.2
Recreation and Open Space	0.6	0.2
Rights-of-Way	48.0	20.2
Source: North Bay Village 2015 Comprehensive Plan.		

~~Table 2-2 North Bay Village US Census Population Count and Estimates~~						
	~~Census~~	~~Population Estimates (as of July 1)~~				
~~Year~~	~~April 1, 2010~~	~~2010~~	~~2011~~	~~2012~~	~~2013~~	~~2014~~
~~Population~~	~~7,137~~	~~7,167~~	~~7,349~~	~~7,417~~	~~7,464~~	~~7,871~~
~~Source: US Census Bureau, September 2015~~						

~~Table 2-3 North Bay Village Population Projections~~						
~~Year~~	~~2015~~	~~2020~~	~~2025~~	~~2030~~	~~2035~~	~~2040~~
~~Population~~	~~7861~~	~~8430~~	~~8965~~	~~9423~~	~~9827~~	~~10221~~
~~Source: Shimberg Center for Affordable Housing, 2015~~						

Table 2-2 North Bay Village Population Projections					
Year	2020	2025	2030	2035	2040
Population	8,079	8,669	9,258	9,848	10,437
Source: MDWASD 10-Year Water Supply Facilities Work Plan Update					

2.2 Relevant Public Water Supply Issues

The Lower East Coast, LEC, Planning Area traditionally has relied on fresh groundwater from the Surficial Aquifer System, SAS, and fresh surface water *from Lake Okeechobee* as the primary water source for urban, agricultural, and industrial uses. In many areas of the LEC Planning Area, development of these sources has been maximized due to potential impacts on the regional system, wetlands, existing water users, and the potential for saltwater intrusion. *As population and water demand increased, the development of other water source options also increased*. Therefore, new or increased allocations from these freshwater sources will be reviewed on an application-by-application basis to determine if a project meets the consumptive use permitting criteria. As a result, diversification of water supply sources, such as use of the upper Floridan aquifer, increased storage, reclaimed water, and appropriate water conservation has been occurring in the LEC Planning Area and is expected to continue to occur in the future. The source options are dependent on location, use type, demand, regulatory requirements, and cost.

Additionally, Southeast Florida is one of the most vulnerable regions to the impacts of climate change and sea level rise as a result of our flat topography, porous limestone geology, and dense coastal development. Climate change and sea level rise are expected to present

significant challenges relating to water resource planning, management and infrastructure for the counties located in south Florida, including Broward, Miami-Dade, Monroe, and Palm Beach Counties. The primary concern to water supply is saltwater intrusion into the freshwater Biscayne aquifer, the primary source of drinking water in Miami-Dade County. Local governments and water utilities in the southeast Florida region have formalized the integration of water supply and climate change considerations as part of coordinated planning efforts, including updates to local government and water utility 10-year Water Supply Facility Work Plans and enhancements to local government's Comprehensive Plans. Key considerations for communities within the four County Compact planning area include: 1) sea level rise, 2) saltwater intrusion, 3) extreme weather, and 4) infrastructure investments to support diversification and sustainability of water supply sources, and adaptive storm water and wastewater systems. Results of evaluation and data analysis completed to date indicate that within the next thirty years MDWASD will be able to operate well fields and water treatment facilities as designed, as groundwater modeling indicates even with a high level of projected sea level rise, these well fields will not be impacted by saltwater intrusion. Further modeling is currently underway to extend the planning scenarios fifty years out and will include climate changes such as increases and decreases in annual precipitation, and extreme weather events.

Regional issues that affect the Village include minimizing pressure on the Everglades and Biscayne Bay ecosystems and Biscayne and Floridan Aquifers. To that end, the Comprehensive Everglades Restoration Plan (CERP) is providing the foundation for one of the largest ecosystem restoration projects in the world. The SFWMD and the US Army Corps of Engineers have partnered to restore, protect and preserve the water resources of central and southern Florida, including the Everglades. Various projects under CERP help ensure the proper quantity, quality, timing, and distribution of waters to the Everglades and all South Florida. The goal of CERP is to capture fresh water that now flows unused to the Atlantic Ocean and the Gulf of Mexico redirect it to areas that need it most.

The SFWMD’s priorities have focused on creating Water reservation rules to facilitate construction of CERP project components. The Village is in support of CERP and other restoration projects listed in the 2018 Lower East Coast (LEC) Water Supply Plan Update that further the Northern/Southern Everglades 20-year commitment to Everglades restoration, including the C-111 South Dade, C-111 Spreader, Biscayne Bay Coastal Wetland BBCW L-31 East Flow-way, BBCW Deering Estate and BBCW Cutler Wetlands projects.

As the state agency responsible for water supply in the Lower East Coast (LEC) planning area, the SFWMD plays a pivotal role in resource protection, through critical evaluation during the consumptive use permitting process. In response to increased pressure on the Everglades ecosystem resource, the Governing Board initiated rulemaking to limit increased allocations dependent on the Everglades system. As a result, the Regional Water Availability Rule was adopted by the Governing Board on February 15, 2007 as part of the SFWMD's water use permit program. This new rule making system reduced reliance on the regional system for future water supply needs, mandating the development of alternative water supplies, and increasing conservation and reuse.

~~The 2013 Lower East Coast Water Supply Plan Update (LEC Plan) represents a departure~~

~~from the demand projections in the 2000 LEC Plan and the 2005–2006 LEC Plan Update. Subsequent to approval of the 2005– 2006 LEC Plan Update in February 2007, the nation's economy fell into a long recession that had significant impacts on regional water supply planning, lowering population and demand forecasts. The dramatic slowdown in population growth occurred at the same time that consumption of potable water declined as measured in gallons per person per day. Likely reasons for this decrease in public water supply (PWS) consumption include short-term water shortage restrictions in response to droughts, long-term water conservation projects including SFWMD's year-round landscape irrigation conservation measures, and increased use of reclaimed water. Local actions, such as implementation by Broward and Miami-Dade counties of ordinances limiting landscape irrigation to two days per week, the Broward County Water Conservation Partnership, and individual utility conservation programs, have been key in lowering the water use rate. An indication of the resulting trend is the LEC Planning Area's population grew by 600,000 people between 2000 and 2010, but total potable water use declined by 87 million gallons per day (MGD) (10 percent) during the same decade.~~

~~The 2013 LEC Plan's twenty-year population and PWS demand forecasts are lower than the two previous plans' projections. Projections developed indicate the planning area's population will increase over 18 percent, from approximately 5.6 million residents in 2010 to slightly more than 6.6 million by 2030. In contrast, the 2005–2006 LEC Plan Update projected the planning area's population to increase over 31 percent, to 7.3 million by 2025. The projected population growth varies widely between the counties: Palm Beach County (+25 percent), Broward County (+14 percent), Miami-Dade County (+18 percent), and Monroe County (-5 percent).~~

Even with an ever-increasing population, withdrawals from the Aquifers will be limited, greater conservation will be required to reduce per capita use; and reclaimed water must continue to be an important alternative water source per the 2008 Leah G. Schad Ocean Outfall Program. The Village does not have any domestic wastewater facilities which discharge to the ocean but supports Miami-Dade County efforts in reducing wastewater outflows and providing for reuse.

The 2018 Lower East Coast Water Supply Plan Update notes that a number of utilities have diversified their water supplies, including treatment and storage technologies, and water conservation programs. These alternatives include constructing brackish Floridan aquifer wells and reverse osmosis treatment plants, reclaimed water treatment and distribution facilities, and aquifer storage and recovery systems.

From FY2013 to FY2018, the SFWMD provided more than $3 million in alternative water supply funding for 11 projects in the LEC Planning Area. Funded projects created 9.25 million gallons per day (mgd) of new reclaimed water capacity and 4.19 mgd of additional reclaimed water distribution or storage in the LEC Planning Area.

The 2018 Lower East Coast Water Supply Plan Update water supply major issues are as follows: 1. Fresh surface water and groundwater are limited; further withdrawals could have impacts on the regional system, wetlands, existing legal uses, and saltwater intrusion. As a result, additional alternative water supplies need to be developed. 2. Surface water allocations from Lake Okeechobee and the Water Conservation Areas are limited in

accordance with the Lake Okeechobee Service Area RAA criteria. 3. Construction of additional storage systems (e.g., reservoirs, aquifer storage and recovery systems) to capture wet season flow volumes will be necessary to increase water availability during dry conditions and attenuate damaging peak flow events from Lake Okeechobee. 4. Expanded use of reclaimed water is necessary to meet future water supply demands and the Ocean Outfall Law. 5. Expanded use of brackish groundwater from the Floridan aquifer system requires careful planning and wellfield management to prevent undesirable changes in water quality. The Village also supports these efforts to protect the integrity and functions of groundwater aquifer recharge areas.

As further outlined in Section 3.6 of this Plan the Village will support and assist in disseminating information on water conservation related programs and incentives from Miami-Dade County and SFWMD.

As a result of these regional water supply issues, the Village has updated its "Water Supply Facilities Work Plan" as required by Florida Statutes. Because the Village is a wholesale customer, the adopted policies within the Village's Comprehensive Plan currently require the Village to be consistent with the SFWMD's LECWSP and the County's 10-Year Water Supply Facilities Work Plan. The *Lower East Coast Water Supply Plan 3rd Update* was approved by the South Florida Water Management District (SFWMD) Governing Board on November 8, 2018, while Miami-Dade County's 10-Year Water Supply Facilities Work Plan Update was adopted April 2022 and corresponding CDMP Text Amendments adopted on January 19, 2023. The Village shall coordinate with the County's Work Plan to identify and develop those water supply projects necessary to meet the Village's projected water demands.

Additional Comprehensive Plan policies require the Village to consider the impacts of climate change and sea level rise as an integral component of all planning processes. Rise in sea level shall be taken into consideration in all future decisions regarding the design, location, and development of infrastructure and public facilities in the Village to meet or exceed adopted Level of Service (LOS) Standards. The Village shall work with Miami-Dade County to support the implementation of climate related policies.

3.0 DATA AND ANALYSIS

The intent of the data and analysis section of the work Plan is to describe the information that local governments need to provide to state planning and regulatory agencies as part of their proposed comprehensive plan amendments, particularly those that would change the Future Land Use Map (FLUM) to increase density and/or intensity.

3.1 Population~~/Water Demand~~ Information

The population data utilized for North Bay Village for this Update is based on the population projections data found in the Miami-Dade County 10-Year Water Supply Facilities Work Plan Update (Exhibit C-3) (See Table 3-1 below).

~~MDWASD is the water supplier for North Bay Village; therefore, population information for their entire service area is provided in Table 3.1.~~

~~Table 3-1 Population and Finished Water Demand~~

~~TABLE STRICKENTHROUGH~~

	Existing	Projected	
	2010	2020	2030
Population	2,141,885	2,337,660	2,533,436
Per Capita (gallons per day finished water)	141	141	141
Potable Water Demands (daily average annual finished water in MGD)	302.01	329.61	357.21
SFWMD WATER USE PERMITTED (13-00017-W) ALLOCATION (MGD)			
	Existing	Projected	
Potable Water Source	2010	2020	2030
Fresh Water	388.56	349.50 [a]	386.50 [a]
Brackish Water	19.95	46.66	46.66
Total Allocation	408.51	396.16	410.70
POTABLE WATER TREATMENT CAPACITY			
	Cumulative Facility & Project Capacity (MGD)		
	Existing	Projected	
FDEP Permitted Capacity	2012	2020	2030
Fresh Water	453.93	447.18	447.18
Brackish Water	0.00	10.00 [b]	10.00 [b]
Planned Project Capacity	0.00	20.00	27.50
Total Capacity	453.93	477.18	484.68
NONPOTABLE WATER TREATMENT CAPACITY			
Reclaimed Water	16.49	16.49	149.49

a. In 2012, MDWASD's allocation was modified to 349.50 MGD, pending completion of aquifer recharge projects. These reuse offsets are listed as totaling 37 MGD by 2027, supporting an allocation of 386.50 MGD in 2030. If projects are not built, allocation remains at 349.50 MGD.

b. Project will be online by 2013.

~~The MDWASD depicts population estimates for the purpose of planning water supply for their specific sub- service areas in their 2014 Water Supply Plan (see Table 3-2).~~

Table 3-1 North Bay Village Population Projections					
Year	2020	2025	2030	2035	2040
Population	8,079	8,669	9,258	9,848	10,437
Source: MDWASD 10-Year Water Supply Facilities Work Plan Update					

~~Table 3-2 Municipal Population Projections: North Bay Village~~	
~~Year~~	~~Population~~
~~2014~~	~~7347~~
~~2015~~	~~7404~~
~~2020~~	~~7689~~
~~2025~~	~~7974~~
~~2030~~	~~8258~~
~~2033~~	~~8429~~
~~2035~~	~~8543~~
~~Source: 2014 Miami-Dade Water Supply Facilities Work Plan~~	

For informational purposes, the total 2016 population of Miami-Dade County, in which the Village's population is included, was 2,700,794 (Table B-1. PWS and DSS population

projections for the Miami-Dade LEC Planning Area, *2018 LEC Water Supply Plan Update*). Of that total the Miami-Dade WASD serviced 2,351,064 residents.

Table 3-2
Village vs. Miami-Dade County Population Comparison

	2020	2025	2030	2035	2040
North Bay Village	8,079	8,669	9,258	9,848	10,437
MDWASD Service Area	2,407,121	2,533,548	2,659,975		
Miami-Dade County Total Pop.	2,777,310	2,924,743	3,072,175		

Sources: Exhibit C-3, MDWASD Wholesale Municipal Customers – Water Service Area Population by Utility Served, MDWASD 10-Year Water Supply Facilities Work Plan (October 2020) and Table 4-2 Population Projections to be Served by WASD.

The Village does not have additional data on domestic self-supply systems. After review of Village records it has been determined they are incomplete with respect to self-supply systems.

3.2 Maps of Current and Future Areas Served

The map depicting the current Village boundary served by the MDWASD system is provided in **Figure 1**. The map shown as **Figure 2** shows the MDWASD Wholesale Municipal Customers Map while **Figure 3** provides the locations of the Miami-Dade County Wellfield Protection cones of Influence map.

3.~~2~~3 Potable Water Level of Service Standard

~~Per the Miami Dade Water Supply Plan update the indicated gallon per capita per day water demand for the North Bay Village service area is 148.11. See details below:~~

Based on the adopted Water Supply Facilities Work Plan Update 2015, the Village adopted a potable water LOS level of 148.11 gallons per capita per day.

An update of the per capita use estimated by Miami-Dade Water and Sewer Department in the April 2022 10-Year Water Supply Facilities Work Plan (shown in Exhibit C-2) by municipality was determined to be 145.41 gallons per capita per day (gpcd).

The Village will revise the LOS standard that the Village had adopted and found in Policies 7.4.1 and 12.1.5. If future population increases project higher demands, the Village will work with the County and SFWMD to refine projections during the five-year updates to the water management plan and also through the State mandated Evaluation and Appraisal Report process.

~~TABLE STRICKENTHROUGH~~

Exhibit C-7

Wholesale Water Demand Projections

Wholesale Customer	Projection Year	Population	Baseline Wholesale Per Capita Consumption (GPD)	Projected Wholesale Consumption (GPD)	Projected Wholesale Consumption (MGD)
Medley	2029	7,762	864.208	6,708,040.68	6.71
Medley	2030	8,129	864.208	7,025,435.50	7.03
Medley	2031	8,497	864.208	7,342,830.32	7.34
Medley	2032	8,864	864.208	7,660,225.14	7.66
Medley	2033	9,231	864.208	7,977,619.96	7.98
Medley	2034	9,598	864.208	8,295,014.78	8.30
Medley	2035	9,966	864.208	8,612,409.59	8.61
Medley	2036	10,333	864.208	8,929,804.41	8.93
Medley	2037	10,700	864.208	9,247,199.23	9.25
Medley	2038	11,067	864.208	9,564,594.05	9.56
Medley	2039	11,435	864.208	9,881,988.87	9.88
Medley	2040	11,802	864.208	10,199,383.69	10.20
Miami Beach	2014	90,254	245.991	22201794.66	22.20
Miami Beach	2015	91,288	245.991	22456116.65	22.46
Miami Beach	2020	96,458	245.991	23727726.59	23.73
Miami Beach	2025	101,627	245.991	24999336.54	25.00
Miami Beach	2030	106,796	245.991	26270946.48	26.27
Miami Beach	2033	109,898	245.991	27033912.45	27.03
Miami Beach	2035	111,966	245.991	27542556.42	27.54
Miami Beach	2028	104,728.60	245.99	25,762,302.50	25.76
Miami Beach	2029	105,762.47	245.99	26,016,624.49	26.02
Miami Beach	2030	106,796.33	245.99	26,270,946.48	26.27
Miami Beach	2033	109,897.93	245.99	27,033,912.45	27.03
Miami Beach	2035	111,965.67	245.99	27,542,556.42	27.54
North Bay Village	2014	7,346.87	148.11	1,088,106.96	1.09
North Bay Village	2015	7,403.83	148.11	1,096,544.00	1.10
North Bay Village	2020	7,688.67	148.11	1,138,729.22	1.14
North Bay Village	2025	7,973.50	148.11	1,180,914.43	1.18
North Bay Village	2030	8,258.33	148.11	1,223,099.64	1.22
North Bay Village	2033	8,429.23	148.11	1,248,410.77	1.25
North Bay Village	2035	8,543.17	148.11	1,265,284.86	1.27
North Miami	2014	68,966.73	54.65	3,768,802.66	3.77
North Miami	2015	69,007.17	54.65	3,771,012.20	3.77
North Miami	2020	69,209.33	54.65	3,782,059.94	3.78
North Miami	2025	69,411.50	54.65	3,793,107.68	3.79
North Miami	2030	69,613.67	54.65	3,804,155.41	3.80
North Miami	2033	69,734.97	54.65	3,810,784.05	3.81
North Miami	2035	69,815.83	54.65	3,815,203.15	3.82
Opa-Locka	2014	19,122.13	126.82	2,425,119.34	2.43
Opa-Locka	2015	19,221.17	126.82	2,437,679.00	2.44
Opa-Locka	2020	19,716.33	126.82	2,500,477.35	2.50
Opa-Locka	2025	20,211.50	126.82	2,563,275.69	2.56
Opa-Locka	2030	20,706.67	126.82	2,626,074.03	2.63
Opa-Locka	2033	21,003.77	126.82	2,663,753.03	2.66
Opa-Locka	2035	21,201.83	126.82	2,688,872.37	2.69
Surfside	2014	5,835.53	148.04	863,864.14	0.86
Surfside	2015	5,866.17	148.04	868,398.95	0.87
Surfside	2020	6,019.33	148.04	891,073.01	0.89
Surfside	2025	6,172.50	148.04	913,747.06	0.91
Surfside	2030	6,325.67	148.04	936,421.11	0.94

~~The MDWASD water supply and treatment systems have sufficient installed capacity to produce more potable water than is currently required. The supply capacity and treatment capacity are 724.44 MGD and 517.19 MGD respectively. Table 3-3 summarizes this information. Table 3-4 summarizes other suppliers facilities capacities.~~

~~The capacities of these water supply and treatment systems have been coordinated with future demands and allocations.~~

~~TABLE STRICKENTHROUGH~~
~~Table 3-3 MDWASD Facilities Capacities~~

Facility	Installed Capacity (mgd)
Hialeah-Preston Water Treatment Plants	**60 + 165 = 225**
Hialeah-Preston Well fields	
Preston	53.28
Hialeah	12.54
Miami Springs	79.30
Northwest (a)	149.35
Medley Wellfield (b)	48.96
Hialeah RO Water Treatment Plant	**10**
Hialeah RO Wellfield (Floridan Aquifer)	
Existing Hialeah RO	12.00
Future Hialeah RO (2015)	8.00
Alexander Orr Water Treatment Plant	**248**
Alexander Orr Well fields	
Orr Plant	74.40
Snapper Creek	40.00
Southwest	161.20
West	32.40
South Dade Water Treatment Plants	**14.19**
South Dade Wellfields	
Elevated Tank	4.32
Everglades Labor Camp	5.04
Leisure City	4.18
Naranja	1.15
Newton	4.32
Future South Miami Heights Water Treatment Plant (2018)	***20.00***
Future South Miami Heights Wellfields	
Former Plant (Biscayne Aquifer)	*4.00*
Roberta Hunter Park (Biscayne Aquifer)	*6.00*
South Miami Heights RO (Floridan Aquifer)	*24.00*
Existing WASD Wellfield Total	**682.44**
Existing WASD Water Treatment Plant Total	**497.19**
Future WASD Wellfield Total	**724.44**
Future WASD Water Treatment Plant Total	**517.19**

~~(a) Northwest wellfield capacity at 150 mgd when pumps operate at low speed.~~

~~(b) Wells in this wellfield had been abandoned. They have been restored with the purpose of using them only during an emergency.~~

~~*Source: MDWASD Water Use Permit No. 13-00017-W, revised July 2012, and requested revision June 2014.*~~

~~TABLE STRICKENTHROUGH~~

~~Table 3-4 Other Supplier's Facilities Capacities~~

Facility	Installed Capacity (mgd)
City of North Miami	
Norman H. Winsom Water Treatment Plant	9.30
City's well fields (8 wells)	**14.96**
City of North Miami Beach	
Norwood-Oeffler Water Treatment Plant	**32.00**
City of North Miami Beach Wellfields	
Biscayne Aquifer Wellfields	27.90
Floridan Aquifer Wellfields	12.07
City of North Miami Beach Wellfields	**39.97**
City of Homestead	
Wittkop Park – Harris Field Water Treatment	11.2+5.7=**16.9**
City of Homestead Wellfields	
Wittkop Park	11.23
Harris Field	5.76
City of Homestead Wellfields	**16.99**
Florida City	
Florida City Water Treatment Plant	***4***
Florida City Wellfields	***4***

~~*Source: City of North Miami Beach SFWMD Water Use Permit Staff Report (August 2007) and Water Use Permit No. Re-issue 13-00060-W, Draft Water Supply Facilities Work Plan (City of North Miami, March 2008), Information provided by discussions with staff for the City of Homestead and Florida City*~~

3.~~3~~4 Population and Water Demand Projections

~~The water demand projections presented herein are based on an initial system-wide finished water daily per capita use rate of 137.2 gallons per capita per day (gpcd). The per capita use was determined by taking a 3-year average from 2011 to 2013. The initial per capita rate has declined due to water use reductions resulting from water conservation and reuse irrigation water projects. Table 3-5, provides the projected finished water use for Year 2014 through Year 2033.~~

Population projections for the North Bay Village service area in five-year increments from Years 2020-2040 are shown in Table 3-3.

Table 3-3
Potable Water Demands for the North Bay Village and MDWASD Overall Water System Capacity and Demand

Year	Population Projections	Gallons/Capita/Day	Average Demand (MGD)	Rated Capacity (MGD)	Finished Water Demand (MGD)
2020	8,079	145.41	1.17	463.93	336.12
2025	8,669	145.41	1.26	463.93	350.03
2030	9,258	145.41	1.35	463.93	366.16

2035	9,848	145.41	1.43		
2040	10,437	145.41	1.52		

Sources: MDWASD Wholesale Service Area Water Demand Projections (Exhibit C-6) and Table 2.5.1-2 Miami-Dade County Water Supply Facilities related text amendments (CDMP20220002).

~~TABLE STRICKENTHROUGH~~

~~Table 3-5 MDWASD Projected Finished Water Demands~~

1	2	3	4	5	6	7	8	9
Year	PROJECTIONS (2013) FOR MDWASD SERVICE AREA							
	Pop.[a]	Finished Water Use (gpcd)	AADD Finished Water Use[b] (MGD)	Water Conservation[c] (MGD) Credit	Reuse/ Reclaimed Water [d] (MGD) Credit	Adjusted Finished Water Demand[e] (MGD)	Adjusted Finished Water Use (gpcd)	CITY OF HOMESTEAD Finished Water Demand (MGD)
System-Wide								
2014	2,243,879	137.2	307.19	1.36	0.00	306.43	136.56	2.50
2015	2,266,092	137.2	310.84	2.04	0.00	308.80	136.27	3.00
2020	2,370,769	137.2	325.20	5.44	0.00	319.76	134.88	3.00
2025	2,475,446	137.2	339.56	8.84	0.00	330.72	133.60	3.00
2030	2,580,123	137.2	353.92	9.55	0.00	344.37	133.47	3.00
2031	2,601,058	137.2	356.79	9.55	0.00	347.24	133.50	3.00
2032	2,621,994	137.2	359.66	9.55	0.00	350.11	133.53	3.00
2033	2,642,929	137.2	362.53	9.55	0.00	352.98	133.56	3.00

Footnotes

(a) Population Served represents the TAZ population projections based on 2010 Census Data provided by the MDC RER Planning Division.

(b) Annual Average Daily Demand (AADD) Finished Water Projections between 2014 and 2033 assume 137.2 gpcd (a decrease from 145.4 gpcd total water system demand prior to application of credits (e.g. conservation).

(c) MDWASD has implemented a 20-year water use efficiency plan and is experiencing reductions in per capita water consumption. Water Conservation projections were revised based on the 2010 Annual Water Conservation Plan Conserve Florida Report (March 2011). Real losses in non-revenue water (e.g. unaccounted-for-water) are assumed to remain at less than 10%. The conservation amounts experienced through 2010 (6.54 MGD) were deducted from the 20-year conservation amount in the Conserve Florida Report and the remaining conservation amounts were distributed for the balance of the 20-year period (2011-2027).

(d) Not Used

(e) Adjusted after taking credit in finished water demand projections for reductions in finished water use associated with water conservation.

3.5 Water Supply Provided by WDWASD

The Miami-Dade County 10-Year Water Supply Facilities Work Plan (April 2022) is attached as Appendix A. The County Work Plan generally contains all supply and distribution information concerning its Countywide facilities, conservation measures, alternative water supply projects, historical data and projections, planned facilities, capital improvements, climate change and sea level rise impacts. The intent of the County Work Plan is to meet the statutory requirements mentioned in subsection 1.2 of this plan and to coordinate the MDWASD's water supply initiatives with the SFWMD's *Lower East Coast Water Supply Plan Update*.

The SFWMD initially issued a Water Use Permit (WUP) for Miami-Dade County on November 15, 2007. The water use permit limits the annual allocation and the maximum monthly allocation until the permit expires. The latest modifications to this MDWASD WUP, No.1300017-W, were approved on March 8, 2022 and will now expire on December 27, 2065.

The MDWASD's service area is all portions of Miami-Dade County within the Urban Development Boundary (UDB), excluding the service areas of North Miami Beach, Homestead, Florida City, and approximately 65% of North Miami's service area. The water demands of the areas within the Urban Expansion are considered in the 10-year planning horizon.

The MDWASD water service area contains interconnected systems and, for the most part, functions as a single service area. The service area is broken down into three sub areas by water treatment facilities: the Hialeah-Preston area, the Alexander Orr Jr. area, and the South Dade area.

The County's 10-Year Water Supply Facilities Work Plan (April 2022), Appendix C, "Municipal Population and Demand Projections" includes data on population projections and per capita water usage.

MDWASD is committed to meet the water demands for the municipalities and unincorporated areas within its service area. North Bay Village is served by the Hialeah-Preston sub-area water treatment plant.

The Hialeah-Preston sub-area is comprised of dedicated low-pressure pipelines, remote storage tanks, pumping facilities, and high pressure systems. This sub-area delivers water to Hialeah, Miami Springs, the City of Miami, and other portions of northeastern Miami-Dade County (including North Bay Village). The Hialeah-Preston sub-area, water treatment plant is supplied by four water supply wellfields (Hialeah- capacity 12.5 MGD; John E. Preston – capacity 53.28 MGD; Miami Springs – capacity 79.30 MGD; and Northwest -149.35 MGD), with a total designed capacity of approximately 220.94 MGD.

3.46 MDWASD and ~~the~~ Village~~'s~~ Water Conservation ~~and Water Reuse Actions Water Conservation~~

Water conservation is the key to maintaining the health and productivity of the Surficial and Floridan Aquifers. Promoting water conservation equipment, techniques, and practices will benefit customers economically and maintain a realistic water demand picture for utilities. Protection of the aquifer system and wellfields (Figure 3.) through conservation and reuse, recharge enhancement, limitations on withdrawal, regulation of land use, and maintenance of minimum flows and levels will ensure the availability of an adequate water supply for all competing demands, maintain and enhance the functions of natural systems and preserve water quality.

North Bay Village works in coordination with MDWASD, SFWMD and state efforts aimed at promoting conservation through a variety of means including:

- Water Use Efficiency requirements included in the Code of Miami-Dade County
- Limiting Irrigation Hours
- Florida-Friendly Landscape Ordinance
- Rain Sensor Ordinance
- Water Conservation Rate Structure
- Leak Detection and Repair Program
- Public education
- Offering low-cost kits to its customers to reduce water use in their homes (High-Efficiency Fixtures).

MDWASD has developed a Water Conservation Plan (November 2020) which is included as Exhibit 29, 10-Year Water Supply Facilities Work Plan (~~2014 – 2033~~ April 2022).

For more information about WASD's Water Conservation Program visit http://www.miamidade.gov/conservation/home.asp

3.6.1 County-wide Issues

Miami-Dade Water Use Efficiency Plan

~~The per capita usages contained in Table 3-5 are adjusted, taking into consideration MDWASD water conservation.~~ MDWASD is implementing a 20-year water ~~conservation~~ water use plan and is ~~looking for ways to reduce non-revenue water~~ experiencing reductions in per capita water consumption by implementing all Best Management Practices (BMPs) included in ~~T~~the MDWASD 20-Year Water Use Efficiency ~~Goal Based~~ Plan (Plan) which was approved by the SFWMD in May 2007. ~~The Water Conservation projections included in Table 3-5 were revised based on the 2010 Annual Water Conservation Plan Conserve Florida Report (March 2011). Currently, MDWASD is implementing all Best Management Practices (BMPs) included in the Plan. Values contained within the above table reflect projections as of June 2014.~~

~~Miami-Dade County has enacted water use efficiency legislation including permanent landscape irrigation restrictions, landscape ordinances requiring Florida Friendly landscaping in new construction and in right of ways, and the installation of high efficiency plumbing fixtures in new construction. North Bay Village's water conservation efforts have benefited from this legislation. Water conservation activities are funded annually through the operations and maintenance budget and are therefore not included in capital budgets.~~

~~Water conservation projections do not reflect water demand reductions presented by the "Unaccounted Water Loss Reduction Plan (February 2007)" prepared by Malcolm Pirnie, Inc. The potential additional reduction in water demands, as a result of real non-revenue water loss, is estimated at 14.25 mgd over the next ten years~~ The lower demand is also the result of lower-than-projected population growth, permanent landscape irrigation

restrictions, water loss reduction from Florida Friendly landscaping in new construction, in right of ways, and the installation of high efficiency plumbing fixtures in new construction and some reuse within the three wastewater treatment plant sites or in their vicinities. Because of these efforts, the County has achieved 16.19 MGD of water saving through fiscal year 2021. As a result, the Water Conservation projections included within the MDWASD 10-Year Water Supply Facilities Work Plan were revised based on the Water Conservation Plan 2021 Annual Report (January 1, 2021 – December 31, 2021), Exhibit F, MDWASD 10-Year Water Supply Facilities Work Plan. The savings from water conservation translate into more potable water available for residential and non-residential use, capital and operating savings, which allow systems to defer or avoid significant expenditures for water supply facilities and wastewater facilities.

Water Conservation Plans and Development Codes

Miami-Dade County has developed recommendations for new developments that would achieve higher water use savings than currently required by code. Miami-Dade County has enacted water use efficiency-legislation including permanent landscape irrigation restrictions, landscape ordinances requiring Florida Friendly landscaping in new construction, in right of ways, and the installation of high efficiency plumbing fixtures in new construction and some reuse within the three wastewater treatment plant sites or in their vicinities. This was done by The Board of County Commissioners amending Water Use Efficiency standards creating or amending-Sections 8-31, 32-84, 8A-381, 32-8.2, 32-83.1, 18A, 18B of the Code of Miami-Dade. All future development within the Village is required to comply with these water conservation measures as provided through these water use efficiency legislations, which may be amended from time to time. The list of legislation and ordinances relating to water use efficiency standards are presented in Appendix D of the MDWASD Water Supply Facilities Work Plan and are also posted in the Miami-Dade Water Conservation Portal.

Per Capita Consumption

The MDWASD establishes per capita consumption for all municipalities including those in its retail customer service area. Based on this data, the MDWASD will work with the municipalities to address those with higher than average per capita usage and will target programs for those areas. The County anticipates that the implementation of the BMPs identified in the 20-Year Water Use Efficiency Plan will result in an adjusted system wide per capita of 139 gpcd through the planning period.

The Village has been successful in implementing, as applicable, its water conservation policies and supporting efforts by Miami-Dade County and the South Florida Water Management District in their efforts to promote water conservation and reuse. The Village promotes the policies, requirements and procedures as outlined in this 10-Year Water Supply Facilities Work Plan Update. As shown by the Village's per capita consumption rate of 145.41 gallons per capita vs. 139 generally systemwide. Although slightly higher than the average the Village continues to strive for increased water conservation of water resources.

3.6.2 Local government Specific Actions, Programs, Regulations, or Opportunities

The Village will continue to coordinate future water conservation efforts with the MDWASD and the SFWMD to ensure that proper techniques are applied. The Village has adopted policies encouraging the use of Green Building Standards for new development, as well as those emphasizing low impact development techniques. In addition, the Village will continue to support and expand existing goals, objectives and policies in the comprehensive plan that promotes water conservation in a cost-effective and environmentally sensitive manner. The Village will continue to actively support the SFWMD and Miami-Dade County in the implementation of new regulations or programs that are designed to conserve water during the dry season. ~~In 2016, the Village will distribute educational materials to its residents concerning Florida Friendly landscaping in coordination with SFWMD.~~

3.7 Water Reuse

~~On June 28, 2013, MDWASD submitted to the Secretary of FDEP the Ocean Outfall Legislation Compliance Plan. A total of 117.5 mgd of reuse will be implemented. Out of that 27.6 mgd of reclaimed water will be used to recharge the Floridan Aquifer. The Floridan Aquifer recharge will be applied on equal capacities at the existing Central and South District Wastewater Treatment Plants, and a proposed West District Wastewater Treatment Plant (9.2 mgd each). And up to 90 mgd of reuse water will be provided to FPL for Turkey Point cooling Units 5, 6 and 7.~~

3.7.1 Regional and County-wide Issues

State law supports reuse efforts. Florida's utilities, local governments, and water management districts have led the nation in implementing water reuse programs that increase the quantity of reclaimed water used and public acceptance of reuse programs. Section 373.250(1) F.S. provides that "water reuse programs designed and operated in compliance with Florida's rules governing reuse are deemed protective of public health and environmental quality." In addition, Section 403.064(1), F.S., provides that "reuse is a critical component of meeting the state's existing and future water supply needs while sustaining natural systems."

The County's projected finished water demands are now markedly lower than anticipated when the first 20-year water use permit application was submitted. ~~This demand reduction has eliminated the anticipated supply shortages which were the basis for an ambitious schedule of several costly alternative water supply projects. As such, reuse is no longer required or needed to address water supply.~~ As such, ~~wastewater reuse to address water supply demands is no longer required~~ specific wastewater reuse projects to address water supply demands currently are not included in MDWASD's water use permit, and other alternative water supplies (Floridan aquifer, water conservation, C-51 reservoir, etc.) have been determined to be more viable and shall be considered in the future. WASD is currently implementing a total of 16.49 MGD of reuse at each of the Wastewater Treatment Plants, primarily for in-plant (process water) use. In addition, WASD will be providing up to 15 MGD of reclaimed water from the South

District Wastewater Treatment Plant to the FPL facilities at Turkey Point, per Miami-Dade County Resolution No. R-579-20 approved by the BCC on June 16, 2020.

3.7.2 Local Government Specific Actions, Programs, Regulations, or Opportunities

The Village will continue to support the SFWMD and Miami-Dade County water reuse projects, and implementation of new regulations or programs designed to increase the volume of reclaimed water used and public acceptance of reclaimed water.

4.0 INTERGOVERNMENTAL COORDINATION

The provision of water supply needs in the North Bay Village is achieved in coordination with local, county, and regional partners including Miami-Dade County WASD and South Florida Water Management District. MDWASD is the Village's primary water partner as they provide its water service utilities. As part of the water supply planning process and intergovernmental coordination in general the Village has reviewed the Miami-Dade County Plan while outside agencies will review the Village's Plan. MDWASD ensures that water supply services are provided to most potable water users of Miami-Dade County in the most efficient and effective manner. SFWMD acts to protect the region's water supply resources and coordinates the implementation of state water regulations and policies through local water planning efforts and water supply services.

In this update of the Water Supply Facilities Work Plan, the Village has reviewed its water supply related Objectives and policies and updated them as necessary. Changes to the Objectives and policies are outlined in Section 7.0. Policies are included which detail coordination efforts with both MDWASD and SFWMD. As a wholesale customer, the Village must coordinate through data collection and billings the adequate supply of water and conservation practices with MDWASD and implement the requirements of County Code.

45.0 CAPITAL IMPROVEMENTS

The Village is within Miami-Dade County WASD service area which provides potable water and sanitary sewer services. As discussed, the potable water and sanitary sewer systems have adequate capacity to meet the needs of current and future residents. At this time the Village has no water facility projects planned. This section details water supply facilities that are planned within the County in order to meet MDWASD's water demands through the planning period.

The information contained in the Village's Comprehensive Plan and the Miami-Dade WASD 10-year Water Supply Facilities Work Plan (April 2022), the *2018 Lower East Coast Water Supply Plan Update* (LEC) approved by the South Florida Water Management District (SFWMD) on November 8, 2018 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference. The Water Use Permit which was modified and approved by the SFWMD on March 8, 2022, will now expire on December 27, 2065.

45.1 Planned Water Facilities Projects ~~and Capital Improvements Schedule~~

~~Capital improvement projects are determined by the MDWASD, as such they are not identified within North Bay Village. However, it is understood that coordination with MDWASD is necessary to ensure appropriate infrastructure is in place for service delivery to be consistent with the water supply facilities work plan.~~

~~Water supply facilities are planned in order to meet MDWASD's water demands through 2033. The County's projected finished water demands are now markedly lower than anticipated when the first 20- year water use permit application was submitted to South Florida Water Management District (SFWMD) in 2007. This demand reduction has eliminated the anticipated supply shortages which were the basis for an ambitious schedule of several costly alternative water supply projects which are no longer required or needed. Reuse projects to address water supply have been eliminated. The decrease in water demands is a result a successful implementation of the County's Water Conservation Plan and new population projections based on the 2010 Census.~~

~~Table 4-1, on the following pages, depicts the most current 5-Year CIE projects from MDWASD.~~

~~TABLE STRICKENTHROUGH~~
~~Table 4-1~~

WATER FACILITIES

Project Number	Project Name and Location	Purpose* / Estimated Year of Completion	Prior Years	Expenditures Revenues 2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Six Year Totals	Future Years	Project Totals	Funding Source
			(In Thousands of Dollars)										
1)	South M-D Water Trans. Mains Improv.	3/2017	0	0	0	5,900	6,500	1,100	0	13,500	4,500	18,000	1170,1171
965002I	South Miami-Dade County		0	0	0	5,900	6,500	1,100	0	13,500	4,500	18,000	
2)	Water T. Plant - Alexander Orr,Jr. Expansion	3/2018	8,089	6,894	15,060	25,309	27,914	13,578	6,515	95,070	331,395	434,554	495,1170,
965003I	8800 S.W. 87 Ave.		14,783	0	15,060	25,309	27,914	13,578	6,515	88,376	331,395	434,554	1171,1266
3)	Water T.Plant - Hialeah/Preston Improv.	3/2017	2,794	100	2,301	17,139	27,069	10,990	1,625	59,224	9,975	71,993	495,1171,
965004I	700 W. 2 Ave./1100 W. 2 Ave.		2,894	0	2,301	17,139	27,069	10,990	1,625	59,124	9,975	71,993	1170,1178
4)	Wellfield Improvements	3/2014	0	0	500	0	0	0	0	500	0	500	1171
965005I	Systemwide		0	0	500	0	0	0	0	500	0	500	
5)	Water Main - Extensions	1/2017	2,276	1,000	1,000	1,000	1,000	2,000	1,569	7,569	0	9,845	495
965106I	Systemwide		3,845	1,000	1,000	1,000	1,000	1,000	1,000	6,000	0	9,845	
6)	Central M-D Water Trans. Mains Improv.	3/2019	10,506	2,919	0	0	0	1,121	2,652	6,692	16,080	33,278	1170,1171
965404I	Central Miami-Dade County Area		13,425	0	0	0	0	1,121	2,652	3,773	16,080	33,278	
7)	North M-D Water Trans. Main Improv.	3/2017	2,500	1,775	691	4,738	2,810	1,335	0	11,349	0	13,849	1170,1171
965403I	North Miami-Dade County Area		4,275	0	691	4,738	2,810	1,335	0	9,574	0	13,849	
8)	W.T.P. Replacement & Renovations	3/2018	8,948	1,874	1,700	7,077	6,700	5,249	3,245	25,845	3,045	37,838	495,1171
965016I	Water Treatment Plants		10,691	771	1,700	7,077	6,700	5,249	3,245	24,742	3,045	37,838	
9)	Water System Maintenance & Upgrades	3/2017	37,587	18,490	17,500	20,000	20,000	20,000	20,000	115,990	162,500	316,077	495,1171
965018I	Systemwide		46,591	9,586	17,500	20,000	20,000	20,000	20,000	107,086	162,500	316,077	
10)	Water Distribution System Extension Enhanc.	3/2019	12,433	3,515	11,693	40,449	30,998	26,518	41,807	156,380	1,528,044	1,695,857	495,952,
965331I	Systemwide		15,348	0	11,693	40,449	30,998	26,518	41,807	151,465	1,528,044	1,695,857	9026,1170, 1171,1266
11)	Water Equipment & Vehicles	N/2017	18,313	6,677	7,500	7,500	7,500	7,500	7,000	43,677	55,000	116,990	495,1266
965014I	Systemwide		24,990	0	7,500	7,500	7,500	7,500	7,000	37,000	55,000	116,990	
12)	Water General Maintenance & Office Facilities	N/2019	0	0	0	11,303	11,960	4,832	3,833	31,928	42,329	74,257	1171,1266
965027I	Systemwide		0	0	0	11,303	11,960	4,832	3,833	31,928	42,329	74,257	
13)	Water System Fire Hydrant Installation	1/2017	11,896	4,800	5,000	5,000	5,000	5,000	5,000	29,800	0	41,696	495

As a wholesale customer the Village is not responsible for the provision of infrastructure for potable water treatment and distribution. Below is a partial list of MDWASD projects and changes to its Capital Improvement Schedule.

As stated previously in Section 3.5 the Village is within the Hialeah-Preston Subarea. The MDWASD Capital Plan Bond/Fund Allocation for water projects through FY2029-2030 is $1.6 Billion. The following major Capital Improvements Projects may impact the Village and are as further described in the Miami-Dade WASD 10-year Water Supply Facilities Work Plan (April 2022) Appendix B 2021-2030 Multi-Year Capital Plan:

1) Systemwide Wellfield Improvements;
2) Systemwide Water Line Extensions and Improvements;
3) Water Treatment Plants Rehabilitation;
4) Purchase of Lake Property Adjacent to Northwest Wellfield;
5) Miami Springs Wellfield Rehabilitation – Phase 1-3; and,
6) C-51 Reservoir Water Project.

45.2 Alternative Water Supply Projects

The County's projected finished water demands are now markedly lower than first anticipated. The decrease in water demands is a result of successful implementation of the County's Water Conservation Plan and efficiency standards.

The proposed alternative water supply (AWS) projects are to meet MDWASD's increase water demands through the planning period. AWS projects have been identified to meet water demands in the MDWASD service area and may be found in the MDWASD 10-Year Water Supply Facilities Work Plan (April 2022), Section 5, Sub-section 5.1 Alternative Water Supply Projects.

6.0 CLIMATE CHANGE AND SEA LEVEL RISE

Southeast Florida is one of the most vulnerable regions to the impacts of climate change and sea level rise as a result of our flat topography, porous limestone geology, and dense coastal development. Climate change and sea level rise are expected to present significant challenges relating to water resource planning, management and infrastructure for the counties located in south Florida, including Broward, Miami-Dade, Monroe, and Palm Beach Counties. These communities have agreed to partner in regionally-coordinated climate mitigation and adaptation strategies as part of the Southeast Florida Regional Climate Change Compact (Compact) and have adopted a Regional Climate Action Plan (RCAP) which highlights "Water Supply, Management, and Infrastructure" as a primary focal area. http://southeastfloridaclimatecompact.org

Investigations and evaluations conducted at the national, regional, and local levels have reinforced the need to plan for the predicted impacts of more frequent and severe drought, increases in tidal and storm-related flooding, and the loss of coastal wellfield

capacity due to saltwater contamination. In the absence of proactive planning, these impacts will present liabilities for coastal and inland communities with implications for urban water supplies, water and wastewater infrastructure, and both regional and local drainage/flood control systems. Investments in water supply planning and infrastructure that account for these predicted trends will improve the resilience of our communities, provide public health benefits, and reduce the potential for economic losses.

Miami-Dade County, Broward, Monroe, Palm Beach Counties, local governments and water utilities in the southeast Florida region have formalized the integration of water supply and climate change considerations as part of coordinated planning efforts, including updates to local government and water utility 10-year Water Supply Facility Work Plan and enhancements to local government's Comprehensive Plans. Key considerations for communities within the four County Compact planning area areas include: 1) sea level rise, 2) saltwater intrusion, 3) extreme weather, and 4) infrastructure investments to support diversification and sustainability of water supply sources, and adaptive storm water and wastewater systems.

Below are synopses of these considerations as enumerated more fully in the MDWASD 10-Year Water Supply Facilities Work Plan (April, 2022), Section 6 Climate Change and Sea Level Rise Plan.

6.1 Sea Level Rise

Sea level rise has significant implications for water management and water supply planning in southeast Florida, the rate of which is accelerating.

Sea level rise produces varied challenges with respect to water resources sustainability, water management, and water/wastewater facilities and infrastructure. Impacts include saltwater contamination of coastal wellfields, infiltration of groundwater with chloride levels into wastewater collection systems, impairing normal operations and maintenance as well as opportunities for beneficial use of reclaimed water as an alternative water supply. Water management systems are also at risk with systems constrained by rising groundwater and tail water elevations which reduce soil storage and discharge capacity, with increased potential for both inland and coastal flooding and less opportunity for long-term storage of storm water for beneficial reuse.

These realities necessitate consideration of plans and investments that may be needed to compensate for loss of existing water supplies through relocation of wellfields and the development of alternative water supplies while also seeking opportunities to expand regional water storage opportunities. These investments and considerations are in addition to concurrency planning for population growth and water demands that are typical requirements for water supply planning requirements.

For all planning purposes Miami-Dade County (including North Bay Village) relies upon the Unified Sea Level Rise Projection for Southeast Florida developed by the South Florida Regional Climate Change Compact (Figure 6-1). The projection was updated in 2019 by a panel of

scientists to reflect the best available data. The latest science indicates that mean sea levels could be between 10 to 17 inches higher than 2000 levels by 2030. By 2070, average levels are expected to be 21 to 40 inches higher.

Greater Miami & the Beaches (GM&B) was created to respond to the global trends major cities face including urbanization, globalization and climate change. GM&B was selected to join the 100 Resilient Cities Program pioneered by the Rockefeller Foundation in 2016. In 2019, GM&B released the Resilient305 Strategy that addresses prioritized resilience challenges, which was developed through extensive intergovernmental and community collaboration (https://resilient305.com/). The resilience strategy is designed to address GM&B's key shocks and stresses, such as hurricanes and infrastructure failure. The strategy includes actions related to water management including water quality, flooding mitigation, and infrastructure hardening.

As a 100 Resilient Cities partner MDC was eligible and selected as one of five global communities to pilot the City Water Resilience Approach to diagnose the strengths and weaknesses of the water system using quantitative and qualitative indicators and to develop an action plan that builds water resilience. WASD led this process that bridged water, wastewater, and stormwater management, both upstream and downstream of our county, and which directly advances water-related actions in the Resilient305 Strategy, particularly Action 54: Employ a One Water Approach. Some key messages we heard from our stakeholders include the importance of better coordination between water stakeholders, the need for catchment-level partnerships and water management projects and practices, and a strong call for sharing water quality and related data to ensure evidence-based decision-making, and the need for proper valuing of ecosystem services.
https://wwwresilienceshift.org/publication/greater-miami-water-resilience-profile-cwra/

6.2 Saltwater Intrusion

The primary concern to MDWASD water supply is saltwater intrusion into the freshwater Biscayne aquifer, the primary source of drinking water in Miami-Dade County. Results of evaluation and data analysis completed to date indicate that within the next thirty years MDWASD will be able to operate its wellfields and water treatment facilities as designed, as groundwater modeling indicates even with a high level of projected sea level rise the county's wellfields will not be impacted by saltwater intrusion.

Along the coast of southeast Florida, and several miles inland, groundwater supplies and potable wells are vulnerable to saltwater contamination. The Biscayne Aquifer which serves as the region's primary water supply is a shallow, surficial aquifer characterized by limestone karst geology which is highly porous, and transmissive. As a result, coastal saltwater intrusion of the aquifer has begun to restrict coastal water supplies and necessitates the development of western wellfields, changes in wellfield in water management operations, and reclaimed water projects to enhance aquifer recharge.

Saltwater intrusion in Miami-Dade County is monitored through a joint effort of the Miami-Dade WASD, Miami-Dade Department of Regulatory and Economic Resources (RER), and the U.S. Geological Survey (USGS) through Joint Funding Agreements and as part of the WUP #13-00017-W requirements.

6.3 Extreme Weather Events

As extreme events increase in frequency and severity, the Village and MDWASD will consider impacts and risks associated with drought, water shortages and reduced groundwater tables, all of which can hasten saltwater intrusion and exacerbate water supply impacts. Conversely, more intense and rapid rainfall will cause flooding, increased runoff, as well as impacts to the natural systems and provide less recharge potential.

Extreme rainfall events can increase damage to low-lying utility infrastructure and prolong surface water flooding. The increases in groundwater and sea level will challenge the function of drainage systems and can contribute to excessive flooding for even mild storm events. Predicting for the combined influences of storm events, high tides and sea level rise on drainage system functions and other public infrastructure is a critical planning need as is the assessment of viable water supplies and impacts to the natural systems from prolong droughts.

WASD entered into a JFA in 2014 (JFA 14GGESMC0000110) with the USGS to continue the modeling effort, and will develop additional future scenarios with County Departments, local governments, a n d regional agencies for further climate change and sea level rise assessment.

6.4 Infrastructure Development

With increasing climate change there is a need to diversify water supply sources, treatment technologies and to provide adaptive storm water and wastewater infrastructure design criteria to ensure long-term sustainability of key facilities. Strategic infrastructure planning should incorporate these constraints and work within with the Goals, Policies and Objectives of the Village's comprehensive planning processes and water supply facility work plans· to provide for long-term sustainable and balanced approach for future development. Additionally, WASD requires that capital improvement projects include an assessment of climate change and sea level rise.

Options that provide for a diversification of water projects and protection of resources will be fundamental to this effort and may include: regional water storage such as the C-51 Reservoir; aquifer storage and recovery (ASR); the development and use of highly treated wastewater (reverse osmosis) for recharge hydrodynamic barriers; the relocation and/or regionalization of wellfields and treatment facilities away from low-lying areas; and enhancing operational flexibility.

Finally, the support of regional water conservation efforts is a proven strategy for extending the timeline to develop these expensive alternative water supply technologies

and should be a prominent objective and dedicated effort to support water resource protections under the threat of sea level rise and climate change.

~~5~~7.0 COMPREHENSIVE PLAN: GOALS, OBJECTIVES AND POLICIES

This section reflects the necessary ~~changes~~ amendments to the Comprehensive Plan based on the 10-Year Water Supply Facilities Work Plan Update 2022. They are presented herein by Element, in ~~strikethrough~~ and underline format. ~~The majority of the Goals, Objectives and Policies from the original Water Supply Work Plan remain unchanged.~~

Sanitary Sewer, Solid Waste, Drainage & Aquifer Recharge Element

Policy 7.4.1: In conjunction with Miami-Dade County Water and Sewer Department, provide for an adequate ~~-~~water supply to meet a level of service of ~~148.11~~ 145.41 gallons per capita per day.

Policy 7.5.4: Within eighteen months of approval of the South Florida Water Management District's most current Regional Lower East Coast Water Supply Plan Update adopted November 8, 2018, the Village shall revise the potable water sub-element to include a Water Supply Facilities Work Plan for at least a 10-year planning period addressing water supply facilities necessary to serve existing and new development for which the Village is responsible. (Same as Policy 11.3.16 from Intergovernmental Element)

Policy 7.5.5 The North Bay Village 10-Year Water Supply Facilities Work Plan Update 2022, adopted XXXX XX, 2023, is hereby adopted by reference into the North Bay Village Comprehensive Plan.~~, along with the Miami-Dade Water and Sewer Department 20-Year Water Supply Facilities Work Plan (2014 – 2033), adopted February 4, 2015, inclusive of all potable water projects. The Work Plan will be updated as needed, at a minimum of every five years, or concurrent with any updates to the Miami-Dade Water and Sewer Department 20-Year Water Supply Facilities Work Plan (2014 – 2033).~~ The Village adopts by reference the Miami-Dade County Comprehensive Development Master Plan Amendments adopted January 19, 2023, the Miami-Dade Water and Sewer Department 10-year Water Supply Facilities Work Plan (April 2022), the *2018 Lower East Coast Water Supply Plan Update* (LEC) approved by the South Florida Water Management District (SFWMD) on November 8, 2018 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference. The Water Use Permit which was modified and approved by the SFWMD on March 8, 2022, will now expire on December 27, 2065.

Policy 7.5.13 The Village shall take all necessary steps to ensure that all future development shall comply with the landscape standards in Sections 18-A and 18-B of Miami-Dade County code and Chapter 40E-21, FAC, Water Shortage Plan.

Coastal Management Element

Policy 8.3.8: The Village will ensure that any new regulation to protect water resources is consistent with the most current Miami-Dade County's ~~2~~10- Year Work Plan and South Florida Water Management District's (SFWMD) environmental resource permitting and consumptive permitting use permitting rules.

Conservation Element

Policy 9.2.7: The Village will ensure that any stormwater management, aquifer recharge, and water reuse policies and projects are consistent with the Village's 10-Year Water Supply Work Plan Update, the~~ 2014~~ 2022 Miami-Dade County ~~2~~10-year Work Plan, and the South Florida Water Management District's ~~2013~~ 2018 Regional Supply Plan Update.

Policy 9.2.8: The Village will ensure that any new regulation to protect water resources is consistent with the most current Miami-Dade County's ~~2~~10- Year Work Plan and South Florida Water Management District's (SFWMD) environmental resource permitting and consumptive permitting use permitting rules.

Intergovernmental Coordination Element

Policy 11.3.16: Within eighteen months of approval of the South Florida Water Management District's most current Regional Lower East Coast Water Supply Plan Update adopted November 8, 2018, the Village shall revise the potable water sub-element to include a Water Supply Facilities Work Plan for at least a 10-year planning period addressing water supply facilities necessary to serve existing and new development for which the Village is responsible. (Same as Policy 7.5.4. from Sanitary Sewer, Solid Waste, Drainage & Aquifer Recharge Element)

Policy 11.3.19: The Village will coordinate with the South Florida Water Management District concerning its jurisdictional authority as necessary and support its efforts concerning the *2018 Lower East*

Coast Water Supply Plan Update, ACCELER8 Everglades and CERP and the Biscayne Bay Coastal Wetlands Project to protect an Outstanding Florida Water – Biscayne Bay. The Village hereby adopts by reference the Miami-Dade County Comprehensive Development Master Plan Amendments adopted January 19, 2023, the Miami-Dade Water and Sewer Department 10-year Water Supply Facilities Work Plan (April 2022), the *2018 Lower East Coast Water Supply Plan Update* (LEC) approved by the South Florida Water Management District (SFWMD) on November 8, 2018 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference. The Water Use Permit which was modified and approved by the SFWMD on March 8, 2022, will now expire on December 27, 2065.

Capital Improvements Element

Policy 12.1.5**:** The Village shall use level of service standards adopted in the various elements of this Comprehensive Plan in reviewing the impacts of new development and redevelopment upon public facility provision. The adopted levels of service shall be as follows:

Kennedy Causeway	D
Local Roads	C
Wastewater	~~110~~ 122 gpd per capita
Potable Water	~~148.11~~ 145.41 gpd per capita

* * *

Policy 12.2.6: North Bay Village recognizes that the Miami-Dade County Water and Sewer Department provides their potable water and although no capital improvement projects are necessary within the Village, or for which the Village will be financially responsible in connection with supply of potable water to the Village and its businesses and residents, the Village will support and coordinate with the Miami-Dade County Water and Sewer Department, as necessary, to assist in the implementation of their Capital Improvements projects ~~through the year 2033~~.

FIGURES/MAPS


Location within County
E TREASURE DR
GALLEON ST
JEWEL AVE
MUTINY AVE
HISPANOLA AVE
HISPANOLA AVE
CUTLASS AVE
S TREASURE DR
PIRATES ALLEY
N TREASURE DR
BUCCANEER AVE
BOUNTY AVE
ADVENTURE AVE
ADVENTURE AVE
W TREASURE DR
79 ST - JFK CAUSEWAY
EAST DR
BEACH VIEW DR
COQUINA DR
79TH PKWY
BAY TER
CENTER BAY DR
MIAMI VIEW DR
WEST DR
Legend
North Bay Village Limits
1 inch = 600 feet
Figure 1
North Bay Village - Location Map
Calvin, Giordano & Associates, Inc.
Document Path: J:\Atlas\fl_NorthBayVillage\Projects\2023\Location Map.mxd



Figure 2
North Bay Village - Wholesale Customer WASD Service Area



Figure 3
North Bay Village - Wellfield Protection Area Map

APPENDIX A: MDWASD 10-Year Water Supply Facilities Work Plan (April 2022)

ORDINANCE NO. 2024- _____

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ADOPTING AN AMENDMENT TO THE WATER SUPPLY FACILITIES WORK PLAN; PROVIDING FOR TRANSMITTAL; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Section 163.3167(9), Florida Statutes requires all local governments to address in its comprehensive plan, the water supply sources necessary to achieve the existing and projected water use demand for an established planning period; and

WHEREAS, Section 163.3177(4)(a), Florida Statutes requires coordination of the local comprehensive plan with the applicable water management district's regional water supply plan; and

WHEREAS, North Bay Village (the "Village") recognizes the need for integration between land use planning and water supply planning; and

WHEREAS, Section 163.3177(6)(c), Florida Statutes requires that local governments prepare and adopt a water supply facilities work plan covering at least a ten (10) year planning period and amend their comprehensive plan within eighteen (18) months after the applicable regional water management district approves a regional water supply plan or its update; and

WHEREAS, South Florida Water Management District updated and approved its regional water supply plan entitled the Lower East Coast Water Supply Plan ("LEC") on November 8, 2018; and

WHEREAS, since November 8, 2018, the Village has reviewed and proposes to now adopt amendments to its Water Supply Facilities Work Plan and related amendments in its Comprehensive Plan in order to comply with Florida law; and

WHEREAS, on _____, 202_, the Planning and Zoning Board, sitting in its capacity as the Local Planning Agency, reviewed this Ordinance and recommended _____; and

WHEREAS, the modifications provided herein are consistent with the Village's Comprehensive Plan and the Florida Community Planning Act; and

WHEREAS, this Ordinance was duly noticed and presented to the Village Commission in two readings, with second reading conducted as the required public hearing on_____, 2024; and

WHEREAS, the Village Commission finds that this proposed Ordinance serves to further enhance the protection of the community's public health, safety, and welfare.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND VILLAGE COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:[1]

Section 1. **Recitals.** That the above recitals are confirmed, adopted, and incorporated herein and made a part hereof by reference.

Section 2. **Water Supply Facility Plan Amendments Adopted.** The Village Commission hereby adopts the 10-Year Water Supply Facilities Work Plan (2022) Update, attached as Exhibit "A."

Section 3. **Transmittal.** The Village Planner is authorized to transmit the Water Supply Facilities Work Plan Update adopted by this Ordinance to the Florida Commerce Department (formerly "DEO") and all other units of local government or governmental agencies required by Florida Statutes, Section 163.3184.

Section 4. **Conflicts.** All ordinances or parts of ordinances, and all Resolutions, or parts of Resolutions, in conflict with this Ordinance are repealed to the extent of such conflict.

Section 5. **Severability.** That the provisions of this Ordinance are declared to be severable and if any section, sentence, clause or phrase of this Ordinance shall for any reason be held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining sections, sentences, clauses, and phrases of this Ordinance but they shall remain in effect, it being the legislative intent that this Ordinance shall stand notwithstanding the invalidity of any part.

Section 6. **Effective Date.** That this Ordinance shall be effective immediately upon passage by the Village Commission on second reading, except that the effective date of the comprehensive plan amendments approved by this Ordinance shall be the date a final order is issued by the Florida DEO or Administrative Council finding the plan amendments in compliance in accordance with Section 163.3184, Florida Statutes, whichever occurs earlier. The Florida Commerce notice of intent to find the plan amendments in compliance shall be deemed to be the final order if no timely petition challenging the plan amendment is filed.

PASSED on first reading on the ____ of _____, 2023.

PASSED AND ADOPTED on second reading on the ____ day of_____, 2024.

_____
Brent Latham, Mayor

[1] Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes between first and second reading are indicated with ~~double strikethrough~~ and double underline.

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Weiss Serota Helfman Cole & Bierman, P.L.
Village Attorney

First Reading:
Moved By: _____
Seconded By: _____

Second Reading:
Moved By: _____
Seconded By: _____

Vote on Final Adoption:

Mayor Brent Latham	_____
Vice Mayor Richard Chervony	_____
Commissioner Goran Cuk	_____
Commissioner Andy Daro	_____
Commissioner Rachel Streitfeld	_____

EXHIBIT A

10-Year Water Supply Facilities Work Plan Update 2022 and Water Supply Related Comprehensive Plan Amendments

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

January 19, 2024

James Stansbury, Chief
Bureau of Comprehensive Planning
Department of Economic Opportunity
107 East Madison Street
Caldwell Bldg., MSC 160
Tallahassee, Florida 32399-4120

RE: Transmittal of North Bay Village Water Supply Plan and Comprehensive Plan Amendments after First Reading

Dear Mr. Stansbury:

North Bay Village ("the Village") is pleased to transmit this first reading package to include the above referenced Water Supply Plan and water supply related amendments.

This Water Supply Plan and associated Plan Amendments transmittal is being submitted pursuant to Section 163.3184(3), State Expedited Review Process. These items were considered during public hearings of the Village's LPA on December 6, 2023, and for First Reading on January 16, 2024, by the Village Commission.

The Village is not located in an area of critical state concern (Big Cypress, Green Swamp, Key West and the Florida Keys, Apalachicola Bay or Brevard Barrier Island Area); Orange, Lake or Seminole County, or; the Wekiva River Protection Area. The amendments are not adopted under a joint planning agreement.

As part of this submittal, we have included the following:

1. Agency Transmittal List
2. North Bay Village Commission Meeting Agenda 011624 (Item 12.B.)
3. Water Supply Plan Ordinance No. 2024-XX (First Reading)
4. Proposed Water Supply Plan
5. Water Supply Plan Sign-In Sheet (011624)

This submittal will be sent to all agencies on the Transmittal List and also be uploaded to the FLCommerce website.

Please contact me if you require further assistance with this matter at (786)485-5192 or adavid@cgasolutions.com.

Building Code Services
Civil Engineering / Roadway & Highway Design
Coastal Engineering
Code Enforcement
Construction Engineering & Inspection (CEI)
Construction Services
Data Technologies & Development
Electrical Engineering
Engineering
Environmental Services
Facilities Management
Geographic Information Systems (GIS)
Governmental Services
Indoor Air Quality
Landscape Architecture
Planning
Project Management
Redevelopment & Urban Design
Surveying & Mapping
Traffic Engineering
Transportation Planning
Water / Utilities Engineering
Website Development

2103 Coral Way
Suite 810
Miami, FL 33145
786.485.5200 phone
786.485.1520 fax

www.cgasolutions.com

Sincerely,



Alex A. David, Director
Miami-Dade Office | Planning
Planning Consultant to the Village

Attachments

cc: Barbara Powell, DEO
Jana Williams, DEO
Morgan Runion, Department of Education
Plan Review, Department of Environmental Protection
Alissa S. Lotane, Department of State
Shereen Yee Fong, Department of Transportation District Six
Isabel Cosio Carballo, South Florida Regional Planning Council
Kathe Lerch, South Florida Regional Planning Council
Althea Jefferson, South Florida Water Management District
Jerry H. Bell, Miami-Dade Regulatory and Economic Resources
David Snow, City of Miami
Thomas Mooney, City of Miami Beach
Ralph Rosado, Ph.D., AICP, North Bay Village
Silvia E. Vargas, FAICP, Calvin, Giordano & Associates
Alex A. David, AICP, Calvin, Giordano & Associates
Antonio Augello, Calvin, Giordano & Associates

North Bay Village
Agency Transmittal List

State and Regional Agencies

FloridaCommerce, Bureau of Comprehensive Planning and Growth
State Land Planning Agency
Caldwell Building
107 East Madison – MSC 160
Tallahassee, FL 32399-4120
Attention: James Stansbury, Chief
Email: James.Stansbury@Commerce.fl.gov and https://floridajobs.secure.force.com/cp/

FloridaCommerce
Bureau of Comprehensive Planning
107 East Madison Street
Caldwell Bldg., MSC 160
Tallahassee, FL 32399
Attention: Barbara Powell, Plan Processing Administrator
Email: barbara.powell@Commerce.fl.gov

Department of Education
Office of Education Facilities
325 West Gaines Street, Suite 1014
Tallahassee, FL 32399-0400
Attention: Morgan Runion
Email: CompPlans@fldoe.org

Department of Environmental Protection
Office of Intergovernmental Programs
2600 Blair Stone Road, Mail Station 47
Tallahassee, FL 32399-2400
Attention: Plan Review
Email: Plan.Review@dep.state.fl.us

Department of State
Bureau of Historic Preservation
500 South Bronough Street
Tallahassee, FL 32399-0250
Attention: Alissa S. Lotane, State Historic Preservation Officer
Email: CompliancePermits@DOS.MyFlorida.com

Department of Transportation, District Six
Intermodal Systems Development
1000 NW 111 Avenue, Room 611-A
Miami, FL 33172
Attention: Shereen Yee Fong, Transportation Planner IV
Email: Shereen.Yeefong@dot.state.fl.us

South Florida Regional Planning Council
One Oakwood Boulevard, Suite 221
Hollywood, FL 33020
Attention: Isabel Cosio Carballo, Executive Director
Email: isabelc@sfrpc.com, klerch@sfrpc.com and sfadmin@sfrpc.com

South Florida Water Management District
3301 Gun Club Road, MSC 4223
West Palm Beach, FL 33406
Attention: Althea Jefferson, AICP, Policy and Planning Analyst, Water Supply Coordination
Email: AJeffers@sfwmd.gov and SFLOCALGOVPLAN@sfwmd.gov

Local Agencies

Miami-Dade County
Department of Regulatory and Economic Resources, Planning Division
111 NW First Street, 12th Floor
Miami, FL 33128
Attention: Jerry H. Bell, AICP, Assistant Director for Planning
Email: jerry.bell@miamidade.gov

City of Miami
Planning Department
444 SW 2 Avenue
Miami, FL 33103
Attention: David Snow, Interim Planning Director
Email: dsnow@miamigov.com

City of Miami Beach
Planning Department
1700 Convention Center Drive
Miami Beach, FL 32139
Attention: Thomas Mooney, Planning Director
Email: thomasmooney@miamibeachfl.gov

North Bay Village
Village Manager
1666 Kennedy Causeway, 3rd Floor
North Bay Village, FL 33141
Attention: Ralph Rosado, Ph.D., AICP
Email: rrosado@nbvillage.com

North Bay Village
Planning and Zoning Department
2103 Coral Way, Suite 810
Miami, FL 33145
Attention: Silvia E. Vargas, FAICP, LEED AP, Village Planner
Email: svargas@CGASolutions.com

Calvin, Giordano & Associates
2103 Coral Way, Suite 810
Miami, FL 33145
Attention: Alex A. David, AICP
Email: adavid@CGASolutions.com

Calvin, Giordano & Associates
2103 Coral Way, Suite 810
Miami, FL 33145
Attention: Antonio Augello
Email: aaugello@CGASolutions.com

NORTH BAY VILLAGE
REGULAR VILLAGE COMMISSION MEETING
PUBLIC MEETING NOTICE

Tuesday, January 16, 2024 at 6:00 PM
1666 Kennedy Causeway, #101, North Bay Village, FL 33141
(In-person and virtual via Zoom. See below for details)

The meeting agenda is available online at:
https://northbayvillage-fl.gov/agendas-minutes

Elected Officials and Village staff will participate from the physical meeting location. Members of the public may attend the meeting in person at the physical meeting location, or, alternatively, may watch or call in to the meeting by following these instructions:

ATTEND THE MEETING IN PERSON AT THE PHYSICAL MEETING LOCATION: The meeting will be held in person at the physical meeting location stated above. Admission to the physical meeting location is on a first-come, first-serve basis and space is limited. Doors will open 30 minutes prior to the meeting start time. The Village highly encourages those in attendance to wear facial coverings and abide by social distancing as recommended by the CDC.
Watch the Public Meeting: https://northbayvillage-fl.gov/videos TV Channel 661 Facebook Live
Participate in the meeting via Zoom: Meeting ID: 853 9335 2557 Passcode: 984580
Listen via telephone to the Virtual Public Meeting: 1-305-224-1968 or 1-929-205-6099
For technical support during the meeting, please contact: (786) 309-4991

PUBLIC COMMENTS

Public comments will be accepted by the following means:

IN-PERSON COMMENTS: Members of the public may attend the meeting at the physical meeting location stated above and deliver their public comments in person during the public comment portion of the agenda.

VIRTUAL COMMENTS: ***Public comments will also be accepted during the meeting using the virtual meeting platform.***

VIA E-MAIL TO: publiccomment@nbvillage.com

Interested parties or their authorized representatives may address the Commission and/or Board via written or electronic commentary ("e-comments") by emailing the Village Clerk at least two (2) hours prior to the commencement of the meeting. E-comments will not be read during the meeting but will be distributed to the Village Commission or Board prior to the commencement of the meeting. You may send your concerns with the subject line "PUBLIC COMMENT" and the following information in the body of the email: your name, address, if you are a hired Consultant or Village Employee, and/or if you are engaged in lobbying activities and/or representing an organization.

PUBLIC RECORDS

The meeting will be recorded for later viewing and is a public record. Minutes of the meeting will be taken and will be made available.

IN ACCORDANCE WITH THE PROVISIONS OF SECTION 286.0105, FLORIDA STATUTES, ANYONE WISHING TO APPEAL ANY DECISION MADE BY VILLAGE COMMISSION, WITH RESPECT TO ANY MATTER CONSIDERED AT THIS MEETING OR HEARING, WILL NEED A RECORD OF THE PROCEEDINGS AND FOR SUCH PURPOSE, MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE WHICH RECORD SHALL INCLUDE THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. AGENDA ITEMS MAY BE VIEWED AT THE OFFICE OF THE VILLAGE CLERK, NORTH BAY VILLAGE, 1666 KENNEDY CAUSEWAY. ANYONE WISHING TO OBTAIN A COPY OF ANY AGENDA ITEM SHOULD CONTACT THE VILLAGE CLERK AT 305-756-7171 EXT 45. A COMPLETE AGENDA PACKET IS ALSO AVAILABLE ON THE VILLAGE WEBSITE AT www.northbayvillage-fl.gov.

THIS MEETING IS OPEN TO THE PUBLIC. IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990, ALL PERSONS THAT ARE DISABLED; WHO NEED SPECIAL ACCOMMODATIONS TO PARTICIPATE IN THIS MEETING BECAUSE OF THAT DISABILITY SHOULD CONTACT THE OFFICE OF THE VILLAGE CLERK AT 786-224-8070 NO LATER THAN FIVE DAYS PRIOR TO SUCH PROCEEDING. TO REQUEST THIS MATERIAL IN ACCESSIBLE FORMAT, SIGN LANGUAGE INTERPRETERS, INFORMATION ON ACCESS FOR PERSON WITH DISABILITIES, AND/OR ANY ACCOMMODATION TO REVIEW ANY DOCUMENT OR PARTICIPATE IN ANY VILLAGE-SPONSORED PROCEEDING, PLEASE CONTACT 786-224- 8070 FIVE DAYS IN ADVANCE TO INITIATE YOUR REQUEST. TTY USERS MAY ALSO CALL 711 (FLORIDA RELAY SERVICE).

LOBBYING ACTIVITIES

Any person who received compensation, remuneration or expenses for conducting lobbying activities is required to register as a lobbyist with the Village Clerk prior to engaging in lobbying activities per Village Code Sec. 38- 17. ""Lobbyist"" specifically includes the principal, as well as any agent, officer or employee of a principal, regardless of whether the lobbying activities fall within the normal scope of employment of the agent, officer or employee. The term ""lobbyist"" specifically excludes the following persons: lobbyists hired by the Village who are communication with Village personnel in the course of performing under their contracts; attorneys or other representatives retained to represent individuals and corporate entities in quasi-judicial proceedings where the law prohibits ex -parte communications; expert witnesses who only provide scientific, technical or other specialized information or testimony at public meetings; employees of the principal who do not engage in lobbying activities and representatives of non-profit organizations who only appear at publicly noticed meetings, without special compensation or reimbursement for the appearance, whether direct, indirect or contingent, to express support or opposition to any item.

Have questions or need additional information? E-mail: villageclerk@nbvillage.com

Call: 305-756-7171

North Bay Village

OFFICIAL AGENDA
REGULAR VILLAGE COMMISSION MEETING
1666 Kennedy Causeway, #101, North Bay Village, FL 33141
(In-person and virtual via Zoom. See below for details)
Meeting ID: 853 9335 2557 Passcode: 984580
Tuesday, January 16, 2024
6:00 PM

Decorum: Any person making impertinent or slanderous remarks or who becomes boisterous while addressing the board shall be barred from further appearance before the board by the presiding officer, unless permission to continue or again address the commission is granted by the majority vote of the commission members present. No clapping, applauding, heckling or verbal outbursts in support or opposition to a speaker or his or her remarks shall be permitted. Signs or placards may be disallowed in the commission chamber by the presiding officer. Persons exiting the commission chambers shall do so quietly.

Any person who received compensation, remuneration or expenses for conducting lobbying activities is required to register as a lobbyist with the Village Clerk prior to engaging in lobbying activities per Village Code Sec. 38- 17. "Lobbyist" specifically includes the principal, as well as any agent, officer or employee of a principal, regardless of whether the lobbying activities fall within the normal scope of employment of the agent, officer or employee. The term "lobbyist" specifically excludes the following persons: lobbyists hired by the Village who are communication with Village personnel in the course of performing under their contracts; attorneys or other representatives retained to represent individuals and corporate entities in quasi-judicial proceedings where the law prohibits ex-parte communications; expert witnesses who only provide scientific, technical or other specialized information or testimony at public meetings; employees of the principal who do not engage in lobbying activities and representatives of non-profit organizations who only appear at publicly noticed meetings, without special compensation or reimbursement for the appearance, whether direct, indirect or contingent, to express support or opposition to any item.

ADDENDUM NO. 1 - Released January 12, 2024
(Items in *red* contain updated information)

1. Opening Items
A. Call to Order
B. Roll Call
C. Pledge of Allegiance
D. Invocation

2. Order of Business

3. Presentations
A. Proclamations and Awards

B. Special Presentations to Commission

3.A. Recognition of Master Sergeant Peter Guevara and Sergeant Manuel Casais

4. Open Forum

5. Approval of Commission Minutes

6. Advisory Board Minutes/Written Reports.

7. Village Commission's Report

8. Village Attorney's Report

9. Village Manager's Report

9.A. Communications & Special Events Report (December 2023)

Comms-Events Report for December of 2023.pdf

9.B. Code Enforcement Report (December 2023)

Code Monthly Report December-2023.pdf

9.C. Police Accreditation Report (December 2023)

CFA Accreditation Progress Matrix for Dec 2023.pdf

9.D. Traffic Enforcement Report (December 2023)

Monthly Traffic Report (December 2023) - FINAL.pdf

9.E. Capital Improvement Report (December 2023)

Capital Improvement Projects Construction Summary.pdf

9.F. Stormwater Projects Report (December 2023)

10. Village Clerk's Report

10.A. Village Clerk's Report for December of 2023

PRR Log Dec. 2023.pdf

11. Consent Agenda

A. Staff Items

B. Proclamation/Award/Village Key Requests

11.A. A Resolution Approving a Contract with The Monestime Firm (Regine

Monestime, Esq.) for Special Master Services - Village Manager Ralph Rosado, Ph.D., AICP (Orlando Rodriguez, Code Enforcement Director)

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, APPROVING AN AGREEMENT WITH THE MONESTIME FIRM FOR SPECIAL MASTER SERVICES; PROVIDING FOR AUTHORIZATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission Approve the Agreement with The Monestime Firm for Special Master Services.

Resolution -Agreement with The Monestime Firm - SM Services.pdf
Special Master Agreement - The Monestime Firm.pdf
Monestime Resume 12.23.pdf
Municipal Special Magistrate Rates 2023.pdf

11.B. A Resolution Authorizing Participation in a Lawsuit Seeking Declaration that Provisions of §112.144(1)(d), Florida Statutes, that Require Municipal Elected Officials to File Form 6 Financial Disclosure Forms is Unconstitutional and Invalid

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING PARTICIPATION IN A LAWSUIT SEEKING A DECLARATION THAT THE PROVISIONS OF SECTION 112.144(1) (d), FLORIDA STATUTES, THAT REQUIRE MUNICIPAL ELECTED OFFICIALS TO FILE FORM 6 FINANCIAL DISCLOSURE FORMS IS UNCONSTITUTIONAL AND INVALID, AND PROVIDING FOR AN EFFECTIVE DATE.

Resolution Authorizing Form 6 Litigation.pdf

11.C. A Resolution Approving a Agreement with Soccer For Peace Foundation, Inc. dba Futbol Con Corazon (FCC USA) in the Amount of $15,840 for Soccer Programming Services - Sponsored by Mayor Brent Latham

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, APPROVING AN AGREEMENT WITH SOCCER FOR PEACE FOUNDATION, INC. D/B/A FUTBOL CON CORAZON (FCC USA) FOR AFTER SCHOOL CARE AND YOUTH MENTORSHIP INITIATIVES IN AN AMOUNT NOT TO EXCEED $15,840 FOR THE TERM AND IN AN AMOUNT NOT TO EXCEED BUDGETED FUNDS FOR ANY RENEWAL TERMS; WAIVING COMPETITIVE BIDDING; PROVIDING FOR AUTHORIZATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve the professional services agreement with Soccer For Peace Foundation Inc. (Futbol Con Corazon) for Soccer Programming Services.

Resolution Approving Soccer for Peace-FCC
Agreement. Exhibit A - Agreement for - FCC Futbol.pdf
FCC Pedagogical Methodology.pdf

11.D. A Resolution Approving a Contract Award for Invitation to Bid 2023-007 to Dock & Marine Construction Corporation for the Construction of the Vogel Park Marine Facility in the Amount of $457,067.52 - Village Manager Ralph Rosado, PhD, AICP (CIP Manager Delroy Peters)

A RESOLUTION OF THE COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AWARDING INVITATION TO BID NO. 2023-007 TO DOCK & MARINE CONSTRUCTION CORP FOR CONSTRUCTION SERVICES FOR THE VOGEL PARK MARINE FACILITY PROJECT IN AN AMOUNT NOT TO EXCEED $457,067.52; AUTHORIZING THE VILLAGE MANAGER TO NEGOTIATE AND EXECUTE A CONSTRUCTION CONTRACT; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve a Resolution for a Contract Award to Dock & Marine Construction Corporation for the construction of the Vogel Park Marine Facility in the amount of $457,067.52.

Resolution ITB 2023-007 Vogel Park Marine Facility
Exhibit A - Construction Contract Vogel Park Marine Facility.docx
ITB 2023-007 Vogel Park.pdf
Dock & Marine Construction Corp ITB2023-007 Bid Response.pdf
Vogel Park Marine Facility Bid Tabulation-ITB 2023-007 01.08.24.pdf

11.E. A Resolution Authorizing Work Order No. 015 with Stantec Consulting Services, Inc. in the Amount of $52,816.00 to Provide Construction Engineering Inspection (CEI) Services for the Vogel Park Marine Facility Project - Village Manager Ralph Rosado, PhD, AICP (CIP Manager Delroy Peters)

A RESOLUTION OF THE COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE ISSUANCE OF WORK ORDER NO. 015 TO STANTEC CONSULTING SERVICES, INC. FOR CONSTRUCTION ENGINEERING INSPECTION (CEI) SERVICES FOR THE VOGEL PARK MARINE FACILITY PROJECT IN AN AMOUNT NOT TO EXCEED $52,816.00; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission authorize a work order with Stantec Consulting Services, Inc. to undertake construction engineering services for the Vogel Park Marine Facility project.

Resolution Stantec WO - Vogel Park Project
WO 015-Vogel-Park-CEI.pdf

11.F. A Resolution Ratifying Emergency Repairs to the Public Works Sanitation Truck #1802 in the Amount of $21,998.40 - Village Manager Ralph Rosado, Ph.D.,

AICP (Public Works Director Marlon Lobban)

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, RATIFYING THE EMERGENCY PURCHASE OF REPAIR SERVICES FOR SANITATION TRUCK #1802 FROM NEXTRAN CORPORATION D/B/A NEXTRAN TRUCK CENTERS - MIAMI IN AN AMOUNT NOT TO EXCEED $21,998.40; PROVIDING FOR AUTHORIZATION; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve the resolution and ratify the emergency purchase for repairs to sanitation truck #1802 from Nextran Corporation in accordance with Invoice #07W20793 in the amount of $21,998.40.

Resolution Ratifying Emergency Repairs Truck# 1802
Exhibit A - Nextran Repair Invoice

11.G. A Resolution Approving an Agreement with Carr, Riggs, & Ingram LLC (CRI) for Accounting Consulting Services in an Amount Not to Exceed $50,000 - Village Manager Ralph Rosado, Ph.D., AICP (Chief Financial Officer Angela Atkinson)

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, APPROVING A PROFESSIONAL SERVICES AGREEMENT WITH CARR, RIGGS, & INGRAM LLC FOR ACCOUNTING CONSULTING IN AN AMOUNT NOT TO EXCEED BUDGETED FUNDS; PROVIDING FOR AUTHORIZATION; AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission approve the proposed agreement with Carr, Riggs, & Ingram LLC for Accounting Consulting services.

Resolution - PSA Carr Riggs & Ingram for Accounting Consulting Srvs
Exhibit A - PSA- Carr Riggs & Ingram-Accounting Consulting Srvs.pdf
Exhibit B- Budget Amendment Form-CRI.pdf E-Verify MOU - CRI.pdf

12. First Reading of Ordinances

Please be advised that if you wish to comment upon any of these quasi-judicial items, please inform the Mayor during public comments. An opportunity for persons to speak on each item will be made available after the applicant and staff have made their presentations on each item. All testimony, including public testimony and evidence, will be made under oath or affirmation. Additionally, each person who gives testimony may be subject to crossexamination. If you refuse to be cross-examined or sworn-in, your testimony will be given its due weight. The general public will not be permitted to cross-examine witnesses, but the public may request the Commission ask questions of staff or witnesses on their behalf. Persons representing organizations must present evidence of their authority to speak for the organization. Further, details of the quasi-judicial procedures may be obtained from the Village Clerk.

12.A. An Ordinance Comprehensively Updating the Unified Land Development Code - Village Manager Ralph Rosado, Ph.D., AICP (Village Planner Silvia E. Vargas,

FAICP)

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, COMPREHENSIVELY UPDATING THE UNIFIED LAND DEVELOPMENT CODE; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Suggested Action: Approve the proposed ordinance on first reading as presented by Staff.

1 - Ordinance 2024-XX- ULDC Clean Up.docx
2 Exhibit A ULDC Clean Up 1st reading
01.02.24.pdf Notice of Public Hearing- DBR

12.B. An Ordinance Adopting an Amendment to the Village's Water Supply Facilities Work Plan - Village Manager Ralph Rosado, Ph.D., AICP (Consulting Planner Alex David, AICP through Village Planner Silvia E. Vargas, FAICP)

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ADOPTING AN AMENDMENT TO THE WATER SUPPLY FACILITIES WORK PLAN; PROVIDING FOR TRANSMITTAL; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

Suggested Action: To adopt to the proposed "10 -Year Water Supply Facilities Work Plan Update 2022," as presented by Staff, including both text and map amendments and as recommended by the Planning and Zoning Board.

Attachment 1 Proposed Water Supply Plan.pdf
Attachment_2 Ordinance WSP Amend.pdf
Notice of Public Hearing- DBR

13. Public Hearings

Please be advised that if you wish to comment upon any of these quasi-judicial items, please inform the Mayor during public comments. An opportunity for persons to speak on each item will be made available after the applicant and staff have made their presentations on each item. All testimony, including public testimony and evidence, will be made under oath or affirmation. Additionally, each person who gives testimony may be subject to cross-examination. If you refuse to be cross-examined or sworn-in, your testimony will be given its due weight. The general public will not be permitted to cross-examine witnesses, but the public may request the Commission ask questions of staff or witnesses on their behalf. Persons representing organizations must present evidence of their authority to speak for the organization. Further, details of the quasi-judicial procedures may be obtained from the Village Clerk.

13.A. An Ordinance Regulating Electronic Campaign Finance Reports - Village Attorney Haydee Sera

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, CREATING SECTION 34.9, "CAMPAIGN FINANCE

REPORTS," OF THE VILLAGE CODE OF ORDINANCES TO PROVIDE REGULATIONS FOR ELECTRONIC CAMPAIGN FINANCE REPORTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; PROVIDING FOR CONFLICTS; AND PROVIDING FOR AN EFFECTIVE DATE.

Ordinance Section 34.9 E-Campaign Reporting.DOC Memo - Ordinance Creating Section 34.9, Campaign Finance Reports.pdf Notice of PH - 1.3.24.pdf

14. Discussion/Action Items

A. Unfinished Business

B. New Business

14.A. Discussion of Workforce Housing Program Options - Village Manager Ralph Rosado, PhD, AICP

Provide direction regarding the potential program priorities for the use of the new North Bay Village Workforce Housing Trust Fund.

Memo of Potential Workforce Housing Program .pdf

14.B. A Resolution Authorizing Payment of Legal Bills in Ethics Defense

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE PAYMENT FOR LEGAL SERVICES RELATING TO THE LEGAL DEFENSE OF MAYOR BRENT LATHAM BEFORE THE MIAMI-DADE COUNTY COMMISSION ON ETHICS AND PUBLIC TRUST; AUTHORIZING ADDITIONAL PAYMENTS IN AN AMOUNT NOT TO EXCEED BUDGETED FUNDS; AMENDING THE BUDGET FOR FISCAL YEAR 2023-2024; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Memo re Reimbursement of Ethics Legal Defense Fees 011224.pdf
Attachment 1 - C 22-60-10 Notification of Complaint Filed.pdf
Attachment 2 - C 22-60-10 Probable Cause Memorandum.pdf
Attachment 3 - C 22-60-10 Signed Public Report and Final Order.pdf
Attachment 4 - C 22-60-10 Mayor's Petition for Sanctions.pdf
Attachment 5 - C 22-60-10 Powell's Motion to Dismiss Mayor's Petition for Sanctions and Attorneys Fees.pdf
Reso- Payt. of Mayor's Legal Fees in Ethics Defense.DOCX
Resolution Exhibit A - Budget Amendment - Mayor's Legal Fees.pdf

14.C. Discussion and Status Update on the 7918 West Drive Project

15. Adjournment

THIS MEETING IS OPEN TO THE PUBLIC. IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990, ALL PERSONS THAT ARE DISABLED; WHO NEED SPECIAL ACCOMMODATIONS TO PARTICIPATE IN THIS MEETING BECAUSE OF THAT DISABILITY SHOULD CONTACT THE OFFICE OF THE VILLAGE CLERK AT 305-756-7171 EXT. 45 NO LATER THAN FOUR DAYS PRIOR TO SUCH PROCEEDING.

IN ACCORDANCE WITH THE PROVISIONS OF SECTION 286.0105, FLORIDA STATUTES, ANYONE WISHING TO APPEAL ANY DECISION MADE BY VILLAGE COMMISSION, WITH RESPECT TO ANY MATTER CONSIDERED AT THIS MEETING OR HEARING, WILL NEED A RECORD OF THE PROCEEDINGS AND FOR SUCH PURPOSE, MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE WHICH RECORD SHALL INCLUDE THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. AGENDA ITEMS MAY BE VIEWED AT THE OFFICE OF THE VILLAGE CLERK, NORTH BAY VILLAGE, 1666 KENNEDY CAUSEWAY. ANYONE WISHING TO OBTAIN A COPY OF ANY AGENDA ITEM SHOULD CONTACT THE VILLAGE CLERK AT 305-756-7171 EXT 45. A COMPLETE AGENDA PACKET IS ALSO AVAILABLE ON THE VILLAGE WEBSITE AT www.nbvillage.com.

TO REQUEST THIS MATERIAL IN ACCESSIBLE FORMAT, SIGN LANGUAGE INTERPRETERS, INFORMATION ON ACCESS FOR PERSON WITH DISABILITIES, AND/OR ANY ACCOMMODATION TO REVIEW ANY DOCUMENT OR PARTICIPATE IN ANY VILLAGE-SPONSORED PROCEEDING, PLEASE CONTACT (305) 756-7171 FIVE DAYS IN ADVANCE TO INITIATE YOUR REQUEST. TTY USERS MAY ALSO CALL 711 (FLORIDA RELAY SERVICE).

ORDINANCE NO. 2024- _____

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ADOPTING AN AMENDMENT TO THE WATER SUPPLY FACILITIES WORK PLAN; PROVIDING FOR TRANSMITTAL; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Section 163.3167(9), Florida Statutes requires all local governments to address in its comprehensive plan, the water supply sources necessary to achieve the existing and projected water use demand for an established planning period; and

WHEREAS, Section 163.3177(4)(a), Florida Statutes requires coordination of the local comprehensive plan with the applicable water management district's regional water supply plan; and

WHEREAS, North Bay Village (the "Village") recognizes the need for integration between land use planning and water supply planning; and

WHEREAS, Section 163.3177(6)(c), Florida Statutes requires that local governments prepare and adopt a water supply facilities work plan covering at least a ten (10) year planning period and amend their comprehensive plan within eighteen (18) months after the applicable regional water management district approves a regional water supply plan or its update; and

WHEREAS, South Florida Water Management District updated and approved its regional water supply plan entitled the Lower East Coast Water Supply Plan ("LEC") on November 8, 2018; and

WHEREAS, since November 8, 2018, the Village has reviewed and proposes to now adopt amendments to its Water Supply Facilities Work Plan and related amendments in its Comprehensive Plan in order to comply with Florida law; and

WHEREAS, on _____, 202_, the Planning and Zoning Board, sitting in its capacity as the Local Planning Agency, reviewed this Ordinance and recommended _____; and

WHEREAS, the modifications provided herein are consistent with the Village's Comprehensive Plan and the Florida Community Planning Act; and

WHEREAS, this Ordinance was duly noticed and presented to the Village Commission in two readings, with second reading conducted as the required public hearing on_____, 2024; and

WHEREAS, the Village Commission finds that this proposed Ordinance serves to further enhance the protection of the community's public health, safety, and welfare.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND VILLAGE COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:[1]

Section 1. **Recitals.** That the above recitals are confirmed, adopted, and incorporated herein and made a part hereof by reference.

Section 2. **Water Supply Facility Plan Amendments Adopted.** The Village Commission hereby adopts the 10-Year Water Supply Facilities Work Plan (2022) Update, attached as Exhibit "A."

Section 3. **Transmittal.** The Village Planner is authorized to transmit the Water Supply Facilities Work Plan Update adopted by this Ordinance to the Florida Commerce Department (formerly "DEO") and all other units of local government or governmental agencies required by Florida Statutes, Section 163.3184.

Section 4. **Conflicts.** All ordinances or parts of ordinances, and all Resolutions, or parts of Resolutions, in conflict with this Ordinance are repealed to the extent of such conflict.

Section 5. **Severability.** That the provisions of this Ordinance are declared to be severable and if any section, sentence, clause or phrase of this Ordinance shall for any reason be held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining sections, sentences, clauses, and phrases of this Ordinance but they shall remain in effect, it being the legislative intent that this Ordinance shall stand notwithstanding the invalidity of any part.

Section 6. **Effective Date.** That this Ordinance shall be effective immediately upon passage by the Village Commission on second reading, except that the effective date of the comprehensive plan amendments approved by this Ordinance shall be the date a final order is issued by the Florida DEO or Administrative Council finding the plan amendments in compliance in accordance with Section 163.3184, Florida Statutes, whichever occurs earlier. The Florida Commerce notice of intent to find the plan amendments in compliance shall be deemed to be the final order if no timely petition challenging the plan amendment is filed.

PASSED on first reading on the ____ of _____, 2023.

PASSED AND ADOPTED on second reading on the ____ day of_____, 2024.

_____
Brent Latham, Mayor

[1] Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes between first and second reading are indicated with ~~double strikethrough~~ and double underline.

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Weiss Serota Helfman Cole & Bierman, P.L.
Village Attorney

First Reading:
Moved By: _____
Seconded By: _____

Second Reading:
Moved By: _____
Seconded By: _____

Vote on Final Adoption:

Mayor Brent Latham	_____
Vice Mayor Richard Chervony	_____
Commissioner Goran Cuk	_____
Commissioner Andy Daro	_____
Commissioner Rachel Streitfeld	_____

EXHIBIT A

10-Year Water Supply Facilities Work Plan Update 2022 and Water Supply Related Comprehensive Plan Amendments

NORTH BAY VILLAGE, FLORIDA

10-YEAR WATER SUPPLY FACILITIES WORK PLAN UPDATE ~~2015~~ 2022



FIRST READING: January 16, 2024
ADOPTED:

Prepared by:

Calvin, Giordano & Associates, Inc.
A SAFEbuilt COMPANY

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APPENDIX A: MDWASD 10-Year Water Supply Facilities Work Plan (April 2022)

1.0 INTRODUCTION

The purpose of North Bay Village's Water Supply Facilities 10-Year Water Supply Facilities Work Plan Update (Work Plan Update) is to identify and plan for the water supply sources and facilities needed to serve existing and new development within the local government's jurisdiction. Chapter 163, Part II, F.S., requires local governments to prepare and adopt Work Plans into their comprehensive plans within 18 months after the water management district approves a regional water supply plan or its update. The *Lower East Coast Water Supply Plan ~~2nd~~ 3rd Update* was approved by the South Florida Water Management District (SFWMD) Governing Board ~~in 2013~~ on November 8, 2018, while Miami-Dade County's 10-Year Water Supply Facilities Work Plan Update was adopted April 2022 and corresponding CDMP Text Amendments adopted on January 19, 2023.

Residents of North Bay Village obtain their water directly from the Miami-Dade County Water and Sewer Department (MDWASD) through a wholesale agreement, which is responsible for ensuring that enough capacity is available for existing and future customers.

The North Bay Village Work Plan Update will reference the initiatives already identified in the most current Miami-Dade County ~~2~~10-Year Work Plan since the Village is a wholesale buyer. According to state guidelines, the Work Plan Update and the Comprehensive Plan amendment must address the development of traditional and alternative water supplies, bulk sales agreements, and conservation and reuse programs that are necessary to serve existing and new development for at least a 10-year planning period. The North Bay Village Work Plan Update will have the same planning ~~time schedule~~ horizon as Miami-Dade County's ~~2~~10-Year Work Plan and will be adopted by reference in the infrastructure sub-element of the Comprehensive Plan.

North Bay Village has recognized the importance of water conservation through the Village's Comprehensive Plan. The Village acknowledges that to maintain a proactive water conservation program there has to be an effective coordination program with Miami-Dade County Water and Sewer Department (MDWASD) to ensure the success of the program. In addition, the Village maintains an excellent working relationship with WASD as a wholesale customer to ensure compliance with all applicable regulations and guidelines.

The Village's Work Plan Update is divided into ~~five~~ seven sections:

Section 1 – Introduction
Section 2 – Background Information
Section 3 – Data and Analysis
Section 4 – Intergovernmental Coordination
Section 4 5 – Capital Improvements
Section 6 – Climate Change and Sea Level Rise
Section ~~5~~ 7 – Comprehensive Plan; Goals, Objectives and Policies

1.1 Statutory History

The Florida Legislature enacted bills in the 2002, 2004, ~~and~~ 2005, 2011, 2012, 2015 and 2016 sessions to address the state's water supply needs. These bills, especially Senate Bills 360 and 444 (2005 legislative session), significantly changed Chapters 163 and 373 Florida Statutes (F.S.) by strengthening the statutory links between the regional water supply plans

prepared by the water management districts and the comprehensive plans prepared by local governments. In addition, these bills established the basis for improving coordination between the local land use planning and water supply planning. ~~Additional legislation in 2011, under the Community Planning Act, lessened some specific and detailed requirements for water supply plans.~~

In 2005, lawmakers revised state water law, Section 373.707, F.S., and created the Water Resource Protection and Sustainability Program, which requires a higher level of water supply planning coordination between water management districts and local governments.

Effective July 1, 2010, the Florida legislature passed an amendment to Section 373.707, F.S., which concerns water management district funding of alternative water supply projects. The legislation added "water conservation projects that result in quantifiable water savings" to those projects eligible for funding,

In 2011, the Florida Legislature updated Chapter 163, Part II, F.S., to include The *Community Planning Act* (163.3164, F.S.), which addresses the state's water supply needs. The Act requires each municipality and county to adopt and maintain a comprehensive plan. In Florida, all proposed and approved development in the community must be consistent with the comprehensive plan. In terms of water supply planning, information about state requirements for local government comprehensive plans is available in each regional water supply plan update,

As of June 2012, 90 percent of all local governments within the SFWMD developed and formally submitted their Water Supply Facilities Work Plans. The development of these plans has assisted the SFWMD in coordinating future water supply planning and permitting with local government land use planning.

<u>The 2012, 2015 and 2016 Statutory changes clarified certain language which does not materially impact the Village.</u>

However, ~~that and subsequent~~ <u>these</u> legislati~~on~~<u>ve amendments</u> has<u>ve</u> not negated the requirement for local governments to provide an appropriate Water Supply Facilities Work Plan Update in a timely manner.

1.2 Statutory Requirements

Each local government must comply with the following requirements:

1. Coordinate appropriate aspects of its comprehensive plan with the appropriate water management district's regional water supply plan, [163.3177(4)(a), F.S.]

2. Ensure that its future land use plan is based upon availability of adequate water supplies and public facilities and services [s.163.3177(6)(a), F.S. <u>Data and analysis demonstrating that adequate water supplies and associated public facilities will be available to meet projected growth demands must accompany all proposed Future Land Use Map amendments submitted for review.</u>

3. Ensure that adequate water supplies and facilities are available to serve new development no later than the date on which the local government anticipates issuing

a certificate of occupancy or its functional equivalent and consult with the applicable water supplier prior to approving building permit, to determine whether adequate water supplies will be available to serve the development by the anticipated issuance date of the certificate of occupancy [s.163.3180 (2), F.S.,

4. For local governments subject to a regional water supply plan, revise the general Sanitary Sewer, Solid Waste, Drainage, Potable Water, and Natural Groundwater Aquifer Recharge Element (the "Infrastructure Element"), within 18 months after the water management district approves an updated regional water supply plan, to:
    a. Identify and incorporate the alternative water supply project(s) selected by the local government from projects identified in the updated regional water supply plan, or the alternative project proposed by the local government under s. 373.0361(7), F.S. [s. 163.3177(6)(c)(3), F.S.];
    b. Identify the traditional and alternative water supply projects, bulk sales agreements, and the conservation and reuse programs necessary to meet current and future water use demands within the local government's jurisdiction [s. 163.3177(6)(c)(3), F.S.]; and
    c. Include a water supply facilities work plan for at least a 10-year planning period for constructing the public, private, and regional water supply facilities identified in the element as necessary to serve existing and new development. [s. 163.3177(6)(c), F.S.];

5. Revise the Five-Year Schedule of Capital Improvements to include any water supply, reuse, and conservation projects and programs to be implemented during the five-year period.

6. To the extent necessary to maintain internal consistency after making changes described in Paragraph 1 through 5 above, revise the Conservation Element to assess projected water needs and sources for at least a 10-year planning period, considering the appropriate regional water supply plan, the applicable District Water Management Plan, as well as applicable consumptive use permit(s). [s.163.3177 (6)(d), F.S.] If the established planning period of a comprehensive plan is greater than ten years, the plan must address the water supply sources necessary to meet and achieve the existing and projected water use demand for established planning period, considering the appropriate regional water supply plan. [s.163.3167 (13), F.S.];

7. To the extent necessary to maintain internal consistency after making changes described in Paragraphs 1 through 5 above, revise the Intergovernmental Coordination Element to ensure coordination of the comprehensive plan with applicable regional water supply plans and regional water supply authorities' plans. [s.163.3177(6)(h)1., F.S.]

8. While an Evaluation and Appraisal Report is not required, local governments are encouraged to comprehensively evaluate, and as necessary, update comprehensive plans to reflect changes in local conditions. The evaluation could address the extent to which the local government has implemented the need to update their Work Plan, including the development of alternative water supplies, and determine whether the identified alternative water supply projects, traditional water supply projects, and

conservation and reuse programs are meeting local water use demands [s.163.3181(3), F.S.].

9. A local government that does not own, operate, or maintain its own water supply facilities, including, but not limited to, wells, treatment facilities, and distribution infrastructure, and is served by a public water utility with a permitted allocation of greater than 300 million gallons per day is not required to amend its comprehensive plan in response to an updated regional water supply plan or to maintain a work plan if any such local government's usage of water constitutes less than 1 percent of the public water utility's total permitted allocation. However, any such local government is required to cooperate with, and provide relevant data to, any local government or utility provider that provides and natural groundwater aquifer recharge element updated in accordance with s. 163.3191. Any local government may verify its qualifications for the exemption with the Florida Department of Economic Opportunity (DEO) [s. 163.3177(6)(c)4., F.S.].

2.0 BACKGROUND INFORMATION

2.1 Overview

North Bay Village was incorporated in 1945 followed by the annexation of Harbor and Treasure Island a few years later and the annexation of Broadcast Key in 1963. The three-island community (North Bay Island, Harbor Island and Treasure Island) is situated in northeast Miami-Dade County between the cities of Miami and Miami Beach in Biscayne Bay. The islands are linked by the John F. Kennedy Causeway (79th Street), which extends across the ~~Biscayne~~ Bay from Miami to Miami Beach. ~~The north edge of the municipality is the Biscayne Bay. The southern boundary is Bay Terrace (North Bay Island) and South Treasure Drive (Treasure Island). The western boundary is Miami View Drive (North Bay Island) and West Drive (Harbor Island) while the eastern boundary is East Treasure Drive (Treasure Island).~~

The total incorporated area of North Bay Village is approximately 512 acres of which 238 acres are land and the remaining is ~~riparian~~ water. Of the 238 land acres, North Bay Island is 40.6 acres, Harbor Island is 44.8 acres and Treasure Island is 152.8 acres.

North Bay Village is substantially built-out; however, redevelopment has become a factor with ~~several~~ multi-family development approvals occurring over ~~the last two years~~ that ~~may~~ will affect population and land use. See Table 2-1 for the existing land use distributions.

The population data utilized for North Bay Village for this Update is based on the ~~most current and accurate data available from the U.S. Census Bureau and the Shimberg Center for Affordable Housing at the University of Florida. Table 2-2 reflects US Census population estimates starting in 2010~~ population projections data found in the Miami-Dade County 10-Year Water Supply Facilities Work Plan Update (Exhibit C-3) (See Table 2-2 below).

Table 2-1 Existing Land Use in North Bay Village

Land Use	Acres	Percent
Single Family Residential	70.7	29.8
Multi-Family Residential	65.3	27.7
Commercial	27.1	11.4
Educational	12.9	5.4

Public Buildings and Grounds	1.7	0.7
Institutional	3.7	1.6
Vacant	8.2	3.2
Recreation and Open Space	0.6	0.2
Rights-of-Way	48.0	20.2
Source: North Bay Village 2015 Comprehensive Plan.		

~~Table 2-2 North Bay Village US Census Population Count and Estimates~~						
	~~Census~~	~~Population Estimates (as of July 1)~~				
~~Year~~	~~April 1, 2010~~	~~2010~~	~~2011~~	~~2012~~	~~2013~~	~~2014~~
~~Population~~	~~7,137~~	~~7,167~~	~~7,349~~	~~7,417~~	~~7,464~~	~~7,871~~
~~Source: US Census Bureau, September 2015~~						

~~Table 2-3 North Bay Village Population Projections~~						
~~Year~~	~~2015~~	~~2020~~	~~2025~~	~~2030~~	~~2035~~	~~2040~~
~~Population~~	~~7861~~	~~8430~~	~~8965~~	~~9423~~	~~9827~~	~~10221~~
~~Source: Shimberg Center for Affordable Housing, 2015~~						

Table 2-2 North Bay Village Population Projections					
Year	2020	2025	2030	2035	2040
Population	8,079	8,669	9,258	9,848	10,437
Source: MDWASD 10-Year Water Supply Facilities Work Plan Update					

2.2 Relevant Public Water Supply Issues

The Lower East Coast, LEC, Planning Area traditionally has relied on fresh groundwater from the Surficial Aquifer System, SAS, and fresh surface water *from Lake Okeechobee* as the primary water source for urban, agricultural, and industrial uses. In many areas of the LEC Planning Area, development of these sources has been maximized due to potential impacts on the regional system, wetlands, existing water users, and the potential for saltwater intrusion. *As population and water demand increased, the development of other water source options also increased*. Therefore, new or increased allocations from these freshwater sources will be reviewed on an application-by-application basis to determine if a project meets the consumptive use permitting criteria. As a result, diversification of water supply sources, such as use of the upper Floridan aquifer, increased storage, reclaimed water, and appropriate water conservation has been occurring in the LEC Planning Area and is expected to continue to occur in the future. The source options are dependent on location, use type, demand, regulatory requirements, and cost.

Additionally, Southeast Florida is one of the most vulnerable regions to the impacts of climate change and sea level rise as a result of our flat topography, porous limestone geology, and dense coastal development. Climate change and sea level rise are expected to present

significant challenges relating to water resource planning, management and infrastructure for the counties located in south Florida, including Broward, Miami-Dade, Monroe, and Palm Beach Counties. The primary concern to water supply is saltwater intrusion into the freshwater Biscayne aquifer, the primary source of drinking water in Miami-Dade County. Local governments and water utilities in the southeast Florida region have formalized the integration of water supply and climate change considerations as part of coordinated planning efforts, including updates to local government and water utility 10-year Water Supply Facility Work Plans and enhancements to local government's Comprehensive Plans. Key considerations for communities within the four County Compact planning area include: 1) sea level rise, 2) saltwater intrusion, 3) extreme weather, and 4) infrastructure investments to support diversification and sustainability of water supply sources, and adaptive storm water and wastewater systems. Results of evaluation and data analysis completed to date indicate that within the next thirty years MDWASD will be able to operate well fields and water treatment facilities as designed, as groundwater modeling indicates even with a high level of projected sea level rise, these well fields will not be impacted by saltwater intrusion. Further modeling is currently underway to extend the planning scenarios fifty years out and will include climate changes such as increases and decreases in annual precipitation, and extreme weather events.

Regional issues that affect the Village include minimizing pressure on the Everglades and Biscayne Bay ecosystems and Biscayne and Floridan Aquifers. To that end, the Comprehensive Everglades Restoration Plan (CERP) is providing the foundation for one of the largest ecosystem restoration projects in the world. The SFWMD and the US Army Corps of Engineers have partnered to restore, protect and preserve the water resources of central and southern Florida, including the Everglades. Various projects under CERP help ensure the proper quantity, quality, timing, and distribution of waters to the Everglades and all South Florida. The goal of CERP is to capture fresh water that now flows unused to the Atlantic Ocean and the Gulf of Mexico redirect it to areas that need it most.

The SFWMD’s priorities have focused on creating Water reservation rules to facilitate construction of CERP project components. The Village is in support of CERP and other restoration projects listed in the 2018 Lower East Coast (LEC) Water Supply Plan Update that further the Northern/Southern Everglades 20-year commitment to Everglades restoration, including the C-111 South Dade, C-111 Spreader, Biscayne Bay Coastal Wetland BBCW L-31 East Flow-way, BBCW Deering Estate and BBCW Cutler Wetlands projects.

As the state agency responsible for water supply in the Lower East Coast (LEC) planning area, the SFWMD plays a pivotal role in resource protection, through critical evaluation during the consumptive use permitting process. In response to increased pressure on the Everglades ecosystem resource, the Governing Board initiated rulemaking to limit increased allocations dependent on the Everglades system. As a result, the Regional Water Availability Rule was adopted by the Governing Board on February 15, 2007 as part of the SFWMD's water use permit program. This new rule making system reduced reliance on the regional system for future water supply needs, mandating the development of alternative water supplies, and increasing conservation and reuse.

~~The 2013 Lower East Coast Water Supply Plan Update (LEC Plan) represents a departure~~

~~from the demand projections in the 2000 LEC Plan and the 2005–2006 LEC Plan Update. Subsequent to approval of the 2005– 2006 LEC Plan Update in February 2007, the nation's economy fell into a long recession that had significant impacts on regional water supply planning, lowering population and demand forecasts. The dramatic slowdown in population growth occurred at the same time that consumption of potable water declined as measured in gallons per person per day. Likely reasons for this decrease in public water supply (PWS) consumption include short-term water shortage restrictions in response to droughts, long-term water conservation projects including SFWMD's year-round landscape irrigation conservation measures, and increased use of reclaimed water. Local actions, such as implementation by Broward and Miami-Dade counties of ordinances limiting landscape irrigation to two days per week, the Broward County Water Conservation Partnership, and individual utility conservation programs, have been key in lowering the water use rate. An indication of the resulting trend is the LEC Planning Area's population grew by 600,000 people between 2000 and 2010, but total potable water use declined by 87 million gallons per day (MGD) (10 percent) during the same decade.~~

~~The 2013 LEC Plan's twenty-year population and PWS demand forecasts are lower than the two previous plans' projections. Projections developed indicate the planning area's population will increase over 18 percent, from approximately 5.6 million residents in 2010 to slightly more than 6.6 million by 2030. In contrast, the 2005–2006 LEC Plan Update projected the planning area's population to increase over 31 percent, to 7.3 million by 2025. The projected population growth varies widely between the counties: Palm Beach County (+25 percent), Broward County (+14 percent), Miami-Dade County (+18 percent), and Monroe County (-5 percent).~~

Even with an ever-increasing population, withdrawals from the Aquifers will be limited, greater conservation will be required to reduce per capita use; and reclaimed water must continue to be an important alternative water source per the 2008 Leah G. Schad Ocean Outfall Program. The Village does not have any domestic wastewater facilities which discharge to the ocean but supports Miami-Dade County efforts in reducing wastewater outflows and providing for reuse.

The 2018 Lower East Coast Water Supply Plan Update notes that a number of utilities have diversified their water supplies, including treatment and storage technologies, and water conservation programs. These alternatives include constructing brackish Floridan aquifer wells and reverse osmosis treatment plants, reclaimed water treatment and distribution facilities, and aquifer storage and recovery systems.

From FY2013 to FY2018, the SFWMD provided more than $3 million in alternative water supply funding for 11 projects in the LEC Planning Area. Funded projects created 9.25 million gallons per day (mgd) of new reclaimed water capacity and 4.19 mgd of additional reclaimed water distribution or storage in the LEC Planning Area.

The 2018 Lower East Coast Water Supply Plan Update water supply major issues are as follows: 1. Fresh surface water and groundwater are limited; further withdrawals could have impacts on the regional system, wetlands, existing legal uses, and saltwater intrusion. As a result, additional alternative water supplies need to be developed. 2. Surface water allocations from Lake Okeechobee and the Water Conservation Areas are limited in

accordance with the Lake Okeechobee Service Area RAA criteria. 3. Construction of additional storage systems (e.g., reservoirs, aquifer storage and recovery systems) to capture wet season flow volumes will be necessary to increase water availability during dry conditions and attenuate damaging peak flow events from Lake Okeechobee. 4. Expanded use of reclaimed water is necessary to meet future water supply demands and the Ocean Outfall Law. 5. Expanded use of brackish groundwater from the Floridan aquifer system requires careful planning and wellfield management to prevent undesirable changes in water quality. The Village also supports these efforts to protect the integrity and functions of groundwater aquifer recharge areas.

As further outlined in Section 3.6 of this Plan the Village will support and assist in disseminating information on water conservation related programs and incentives from Miami-Dade County and SFWMD.

As a result of these regional water supply issues, the Village has updated its "Water Supply Facilities Work Plan" as required by Florida Statutes. Because the Village is a wholesale customer, the adopted policies within the Village's Comprehensive Plan currently require the Village to be consistent with the SFWMD's LECWSP and the County's 10-Year Water Supply Facilities Work Plan. The *Lower East Coast Water Supply Plan 3rd Update* was approved by the South Florida Water Management District (SFWMD) Governing Board on November 8, 2018, while Miami-Dade County's 10-Year Water Supply Facilities Work Plan Update was adopted April 2022 and corresponding CDMP Text Amendments adopted on January 19, 2023. The Village shall coordinate with the County's Work Plan to identify and develop those water supply projects necessary to meet the Village's projected water demands.

Additional Comprehensive Plan policies require the Village to consider the impacts of climate change and sea level rise as an integral component of all planning processes. Rise in sea level shall be taken into consideration in all future decisions regarding the design, location, and development of infrastructure and public facilities in the Village to meet or exceed adopted Level of Service (LOS) Standards. The Village shall work with Miami-Dade County to support the implementation of climate related policies.

3.0 DATA AND ANALYSIS

The intent of the data and analysis section of the work Plan is to describe the information that local governments need to provide to state planning and regulatory agencies as part of their proposed comprehensive plan amendments, particularly those that would change the Future Land Use Map (FLUM) to increase density and/or intensity.

3.1 Population~~/Water Demand~~ Information

The population data utilized for North Bay Village for this Update is based on the population projections data found in the Miami-Dade County 10-Year Water Supply Facilities Work Plan Update (Exhibit C-3) (See Table 3-1 below).

~~MDWASD is the water supplier for North Bay Village; therefore, population information for their entire service area is provided in Table 3.1.~~

~~Table 3-1 Population and Finished Water Demand~~

~~TABLE STRICKENTHROUGH~~

	Existing	Projected	
	2010	2020	2030
Population	2,141,885	2,337,660	2,533,436
Per Capita (gallons per day finished water)	141	141	141
Potable Water Demands (daily average annual finished water in MGD)	302.01	329.61	357.21
SFWMD WATER USE PERMITTED (13-00017-W) ALLOCATION (MGD)			
	Existing	Projected	
Potable Water Source	2010	2020	2030
Fresh Water	388.56	349.50 [a]	386.50 [a]
Brackish Water	19.95	46.66	46.66
Total Allocation	408.51	396.16	410.70
POTABLE WATER TREATMENT CAPACITY			
	Cumulative Facility & Project Capacity (MGD)		
	Existing	Projected	
FDEP Permitted Capacity	2012	2020	2030
Fresh Water	453.93	447.18	447.18
Brackish Water	0.00	10.00 [b]	10.00 [b]
Planned Project Capacity	0.00	20.00	27.50
Total Capacity	453.93	477.18	484.68
NONPOTABLE WATER TREATMENT CAPACITY			
Reclaimed Water	16.49	16.49	149.49

a. In 2012, MDWASD's allocation was modified to 349.50 MGD, pending completion of aquifer recharge projects. These reuse offsets are listed as totaling 37 MGD by 2027, supporting an allocation of 386.50 MGD in 2030. If projects are not built, allocation remains at 349.50 MGD.

b. Project will be online by 2013.

~~The MDWASD depicts population estimates for the purpose of planning water supply for their specific sub- service areas in their 2014 Water Supply Plan (see Table 3-2).~~

Table 3-1 North Bay Village Population Projections					
Year	2020	2025	2030	2035	2040
Population	8,079	8,669	9,258	9,848	10,437
Source: MDWASD 10-Year Water Supply Facilities Work Plan Update					

~~Table 3-2 Municipal Population Projections: North Bay Village~~	
~~Year~~	~~Population~~
~~2014~~	~~7347~~
~~2015~~	~~7404~~
~~2020~~	~~7689~~
~~2025~~	~~7974~~
~~2030~~	~~8258~~
~~2033~~	~~8429~~
~~2035~~	~~8543~~
~~Source: 2014 Miami-Dade Water Supply Facilities Work Plan~~	

For informational purposes, the total 2016 population of Miami-Dade County, in which the Village's population is included, was 2,700,794 (Table B-1. PWS and DSS population

projections for the Miami-Dade LEC Planning Area, *2018 LEC Water Supply Plan Update*). Of that total the Miami-Dade WASD serviced 2,351,064 residents.

Table 3-2
Village vs. Miami-Dade County Population Comparison

	2020	2025	2030	2035	2040
North Bay Village	8,079	8,669	9,258	9,848	10,437
MDWASD Service Area	2,407,121	2,533,548	2,659,975		
Miami-Dade County Total Pop.	2,777,310	2,924,743	3,072,175		

Sources: Exhibit C-3, MDWASD Wholesale Municipal Customers – Water Service Area Population by Utility Served, MDWASD 10-Year Water Supply Facilities Work Plan (October 2020) and Table 4-2 Population Projections to be Served by WASD.

The Village does not have additional data on domestic self-supply systems. After review of Village records it has been determined they are incomplete with respect to self-supply systems.

3.2 Maps of Current and Future Areas Served

The map depicting the current Village boundary served by the MDWASD system is provided in **Figure 1**. The map shown as **Figure 2** shows the MDWASD Wholesale Municipal Customers Map while **Figure 3** provides the locations of the Miami-Dade County Wellfield Protection cones of Influence map.

3.~~2~~3 Potable Water Level of Service Standard

~~Per the Miami Dade Water Supply Plan update the indicated gallon per capita per day water demand for the North Bay Village service area is 148.11. See details below:~~

Based on the adopted Water Supply Facilities Work Plan Update 2015, the Village adopted a potable water LOS level of 148.11 gallons per capita per day.

An update of the per capita use estimated by Miami-Dade Water and Sewer Department in the April 2022 10-Year Water Supply Facilities Work Plan (shown in Exhibit C-2) by municipality was determined to be 145.41 gallons per capita per day (gpcd).

The Village will revise the LOS standard that the Village had adopted and found in Policies 7.4.1 and 12.1.5. If future population increases project higher demands, the Village will work with the County and SFWMD to refine projections during the five-year updates to the water management plan and also through the State mandated Evaluation and Appraisal Report process.

~~TABLE STRICKENTHROUGH~~

Exhibit C-7

Wholesale Water Demand Projections

Wholesale Customer	Projection Year	Population	Baseline Wholesale Per Capita Consumption (GPD)	Projected Wholesale Consumption (GPD)	Projected Wholesale Consumption (MGD)
Medley	2029	7,762	864.208	6,708,040.68	6.71
Medley	2030	8,129	864.208	7,025,435.50	7.03
Medley	2031	8,497	864.208	7,342,830.32	7.34
Medley	2032	8,864	864.208	7,660,225.14	7.66
Medley	2033	9,231	864.208	7,977,619.96	7.98
Medley	2034	9,598	864.208	8,295,014.78	8.30
Medley	2035	9,966	864.208	8,612,409.59	8.61
Medley	2036	10,333	864.208	8,929,804.41	8.93
Medley	2037	10,700	864.208	9,247,199.23	9.25
Medley	2038	11,067	864.208	9,564,594.05	9.56
Medley	2039	11,435	864.208	9,881,988.87	9.88
Medley	2040	11,802	864.208	10,199,383.69	10.20
Miami Beach	2014	90,254	245.991	22201794.66	22.20
Miami Beach	2015	91,288	245.991	22456116.65	22.46
Miami Beach	2020	96,458	245.991	23727726.59	23.73
Miami Beach	2025	101,627	245.991	24999336.54	25.00
Miami Beach	2030	106,796	245.991	26270946.48	26.27
Miami Beach	2033	109,898	245.991	27033912.45	27.03
Miami Beach	2035	111,966	245.991	27542556.42	27.54
Miami Beach	2028	104,728.60	245.99	25,762,302.50	25.76
Miami Beach	2029	105,762.47	245.99	26,016,624.49	26.02
Miami Beach	2030	106,796.33	245.99	26,270,946.48	26.27
Miami Beach	2033	109,897.93	245.99	27,033,912.45	27.03
Miami Beach	2035	111,965.67	245.99	27,542,556.42	27.54
North Bay Village	2014	7,346.87	148.11	1,088,106.96	1.09
North Bay Village	2015	7,403.83	148.11	1,096,544.00	1.10
North Bay Village	2020	7,688.67	148.11	1,138,729.22	1.14
North Bay Village	2025	7,973.50	148.11	1,180,914.43	1.18
North Bay Village	2030	8,258.33	148.11	1,223,099.64	1.22
North Bay Village	2033	8,429.23	148.11	1,248,410.77	1.25
North Bay Village	2035	8,543.17	148.11	1,265,284.86	1.27
North Miami	2014	68,966.73	54.65	3,768,802.66	3.77
North Miami	2015	69,007.17	54.65	3,771,012.20	3.77
North Miami	2020	69,209.33	54.65	3,782,059.94	3.78
North Miami	2025	69,411.50	54.65	3,793,107.68	3.79
North Miami	2030	69,613.67	54.65	3,804,155.41	3.80
North Miami	2033	69,734.97	54.65	3,810,784.05	3.81
North Miami	2035	69,815.83	54.65	3,815,203.15	3.82
Opa-Locka	2014	19,122.13	126.82	2,425,119.34	2.43
Opa-Locka	2015	19,221.17	126.82	2,437,679.00	2.44
Opa-Locka	2020	19,716.33	126.82	2,500,477.35	2.50
Opa-Locka	2025	20,211.50	126.82	2,563,275.69	2.56
Opa-Locka	2030	20,706.67	126.82	2,626,074.03	2.63
Opa-Locka	2033	21,003.77	126.82	2,663,753.03	2.66
Opa-Locka	2035	21,201.83	126.82	2,688,872.37	2.69
Surfside	2014	5,835.53	148.04	863,864.14	0.86
Surfside	2015	5,866.17	148.04	868,398.95	0.87
Surfside	2020	6,019.33	148.04	891,073.01	0.89
Surfside	2025	6,172.50	148.04	913,747.06	0.91
Surfside	2030	6,325.67	148.04	936,421.11	0.94

~~The MDWASD water supply and treatment systems have sufficient installed capacity to produce more potable water than is currently required. The supply capacity and treatment capacity are 724.44 MGD and 517.19 MGD respectively. Table 3-3 summarizes this information. Table 3-4 summarizes other suppliers facilities capacities.~~

~~The capacities of these water supply and treatment systems have been coordinated with future demands and allocations.~~

~~TABLE STRICKENTHROUGH~~
~~Table 3-3 MDWASD Facilities Capacities~~

Facility	Installed Capacity (mgd)
Hialeah-Preston Water Treatment Plants	**60 + 165 = 225**
Hialeah-Preston Well fields	
Preston	53.28
Hialeah	12.54
Miami Springs	79.30
Northwest (a)	149.35
Medley Wellfield (b)	48.96
Hialeah RO Water Treatment Plant	**10**
Hialeah RO Wellfield (Floridan Aquifer)	
Existing Hialeah RO	12.00
Future Hialeah RO (2015)	8.00
Alexander Orr Water Treatment Plant	**248**
Alexander Orr Well fields	
Orr Plant	74.40
Snapper Creek	40.00
Southwest	161.20
West	32.40
South Dade Water Treatment Plants	**14.19**
South Dade Wellfields	
Elevated Tank	4.32
Everglades Labor Camp	5.04
Leisure City	4.18
Naranja	1.15
Newton	4.32
Future South Miami Heights Water Treatment Plant (2018)	***20.00***
Future South Miami Heights Wellfields	
Former Plant (Biscayne Aquifer)	*4.00*
Roberta Hunter Park (Biscayne Aquifer)	*6.00*
South Miami Heights RO (Floridan Aquifer)	*24.00*
Existing WASD Wellfield Total	**682.44**
Existing WASD Water Treatment Plant Total	**497.19**
Future WASD Wellfield Total	**724.44**
Future WASD Water Treatment Plant Total	**517.19**

~~(a) Northwest wellfield capacity at 150 mgd when pumps operate at low speed.~~

~~(b) Wells in this wellfield had been abandoned. They have been restored with the purpose of using them only during an emergency.~~

~~*Source: MDWASD Water Use Permit No. 13-00017-W, revised July 2012, and requested revision June 2014.*~~

~~TABLE STRICKENTHROUGH~~

~~Table 3-4 Other Supplier's Facilities Capacities~~

Facility	Installed Capacity (mgd)
City of North Miami	
Norman H. Winsom Water Treatment Plant	9.30
City's well fields (8 wells)	**14.96**
City of North Miami Beach	
Norwood-Oeffler Water Treatment Plant	**32.00**
City of North Miami Beach Wellfields	
Biscayne Aquifer Wellfields	27.90
Floridan Aquifer Wellfields	12.07
City of North Miami Beach Wellfields	**39.97**
City of Homestead	
Wittkop Park – Harris Field Water Treatment	11.2+5.7=**16.9**
City of Homestead Wellfields	
Wittkop Park	11.23
Harris Field	5.76
City of Homestead Wellfields	**16.99**
Florida City	
Florida City Water Treatment Plant	***4***
Florida City Wellfields	***4***

~~*Source: City of North Miami Beach SFWMD Water Use Permit Staff Report (August 2007) and Water Use Permit No. Re-issue 13-00060-W, Draft Water Supply Facilities Work Plan (City of North Miami, March 2008), Information provided by discussions with staff for the City of Homestead and Florida City*~~

3.~~3~~4 Population and Water Demand Projections

~~The water demand projections presented herein are based on an initial system-wide finished water daily per capita use rate of 137.2 gallons per capita per day (gpcd). The per capita use was determined by taking a 3-year average from 2011 to 2013. The initial per capita rate has declined due to water use reductions resulting from water conservation and reuse irrigation water projects. Table 3-5, provides the projected finished water use for Year 2014 through Year 2033.~~

Population projections for the North Bay Village service area in five-year increments from Years 2020-2040 are shown in Table 3-3.

Table 3-3
Potable Water Demands for the North Bay Village and MDWASD Overall Water System Capacity and Demand

Year	Population Projections	Gallons/Capita/Day	Average Demand (MGD)	Rated Capacity (MGD)	Finished Water Demand (MGD)
2020	8,079	145.41	1.17	463.93	336.12
2025	8,669	145.41	1.26	463.93	350.03
2030	9,258	145.41	1.35	463.93	366.16

2035	9,848	145.41	1.43		
2040	10,437	145.41	1.52		

Sources: MDWASD Wholesale Service Area Water Demand Projections (Exhibit C-6) and Table 2.5.1-2 Miami-Dade County Water Supply Facilities related text amendments (CDMP20220002).

~~TABLE STRICKENTHROUGH~~

~~Table 3-5 MDWASD Projected Finished Water Demands~~

1	2	3	4	5	6	7	8	9
	PROJECTIONS (2013) FOR MDWASD SERVICE AREA							
Year	Pop.[a]	Finished Water Use (gpcd)	AADD Finished Water Use[b] (MGD)	Water Conservation[c] (MGD) Credit	Reuse/ Reclaimed Water [d] (MGD) Credit	Adjusted Finished Water Demand[e] (MGD)	Adjusted Finished Water Use (gpcd)	CITY OF HOMESTEAD Finished Water Demand (MGD)
System-Wide								
2014	2,243,879	137.2	307.19	1.36	0.00	306.43	136.56	2.50
2015	2,266,092	137.2	310.84	2.04	0.00	308.80	136.27	3.00
2020	2,370,769	137.2	325.20	5.44	0.00	319.76	134.88	3.00
2025	2,475,446	137.2	339.56	8.84	0.00	330.72	133.60	3.00
2030	2,580,123	137.2	353.92	9.55	0.00	344.37	133.47	3.00
2031	2,601,058	137.2	356.79	9.55	0.00	347.24	133.50	3.00
2032	2,621,994	137.2	359.66	9.55	0.00	350.11	133.53	3.00
2033	2,642,929	137.2	362.53	9.55	0.00	352.98	133.56	3.00

Footnotes

(a) Population Served represents the TAZ population projections based on 2010 Census Data provided by the MDC RER Planning Division.

(b) Annual Average Daily Demand (AADD) Finished Water Projections between 2014 and 2033 assume 137.2 gpcd (a decrease from 145.4 gpcd total water system demand prior to application of credits (e.g. conservation).

(c) MDWASD has implemented a 20-year water use efficiency plan and is experiencing reductions in per capita water consumption. Water Conservation projections were revised based on the 2010 Annual Water Conservation Plan Conserve Florida Report (March 2011). Real losses in non-revenue water (e.g. unaccounted-for-water) are assumed to remain at less than 10%. The conservation amounts experienced through 2010 (6.54 MGD) were deducted from the 20-year conservation amount in the Conserve Florida Report and the remaining conservation amounts were distributed for the balance of the 20-year period (2011-2027).

(d) Not Used

(e) Adjusted after taking credit in finished water demand projections for reductions in finished water use associated with water conservation.

3.5 Water Supply Provided by WDWASD

The Miami-Dade County 10-Year Water Supply Facilities Work Plan (April 2022) is attached as Appendix A. The County Work Plan generally contains all supply and distribution information concerning its Countywide facilities, conservation measures, alternative water supply projects, historical data and projections, planned facilities, capital improvements, climate change and sea level rise impacts. The intent of the County Work Plan is to meet the statutory requirements mentioned in subsection 1.2 of this plan and to coordinate the MDWASD's water supply initiatives with the SFWMD's *Lower East Coast Water Supply Plan Update*.

The SFWMD initially issued a Water Use Permit (WUP) for Miami-Dade County on November 15, 2007. The water use permit limits the annual allocation and the maximum monthly allocation until the permit expires. The latest modifications to this MDWASD WUP, No.1300017-W, were approved on March 8, 2022 and will now expire on December 27, 2065.

The MDWASD's service area is all portions of Miami-Dade County within the Urban Development Boundary (UDB), excluding the service areas of North Miami Beach, Homestead, Florida City, and approximately 65% of North Miami's service area. The water demands of the areas within the Urban Expansion are considered in the 10-year planning horizon.

The MDWASD water service area contains interconnected systems and, for the most part, functions as a single service area. The service area is broken down into three sub areas by water treatment facilities: the Hialeah-Preston area, the Alexander Orr Jr. area, and the South Dade area.

The County's 10-Year Water Supply Facilities Work Plan (April 2022), Appendix C, "Municipal Population and Demand Projections" includes data on population projections and per capita water usage.

MDWASD is committed to meet the water demands for the municipalities and unincorporated areas within its service area. North Bay Village is served by the Hialeah-Preston sub-area water treatment plant.

The Hialeah-Preston sub-area is comprised of dedicated low-pressure pipelines, remote storage tanks, pumping facilities, and high pressure systems. This sub-area delivers water to Hialeah, Miami Springs, the City of Miami, and other portions of northeastern Miami-Dade County (including North Bay Village). The Hialeah-Preston sub-area, water treatment plant is supplied by four water supply wellfields (Hialeah- capacity 12.5 MGD; John E. Preston – capacity 53.28 MGD; Miami Springs – capacity 79.30 MGD; and Northwest -149.35 MGD), with a total designed capacity of approximately 220.94 MGD.

3.46 MDWASD and ~~the~~ Village~~'s~~ Water Conservation ~~and Water Reuse Actions Water Conservation~~

Water conservation is the key to maintaining the health and productivity of the Surficial and Floridan Aquifers. Promoting water conservation equipment, techniques, and practices will benefit customers economically and maintain a realistic water demand picture for utilities. Protection of the aquifer system and wellfields (Figure 3.) through conservation and reuse, recharge enhancement, limitations on withdrawal, regulation of land use, and maintenance of minimum flows and levels will ensure the availability of an adequate water supply for all competing demands, maintain and enhance the functions of natural systems and preserve water quality.

North Bay Village works in coordination with MDWASD, SFWMD and state efforts aimed at promoting conservation through a variety of means including:

- Water Use Efficiency requirements included in the Code of Miami-Dade County
- Limiting Irrigation Hours
- Florida-Friendly Landscape Ordinance
- Rain Sensor Ordinance
- Water Conservation Rate Structure
- Leak Detection and Repair Program
- Public education
- Offering low-cost kits to its customers to reduce water use in their homes (High-Efficiency Fixtures).

MDWASD has developed a Water Conservation Plan (November 2020) which is included as Exhibit 29, 10-Year Water Supply Facilities Work Plan (~~2014 – 2033~~ April 2022).

For more information about WASD's Water Conservation Program visit http://www.miamidade.gov/conservation/home.asp

3.6.1 County-wide Issues

Miami-Dade Water Use Efficiency Plan

~~The per capita usages contained in Table 3-5 are adjusted, taking into consideration MDWASD water conservation.~~ MDWASD is implementing a 20-year water ~~conservation~~ water use plan and is ~~looking for ways to reduce non-revenue water~~ experiencing reductions in per capita water consumption by implementing all Best Management Practices (BMPs) included in ~~T~~the MDWASD 20-Year Water Use Efficiency ~~Goal Based~~ Plan (Plan) which was approved by the SFWMD in May 2007. ~~The Water Conservation projections included in Table 3-5 were revised based on the 2010 Annual Water Conservation Plan Conserve Florida Report (March 2011). Currently, MDWASD is implementing all Best Management Practices (BMPs) included in the Plan. Values contained within the above table reflect projections as of June 2014.~~

~~Miami-Dade County has enacted water use efficiency legislation including permanent landscape irrigation restrictions, landscape ordinances requiring Florida Friendly landscaping in new construction and in right of ways, and the installation of high efficiency plumbing fixtures in new construction. North Bay Village's water conservation efforts have benefited from this legislation. Water conservation activities are funded annually through the operations and maintenance budget and are therefore not included in capital budgets.~~

~~Water conservation projections do not reflect water demand reductions presented by the "Unaccounted Water Loss Reduction Plan (February 2007)" prepared by Malcolm Pirnie, Inc. The potential additional reduction in water demands, as a result of real non-revenue water loss, is estimated at 14.25 mgd over the next ten years~~ The lower demand is also the result of lower-than-projected population growth, permanent landscape irrigation

restrictions, water loss reduction from Florida Friendly landscaping in new construction, in right of ways, and the installation of high efficiency plumbing fixtures in new construction and some reuse within the three wastewater treatment plant sites or in their vicinities. Because of these efforts, the County has achieved 16.19 MGD of water saving through fiscal year 2021. As a result, the Water Conservation projections included within the MDWASD 10-Year Water Supply Facilities Work Plan were revised based on the Water Conservation Plan 2021 Annual Report (January 1, 2021 – December 31, 2021), Exhibit F, MDWASD 10-Year Water Supply Facilities Work Plan. The savings from water conservation translate into more potable water available for residential and non-residential use, capital and operating savings, which allow systems to defer or avoid significant expenditures for water supply facilities and wastewater facilities.

Water Conservation Plans and Development Codes

Miami-Dade County has developed recommendations for new developments that would achieve higher water use savings than currently required by code. Miami-Dade County has enacted water use efficiency-legislation including permanent landscape irrigation restrictions, landscape ordinances requiring Florida Friendly landscaping in new construction, in right of ways, and the installation of high efficiency plumbing fixtures in new construction and some reuse within the three wastewater treatment plant sites or in their vicinities. This was done by The Board of County Commissioners amending Water Use Efficiency standards creating or amending-Sections 8-31, 32-84, 8A-381, 32-8.2, 32-83.1, 18A, 18B of the Code of Miami-Dade. All future development within the Village is required to comply with these water conservation measures as provided through these water use efficiency legislations, which may be amended from time to time. The list of legislation and ordinances relating to water use efficiency standards are presented in Appendix D of the MDWASD Water Supply Facilities Work Plan and are also posted in the Miami-Dade Water Conservation Portal.

Per Capita Consumption

The MDWASD establishes per capita consumption for all municipalities including those in its retail customer service area. Based on this data, the MDWASD will work with the municipalities to address those with higher than average per capita usage and will target programs for those areas. The County anticipates that the implementation of the BMPs identified in the 20-Year Water Use Efficiency Plan will result in an adjusted system wide per capita of 139 gpcd through the planning period.

The Village has been successful in implementing, as applicable, its water conservation policies and supporting efforts by Miami-Dade County and the South Florida Water Management District in their efforts to promote water conservation and reuse. The Village promotes the policies, requirements and procedures as outlined in this 10-Year Water Supply Facilities Work Plan Update. As shown by the Village's per capita consumption rate of 145.41 gallons per capita vs. 139 generally systemwide. Although slightly higher than the average the Village continues to strive for increased water conservation of water resources.

3.6.2 Local government Specific Actions, Programs, Regulations, or Opportunities

The Village will continue to coordinate future water conservation efforts with the MDWASD and the SFWMD to ensure that proper techniques are applied. The Village has adopted policies encouraging the use of Green Building Standards for new development, as well as those emphasizing low impact development techniques. In addition, the Village will continue to support and expand existing goals, objectives and policies in the comprehensive plan that promotes water conservation in a cost-effective and environmentally sensitive manner. The Village will continue to actively support the SFWMD and Miami-Dade County in the implementation of new regulations or programs that are designed to conserve water during the dry season. ~~In 2016, the Village will distribute educational materials to its residents concerning Florida Friendly landscaping in coordination with SFWMD.~~

3.7 Water Reuse

~~On June 28, 2013, MDWASD submitted to the Secretary of FDEP the Ocean Outfall Legislation Compliance Plan. A total of 117.5 mgd of reuse will be implemented. Out of that 27.6 mgd of reclaimed water will be used to recharge the Floridan Aquifer. The Floridan Aquifer recharge will be applied on equal capacities at the existing Central and South District Wastewater Treatment Plants, and a proposed West District Wastewater Treatment Plant (9.2 mgd each). And up to 90 mgd of reuse water will be provided to FPL for Turkey Point cooling Units 5, 6 and 7.~~

3.7.1 Regional and County-wide Issues

State law supports reuse efforts. Florida's utilities, local governments, and water management districts have led the nation in implementing water reuse programs that increase the quantity of reclaimed water used and public acceptance of reuse programs. Section 373.250(1) F.S. provides that "water reuse programs designed and operated in compliance with Florida's rules governing reuse are deemed protective of public health and environmental quality." In addition, Section 403.064(1), F.S., provides that "reuse is a critical component of meeting the state's existing and future water supply needs while sustaining natural systems."

The County's projected finished water demands are now markedly lower than anticipated when the first 20-year water use permit application was submitted. ~~This demand reduction has eliminated the anticipated supply shortages which were the basis for an ambitious schedule of several costly alternative water supply projects. As such, reuse is no longer required or needed to address water supply.~~ As such, wastewater reuse to address water supply demands is no longer required, and other alternative water supplies (Floridan aquifer, water conservation, C-51 reservoir, etc.) have been determined to be more viable and shall be considered in the future. WASD is currently implementing a total of 16.49 MGD of reuse at each of the Wastewater Treatment Plants, primarily for in-plant (process water) use. In addition, WASD will be providing up to 15 MGD of reclaimed water from the South District Wastewater Treatment Plant to the FPL facilities at Turkey Point, per Miami-Dade County Resolution No. R-579-20 approved by

the BCC on June 16, 2020.

3.7.2 Local Government Specific Actions, Programs, Regulations, or Opportunities
The Village will continue to support the SFWMD and Miami-Dade County water reuse projects, and implementation of new regulations or programs designed to increase the volume of reclaimed water used and public acceptance of reclaimed water.

4.0 INTERGOVERNMENTAL COORDINATION

The provision of water supply needs in the North Bay Village is achieved in coordination with local, county, and regional partners including Miami-Dade County WASD and South Florida Water Management District. MDWASD is the Village's primary water partner as they provide its water service utilities. As part of the water supply planning process and intergovernmental coordination in general the Village has reviewed the Miami-Dade County Plan while outside agencies will review the Village's Plan. MDWASD ensures that water supply services are provided to most potable water users of Miami-Dade County in the most efficient and effective manner. SFWMD acts to protect the region's water supply resources and coordinates the implementation of state water regulations and policies through local water planning efforts and water supply services.

In this update of the Water Supply Facilities Work Plan, the Village has reviewed its water supply related Objectives and policies and updated them as necessary. Changes to the Objectives and policies are outlined in Section 7.0. Policies are included which detail coordination efforts with both MDWASD and SFWMD. As a wholesale customer, the Village must coordinate through data collection and billings the adequate supply of water and conservation practices with MDWASD and implement the requirements of County Code.

45.0 CAPITAL IMPROVEMENTS

The Village is within Miami-Dade County WASD service area which provides potable water and sanitary sewer services. As discussed, the potable water and sanitary sewer systems have adequate capacity to meet the needs of current and future residents. At this time the Village has no water facility projects planned. This section details water supply facilities that are planned within the County in order to meet MDWASD's water demands through the planning period.

The information contained in the Village's Comprehensive Plan and the Miami-Dade WASD 10-year Water Supply Facilities Work Plan (April 2022), the *2018 Lower East Coast Water Supply Plan Update* (LEC) approved by the South Florida Water Management District (SFWMD) on November 8, 2018 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference. The Water Use Permit which was modified and approved by the SFWMD on March 8, 2022, will now expire on December 27, 2065.

45.1 Planned Water Facilities Projects ~~and Capital Improvements Schedule~~

~~Capital improvement projects are determined by the MDWASD, as such they are not identified within North Bay Village. However, it is understood that coordination with MDWASD is necessary to ensure appropriate infrastructure is in place for service delivery to be consistent with the water supply facilities work plan.~~

~~Water supply facilities are planned in order to meet MDWASD's water demands through 2033. The County's projected finished water demands are now markedly lower than anticipated when the first 20- year water use permit application was submitted to South Florida Water Management District (SFWMD) in 2007. This demand reduction has eliminated the anticipated supply shortages which were the basis for an ambitious schedule of several costly alternative water supply projects which are no longer required or needed. Reuse projects to address water supply have been eliminated. The decrease in water demands is a result a successful implementation of the County's Water Conservation Plan and new population projections based on the 2010 Census.~~

~~Table 4-1, on the following pages, depicts the most current 5-Year CIE projects from MDWASD.~~

~~TABLE STRICKENTHROUGH~~
~~Table 4-1~~

WATER FACILITIES

Project Number	Project Name and Location	Purpose* / Estimated Year of Completion	Prior Years	Expenditures / Revenues 2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Six Year Totals	Future Years	Project Totals	Funding Source
			(In Thousands of Dollars)										
1)	South M-D Water Trans. Mains Improv.	3/2017	0	0	0	5,900	6,500	1,100	0	13,500	4,500	18,000	1170,1171
965002I	South Miami-Dade County		0	0	0	5,900	6,500	1,100	0	13,500	4,500	18,000	
2)	Water T. Plant - Alexander Orr,Jr. Expansion	3/2018	8,089	5,894	15,060	25,309	27,914	13,578	6,515	95,070	331,395	434,554	495,1178,
965003I	8800 S.W. 87 Ave.		14,783	0	15,060	25,309	27,914	13,578	6,515	88,376	331,395	434,554	1171,1266
3)	Water T.Plant - Hialeah/Preston Improv.	3/2017	2,784	100	2,301	17,139	27,069	10,990	1,625	59,224	9,975	71,983	495,1171,
965004I	700 W. 2 Ave./1100 W. 2 Ave.		2,884	0	2,301	17,139	27,069	10,990	1,625	59,124	9,975	71,983	1170,1178
4)	Wellfield Improvements	3/2014	0	0	500	0	0	0	0	500	0	500	1171
965005I	Systemwide		0	0	500	0	0	0	0	500	0	500	
5)	Water Main - Extensions	1/2017	2,276	1,000	1,000	1,000	1,000	2,000	1,569	7,569	0	9,845	495
965108I	Systemwide		3,845	1,000	1,000	1,000	1,000	1,000	1,000	6,000	0	9,845	
6)	Central M-D Water Trans. Mains Improv.	3/2019	10,506	2,919	0	0	0	1,121	2,652	6,692	16,080	33,278	1170,1171
965404I	Central Miami-Dade County Area		13,425	0	0	0	0	1,121	2,652	3,773	16,080	33,278	
7)	North M-D Water Trans. Main Improv.	3/2017	2,500	1,775	691	4,738	2,810	1,335	0	11,349	0	13,849	1170,1171
965403I	North Miami-Dade County Area		4,275	0	691	4,738	2,810	1,335	0	9,574	0	13,849	
8)	W.T.P. Replacement & Renovations	3/2018	8,948	1,874	1,700	7,077	6,700	5,249	3,245	25,845	3,045	37,838	495,1171
965016I	Water Treatment Plants		10,091	771	1,700	7,077	6,700	5,249	3,245	24,742	3,045	37,838	
9)	Water System Maintenance & Upgrades	3/2017	37,587	18,490	17,500	20,000	20,000	20,000	20,000	115,990	162,500	316,077	495,1171
965018I	Systemwide		46,591	9,526	17,500	20,000	20,000	20,000	20,000	107,026	162,500	316,077	
10)	Water Distribution System Extension Enhanc.	3/2019	12,433	3,915	11,693	40,449	30,998	26,518	41,807	155,380	1,528,044	1,695,857	495,952,
965331I	Systemwide		16,348	0	11,693	40,449	30,998	26,518	41,807	151,465	1,528,044	1,695,857	1026,1170,
													1171,1266
11)	Water Equipment & Vehicles	N/2017	18,313	6,677	7,500	7,500	7,500	7,500	7,000	43,677	55,000	116,990	495,1266
965014I	Systemwide		24,990	0	7,500	7,500	7,500	7,500	7,000	37,000	55,000	116,990	
12)	Water General Maintenance & Office Facilities	N/2019	0	0	0	11,303	11,960	4,832	3,833	31,928	42,329	74,257	1171,1266
965027I	Systemwide		0	0	0	11,303	11,960	4,832	3,833	31,928	42,329	74,257	
13)	Water System Fire Hydrant Installation	1/2017	11,896	4,800	5,000	5,000	5,000	5,000	5,000	29,800	0	41,696	495

As a wholesale customer the Village is not responsible for the provision of infrastructure for potable water treatment and distribution. Below is a partial list of MDWASD projects and changes to its Capital Improvement Schedule.

As stated previously in Section 3.5 the Village is within the Hialeah-Preston Subarea. The MDWASD Capital Plan Bond/Fund Allocation for water projects through FY2029-2030 is $1.6 Billion. The following major Capital Improvements Projects may impact the Village and are as further described in the Miami-Dade WASD 10-year Water Supply Facilities Work Plan (April 2022) Appendix B 2021-2030 Multi-Year Capital Plan:

1) Systemwide Wellfield Improvements;
2) Systemwide Water Line Extensions and Improvements;
3) Water Treatment Plants Rehabilitation;
4) Purchase of Lake Property Adjacent to Northwest Wellfield;
5) Miami Springs Wellfield Rehabilitation – Phase 1-3; and,
6) C-51 Reservoir Water Project.

45.2 Alternative Water Supply Projects

The County's projected finished water demands are now markedly lower than first anticipated. The decrease in water demands is a result of successful implementation of the County's Water Conservation Plan and efficiency standards.

The proposed alternative water supply (AWS) projects are to meet MDWASD's increase water demands through the planning period. AWS projects have been identified to meet water demands in the MDWASD service area and may be found in the MDWASD 10-Year Water Supply Facilities Work Plan (April 2022), Section 5, Sub-section 5.1 Alternative Water Supply Projects.

6.0 CLIMATE CHANGE AND SEA LEVEL RISE

Southeast Florida is one of the most vulnerable regions to the impacts of climate change and sea level rise as a result of our flat topography, porous limestone geology, and dense coastal development. Climate change and sea level rise are expected to present significant challenges relating to water resource planning, management and infrastructure for the counties located in south Florida, including Broward, Miami-Dade, Monroe, and Palm Beach Counties. These communities have agreed to partner in regionally-coordinated climate mitigation and adaptation strategies as part of the Southeast Florida Regional Climate Change Compact (Compact) and have adopted a Regional Climate Action Plan (RCAP) which highlights "Water Supply, Management, and Infrastructure" as a primary focal area. http://southeastfloridaclimatecompact.org

Investigations and evaluations conducted at the national, regional, and local levels have reinforced the need to plan for the predicted impacts of more frequent and severe drought, increases in tidal and storm-related flooding, and the loss of coastal wellfield capacity due to saltwater contamination. In the absence of proactive planning, these

impacts will present liabilities for coastal and inland communities with implications for urban water supplies, water and wastewater infrastructure, and both regional and local drainage/flood control systems. Investments in water supply planning and infrastructure that account for these predicted trends will improve the resilience of our communities, provide public health benefits, and reduce the potential for economic losses.

Miami-Dade County, Broward, Monroe, Palm Beach Counties, local governments and water utilities in the southeast Florida region have formalized the integration of water supply and climate change considerations as part of coordinated planning efforts, including updates to local government and water utility 10-year Water Supply Facility Work Plan and enhancements to local government's Comprehensive Plans. Key considerations for communities within the four County Compact planning area areas include: 1) sea level rise, 2) saltwater intrusion, 3) extreme weather, and 4) infrastructure investments to support diversification and sustainability of water supply sources, and adaptive storm water and wastewater systems.

Below are synopses of these considerations as enumerated more fully in the MDWASD 10-Year Water Supply Facilities Work Plan (April, 2022), Section 6 Climate Change and Sea Level Rise Plan.

6.1 Sea Level Rise

Sea level rise has significant implications for water management and water supply planning in southeast Florida, the rate of which is accelerating.

Sea level rise produces varied challenges with respect to water resources sustainability, water management, and water/wastewater facilities and infrastructure. Impacts include saltwater contamination of coastal wellfields, infiltration of groundwater with chloride levels into wastewater collection systems, impairing normal operations and maintenance as well as opportunities for beneficial use of reclaimed water as an alternative water supply. Water management systems are also at risk with systems constrained by rising groundwater and tail water elevations which reduce soil storage and discharge capacity, with increased potential for both inland and coastal flooding and less opportunity for long-term storage of storm water for beneficial reuse.

These realities necessitate consideration of plans and investments that may be needed to compensate for loss of existing water supplies through relocation of wellfields and the development of alternative water supplies while also seeking opportunities to expand regional water storage opportunities. These investments and considerations are in addition to concurrency planning for population growth and water demands that are typical requirements for water supply planning requirements.

For all planning purposes Miami-Dade County (including North Bay Village) relies upon the Unified Sea Level Rise Projection for Southeast Florida developed by the South Florida Regional Climate Change Compact (Figure 6-1). The projection was updated in 2019 by a panel of scientists to reflect the best available data. The latest science indicates that mean sea levels

could be between 10 to 17 inches higher than 2000 levels by 2030. By 2070, average levels are expected to be 21 to 40 inches higher.

Greater Miami & the Beaches (GM&B) was created to respond to the global trends major cities face including urbanization, globalization and climate change. GM&B was selected to join the 100 Resilient Cities Program pioneered by the Rockefeller Foundation in 2016. In 2019, GM&B released the Resilient305 Strategy that addresses prioritized resilience challenges, which was developed through extensive intergovernmental and community collaboration (https://resilient305.com/). The resilience strategy is designed to address GM&B's key shocks and stresses, such as hurricanes and infrastructure failure. The strategy includes actions related to water management including water quality, flooding mitigation, and infrastructure hardening.

As a 100 Resilient Cities partner MDC was eligible and selected as one of five global communities to pilot the City Water Resilience Approach to diagnose the strengths and weaknesses of the water system using quantitative and qualitative indicators and to develop an action plan that builds water resilience. WASD led this process that bridged water, wastewater, and stormwater management, both upstream and downstream of our county, and which directly advances water-related actions in the Resilient305 Strategy, particularly Action 54: Employ a One Water Approach. Some key messages we heard from our stakeholders include the importance of better coordination between water stakeholders, the need for catchment-level partnerships and water management projects and practices, and a strong call for sharing water quality and related data to ensure evidence-based decision-making, and the need for proper valuing of ecosystem services.
https://wwwresilienceshift.org/publication/greater-miami-water-resilience-profile-cwra/

6.2 Saltwater Intrusion

The primary concern to MDWASD water supply is saltwater intrusion into the freshwater Biscayne aquifer, the primary source of drinking water in Miami-Dade County. Results of evaluation and data analysis completed to date indicate that within the next thirty years MDWASD will be able to operate its wellfields and water treatment facilities as designed, as groundwater modeling indicates even with a high level of projected sea level rise the county's wellfields will not be impacted by saltwater intrusion.

Along the coast of southeast Florida, and several miles inland, groundwater supplies and potable wells are vulnerable to saltwater contamination. The Biscayne Aquifer which serves as the region's primary water supply is a shallow, surficial aquifer characterized by limestone karst geology which is highly porous, and transmissive. As a result, coastal saltwater intrusion of the aquifer has begun to restrict coastal water supplies and necessitates the development of western wellfields, changes in wellfield in water management operations, and reclaimed water projects to enhance aquifer recharge.

Saltwater intrusion in Miami-Dade County is monitored through a joint effort of the Miami-Dade WASD, Miami-Dade Department of Regulatory and Economic Resources (RER), and the U.S. Geological Survey (USGS) through Joint Funding Agreements and as part of the WUP #13-00017-W requirements.

6.3 Extreme Weather Events

As extreme events increase in frequency and severity, the Village and MDWASD will consider impacts and risks associated with drought, water shortages and reduced groundwater tables, all of which can hasten saltwater intrusion and exacerbate water supply impacts. Conversely, more intense and rapid rainfall will cause flooding, increased runoff, as well as impacts to the natural systems and provide less recharge potential.

Extreme rainfall events can increase damage to low-lying utility infrastructure and prolong surface water flooding. The increases in groundwater and sea level will challenge the function of drainage systems and can contribute to excessive flooding for even mild storm events. Predicting for the combined influences of storm events, high tides and sea level rise on drainage system functions and other public infrastructure is a critical planning need as is the assessment of viable water supplies and impacts to the natural systems from prolong droughts.

WASD entered into a JFA in 2014 (JFA 14GGESMC0000110) with the USGS to continue the modeling effort, and will develop additional future scenarios with County Departments, local governments, a n d regional agencies for further climate change and sea level rise assessment.

6.4 Infrastructure Development

With increasing climate change there is a need to diversify water supply sources, treatment technologies and to provide adaptive storm water and wastewater infrastructure design criteria to ensure long-term sustainability of key facilities. Strategic infrastructure planning should incorporate these constraints and work within with the Goals, Policies and Objectives of the Village's comprehensive planning processes and water supply facility work plans· to provide for long-term sustainable and balanced approach for future development. Additionally, WASD requires that capital improvement projects include an assessment of climate change and sea level rise.

Options that provide for a diversification of water projects and protection of resources will be fundamental to this effort and may include: regional water storage such as the C-51 Reservoir; aquifer storage and recovery (ASR); the development and use of highly treated wastewater (reverse osmosis) for recharge hydrodynamic barriers; the relocation and/or regionalization of wellfields and treatment facilities away from low-lying areas; and enhancing operational flexibility.

Finally, the support of regional water conservation efforts is a proven strategy for extending the timeline to develop these expensive alternative water supply technologies and should be a prominent objective and dedicated effort to support water resource

protections under the threat of sea level rise and climate change.

~~5~~7.0 COMPREHENSIVE PLAN: GOALS, OBJECTIVES AND POLICIES

This section reflects the necessary ~~changes~~ amendments to the Comprehensive Plan based on the 10-Year Water Supply Facilities Work Plan Update 2022. They are presented herein by Element, in ~~strikethrough~~ and underline format. ~~The majority of the Goals, Objectives and Policies from the original Water Supply Work Plan remain unchanged.~~

Sanitary Sewer, Solid Waste, Drainage & Aquifer Recharge Element

Policy 7.4.1: In conjunction with Miami-Dade County Water and Sewer Department, provide for an adequate ~~water~~ supply to meet a level of service of ~~148.11~~ 145.41 gallons per capita per day.

Policy 7.5.4: Within eighteen months of approval of the South Florida Water Management District's most current Regional Lower East Coast Water Supply Plan Update adopted November 8, 2018, the Village shall revise the potable water sub-element to include a Water Supply Facilities Work Plan for at least a 10-year planning period addressing water supply facilities necessary to serve existing and new development for which the Village is responsible. (Same as Policy 11.3.16 from Intergovernmental Element)

Policy 7.5.5 The North Bay Village 10-Year Water Supply Facilities Work Plan Update 2022, adopted XXXX XX, 2023, is hereby adopted by reference into the North Bay Village Comprehensive Plan.~~, along with the Miami-Dade Water and Sewer Department 20-Year Water Supply Facilities Work Plan (2014 – 2033), adopted February 4, 2015, inclusive of all potable water projects. The Work Plan will be updated as needed, at a minimum of every five years, or concurrent with any updates to the Miami-Dade Water and Sewer Department 20-Year Water Supply Facilities Work Plan (2014 – 2033).~~ The Village adopts by reference the Miami-Dade County Comprehensive Development Master Plan Amendments adopted January 19, 2023, the Miami-Dade Water and Sewer Department 10-year Water Supply Facilities Work Plan (April 2022), the *2018 Lower East Coast Water Supply Plan Update* (LEC) approved by the South Florida Water Management District (SFWMD) on November 8, 2018 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference. The Water Use Permit which was modified and approved by the SFWMD on March 8, 2022, will now expire on December 27, 2065.

Policy 7.5.13 The Village shall take all necessary steps to ensure that all future development shall comply with the landscape standards in Sections 18-A and 18-B of Miami-Dade County code and Chapter 40E-21, FAC, Water Shortage Plan.

Coastal Management Element

Policy 8.3.8: The Village will ensure that any new regulation to protect water resources is consistent with the most current Miami-Dade County's ~~2~~10- Year Work Plan and South Florida Water Management District's (SFWMD) environmental resource permitting and consumptive permitting use permitting rules.

Conservation Element

Policy 9.2.7: The Village will ensure that any stormwater management, aquifer recharge, and water reuse policies and projects are consistent with the Village's 10-Year Water Supply Work Plan Update, the~~ 2014~~ 2022 Miami-Dade County ~~2~~10-year Work Plan, and the South Florida Water Management District's ~~2013~~ 2018 Regional Supply Plan Update.

Policy 9.2.8: The Village will ensure that any new regulation to protect water resources is consistent with the most current Miami-Dade County's ~~2~~10- Year Work Plan and South Florida Water Management District's (SFWMD) environmental resource permitting and consumptive permitting use permitting rules.

Intergovernmental Coordination Element

Policy 11.3.16: Within eighteen months of approval of the South Florida Water Management District's most current Regional Lower East Coast Water Supply Plan Update adopted November 8, 2018, the Village shall revise the potable water sub-element to include a Water Supply Facilities Work Plan for at least a 10-year planning period addressing water supply facilities necessary to serve existing and new development for which the Village is responsible. (Same as Policy 7.5.4. from Sanitary Sewer, Solid Waste, Drainage & Aquifer Recharge Element)

Policy 11.3.19: The Village will coordinate with the South Florida Water Management District concerning its jurisdictional authority as necessary and support its efforts concerning the *2018 Lower East Coast Water Supply Plan Update*, ACCELER8 Everglades and

CERP and the Biscayne Bay Coastal Wetlands Project to protect an Outstanding Florida Water – Biscayne Bay. The Village hereby adopts by reference the Miami-Dade County Comprehensive Development Master Plan Amendments adopted January 19, 2023, the Miami-Dade Water and Sewer Department 10-year Water Supply Facilities Work Plan (April 2022), the *2018 Lower East Coast Water Supply Plan Update* (LEC) approved by the South Florida Water Management District (SFWMD) on November 8, 2018 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference. The Water Use Permit which was modified and approved by the SFWMD on March 8, 2022, will now expire on December 27, 2065.

Capital Improvements Element

Policy 12.1.5**:** The Village shall use level of service standards adopted in the various elements of this Comprehensive Plan in reviewing the impacts of new development and redevelopment upon public facility provision. The adopted levels of service shall be as follows:

Kennedy Causeway	D
Local Roads	C
Wastewater	~~110~~ 122 gpd per capita
Potable Water	~~148.11~~ 145.41 gpd per capita

* * *

Policy 12.2.6: North Bay Village recognizes that the Miami-Dade County Water and Sewer Department provides their potable water and although no capital improvement projects are necessary within the Village, or for which the Village will be financially responsible in connection with supply of potable water to the Village and its businesses and residents, the Village will support and coordinate with the Miami-Dade County Water and Sewer Department, as necessary, to assist in the implementation of their Capital Improvements projects ~~through the year 2033~~.

FIGURES/MAPS


Location within County
E TREASURE DR
GALLEON ST
JEWEL AVE
MUTINY AVE
HISPANOLA AVE
CUTLASS AVE
BUCCANEER AVE
BOUNTY AVE
ADVENTURE AVE
W TREASURE DR
S TREASURE DR
N TREASURE DR
PIRATES ALLEY
79 ST - JFK CAUSEWAY
79TH PKWY
BAY TER
BEACH VIEW DR
COQUINA DR
CENTER BAY DR
MIAMI VIEW DR
EAST DR
WEST DR
Legend
North Bay Village Limits
1 inch = 600 feet
Figure 1
North Bay Village - Location Map
Calvin, Giordano & Associates, Inc.
Document Path: J:\Atlas\fl_NorthBayVillage\Projects\2023\Location Map.mxd



Figure 2
North Bay Village - Wholesale Customer WASD Service Area



Figure 3
North Bay Village - Wellfield Protection Area Map

APPENDIX A: MDWASD 10-Year Water Supply Facilities Work Plan (April 2022)

Water Supply Plan Update
Village Commission Meeting First Reading
Sign-In Sheet
January 16, 2024

NAME	ADDRESS	PHONE	EMAIL
	NO ONE SPOKE ON THIS MATTER		

February 16, 2024

The Honorable Brent Latham
Mayor, North Bay Village
1666 Kennedy Causeway, 3rd Floor
North Bay Village, FL 33141

Dear Mayor Latham:

The Florida Department of Commerce (FloridaCommerce) has reviewed the proposed comprehensive plan amendment for North Bay Village (Amendment No. 24-01ESR) received on January 18, 2024. The review was completed under the expedited state review process. We have no comment on the proposed amendment.

The Village should act by choosing to adopt, adopt with changes, or not adopt the proposed amendment. For your assistance, we have enclosed the procedures for adoption and transmittal of the comprehensive plan amendment. In addition, the Village is reminded that:

- Section 163.3184(3)(b), F.S., authorizes other reviewing agencies to provide comments directly to the Village. **If the Village receives reviewing agency comments and they are not resolved, these comments could form the basis for a challenge to the amendment after adoption.**

- **The second public hearing,** which shall be a hearing on whether to adopt one or more comprehensive plan amendments, **must be held within 180 days** of your receipt of agency comments or the amendment shall be **deemed withdrawn** unless extended by agreement with notice to FloridaCommerce and any affected party that provided comment on the amendment pursuant to Section 163.3184(3)(c)1., F.S.

- **The adopted amendment must be transmitted to FloridaCommerce within ten working days after the second public hearing pursuant to 163.3184(3)(c)2., F.S.** Under Section 163.3184(3)(c)2. and 4., F.S., the **amendment effective date** is 31 days after FloridaCommerce notifies the Village that the amendment package is complete or, if challenged, until it is found to be in compliance by FloridaCommerce or the Administration Commission.

An equal opportunity employer/program. Auxiliary aids and service are available upon request to individuals with disabilities. All voice telephone numbers on this document may be reached by persons using TTY/TTD equipment via the Florida Relay Service at 711.

If you have any questions concerning this review, please contact Jana Williams, Planning Analyst, by telephone at (850)-717-8483 or by email at Jana.Williams@Commerce.fl.gov.

Sincerely,

James D. Stansbury, Chief
Bureau of Community Planning and Growth

JDS/jw

Enclosure(s): Procedures for Adoption

cc: Alex A. David, AICP, Planning Consultant to North Bay Village
Isabel Cosio Carballo, MPA, Executive Director, South Florida Regional Planning Council

An equal opportunity employer/program. Auxiliary aids and service are available upon request to individuals with disabilities. All voice telephone numbers on this document may be reached by persons using TTY/TTD equipment via the Florida Relay Service at 711.

SUBMITTAL OF ADOPTED COMPREHENSIVE PLAN AMENDMENTS

FOR EXPEDITED STATE REVIEW

Section 163.3184(3), Florida Statutes

NUMBER OF COPIES TO BE SUBMITTED: Please submit electronically using FloridaCommerce's electronic amendment submittal portal "**Comprehensive Plan and Amendment Upload**" (*https://fldeo.my.salesforce-sites.com/cp/*) **or** submit three complete copies of all comprehensive plan materials, of which one complete paper copy and two complete electronic copies on CD ROM in Portable Document Format (PDF) to the State Land Planning Agency and one copy to each entity below that provided timely comments to the local government: the appropriate Regional Planning Council; Water Management District; Department of Transportation; Department of Environmental Protection; Department of State; the appropriate county (municipal amendments only); the Florida Fish and Wildlife Conservation Commission and the Department of Agriculture and Consumer Services (county plan amendments only); and the Department of Education (amendments relating to public schools); and for certain local governments, the appropriate military installation and any other local government or governmental agency that has filed a written request.

SUBMITTAL LETTER: Please include the following information in the cover letter transmitting the adopted amendment:

_____ State Land Planning Agency identification number for adopted amendment package;

_____ Summary description of the adoption package, including any amendments proposed but not adopted;

_____ Identify if concurrency has been rescinded and indicate for which public facilities. (Transportation, schools, recreation and open space).

_____ Ordinance number and adoption date;

_____ Certification that the adopted amendment(s) has been submitted to all parties that provided timely comments to the local government;

_____ Name, title, address, telephone, FAX number and e-mail address of local government contact;

_____ Letter signed by the chief elected official or the person designated by the local government.

ADOPTION AMENDMENT PACKAGE: Please include the following information in the amendment package:

_____ In the case of text amendments, changes should be shown in strike-through/underline format.

_____ In the case of future land use map amendments, an adopted future land use map, **in color format,** clearly depicting the parcel, its future land use designation, and its adopted designation.

_____ A copy of any data and analyses the local government deems appropriate.

Note: If the local government is relying on previously submitted data and analysis, no additional data and analysis is required;

_____ Copy of the executed ordinance adopting the comprehensive plan amendment(s);

Suggested effective date language for the adoption ordinance for expedited review:

> "The effective date of this plan amendment, if the amendment is not timely challenged, shall be 31 days after the state land planning agency notifies the local government that the plan amendment package is complete. If the amendment is timely challenged, this amendment shall become effective on the date the state land planning agency or the Administration Commission enters a final order determining this adopted amendment to be in compliance."

_____ List of additional changes made in the adopted amendment that the State Land Planning Agency did not previously review;

_____ List of findings of the local governing body, if any, that were not included in the ordinance and which provided the basis of the adoption or determination not to adopt the proposed amendment;

_____ Statement indicating the relationship of the additional changes not previously reviewed by the State Land Planning Agency in response to the comment letter from the State Land Planning Agency.

DocuSign Envelope ID: AFDD3EAE-7D4C-48BA-95E4-C0DEE9E22331

Florida Department of Transportation

RON DESANTIS
GOVERNOR

1000 N.W. 111 Avenue
Miami, Florida 33172

JARED W. PERDUE, P.E.
SECRETARY

February 12, 2024

Mr. Alex A. David, AICP
Calvin, Giordano & Associates, Inc.
North Bay Village Planning Consultant
2103 Coral Way
Suite 810
Miami, FL 33233-0708

Subject: Comments for the North Bay Village Water Supply Facilities Work Plan and Comprehensive Plan Amendments FDEO #24-01ESR

Dear Mr. David:

Pursuant to Section 163.3184(3), Florida Statutes (F.S.), in its role as a reviewing agency as identified in Section 163.3184(1)(c), F.S., the Florida Department of Transportation, District Six, reviewed the proposed text amendments to the Water Supply Facilities Work Plan and Comprehensive Plan. The proposed amendments modify text within the Sanitary Sewer, Solid Waste, Drainage & Aquifer Recharge, Coastal Management Conservation, Intergovernmental Coordination, and Capital Improvements Elements.

The District reviewed the amendment package per Chapter 163 Florida Statutes and found the proposed text amendments would not adversely impact transportation resources and facilities of state importance.

Thank you for coordinating on the review of these proposed amendments with FDOT. If you have any questions, please do not hesitate to contact me by email at shereen.yeefong@dot.state.fl.us or at 305-470-5393.

Sincerely,

DocuSigned by:
B06CD06755954DD...
Shereen Yee Fong

DocuSign Envelope ID: AFDD3EAE-7D4C-48BA-95E4-C0DEE9E22331

Transportation Planner IV

Cc: Daniel Iglesias, P.E., Florida Department of Transportation, District 6
Dat Huynh, P.E., Florida Department of Transportation, District 6
Kenneth Jeffries, Florida Department of Transportation, District 6
Isabel Cosio Carballo, South Florida Regional Planning Council
Kathe Lerch, South Florida Regional Planning Council
Barbara Powell, Florida Commerce

From: Jefferson, Althea <ajeffers@sfwmd.gov>
Sent: Wednesday, February 21, 2024 1:05 PM
To: Alex David <ADavid@cgasolutions.com>
Subject: North Bay Village and Opa-Locka Work Plans

Hi Alex. As we discussed earlier, the District offers the following advisory comment for the North Bay Village and Opa-Locka Work Plans.:

Section 3.7.1 Regional County-Wide Efforts:

- Revise the statement , "*…wastewater reuse to address water supply demands is no longer required …" to "As such, specific wastewater reuse projects to address water supply demands currently are not included in MDWASD's water use permit, …" However, WASD is currently…"*

Respectfully,

Althea P. Jefferson, AICP
Senior Policy and Planning Analyst
Water Supply Implementation Unit
South Florida Water Management District
Office: 561-682-6779
AJeffers@SFWMD.gov | 3301 Gun Club Road, West Palm Beach, FL 33406

McClatchy

The Beaufort Gazette
The Belleville News-Democrat
Bellingham Herald
Centre Daily Times
Sun Herald
Idaho Statesman
Bradenton Herald
The Charlotte Observer
The State
Ledger-Enquirer

Durham | The Herald-Sun
Fort Worth Star-Telegram
The Fresno Bee
The Island Packet
The Kansas City Star
Lexington Herald-Leader
The Telegraph - Macon
Merced Sun-Star
Miami Herald
El Nuevo Herald

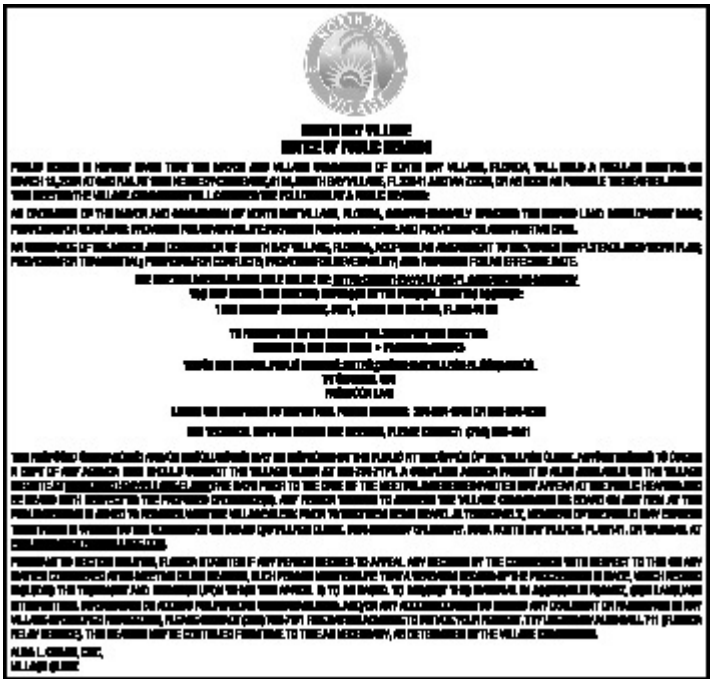
The Modesto Bee
The Sun News - Myrtle Beach
Raleigh News & Observer
Rock Hill | The Herald
The Sacramento Bee
San Luis Obispo Tribune
Tacoma | The News Tribune
Tri-City Herald
The Wichita Eagle
The Olympian

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Amount	Cols	Depth
31421	524260	Neighbors North Notice of Public Meeting	Notice of Public Meeting	$640.00	3	4.68 in

Attention: Alba Chang
CITY OF NORTH BAY VILLAGE
1666 KENNEDY CAUSEWAY #300
North Bay Village, FL 33141

villageclerk@nbvillage.com



PUBLISHED DAILY
MIAMI-DADE-FLORIDA

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

Before the undersigned authority personally appeared: Stefani Beard, who on oath says that he/she is CUSTODIAN OF RECORDS of The Miami Herald, a daily newspaper published at Miami in Miami-Dade County, Florida; that the attached copy of the advertisement that was published was published in said newspaper in the issue(s) of:
Publication: Neighbors
2 insertion(s) published on:
03/03/24

Affiant further says that the said Neighbors is a newspaper published at Miami, in the said Miami-Dade County, Florida and that the said newspaper has heretofore been continuously published in said Dade County, Florida each day and has been entered a second class mail matter at the post office in Miami, in said Miami-Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid or promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper(s).

Stefani Beard

Sworn to and subscribed before me this 4th day of March in the year of 2024

Stephanie Hatcher

Notary Public in and for the state of Texas, residing in Dallas County

STEPHANIE HATCHER
My Notary ID # 133534406
Expires January 14, 2026

Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!

ITEM NO. 13.B

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Silvia Vargas, Village Planner

SPONSORED BY:

SUBJECT: An Ordinance Comprehensively Updating the Unified Land Development Code - *Village Manager Ralph Rosado, Ph.D., AICP (Village Planner Silvia E. Vargas, FAICP)*

RECOMMENDATION

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, COMPREHENSIVELY UPDATING THE UNIFIED LAND DEVELOPMENT CODE; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Suggested Action: Adopt the proposed ordinance as presented by Staff with updates completed between 1st and 2nd reading, primarily to address Commission feedback received during 1st reading discussion. In addition, the proposed ordinance for second reading eliminates previously proposed amendments to Chapter 11 and Sections 15.2(F), 15.6(E), and 15.6(F), which pertain to sign regulations and will be addressed by a separate ordinance after further legal review.

BACKGROUND AND ANALYSIS

Purpose

To address areas of the ULDC where updates (mostly minor ones) will help improve clarity, flow, efficiency and user-friendliness of the document for the benefit of end users (e.g., realtors, designers, attorneys, residents, etc.) and administrators (i.e., Village staff, Planning and Zoning Board, and elected officials).

Background/History

Based on daily interaction with the ULDC and feedback from other users/impacted parties, for the past two-and-a-half years Staff has been flagging and annotating different sections within the ULDC with an eye toward introducing improvements in the following areas:

- Correction of identified scrivener's, grammatical and typographic errors.
- Update of references and cross-references, supported by the proposed introduction of hyperlinks.
- Neutralization of gendered language.
- Resolution of internal inconsistencies, which typically occur as a result of piecemeal amendments over time.
- Alignment of regulations with policies of the updated Comprehensive Plan.
- Calibration of regulations (even recent ones) which have been found to have unintended consequences.
- Removal/replacement/update of obsolete regulations (e.g., due to changes in conditions, evolution of best practices, etc.)
- Adaptation of regulations to better reflect the development needs of the community.
- Integration of recently adopted ordinances into the body of the ULDC for a complete, cohesive document, and renumbering sections as necessary.

The proposed ordinance and exhibit are attached. In addition to commonplace clean-up actions throughout the code, some chapters and sections of the ULDC were amended more extensively. A highlight of the most substantial changes follows:

1. **Chapter 3 - Definitions:** Certain definitions have been updated to align, when necessary, with previous/recent amendments to ULDC. New definitions have been introduced to describe terms introduced through the clean-up of other parts of the ULDC in this effort.
2. **Chapter 4 - Administration and Enforcement** : Among other notable changes, the notice requirements have been clarified and improved *. In addition, provisions have been introduced allowing for the formal creation of a technical development review committee with the intent to provide coordinated feedback to applicants of development applications prior to public hearing **. (*In collaboration with the Village Clerk; ** In collaboration with the Village Clerk and the Director of Public Works).
3. **Chapter 5 - Permits and Development Approvals** : Language has been added to clarify how development applications are reviewed *; what essential and supplementary information is required to be presented for site plan reviews; and how proposed development involving government uses and facilities will be treated for purposes of development review. A missing procedure for the submittal and approval of unity of title was introduced, as well as a new procedure for the issuance of certificates of use. (*In collaboration with the Village Clerk). Levels of service have been updated to reflect the 2023 EAR-based amendments to the North Bay Village Comprehensive Plan.
4. **Chapter 6 - Nonconformities:** Regulations related to the abandonment of a nonconforming use or structure have been clarified and further detailed.
5. **Chapter 7 - Variances:** The administrative adjustment section has been modified to introduce an option for non-single-family residential development, with different thresholds but the same procedure and requirements.
6. **Chapter 8 - Zoning:** Among other changes, the provisions for approving temporary sales and marketing offices have been modified in Sec. 8.11, Use Exceptions, mirroring the model provided by the recently adopted amendment to the temporary structures section in Chapter 15. New provisions have been introduced for the approval of construction trailers. Additionally, numerous clarifications and/or deletions of duplicative or unclear language have been made in Sec. 8.17 related to supplemental development standards. For example:
    - Ambiguously written regulations for green space in the front yard, awkwardly

included in the fence subsection, have been deleted and replaced in the parking subsection, with stronger and clearer restrictions on front-yard paving.
    - Also in the fence subsection, the rules pertaining to temporary construction fences covers have been further clarified.
    - The setback encroachments and swimming pool subsections have both been updated to better address situations that are often encountered with property owners within the Village.
    - In the Green Building Program division, some point thresholds have been raised, and the menu of green feature/green techniques available as options to achieve points has been expanded.
7. **Chapter 9 - Site Design Standards:** Additional clarification was provided regarding the following:
    - Flexibility to substitute loading zone sizes, closely reflecting the same standard in Chapter 15 of the ULDC.
    - Storage of commercial vehicles in commercial or mixed use properties.
    - Alignment of tree removal provisions with Florida Statutes.
    - Improve distinction between, and overall modernization of building and site design standards to better reflect current development types and patterns.
    - Modernization of CPTED approach.
8. **Chapter 11- Signs:** Clarification of the rules for removal of abandoned signs, and introduction of language regarding ADA compliance.
9. **Chapter 15 - Form-Based Code:** Strategic clean-up of ambiguities, inconsistencies and gaps.

<u>On December 6, 2023, the Planning and Zoning Board reviewed and voted to recommend to the Commission approval of the proposed amendments, as presented by Staff.</u>

Since the Planning and Zoning Board meeting, Staff has continued to work with CGA's traffic engineers, civil engineers, landscape architects, and planners, as well as Staff from the Village's Public Works, Code Enforcement, and Building departments, the Village Clerk and Village Attorney to further refine the proposed amendments. Feedback/recommendations from these experts has been incorporated into the attached updated package, focusing on the following aspects:

1. Level of Service (LOS) and concurrency (Chapter 5).
2. Required engineering and traffic impact statement submittals for purposes of development review.(Chapter 9).
3. Driveway standards and limitations on front yard paved areas (Chapter 9).
4. Limitations on the parking of commercial vehicles (Chapter 9).

Additionally, the Village Planner met with the Village's Sustainability and Resilience Task Force and addressed their input regarding proposed amendments to the Green Building Program (Chapter 8).

Notwithstanding the extent of the changes introduced, this effort is *not* meant to be a full overhaul of the ULDC, in the sense that there has been no major reorganization, the addition of tables or graphics, or other types of major changes.

At the January 16, 2024, Village Commission meeting, the Commission voted to defer the first reading of the ordinance to allow the Commission more time to review the proposed

amendments. The Planning and Zoning Official continued to work with professional staff to refine the proposals and address additional issues that have emerged.

Update

At the February 13, 2024 regular Commission meeting, the Commission voted to approve the proposed amendments on 1st reading, while asking for the following changes or additions:

1. Rename the "Workforce Housing Trust" fund as the " *Resilient* Housing Trust." The name of the Workforce Housing Program or the Workforce Housing Density Bonus remain unchanged, as do general references to workforce housing, to maintain consistency with the statutory and county definitions.
2. Add a requirement to show proof of development experience to the list of basic application requirements (modeled after the City of Hallandale's requirement for same). A few other items were also added to the "checklist."
3. Add docks, piers, lifts and similar waterside improvements to the list of development which triggers the seawall upgrade requirements.

In addition, the following issues raised during discussion were addressed:

1. Prohibition on closing Island Walk segments or connections.
2. Tree removals from public right of way.

A few additional minor refinements were introduced to other sections of the ULDC.

Finally, in order to provide for further legal review of the provisions of the ULDC relating to signs, the following sections are removed from this Ordinance and will remain "as-is" until further revisions are made by separate ordinance:

- Chapter 11
- Section 15.2(F)
- Section 15.6(E)
- Section 15.6(F)

For the convenience of readers, all changes introduced between 1st and 2nd readings are highlighted in teal throughout the document, which is attached as 2 - Exhibit A_ULDC Clean UP - 2nd reading.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)

n/a

PERSONNEL IMPACT

n/a

ATTACHMENTS

1 - Ordinance 2024-XX- ULDC Clean Up.docx
2 - Exhibit A_ULDC Clean Up - Changes for 2nd reading (030524-2).pdf
Notice of Public Hearing- MH.pdf

ORDINANCE NO. 2024-___

AN ORDINANCE OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, COMPREHENSIVELY UPDATING THE UNIFIED LAND DEVELOPMENT CODE; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, North Bay Village (the "Village") has adopted a Unified Land Development Code (the "ULDC") to promote the health, safety, order, convenience, comfort, and general welfare of the public, and to promote and preserve the character and ecological quality of the Village as articulated in the Village's Comprehensive Plan; and

WHEREAS, the NBV100 Comprehensive Plan's policies 1.1.1 and 2.1.1 require the Village to periodically update the ULDC to ensure alignment with, and proper implementation of the land use strategies of the Comprehensive Plan; and

WHEREAS, the Comprehensive Plan was amended through the Evaluation and Appraisal Review (EAR) process, completed via Ordinance 2023-002; and

WHEREAS, per Section 4.10 of the ULDC the Planning and Zoning Board is, among other duties, responsible for reviewing the provisions of the Unified Land Development Code at least every five (5) years, and for forwarding their recommendations to the Village Commission; and

WHEREAS, the last comprehensive update of the ULDC was in 2019 via Ordinance No. 2019-001A; and

WHEREAS, the Village Commission desires to comprehensively update and amend the ULDC, as provided in this Ordinance, to be consistent with the Comprehensive Plan and the provisions of the ULDC; and

WHEREAS, on December 6, 2023, the Planning and Zoning Board, sitting in its capacity as the Local Planning Agency, reviewed this Ordinance and recommended approval; and

WHEREAS, the modifications provided herein are consistent with the NBV100 Master Plan, the Village's Comprehensive Plan, and the Florida Community Planning Act; and

WHEREAS, this Ordinance was duly noticed and presented to the Village Commission in two readings, with second reading conducted as the required public hearing on_____, 2024; and

WHEREAS, the Mayor and Commission find that this Ordinance is in the best interest of the public health, safety, and welfare of the Village's residents and visitors.

NOW, THEREFORE, IT IS HEREBY ORDAINED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above recitals are true and correct and incorporated herein by this reference.

Section 2. Amending and Updating the ULDC. That the ULDC of North Bay Village is hereby revised to read as set forth in Exhibit "A," attached hereto and incorporated herein.

Section 3. Severability. That the provisions of this Ordinance are declared to be severable and if any section, sentence, clause or phrase of this Ordinance shall for any reason be held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining sections, sentences, clauses, and phrases of this Ordinance but they shall remain in effect, it being the legislative intent that this Ordinance shall stand notwithstanding the invalidity of any part.

Section 4. Conflicts. That all ordinances or parts of ordinances, resolutions or parts of resolutions, in conflict herewith, are repealed to the extent of such conflict.

Section 5. Codification. That it is the intention of the Village Commission, and it is hereby ordained that the provisions of this Ordinance shall become and be made a part of the Village's Code of Ordinances, and that the sections of this Ordinance may be renumbered or relettered to accomplish such intentions, and that the word Ordinance shall be changed to Section or other appropriate word.

Section 6. Effective Date. That this Ordinance shall become effective immediately upon adoption on second reading.

PASSED on first reading on the 13 day of February 2024.

PASSED AND ADOPTED on second reading on the __ day of _____, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____

Weiss Serota Helfman Cole & Bierman, P.L.
Village Attorney

First Reading:
Moved By: _____
Seconded By: _____

Second Reading:
Moved By: _____
Seconded By: _____

Vote on Final Adoption:

Mayor Brent Latham	___
Vice Mayor Richard Chervony	___
Commissioner Goran Cuk	___
Commissioner Andrew Rotondaro	___
Commissioner Rachel Streitfeld	___

Exhibit A[1]

* * *

[1] Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes between first and second reading are indicated with ~~double strikethrough~~ and double underline.

CHAPTER 1, GENERAL

§ 1.1 - Title.

This code shall be entitled the North Bay Village Unified Land Development Code and may also be herein referred to as the "ULDC."

§ 1.2 - Authority.

The North Bay Village Unified Land Development Code is enacted pursuant to *Chapter 163, Part II*, and *Chapter 125*, Florida Statutes.

§ 1.3 - Findings.

A. According to *Chapter 163*, Florida Statutes, each local government in Florida must enact a Uunified Lland Ddevelopment Ccode which is consistent with the *Comprehensive Plan* and implements the same.

B. The Unified Land Development Code must contain all of the Village's land development regulations.

1. All proposed developments within North Bay Village must be reviewed to ensure compliance with the Village's Comprehensive Plan and the requirements of this Unified Land Development Code.

§ 1.4 - Intent.

The primary intent of this ~~c~~Code is to achieve the following:

A. Guiding and accomplishing coordinated, adjusted, and harmonious development in accordance with the Village's existing and future needs.

B. Protecting, promoting, and improving public health, safety, comfort, order, convenience, and general welfare.

C. Protecting the character and maintaining the stability of the residential areas.

D. Directing and controlling through the establishment of performance standards, the type, density, intensity, and distribution of development.

§ 1.5 – Interpretation and conflict.

A. *Interpretation*. In interpreting and applying the provisions of these regulations, they shall be held to be the minimum requirements for the promotion of the health, safety, morals, order, convenience, and general welfare of the *Village*.

B. *Conflict.* It is not intended by these regulations to interfere with, abrogate, or annul any *Easement*, covenants, or other agreement between parties; however, where these regulations impose a greater restriction upon the use of *Buildings* or premises or upon the height of buildings, or require larger *Open Spaces*, *Yards*, *Lot Areas* than are imposed or

required by other ordinances, rules, regulations, easements, covenants, or agreements, the provisions of these regulations shall govern.

§ 1.6 - Validity.

If any ~~s~~Section, paragraph, subdivision, clause, phrase, or provision of these regulations are adjudged invalid or held unconstitutional, this shall not affect the validity of these regulations as a whole, or any part or provisions thereof, other than the part so decided to be invalid or unconstitutional.

§ 1.7 - Repeal clause.

All county ordinances, resolutions, or special laws applying only to the *Village*; any general laws which the *Village Commission* is authorized by the Charter to supersede, nullify, modify, or amend; or any part of any such ordinance, resolution, or law in conflict with any provision of this ULDC is hereby repealed.

CHAPTER 2, RELATIONSHIP TO THE COMPREHENSIVE PLAN

§ 2.1 - Purpose and intent.

The Future Land Use Element of the adopted *Comprehensive Plan* for North Bay Village describes the future land use categories within the *Village*. These land use categories are illustrated on the *Future Land Use Map* in the Comprehensive Plan. All future development or redevelopment of property within North Bay Village must be consistent with the goals, objectives, and policies expressed in the adopted Comprehensive Plan and with the ~~future land use map~~ Future Land Use Map. The Unified Land Development Code is intended to implement the Comprehensive Plan. In the event of a conflict between the Comprehensive Plan and the Unified Land Development Code, or any other *Village* regulation, the provisions of the Comprehensive Plan shall take precedence.

§ 2.2 – Relationship between future land use categories and zoning districts.

The future land use categories defined in the *Future Land Use Element* and delineated on the *Future Land Use Map* in said element shall be the determinants of permissible activities on any parcel of land within the *Village*. They are established to regulate and restrict the location of commercial, public, and semi-public uses, and residences, and the location of buildings erected or altered for specific uses to regulate or limit population density, and intensity of use of lot areas. The *Zoning District* and associated regulatory provisions identified in the Unified Land Development Code are intended to implement the goals, objectives and policies and *Future Land Use Map* in the *Comprehensive Plan*. In the event of a conflict between a provision in the Comprehensive Plan and any provision regulating development within a zoning district, the provisions of the Comprehensive Plan shall take precedence

A. *Residential future land use categories.*

There are three residential future land use categories in the Village's *Comprehensive Plan* that are applied to lands throughout the *Village*. Lands located within these categories are to be devoted to dwelling units used or intended to be used for permanent housing.

1. The single-family residential category allows a density of up to six *Dwelling Units* per acre. Zoning districts RS-1 and RS-2 fall under this land use category.
2. The medium density multi-family residential category allows for residential density up to 40 dwelling units per acre. RM-40 is the only zoning district consistent with this future land use category.
3. The high-density multi-family residential category allows up to 70 dwelling units per acre with ancillary commercial uses up to 0.5 *FAR*. RM-70 is the only zoning district consistent with this future land use category.

B. *Commercial future land use category.*

This category designates those areas in the *Village* suitable for commercial and *Mixed-Use* development. Uses permitted include a broad range of general and professional office, retail, banking, hotel, service establishments and high-density residential development, up to 150 dwelling units per acre, in conjunction with commercial, which shall not exceed a maximum

intensity of 13.0 times the net lot area of the subject property. This category includes the Urban Core Zone designated as *T6-24* and *T6-30*. Allowable uses, density and intensity standards are enumerated in *Chapter 15* of this Code.

C. *Institutional future land use category.*
The purpose of this category is to provide an area for either nonprofit or for profit institutional facilities or quasi-public uses, including, but not limited to religious facilities, nursing homes, community centers, public or private schools or colleges, and hospitals or clinics up to 2.0 FAR.

D. *Public buildings/grounds future land use category.*
This category provides sites for public/semi-public uses such as *Village* hall, police station, public works building, post office, and other agency facilities primarily serving the public up to 2.0 FAR.

E. *Educational future land use category.*
This category provides sites for public schools, associated facilities, and grounds up to 2.0 FAR.

F. *Recreation and open space future land use category.*
This category is intended to provide for permanent public parks and *Open Spaces* for recreational use, protection of natural resources, and urban buffers up to 0.25 FAR.

CHAPTER 3, DEFINITIONS

For the purpose of this ~~chapter~~Chapter, the following definitions shall apply unless the context clearly indicates or requires a different meaning. Different chapters throughout this Code might have term definitions ~~Refer to Chapter 8, Section 8.10.1 and to Chapter 15, Section 15.4. for definitions of terms~~ that are pertinent to ~~Chapter 15~~ those Chapters of this Code. If a term is not defined in this ~~s~~Section, or in each ~~C~~chapter~~s 8 and 15~~, the *Village Manager*, or ~~his/her~~ designee, shall determine the definition of the term. If there is a conflict between definitions provided in any C~~c~~hapter~~s 8 or 15~~ and those provided in this ~~s~~Section, ~~Chapters 8 and 15~~the definitions in the other chapters shall take precedence for the respective definition, as may be relevant and appropriate.~~:~~ All terms and definitions are organized in alphabetical order.

A.

Accessory ~~b~~Building~~. A detached subordinate building or a portion thereof, the use of which is incidental to or customary in connection with the main building or use and which is located on the same lot with such main building.~~ A secondary *Structure* on a *Lot* or *Parcel,* subordinate to, and not forming an integral part of, the main or *Principal Building*, but pertaining to the use of the main building.

Accessory Dwelling Unit (ADU). A *Dwelling Unit* sharing ownership and utility connections with a *Principal Building* and contained on the same *Lot*. An Accessory Dwelling Unit may be attached ~~by a Backbuilding to~~ or detached from the ~~Primary~~ *Principal Building*, and the unit shall not count towards maximum *Density* calculations. Also known as an Accessory Unit, Ancillary Unit, or Ancillary Dwelling Unit.

Accessory ~~u~~Use. A subordinate use, which is incidental to or customary in connection with the *Main Building* or *Use* and is located on the same lot with such main building use.

Acre, ~~g~~Gross. 43,560 square feet.

Acre, ~~n~~Net. ~~That~~A portion of a *Gross Acre* exclusive of dedication for official *Right-of-Way* and other *Easements*.

~~*Assisted living facility:* Any building or buildings, section or distinct part of a building, private home, boarding home, home for the aged, or other residential facility, whether operated for profit or not, which undertakes through its ownership or management to provide housing, meals, and one or more personal services for a period exceeding 24 hours to one or more adults who are not relatives of the owner or administrator.~~

Advertising Structure. Any rigid or semi-rigid material, with or without a sign displayed thereon, situated on, or attached to, real property or mobile objects and vehicles outdoors for the purpose of furnishing a background, base, or support on which a sign may be posted or displayed.

Aggregate ~~a~~Area or ~~a~~Aggregate ~~w~~Width. The sum of two or more designated areas or widths to be measured, limited, or determined under these regulations.

Alcoholic ~~b~~Beverage. All beverages containing one-half of one percent or more of alcohol by volume, ~~A~~as defined by ~~*Section 561.01(4)*, Florida Statutes and~~ *Chapter 111*, *Village* Code of Ordinances. Refer to *Section 561.01(4)*, Florida Statutes for supplemental definitions.

Alley. A public or private road which affords only a secondary means of access to abutting property and which is not otherwise designated as a *Street*.

Amenity. A feature of a building or place which is not essential to its use but is provided to add comfort and convenience for those occupying the property. Amenities are included to make a property more valuable to potential buyers or tenants and encompass additions above the buyers' or tenant's basic needs. Examples of property-specific amenities include but are not limited to swimming pools, workout facilities, and internet.

Amusement ~~c~~Center. Any indoor place or enclosure which contains three or more amusement devices of any description, including but not limited to pinball games, computer games, or games of chance for the public amusement, patronage, or recreation.

Ancillary Nature. Supportive of the primary activities or operations of a primary use; a facility or activity which would not exist absent the primary use. Uses ancillary in nature are complementary and of a smaller scale and size to the *Principal Use* or *Structure* on a site.

Apartment. A room or group of rooms within a *Multi-Family Dwelling* arranged or designed to be used as a home or residence for one family, with kitchen or kitchenette and bathroom for the exclusive use of the one family.

Apartment, ~~e~~Efficiency. A *Dwelling Unit* consisting of not more than one habitable room, with kitchen or kitchenette, and bathroom.

Apartment ~~h~~Hotel. A *Multi-Family Residential Building* designed for or containing both apartments and individual guest rooms or rental units under resident supervision, and which maintains an inner lobby through which all tenants must pass to gain access to apartments, rooms, or units.

Artwork. A tangible creation by an artist exhibiting the highest quality of skill and aesthetic principles and includes all forms of the visual arts conceived in any medium, material, or combination thereof, including, but not limited to, paintings, sculptures, engravings, carvings, frescos, stained glass, mosaics, mobiles, tapestries, murals, photographs, video projections, digital images, bas-relief, high relief, fountains, kinetics, collages, drawings, monuments erected to commemorate a person or an event, functional furnishings, such as artist designed seating and pavers, architectural elements designed by an artist, and artist designed landforms or landscape elements.

~~*Arterial street*. A street designated as a major arterial street on the circulation plan for the Village.~~

Assisted ~~l~~Living ~~f~~Facility: Any ~~b~~*Building*(s) ~~or buildings~~, ~~s~~Section(s) or distinct part(s) of a building, private home, boarding home, home for the aged, or other residential facility, whether operated for profit or not, which undertakes through its ownership or management to provide housing, meals, and one or more personal services for a period exceeding 24 hours to one or more adults who are not relatives of the owner or administrator.

Auction ~~m~~Market. Any premises on which are held, either regularly or periodically, auction sales of merchandise or personal property.

Automobile ~~r~~Rental ~~a~~Agency. An establishment whose primary purpose is the renting or leasing of passenger vehicles to the public.

Awning. A detachable, roof like cloth or metal cover, supported from the *Wall* of a *Building* for protection from sun or weather.

B.

Bar. An indoor or outdoor establishment devoted to selling, serving, or dispensing any *Alcoholic Beverages* as its primary source of revenue, or any place where a *Sign* is displayed indicating that alcoholic beverages are obtainable for consumption on the premises, and where, if entertainment is provided, it is by no more than one person at a time.

Barrier. A *Fence*, dwelling wall or non-dwelling wall, or any combination thereof, which completely surrounds ~~the~~ a *Swimming Pool* and obstructs access to ~~the swimming pool~~ it, especially ~~access~~ from the residence or from the *Yard* outside the barrier.

Barrier ~~r~~Requirements. *Swimming Pools* shall comply with all the requirements set forth under the building and zoning requirements as set forth in the *Village*'s ordinances and the *Florida Building Code*.

Basement. That portion of a *Building* between the floor and ceiling which has at least one-half of its height below the grade of the adjoining ground, and the ceiling of which is not more than four feet six inches above grade.

Beer. A brewed beverage that contains less than six percent (6%) alcohol by volume ~~A~~as defined in *Section 563.01*, Florida Statute, and regulated in *Chapter 111*, Village Code of Ordinances.

Bioswale. A storm water runoff conveyance system that provides an alternative to storm sewers. Bioswales absorb low flows or carry runoff from heavy rains to storm sewer inlets or directly to surface waters. Bioswales improve water quality by infiltrating the first flush of storm water runoff and filtering the large storm flows they convey.

Biscayne Bay: Encompasses all of Biscayne Bay and all associated tributaries of the Bay within the limits of the *Village*. ~~limits of North Bay Village~~.

Block. The length of a *Street* between two street intersections.

Board. The *Planning and Zoning Board*, which is that duly~~,~~ designated advisory board charged with reviewing *Village* planning, zoning, and beautification matters.

~~*Boundary of dDistrict*. The centerline of a *Street* or *Right-of-Way*; also, the centerline of the alleyway between the side or rear property lines, or where no alleyway or passageway exists, the rear or side property lines of all lots bordering on any district limits.~~

Breezeway. A covered passageway or space between the *Principal Building* and an *Accessory Building* open on two sides, and the roof of which is structurally integrated with the buildings it separates.

Building. Any structure having a roof supported by columns or walls for the shelter or enclosure of persons on property.

Building ~~w~~Width. The width of the *Lot* left to be built upon after the required *Side Yard* and *Setbacks* are provided.

~~*Building*. Any structure having a roof supported by columns or walls for the shelter or enclosure of persons or property.~~

Building, ~~c~~Completely ~~e~~Enclosed. A *Building* having no outside openings other than ordinary doors, windows, and ventilators.

Building ~~l~~Line. That line between which, and the distance on the lot parallel and back from the *Street Line*, in which no *Building* or part thereof may be erected, except as provided in these regulations.

Building Official. The *Village* official responsible for building inspection and the issuance of permits in this respect, or a duly authorized person acting in the same capacity.

Building Permit. A certificate issued by the *Building Official* authorizing the construction, reconstruction, remodeling, alteration, or repair of a building or other structure, upon approval of the submitted application and plans.

Bulk. A term used in these regulations to describe the size and shape of a *Building* or *Structure*, and its relationship to other buildings, to the lot area for a building, and to *Open Space* and *Yards*.

Bulkhead. A *Wall* constructed along the *Bay* to retain or resist lateral displacement of any material back of it. For the purpose of this ~~c~~Chapter, the bayside face of the established bulkhead cap shall be regarded as the point of measurement for *Setback* requirements of all *Structures* fronting on the ~~b~~Bay.

C.

Cabana. An *Accessory Structure*, usually in connection with a *Swimming Pool*.

Cabaret. A *Bar*, which provides entertainment, and which may or may not serve food, and which~~,~~ is accessory to a hotel, motel, or other *Building*, as provided in these regulations.

Cafeteria. See *Restaurant*.

Canopy. A detachable, roof like cloth or metal cover supported from the ground, deck, or floor of a *Building*, and from the walls of a building, for protection from sun or weather.

Carwash. Any *Building* or *Structure* which uses specialized mechanical devices for the washing of motor vehicles.

~~*Centerline, street*. A line parallel or nearly parallel to the right-of-way lines of a street and halfway between them as established by the Building and Zoning Official.~~

Certified ~~s~~Survey. A survey, sketch, plan, map, or other exhibit is said to be certified when a written statement regarding its accuracy or conformity to specified standards is signed by the specific professional engineer, registered surveyor, architect, or other legally recognized person.

Childcare. ~~See~~ As defined in *Day Care Nursery*.

Clinic. An establishment where patients are not lodged overnight but are admitted for examination and treatment by a group of physicians or dentists practicing medicine together. The term does not include a place for the treatment of animals.

Club, ~~p~~Private. A *Building* ~~and a~~, facilities, or premises used or operated by an organization or association for some common purpose, such as, but not limited to, ~~a fraternal,~~ social, educational, or recreational purposes, but not including clubs organized primarily for profit or to render a service, which is customarily carried on as a business. Such organizations and associations shall be incorporated under the laws as a non-profit corporation and the major purpose of such corporations shall not be for the purpose of serving *Alcoholic Beverages* to its members or others.

Coffee ~~s~~Shop, Snack ~~b~~Bar, or Sandwich ~~s~~Shop. An establishment where sandwiches, coffee, soft drinks, tea, or similar foods are served, but having no *Kitchen Facilities*.

Commercial ~~s~~School. A training institution operated on a profit or non-profit basis offering instruction in stenographic, secretarial, bookkeeping, and related business skills; offering training in electronic data a processing techniques, skills, or equipment repair; or offering training leading to proficiency in a vocational skill.

Concurrency. A ~~S~~state law requiring that infrastructure be in place before development occurs.

Convalescent ~~h~~Home. A *Building* where regular nursing care is provided for more than one person not a member of the family which resides on the premises.

Cool ~~p~~Pavement. A surface that uses additives to *Reflect Solar Radiation* unlike conventional dark pavement. Conventional dark pavements contribute to urban heat islands as they absorb 80–95% of sunlight and warm the local air. In addition to conventional streets and roads, cool pavement can be a surface of a parking lot, driveway, accessway, trail or other improved pathways. Cool pavement is also referred to as a white road.

Cool ~~r~~Roof. A roof that has been designed to *Reflect Solar Radiation* ~~more sunlight~~ and absorb less heat than a standard roof. Cool roofs can be made of a highly reflective type of paint, a sheet covering, or highly reflective tiles or shingles. A high solar reflectance—or albedo—is the most important characteristic of a cool roof as it helps to reflect sunlight and heat away from a *Building*, reducing roof temperatures. Cool roof is also referred to as a white roof.

Customer ~~s~~Service ~~a~~Area. Inside/outside seating areas for *Restaurants*, *Bars*, lounges, and similar, exclusive of kitchen, office, hallways, storage, and similar building areas.

D.

Day ~~c~~Care ~~n~~Nursery. An establishment providing care of children during the day, but not overnight, including four or more children not members of the resident family; nurseries for children of working mothers; kindergartens; nursery schools for children under the minimum age for admission to public schools, or for after-school care of school children; and other establishments of a similar nature.

Density. The number of *Dwelling Units* within a standard measure of land area, usually given as units per acre.

Development. Any improvement to land or existing structures that are necessary to carry out the functions of urban living.

District. Any section of the *Village* within which the zoning regulations are uniform.

District Boundary. The centerline of a *Street* or *Right-of-Way* between different zoning districts; also, the centerline of the alleyway between the side or rear property lines, or where no alleyway or passageway exists, the rear or side property lines of all lots bordering on any district limits.

Drive-in or *Drive-through*. An establishment that, by design, physical facilities, service, or packaging procedures, encourages or permits customers to receive services, obtain goods, or be entertained while remaining in their motor vehicles.

Driveway, Circular. A driveway that has an entrance at the road, rounds off as it approaches the house and then has a separate exit lane leading back to the road. Sometimes referred to as a "horseshoe driveway."

Driveway, Linear. A driveway consisting of a paved area leading straight from a public road to a house or garage.

Driveway, Ribbon. A driveway consisting of two parallel strips of concrete, mortar-set stone or brick, or solid or turf pavers with an open, unpaved space in between. Sometimes referred to as a "Hollywood driveway."

Dwelling. A *Building* or portion thereof, designed or used exclusively for residential occupancy, but not including *Mobile Homes*.

A. *Dwelling, Efficiency*. A ~~residential~~ *Dwelling Unit*, which is comprised of a single room for sleeping and cooking, exclusive of a bathroom.

B. *Dwelling, Hotel Room.* A group of more than twenty-five (25) *Lodging Units* ~~exceeding twenty-five (25) units~~, which is used on a temporary basis by transient guests and usually providing meals, entertainment, and other services for the guests. ~~that may provide services for dining, meeting, and recreation.~~

C. *Dwelling, ~~h~~Hotel ~~s~~Suite*. A group of *Hotel Rooms* connected together.

D. *Dwelling, Multi-Family.* A *Building* or portion thereof, containing three or more *Dwelling Units*, where each unit has sleeping quarters, *Kitchen Facilities*, bathroom, ventilation, and lighting under control of one family and the unit has direct access to the outside or to a common hall. A multifamily *Structure* where *Dwelling Units* are available for lease or rent for less than one month shall be considered *Lodging Units*.

E. *Dwelling, ~~s~~Single-~~f~~Family*. A private residence *Building* used or intended to be used as a home in which all living areas are accessible to each other from within the building, and which shall have sleeping quarters, *Kitchen Facilities*, bathroom, ventilation, and lighting under control of and designed for the exclusive use of one family.

F. *Dwelling, ~~s~~Single-~~f~~Family ~~d~~Detached*. A *Single-Family Dwelling* surrounded by *Yards* or other *Open Spaces* on the same *Lot*.

G. *Dwelling, Two-Family.* Two (2) *Dwelling Units* sharing a detached *Building*, where each Dwelling Unit ~~of which~~ provides a residence for a single housekeeping unit. Also known as a duplex.

Dwelling ~~u~~Unit. A room, or group of rooms, occupied or intended to be occupied as separate living quarters by a single family or other group of persons living together as a household, or by a person living alone. A structure or part of a structure shall be deemed a dwelling unit if it contains Kitchen Facilities and an area that constitutes a bedroom.

E.

Easement. A "nonpossessory" property interest that allows the holder of the easement to have a *Right-of-Way* or otherwise use property that they do not own or possess. It does not allow the easement holder to occupy the *Land* or to exclude others from the land unless they interfere with the easement holder's use.

Electric Vehicle (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are electric vehicles having a second source of motive power. Off-road, self-propelled electric mobile equipment, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats and the like, are not considered electric vehicles.

Electric ~~v~~Vehicle ~~c~~Charging ~~s~~Station. A parking space that is reserved for and served by electric vehicle charging station equipment that has as its primary purpose the transfer of electric energy (by conductive or inductive means) to a battery or other energy source device in an electric vehicle.

Electric Vehicle Capable Space. Electrical panel capacity and space to support a minimum 40-ampere, 240-volt branch circuit for each EV parking space, and the installation of raceways, both underground and surface mounted, to support the EVSE.

Energy Star®. A government-backed labeling program that helps people and organizations save money and reduce greenhouse gas emissions by identifying factories, office equipment, materials, home appliances, and electronics that have superior energy efficiency. Energy Star is a joint program of the *US Environmental Protection Agency* (EPA) and the *US Department of Energy* (DOE).

Essential ~~s~~Services. A public health, safety, or general welfare service that might require t~~T~~he erection, construction, alteration, or maintenance by a public utility or municipal agency of underground or overhead transmission, distribution, or collection systems necessary for the furnishing of adequate service by that utility or agency to the use on the same lot or the surrounding neighborhoods. ~~of, for the public health, safety, or general welfare.~~

F.

Family. An individual or two or more persons related by blood or marriage, or a group of not more than ~~five~~ six (6) persons who need not be related by blood or marriage, living together as a single housekeeping unit in a *Dwelling*.

Fast ~~order~~ food. Food which is primarily included for immediate consumption; available upon a short waiting line; packaged or preserved in such a manner that it can be readily eaten outside the premises where it is sold; served on ~~paper plates or in paper or Styrofoam~~ disposable containers; and of a self-service nature, that is, no waiters or waitresses are involved. Patrons phone in or place their order at a counter and take it to a table on the premises or leave the premises.

Fence. A vertical *Structure* forming a physical *Barrier* which is so constructed that no less than 50% of the vertical surface is open to permit the transmission of light, air, and vision through the surface in a horizontal plane. (For board and other solid barriers, see *Wall*).

Floor ~~a~~Area. The sum of the gross horizontal areas of the several floors of a *Building* or buildings, measured from the exterior faces of exterior *Wall* or from the centerline of walls separating two attached buildings. However, for the purposes of those regulations, the gross floor areas of a building shall not include:

A. *Basement* space; ~~however, basement space used for retailing shall be included for the purpose of calculating requirements for accessory~~ used as *Off-Street Parking Space* and accessory off-street loading berths. Used for on-site parking is permitted

B. Accessory water tanks or cooling towers.

C. Uncovered steps and exterior balconies, except otherwise indicated.

D. Attic space, whether or not a floor actually has been laid, providing structural headroom of less than seven feet six inches (7'-6").

E. Terraces, breezeways, screen enclosures, or open porches.

F. Floor space used for permitted or required accessory off-street parking, in any *Building* except *Single-Family* and *Two-Family Dwellings* or *Accessory Buildings* thereto.

~~*Frontage, lot*. The distance for which the front lot line and the street line are coincident.~~

Floor Area Ratio (FAR). The floor area of the *Building* or buildings on any *Lot* divided by the area of the lot.

Floor Lot Ratio (FLR). The multiplier applied to the total *Lot Area* that determines the maximum building area allowed above grade in a given zoning designation.

Floorplate. The total indoor and outdoor *Floor Area* of any given *Story* of a *Building* measured to the exterior of the *Wall* or balcony.

Florida Green Building Coalition (FGBC). A Florida nonprofit corporation dedicated to improving the built environment. The FGCB administers the green design standards of the FGBC's building and community rating systems and administers the FGBC Certifying Agents accreditation program.

G.

Garage, ~~p~~Parking. A *Building* or portion thereof used for indoor parking of private passenger vehicles, whether for use of residents or visitors to the building or to buildings in the vicinity.

Garage, ~~r~~Repair. An establishment or portion thereof used for the equipping, servicing, repairing, hiring, selling, storing, or parking of motor-driven vehicles. The term Repairing shall not include an automotive body repair shop or the rebuilding, dismantling, or storage of wrecked or junked vehicles.

Garage, ~~s~~Storage. A *Building* or portion thereof, designed or used exclusively for term storage of motor-driven vehicles, as distinguished from daily storage, and at which motor fuels and oils are not sold, and motor-driven vehicles are not equipped, repaired, hired, or sold.

Grade. The highest elevation of a paved street in front of any property.

Green ~~b~~Building. A sustainable or high-performance *Building*. The practice of creating *Structures* and using processes that are environmentally responsible and resource-efficient throughout a building's life-cycle from siting to design, construction, operation, maintenance, renovation and deconstruction. This practice expands and complements the classical building design concerns of economy, utility, durability, and comfort.

Green ~~b~~Building ~~f~~Feature. ~~These are~~Any feature~~s~~ that ~~are~~is specific to and serve~~s~~ an individual project or *Building* ~~and include features~~ such as *Green Walls*, *Green Roofs*, *Electric Vehicle Charging Stations*, *Photovoltaic Systems*, *Solar Water Heater* Systems, bicycle racks and storage, and *Wind Turbines*.

Green ~~i~~Infrastructure. ~~This is~~ A~~a~~lso known as *Low Impact Development* (LID). This is an approach to water management that protects, restores, or mimics the natural water cycle. Conventional piped drainage and water treatment systems referred to as grey infrastructure are designed to move urban stormwater away from the built environment, green infrastructure reduces and treats stormwater at its source while delivering environmental benefits. A rain garden is an example of green infrastructure or LID.

Green ~~r~~Roof. The roof of a *Building* that is partially or completely covered with vegetation and a growing medium, planted over a waterproofing membrane. It may also include additional components such as a root barrier, drainage and irrigation system, and soil containment. This is also referred to as a living roof.

Green ~~s~~Space. An *Open Space* outdoors, at grade, unroofed, and landscaped with any of the following or a combination thereof: materials such as, but not limited to, grasses, groundcover, sods, shrubs, vines, trees, palms, or decorative rock mulch; but excluding sand, gravel, pavers or pavement.

Green ~~w~~Wall. A vegetated façade with an integrated system in which plants grow on a vertical surface or building façade in a controlled fashion and with regular maintenance. Green walls include a vertically applied growth medium such as soil, substitute substrate, or hydroculture felt, as well as an integrated irrigation or fertigation delivery system. They are also referred to as ~~L~~living ~~W~~walls.

Grow ~~h~~House. A grow house is a property, usually located in a residential neighborhood, that is primarily used for the production of *Marijuana* but may also be used as a *Dwelling*. The houses are typically outfitted with equipment to provide water, food, and light to the marijuana plants, and the houses themselves are usually kept in good condition to blend in with the neighborhood. Illegal electrical hookups are a common feature of ~~g~~Grow ~~h~~Houses, to both save money and to make it harder for authorities to identify them due to their unusually high electrical usage.

Guest ~~h~~House. A ~~L~~living quarter~~s~~ within a detached *Accessory Building* located on the same *Lot* with the ~~main~~ *Principal Building* for use by temporary guests of the occupants of the premises, such quarters having no *Kitchen Facilities* or separate utility meters and not rented or otherwise used as a separate *Dwelling*.

H.

Hardship, ~~n~~Necessary. A ~~R~~restriction~~s~~ upon the uses of a particular property which promote the objectives of these regulations, provided such restrictions apply to all *Land* within the same *District* (e.g. if commercial uses are prohibited in a district, this may result in a hardship to the property owners; but it is a hardship which is necessary to the purpose of this chapter in the first place).

Hardship, ~~u~~Unnecessary. An ~~A~~arduous restriction~~s~~ upon the uses of a particular property, which ~~are~~ is unique and distinct from that of adjoining property owners. Granting of relief from an unnecessary hardship should not violate sound zoning principles, including considerations that: adjacent properties will not be substantially reduced in value, it is not granting a special privilege not to be enjoyed by others in similar circumstances, and the public interest is maintained, including following the spirit of this ~~c~~Chapter and the ~~comprehensive master plan~~ *Comprehensive Master Plan*. Invalid and nonjusticiable bases for pleading unnecessary hardship include but are not limited to:

A. Loss of the "best" use of the *Land*, and business competition.

B. Self-created hardships by the applicant's own acts.

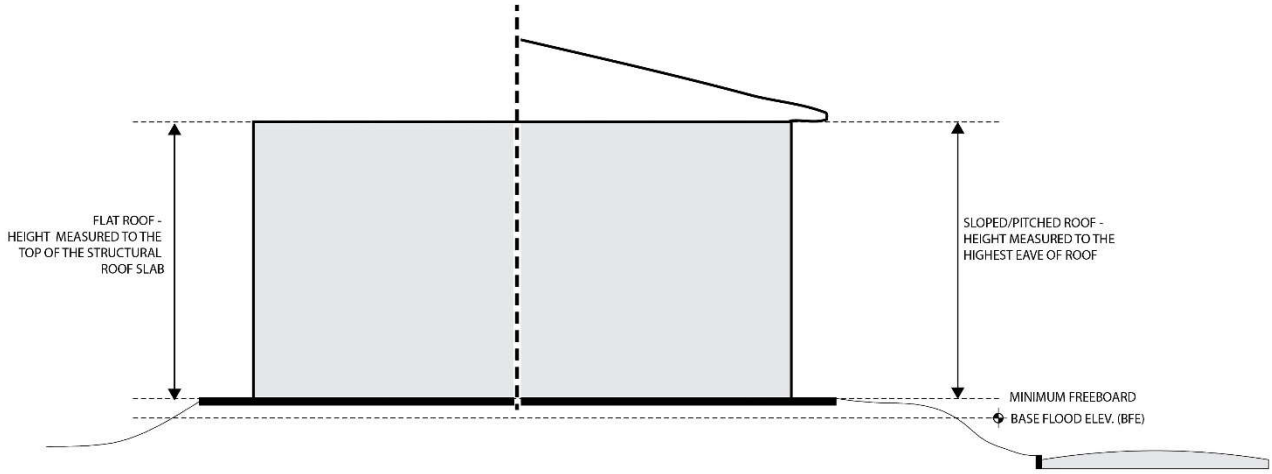
C. Neighboring violations and nonconformities.

D. Claims of inability to sell the property.

E. General restrictions of this ~~c~~Chapter.

Hedge. A row of bushes or small trees planted close together in such a manner as to form a boundary or *Barrier*.

Height of ~~b~~Building. The height of a *Building* shall be measured from the required *Base Flood Elevation* (BFE) for the *Lot*, plus minimum freeboard, to the top of the structural roof slab for a flat roof or to the highest eave of a pitched/sloped roof. See also Chapter 15, *Section 15.3.C.2.c.*



Home ~~o~~Occupation. Any activity for which an occupational license of the *Village* is required by law, which is conducted within a *Dwelling Unit* in a residential district.

Hospital. A *Building* or group of buildings having room facilities for one or more overnight patients, used for providing services for the in-patient medical or surgical care of sick or injured humans, and which may include related facilities such as laboratories, out-patient departments, and training facilities. A central service facility must be an integral part of the hospital operations.

Hotel. ~~A building in which lodging is provided and offered to the public for compensation, and in which ingress and egress to and from all rooms are made through an inside lobby or office supervised by a person in charge at all times. See also Dwelling, Hotel Room.~~ Any *Structure* consisting of one or more *Buildings*, exceeding twenty-five (25) *Lodging Units,* that is kept, maintained, advertised, or held out to the public to be a place where sleeping accommodations are offered for pay to guests. It may also provide spaces and services for dining, meeting, and recreation.

House of ~~w~~Worship. ~~A church, synagogue, or other *Structure* used on a permanent basis primarily for the worship of God~~ A *Building* or *Structure* primarily intended for conducting organized religious services and associated *Accessory Uses*.

Hurricane ~~p~~Protection ~~d~~Devices~~:~~. These devices ~~S~~shall include removable panel shutters, accordion shutters, storm fabric screens, plywood, or similar device~~s~~ utilized during a hurricane or tropical storm.

I.

Inn. A group of lodging units not to exceed twenty-five (25) units that may provide services for dining, meeting, and recreation.

J.

Kennel. The keeping of more than three (3) dogs or other animals for breeding, training, sale, or boarding.

Kitchen ~~f~~Facilities. Any form or mechanical refrigeration or cooking equipment except a portable mini-refrigerator, portable microwave oven, and coffeemaker.

Junkyard or Salvage ~~y~~Yard. Any area or *Structure* used or intended to be used for the conducting and operating of the business of selling, buying, storing, or trading in used or discarded metal, glass, cordage, or any used or disabled fixtures, vehicles, or equipment of any kind.

K.

Kitchenette. A room or area inside a *Building* partially equipped with standard cooking appliances, including: a sink, stovetop, and refrigerator, but excluding an oven.

L.

LED. ~~This~~It stands for light emitting diode. ~~The~~ LED lighting products produce light up to 90% more efficiently than incandescent light bulbs.

LEED. ~~This~~It stands for the Leadership in Energy and Environmental Design green building certification and rating system of the United States Green Building Council (USGBC).

Loading ~~s~~Space. A space within the *Main Building* or in the same *Lot* providing for the standing, loading, or unloading of trucks.

Lodging Unit. A furnished room of a minimum two hundred (200) square feet that includes sanitary facilities and may include a *Kitchenette*.

Lot. A piece of *Land* occupied or intended for occupancy by a use permitted in these regulations, including one *Main Building* together with its *Accessory Building*, and the *Yards*, *Loading*, and *Off-Street Parking Spaces* required herein and having its principal frontage upon a street or upon an officially approved place.

Lot ~~a~~Area. The total horizontal area within the lot lines of the *Lot*. Also referred to as Net Lot Area.

Lot, ~~c~~Corner. A *Lot* abutting upon two or more *Streets* at their intersection.

Lot Coverage or Ground ~~c~~Coverage. The percentage of the total area of the *Lot,* that, when viewed from above, is occupied by all structures and buildings, principal and accessory, measured from the exterior faces of exterior *Walls*, or from the exterior faces of supporting exterior columns for any portion of the ground floor not enclosed by exterior walls or from the centerline of walls separating two *Buildings*. *Swimming pools* and impervious or covered parking areas, driveways, walkways, patios, and terraces shall be included in the Lot Coverage calculations, except as may be otherwise provided. The following *Structures* shall be excluded from the calculation of lot coverage:

A. Seawalls, retaining walls, and docks.

B. Planting bins.

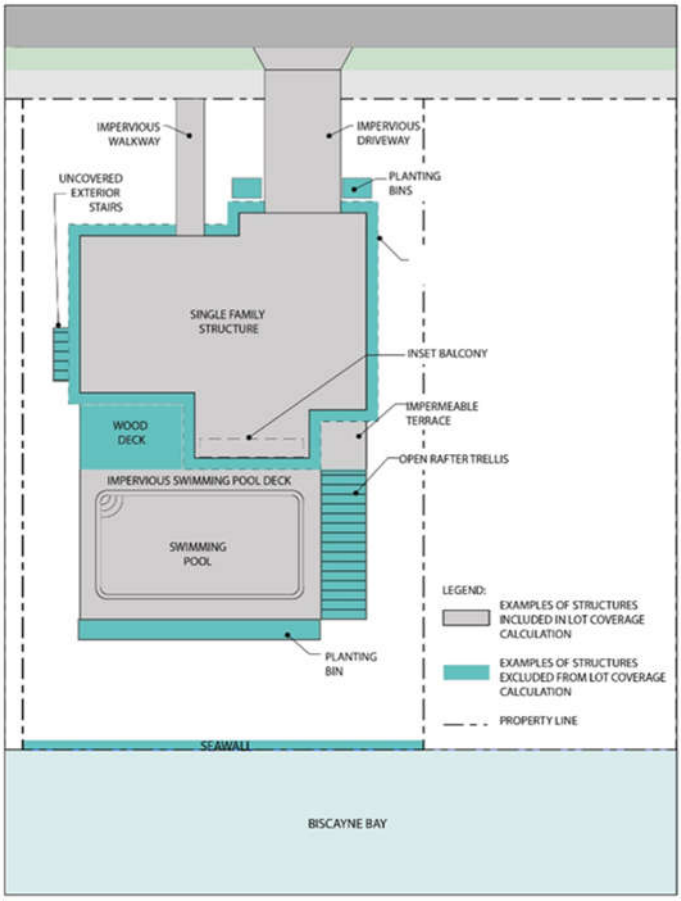
C. Wood decks, provided that the underlying (ground) surface is permeable.

D. Trellises and pergolas provided such structures have open cross rafters or latticework.

E. Roof overhands and awnings that do not project beyond an exterior wall more than three (3) feet.

F. Uncovered stairs and landings that do not project beyond an exterior wall more than three (3) feet.

G. Inset balconies enclosed by the walls of the structure on three (3) sides.



Lot ~~d~~Depth. The mean horizontal distance between the front and rear *Lot Lines*.

Lot Frontage. The distance for which the front *Lot Line* and the street line are coincident.

Lot, ~~i~~Interior. A *Lot,* other than a *Corner Lot*.

Lot ~~l~~Line. The boundary line of a *Lot*.

Lot of ~~r~~Record. A *Parcel* of land shown on a recorded plat, or any parcel of land described by a legally recorded deed.

Lot, ~~t~~Through (double frontage). An interior *Lot* having frontages on two parallel or approximately parallel *Streets*.

Lot ~~w~~Width. The horizontal distance between the side lot lines measured at the required *Front Yard* line and parallel to the front street line.

Low Impact Development (LID). An approach to land development, ~~(~~or re-development~~)~~ , that works with nature to manage stormwater as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness to create functional and appealing site drainage that treat stormwater as a resource rather than a waste product.

Lumen. A unit of luminous flux equal to the light emitted in a unit solid angle by a uniform point source of one candle.

M.

Marijuana. ~~Marijuana is d~~Defined as Cannabis, meaning all parts of any plant of the genus Cannabis, whether growing or not; the seeds thereof; the resin extracted from any part of the plant; and every compound, manufacture, salt, derivative, mixture, or preparation of the plant or its seeds or resin.

Marijuana ~~b~~Based ~~p~~Product. ~~A marijuana-based product m~~Means a product that contains *Marijuana* or any of its derivatives, including, but not limited to, tonics, tinctures, balms, salves, lotions, sprays, ointments, drinks, foods, and pills.

Marijuana ~~d~~Dispensary. A ~~marijuana dispensary is a~~ facility where *Marijuana* or *Marijuana-Based Products* are made available for medical purposes in accordance with Florida ~~l~~Law. A marijuana dispensary may also be defined as a "dispensing organization" as provided in *Section 381.986(1)*, Florida Statutes. Any medical marijuana treatment center at which marijuana or marijuana-based products are dispensed as part of a program of medical treatment shall be included within the definition of a marijuana dispensary.

Marijuana Dispensary, Mobile. A mobile *Marijuana Dispensary* is any legal entity, clinic, cooperative, club, business, or group which transports, delivers, or arranges the transportation or delivery, of *Marijuana* or *Marijuana-Based Products* to any person.

Marina. ~~Any area where one or more sites or locations are rented or offered for rent for the location or dockage of~~ A facility for storage, servicing, fueling, berthing, docking, or securing boats, vessels, or house boats in water, or to be used for living quarters either temporarily or on a permanent basis.

Mezzanine. An intermediate and projecting level or levels between the floor and ceiling of ~~in~~ any story or room with a floor area not exceeding one-third (1/3) of the total floor area in that room or story ~~in which the mezzanine occurs and with a~~. The clear height above or below the mezzanine floor construction ~~of~~ shall not be less than seven (7) feet.

Micro Unit. A small studio apartment, less than 400 square feet with a fully functioning and accessibility compliant kitchen and bathroom.

Mixed ~~o~~Occupancy or ~~u~~Use. An ~~O~~occupancy of a *Building* or *Land* for more than one *Use*.

Mobile ~~h~~Home. Any unit used for living or sleeping purposes which is equipped with wheels or some device for the purpose of transporting the unit from place to place, whether by ~~motive~~ motor power or other means, or any unit used for temporary living or sleeping purposes temporarily located in the locality, whether it is on blocks, posts, or any other type of foundation.

~~*Mobile mMarijuana dDispensary*. A mobile *Marijuana Dispensary* is any legal entity, clinic, cooperative, club, business, or group which transports, delivers, or arranges the transportation or delivery, of *Marijuana* or *Marijuana-Based Products* to any person.~~

Motel. A *Building* in which lodging is provided and offered to the public for compensation. Accommodations are usually designed to serve tourists traveling by automobile. Ingress and egress to rooms need not be through a lobby or office, and parking usually is adjacent to the ~~guest room~~ *Lodging Unit*.

Mural. Any inscription, artwork, figure, urban wall art, marking, or design that is applied, marked, etched, scratched, drawn, or painted on any public or private property ~~to the wall of a building, which covers~~, covering all or most of ~~the~~ a wall or surface, and which is observable from the public *Right-of-Way* or from a public space. Where a Mural contains a commercial message, it shall be considered a *Wall Sign*. See also *Chapter 11* and *Sec. 15.6.E*

N.

National Green Building Standard™ (NGBS). A green building certification program that provides independent, third-party verification that a home, apartment building, or land development is designed and built to achieve high performance in six (6) key areas: Site Design, Resource Efficiency, Water Efficiency, Energy Efficiency, Indoor Environmental Quality, and Building Operation and Maintenance. The NGBS administers the NGBS Green Verifier program.

Neighborhood-Serving Retail. Retail establishments that customarily make most of their sales to the surrounding neighborhood and thus rely primarily on a local clientele.

Nightclub. An entertainment establishment where food and/or *Alcoholic Beverages* may be served for consumption on premises defined by *Section 111.01* of ~~this~~ the *Village* Code of Ordinances.

Nonconforming ~~u~~Use. The lawful use of *Land* or a *Building* or portion thereof, which use does not conform with the use regulations of the *District* in which it is located.

Nursing ~~h~~Home ~~f~~Facility: Any facility which provides nursing services as defined in part I of Florida Statute *Chapter 464* and which is licensed according to this part.

O.

Occupancy. A condition of an activity or use being upon a *Lot* and/or within a *Building*.

~~*Official rRights-of-wWay*. A *rRights-of-wWay* established by oOrdinance.~~

Open ~~s~~Space. That portion of a *Lot* which:

A. Is open and unobstructed from *Grade* upward.

B. Is accessible without restrictions except as may be required for safety.

C. Is of a *Pervious* nature.

Open space may also refer, in certain contexts, to undeveloped lands suitable for passive or active recreation or conservation uses.

Outdoor ~~d~~Dining Area. ~~A use characterized by outdoor table service of food and beverages prepared for service in an adjacent or attached main *Restaurant* for consumption on the premises.~~ Any covered or uncovered portion of a *Restaurant*, *Coffee Shop, Snack Bar, or Sandwich Shop*, or similar establishment, that is not completely enclosed within the *Building*. This area is used primarily for the consumption of food and/or beverages by the patrons of the establishment, and shall not be larger than 50 percent (50%) of the dining area of the ground floor of the indoor establishment. The term also includes outdoor bars and outdoor ice cream parlors.

P.

Parcel. A defined piece or unit of land assembled for a single or multiple purposes.

Parking. The standing of a vehicle, whether occupied or not, other than when temporarily and actually engaged in loading or unloading merchandise or passengers.

A. *Parking, Mechanical*. Refers to mechanical parking lifts, robotic parking systems, and/or vehicle elevators. A mechanical parking lift is an automated mechanism that lifts vehicles to make space available to park other vehicles below it in a vertical tandem fashion. Robotic parking system means a mechanical garage using elevator systems to hoist individual vehicles from receiving areas to separate auto storage areas. A vehicle elevator is an elevator used for motor vehicles in lieu of ramps within a parking structure.

B. *Parking ~~s~~Space, ~~o~~Off-~~s~~Street*. An all-weather surfaced area, exclusive of *Streets*, *Alleys*, and driveways, permanently reserved for the temporary storage of one vehicle and connected with a street or alley by an all-weather surfaced driveway, which affords ingress and egress for a vehicle without requiring another vehicle to be moved. ~~When developing single lot sites under the PRD regulations found in *Sec. 8.10.D.7* Section 8.10(D)(9), mechanical parking lifts may be used to create an additional parking space which can be counted towards the total number of required parking spaces~~.

Personal Service. Refers to establishments primarily engaged in providing services to individuals and related to the care and appearance of the body or the cleaning and repair of personal effects.

Penthouse. Any *Structure* above the main roof of a *Building* used for residential, professional, or commercial purposes, or for housing elevator machinery and water storage tanks. Each story of a penthouse, except when used for machinery or ~~a storage for~~ water storage, is considered as an additional story to the *Height of Building*.

~~*Permit, bBuilding*. A certificate issued by the *Building Official* authorizing the construction, reconstruction, remodeling, alteration, or repair of a *Building* or other *Structure*, upon approval of the submitted application and plans.~~

Pervious ~~a~~Area. The surface area of a *Parcel*, which is capable of being penetrated by water.

Photovoltaic ~~s~~Solar ~~s~~System. A power system designed to generate useable electricity from sunlight through the process of converting light (photons) to electricity (voltage); which is called the PV effect. Photovoltaic *~~s~~Solar ~~s~~Systems*, also called solar cells or PV cells, convert sunlight into electricity.

Planning and ~~z~~Zoning ~~b~~Board. The Planning and Zoning Board of the *Village*, as established by this Code.

Premises. A *Lot*, together with all *Buildings* and *Structures* thereon.

Principal Building. The *Building* within which the principal, predominant, or main use or activity upon the lot is conducted. In the event more than one building is upon one *Lot*, the one containing the greatest floor area is the "~~p~~Principal ~~b~~Building."

~~*Principal uUse*. The predominant activity or use conducted within a particular *Building* or upon a particular *Lot*.~~

Professional Service. Refers to a service rendered by members of a recognized profession by persons possessing a specialized skill.

Public ~~u~~Use. Any public *Building*, *Structure*, or *Land* used primarily for public or quasi-public purposes where the building, structure, or land is not privately owned or operated.

Q. [Reserved]

R.

Rain ~~b~~Barrel. A containment ~~devise~~ device to capture rainwater from a roof and hold it for later use such as on lawns, gardens, or indoor plants.

Rain ~~g~~Garden. A depressed area in the landscape that collects rainwater from a roof, driveway or *Street* and allows it to soak into the ground. Rain gardens are planted with ornamental grasses and flowering perennials, this is an example of *Green Infrastructure*.

Regulations. The whole body of regulations, charts, tables, diagrams, maps, notations, references, and symbols contained in or referred to in this Code.

Restaurant. An establishment in which food and drinks are ~~is~~ prepared and served for compensation, and food sales account for 51% or more of the total establishment sales. *Alcoholic Beverage* sales may also be allowed pursuant to obtaining proper licensing. This term does not include *Coffee Shops, Snack Bars, Sandwich Shops*, or other similar eating establishment.

Right-of-~~w~~Way. A legal right to pass over or through real property owned by someone else, usually based upon an *Easement*. See *Street Line*.

Right-of-Way, Official. A Right-of-Way established by an Ordinance, Plat or dedication, including a Street, Alley, and ingress-egress easement.

S.

Screen ~~e~~Enclosure. A frame of metal, wood, or other approved structural material supporting no roof or walls, with only approved insect screening, which screening possesses at least 50 percent (50%) open area per square inch.

Service ~~s~~Station. An establishment devoted to the retail sale of motor vehicle fuels, oils, or accessories or for the servicing or repairing of minor parts and accessories, but not including major repair work such as motor replacement, body and fender repair, or spray painting.

Setback. The minimum horizontal distance between the *Street* and the *Building*; the *Lot* *Bulkhead* or water line and the building; or the side *Lot Line* and the building.

Shopping ~~c~~Center. A commercial building with ~~O~~one or more retail stores, ~~commercial buildings,~~ or an office complex with a unified plan or architectural scheme, on a single parcel of *Land* or on separate parcels contiguously arranged.

Sign. As referred to in *Sec. 11.2* on this Code.

SITES. A comprehensive program for designing, developing, and maintaining sustainable landscapes. The SITES certification program is based on a rating system that helps conserve, restore, and create the benefits provided by healthy ecosystems. SITES is administered by Green Business Certification Inc. (GBCI) and is a complement to the *US Green Building Council LEED* green building rating system.

Soil Cells. A soil cell system provides site design professionals with a sustainable methodology that allows shade trees and large palms to be planted, maintained and matured in a variety of urban settings. The system provides room for the large volumes of soil that are necessary for tree growth and root expansion. Soil cells shall be required where a planting area less than 8 feet by 8 feet is available for shade trees and large palms.

Solar ~~r~~Reflectance ~~i~~Index (SRI). A measure of the solar reflectance and emissivity of materials that can be used as an indicator of how hot they are likely to become when solar radiation is incident on their surface. The lower the SRI, the hotter a material is likely to become in the sunshine. SRI is defined so that a standard black surface (reflectance 0.05, emittance 0.90) is 0 and a standard white surface (reflectance 0.80, emittance 0.90) is 100.

Solar ~~w~~Water ~~h~~Heater. A water heating system that heats water through solar collector tubes typically located on a roof. Solar water heating systems include storage tanks and solar collectors. There are two types of solar water heating systems: active, which have circulating pumps and controls, and passive, which do not have pumps.

Story. That portion of a *Building*, other than a *Basement* or *Mezzanine*, included between the surface of any floor and the surface of the floor next above it; or, if there is no floor next above it, then the space between the floor and the ceiling next above it.

Story, ~~h~~Half. A space under a sloping roof, which has the line of intersection of roof decking and wall face not more than three feet above the top floor level and in which space not more than two-thirds of the floor area is finished for use. A half-story containing independent apartments or living quarters shall be counted as a full story.

Street. A public thoroughfare which affords the principal means of access to abutting property.

A. *Street, Arterial*. A *Street* designated as a major arterial street on the circulation plan for the *Village*.

B. *Street, Centerline*. A line parallel or nearly parallel to the *Right-of-Way* lines of a *Street* and halfway between them as established by the *Building* and *Planning and Zoning Official*.

C. *Street, ~~c~~Collector*. A public thoroughfare which collects traffic from residential areas for distribution to an *Arterial Street*, as defined on the North Bay Village Circulation Plan.

D. *Street, Local.* A street which provides access to individual homes and businesses bordering it.

E. *Street or ~~r~~Right-of-~~w~~Way ~~l~~Line*. A dividing line between a *Lot* and a contiguous *Street.*

Structural ~~a~~Alterations. Any change, except those required by law or ordinance, which would prolong the life or change the shape or size of any portion of a *Building* or *Structure* or of the supporting members of a building or structure, such as bearing walls, columns, beams, arches, floor or roof joists, or girders, not including openings in bearing walls as permitted by other ordinances.

Structure. Anything constructed or erected, the use of which requires permanent location on the ground or attached to something having a permanent location on the ground; including, but without limiting the generality of the foregoing: *Sign*, backstops for tennis courts, *Fences*, screen enclosures, and pergolas.

Subdivision. Shall be interpreted as defined in the subdivision regulations of Miami-Dade County or, if not so defined, then a Subdivision shall be the division of land into two or more *Lots*, or other division of land into parcels of five (5) acres or less for the purpose, whether immediate or of transfer of ownership or building development.

Swimming ~~p~~Pool. Any portable~~, pool~~ or permanent *Structure* containing a body of water 18 inches or more in depth and 250 square feet or more of water surface area located in a residential area that is intended for swimming or recreational bathing ~~and containing 18 inches or more in depth~~, including but not limited to in-ground, aboveground, and on-ground swimming pools, hot tubs, and non-portable spas, but not including an ornamental reflecting pool or fish pond, unless it is located and designed so as to create a hazard or be used for swimming or wading.

Synthetic Turf. Also known as artificial turf. A manufactured product that utilizes synthetic fibers to mimic the aesthetic look of natural grass and is used as a replacement for lawn sod grass installation or real turfgrass. Synthetic turf may encompass the feel, rebound, and traction of natural grass. Synthetic turf shall not count toward meeting the minimum green space required in any zoning district and may not be used in green wall, green roof, and similar types of applications for the purpose of achieving points to meet Green Building Program requirements.

T.

Tent. A canvas or other cloth shelter from sun or weather supported by a wood or metal frame or by poles, stakes, and ropes, or both, and not attached to any *Building*.

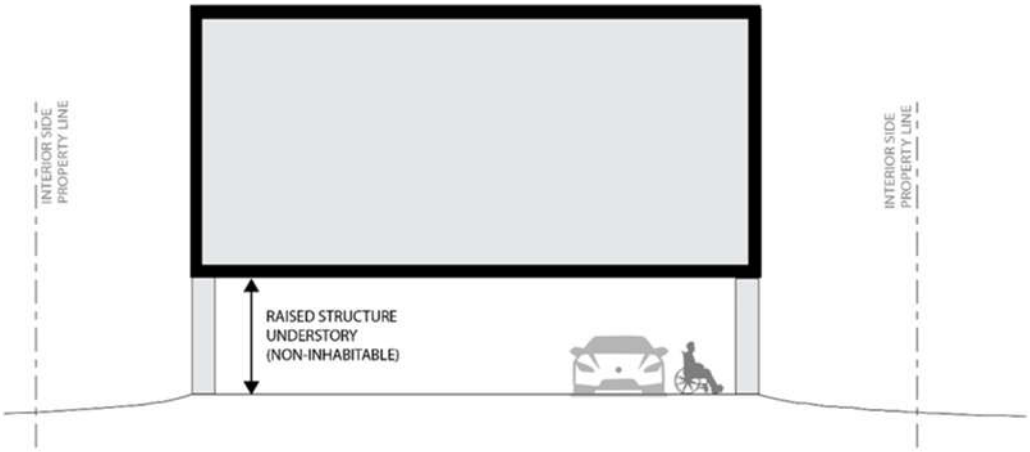
Time-~~s~~Sharing ~~c~~Condominiums. Any *Structure*, service, improvement, or real property, which is made available to purchasers of a time-sharing plan.

Trailer, ~~u~~Utility. A vehicle lacking a means of self-propulsion intended to be towed by another vehicle and designed to be used for the transport or hauling of chattel.

Trash. Cuttings from vegetation, refuse, paper, bottles, rags, bulk trash, discarded furniture, ~~etc~~ food scraps, and similar items to be discarded.

U.

Understory. The non-habitable ground level of a *Building* designed to allow flood waters to pass through.



Unity of Title. A covenant running with and binding the land, executed by one or more property owner(s) whereby the property owner(s), for a specified consideration given by the Village, agrees that the lots and/or parcels of land that are required to be united may not be conveyed, sold, transferred, devised, assigned, mortgaged or leased separate and apart from each other and that they must be held together as one tract.

US Green Building Council (USGBC). A nonprofit organization with the vision that *Buildings* and communities will regenerate and sustain the health and vitality of all life within a generation. The USGBC mission is to transform the way buildings and communities are designed, built, and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life. The USGBC has designed and administered various green building certification programs including the *LEED* Rating systems and administers the *USGBC* LEED professional accreditation program.

~~*Utilities. Structures* of public or municipal utility in excess of lines, piping, conduit, transformers, or other essential utilities. A substation, pumping station, storage yard, or similar installation. Normally a significant structure or combination of structures often enclosed within a *Building*.~~

Use. ~~Any~~ The purpose or activity for which land, water, *Buildings*, or ~~other~~ *Structures* ~~or land~~ may be arranged, designed, intended, maintained, or occupied~~; any occupation, business, activity, or operation to be carried on or intended to be carried on in a building or other structure or on land~~ or

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

~~water; or a name of a building or other structure or tract of land which indicates the purpose for which it is arranged, designed, intended, maintained, or occupied~~.

~~*Use*. The purpose or activity for which land, water or Buildings are designed, arranged, or intended, or for which land or Buildings are occupied or maintained.~~

A. *Use, ~~c~~Commercial*. Any use which is operated as or is accessory to a business.

B. *Use, Principal*. The predominant activity or use conducted within a particular *Building* or upon a particular *Lot*.

C. *Use, ~~r~~Residential*. A use, which accommodates persons, not institutional in character, such as a *Single-Family* or *Multi-Family Dwelling*, including apartments ~~and Hotel or Motel rooms~~.

D. *Use, ~~r~~Resiliency.* A stand-alone or principal use that ~~is the sole or principal use~~ on a *Parcel* ~~and provide service beyond the individual parcel or *Building* on a parcel and~~ addresses and provides carbon sequestration, water storage, biofuels, or renewable energy collection and distribution service to parcels beyond the individual parcel or structure where the resilience use is located. This is to be distinguished from *Green Building Features* specific to and serving an individual project/building such as *Electric Vehicle Charging Station*, *Photovoltaic System*, *Solar Water Heating* system, *Green Infrastructure* or *Wind Turbine* that are *Accessory Uses*.

Utilities. *Structures* of public or municipal utility in excess of lines, piping, conduit, transformers, or other essential utilities. A substation, pumping station, storage yard, or similar installation. Normally a significant structure or combination of structures often enclosed within a *Building*.

V.

Variance. A dispensation permitted on individual parcels of property as a method of relieving an unnecessary hardship, by allowing a reasonable use of the *Building*, *Structure*, or property, which, because of unusual or unique circumstances, is denied by the provisions of this Code.

Vehicle, ~~c~~Commercial. Any vehicle designed, intended, or used for the transportation of people, goods, or things, other than private passenger vehicles and trailers for private non-profit transport of goods and/or boats.

Village. North Bay Village, Florida.

Village Commission. The Village Commission of North Bay *Village*, Florida.

Village-~~o~~Owned ~~c~~Civic or ~~o~~Office ~~c~~Construction ~~p~~Project. A *Village*-owned buildings providing a public gathering place or office facilities.

W.

Waiver. A ~~P~~permit~~s~~ for a minor deviation from the ~~c~~Code, other than for use, granted administratively. See Chapter 15, *Section 15.1.H*.

Wall. A *Structure* forming a physical *Barrier* which is so constructed that less than 50 percent (50%) of the vertical surface is open to permit the transmission of light, air, and vision through such surface in a horizontal plane.

Warrant. A minor use exception granted administratively. See Chapter 15, *Section 15.1.H*.

Waterfront. Any site shall be considered as waterfront premises provided any or all of its *Lot Lines* abut on or are contiguous to any body of water.

Wind Turbine. A machine, or windmill, that converts the energy in wind into mechanical energy. A wind generator then converts the mechanical energy to electricity. There are primarily two types of wind turbines: the horizontal axis wind turbine (HAWT), and the vertical axis turbine (VAWT).

Wine. A fermented beverage made from fresh fruits, including sparkling wines, champagnes, vermouth, and similar products, ~~Shall be~~ as defined in ~~*Section 561.01(4)*~~ *Section 564.01*, Florida Statutes.

Workforce Housing Units. Housing units that are affordable to people in the workforce whose incomes are between 60% and 140% of the Miami-Dade County area median income (AMI) as reported by the United States Department of Housing and Urban Development and adjusted to family size. See Chapter 8, *Section. 8.10.1*, "Workforce Housing Program" for related terms.

X. [Reserved]

Y.

Yard. An open area, other than a court, on a lot, unoccupied and unobstructed from the ground upward, except as otherwise provided in these regulations.

Yard, ~~f~~Front. A yard across the full width of the *Lot* extending from the nearest line of any *Main* or *Accessory Building* to the front *Street Right-of-Way Line* of the lot.

Yard, ~~r~~Rear. A *Yard* across the full *Width of the Lot* extending from the nearest line of any *Main* or *Accessory Building* to the rear *Line of the Lot*.

Yard, ~~s~~Side. A *Yard* extending from the *Front Yard to the Rear Yard*, between the side *Lot Line* and the nearest line of any *Main* or *Accessory Building*.

Z. [Reserved]

CHAPTER 4, ADMINISTRATION AND ENFORCEMENT

DIVISION 1, GENERALLY

§ 4.1 - Purpose and intent.

The purpose and intent of this ~~c~~Chapter is to establish general petition procedures, the process for obtaining an official interpretation of a regulation in the Unified Land Development Code, public hearing and notice requirements, procedures for appealing decisions, enforcement of the code, penalties and remedies for violations, establish appropriate commissions, boards and administrative official, and amending the Unified Land Development Code and *Comprehensive Plan*, for the effective and equitable implementation and enforcement of the Unified Land Development Code.

§ 4.2 – General petition procedure.

A petition for a~~n amendment,~~ *Variance*, use exception, *Warrant*, *Waiver*, ~~*Special Area Plan* (SAP),~~ or supplement to these regulations, or for an amendment, change, or supplement to the *Comprehensive Plan* or *District Boundary* of the *Zoning District Map* or a Special Area Plan (SAP) shall be submitted to the *Village Clerk* by any person who owns the subject property or who has written permission of the present owner, public official, the *Planning and Zoning Board*, or by the *Village Commission's* own motion.

A. Petition procedures for Warrants and Waivers as defined in *Section 15.4.B*, to permit minor deviations to regulations within the T6 – Urban Core Zone, are found in *Section 15.1.H*.

B. Petition procedures for Administrative Adjustments from the regulations ~~applicable to Single-Family Residential Districts~~ are found in ~~Section 7.6~~*Chapter 7*.

§ 4.3 – Procedure for obtaining an official interpretation of the Unified Land Development Code.

When an individual wants an official interpretation of a regulation contained within the Unified Land Development Code as defined in Chapter 1, *Section 1.5*, or wants to determine how a regulation may be applicable to specific property within the *Village*, the following procedures and provisions shall apply.

Written request. The individual shall submit, in writing, a completed preapplication conference request (available from the Village Clerk's department), the request shall be accompanied by payment of the fee as established in the Official *Fee Schedule* ~~and set forth in Section 5.12,~~ and shall include the following information:

A. Identification of the section or sections of the Unified Land Development Code for which an interpretation is desired.

B. An explanation of what it is that the individual finds unclear and an explanation of what, if anything, the applicant believes the section in question means.

C. If the applicant is interested in determining how the section or sections apply to or affect specific property, the following information shall be provided:

1. A clear representation of the specific property(ies) that is~~/are~~(are) the subject of the inquiry including the property address.

2. The land area encompassed by the property and the specific dimensions of the property including a description, map or survey showing existing improvements on the property.

3. If the question involves whether or not a certain improvement or use is allowed on the property, or the extent, size, or number of units that may be allowed on the property, the applicant shall include a plot plan or detailed description of what he/she wishes to do on the property sufficient to allow the *Planning and Zoning Official* to make a reasoned determination as to how the ULDC affects that specific property. It shall be the planning and zoning official's decision as to what constitutes adequate information for him to make a decision or interpretation.

4. The *Planning and Zoning Official* shall accept the written request or inform the applicant of any additional information that may be necessary for him to issue a reasoned interpretation. The Planning and Zoning Official may subsequently request additional information from the applicant, or provide the option of meeting with the applicant.

   If a meeting is scheduled requiring consultation with, or attendance by, an attorney or professional consultant (e.g., planner or engineer), a deposit in the amount set forth in *Section 5.12*, shall be paid at least five days prior to said meeting. The final cost of the meeting, calculated as set forth in Section 5.12, shall be the responsibility of the applicant and shall be paid in full prior to the issuance of the written opinion.

5. Within two weeks of accepting the completed request or having received any additional information requested of the applicant, the *Planning and Zoning Official* shall issue~~, in writing, his~~ a written opinion, supported by citations of the pertinent sections of the Unified Land Development Code, and shall forward said opinion by email or U.S. Mail to the applicant.

6. The time for the *Planning and Zoning Official's* response may be extended to 30 days if, in the opinion of the Planning and Zoning Official, it is necessary ~~for him~~ to confer with the *Village Attorney*, other Village staff, or outside consultant before rendering a decision. All applicable fees shall be paid by the applicant before the *Planning and Zoning Official* issues ~~his~~ said written opinion.

7. The *Planning and Zoning Official's* written opinion shall be considered an official interpretation of the subject provisions of the Unified Land Development Code.

8. Verbal statements, interpretations, or comments made by the *Planning and Zoning Official* or any other representative of the Village with regard to any interpretation of the Unified Land Development Code shall not be considered official interpretations of the Unified Land Development Code. Interested parties who make development decisions or proceed with development activity based upon such verbal information shall do so at their own risk.

§ 4.4 – Public hearing, public notice, and adoption requirements and procedures.

A. Hearings and notices.

1. *Table 4.4.A.1* describes the number and type of meetings each application will require. The information in the table is presented for the purpose of assisting the *Village*, applicants, and the public in identifying public meeting and hearing requirements. In the case of conflict between the information presented in the table and the legal requirements of the Unified Land Development Code, the *Village Code of Ordinances* or Florida Statutes (collectively referred to as legal requirements), the legal requirements and not the table shall control.

2. All applications involving the following shall be considered at public hearings before the *Planning and Zoning Board* and the *Village Commission*:

a. Amendment, change, or supplement to the *Comprehensive Plan*;

b. Amendments to the Unified Land Development Code;

c. Amendments to boundaries of the *Zoning District Map*;

d. *Variances*;

e. Use exceptions and other applications for development approval;

f. Appeals of an administrative decision.

3. Amendments to the *Future Land Use Map*, *Zoning Map*, or which change the actual list of permitted uses, ~~conditional uses,~~ use exceptions, or prohibited uses in a zoning district or future land use category shall be adopted by ordinance, and the notice and hearing requirements shall be as required by *Section 166.041(3)(a)* and 1*66.041(3)(c)*, Florida Statutes.

4. Mailed notice.

For site plan approvals, variances, and use exceptions the following notice is required:

a. A written announcement of a public hearing shall be mailed on a form provided by the *Village Clerk* at least ten (10) days prior to the date of a required hearing to all property owners and residents within 200 feet of the perimeter of the subject property.

b. In the case of variances for single-family residential properties the mailing requirements shall be limited to all adjacent property owners including those across the streets(s) from the subject side to the rear and on diagonals.

c. The applicant shall submit a certified list of property owners and proof of mailing to the *Village Clerk*.

d. The burden of meeting the written notice requirements shall be upon the applicant.

5. In addition to the above, ~~A~~amendments to the *Future Land Use Map* or *Zoning Map* which change the actual map designation for a parcel or parcels of *Land* containing ten (10) contiguous acres or less notice shall be ~~provided in the following manner:~~

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~~a. Notice of the public hearing on the proposed change shall be~~ given to property owners at least thirty (30) days prior to the date set for the public hearing as required by *Section 166.041(3)(c)1* Florida Statutes.

~~a. As a courtesy notice, a written announcement of a public hearing shall be mailed at least ten (10) days prior to the date of the hearing to all property owners and residents abutting the subject property or within 300 feet of the perimeter of the property. Failure to mail this courtesy notice shall not affect the validity of the final action.~~

~~b. The list of property owners shall be certified by the *Village Clerk*. The Village Clerk shall certify that the petition file is complete before the hearing is legally advertised.~~

5. All public hearings held before the *Planning and Zoning Board* and/or *Village Commission* shall be noticed by the *Village Clerk* by publishing, at least ten (10) days prior to the hearing, an advertisement showing the date, time, place, and nature of the hearing in a manner consistent with Chapter 50, Florida Statutes.

6. Notice of the date, time, place, and nature of the hearing shall also be posted conspicuously by the applicant on a form of a size and design provided by the Village Clerk at least ten (10) days prior to the hearing on any property for which a petition for a ~~variance,~~ use exception, site plan approval, zoning district or future land use boundary change has been submitted.

7. For amendments that require two (2) public hearings by the *Village Commission*, the second public hearing shall be advertised at least ten (10) days before the public hearing.

Table 4.4.A.1 - Public Hearings

~~Development Approval~~Petition Type	Planning and Zoning Board	Village Commission	DRC Required Prior to Schedule of PZB Hearing?
Amendments to Comprehensive Plan			
Small scale ~~development~~ map amendment	H	H	No
All other amendments			No
Transmittal stage	H	H	
Adoption stage		H	
Amendments to the Unified Land Development Code			
Zoning district map	H	2H	No
Text amendment	H	2H	No
Others			

Minor Development (1)	H	H	Yes
Major Development (2)	H	H	Yes
Development Agreement		H	No
Variances	H	H	Optional
Use exceptions	H	H	Optional
Plats and subdivisions	H	2H (3)	Yes
ROW vacations	H	H	Optional
Appeals of an administrative decision	H	H	No

H = Public hearing 2H = 1st and 2nd reading

(1) Three through six dwelling units or from 300 to 10,000 square feet of commercial use

(2) Seven or more dwelling units or more than 10,000 square feet of commercial use.

(3) Tentative and final plat stages

B. Method of adoption.

1. The following shall be adopted by ordinance:
   a. Amendment, change, or supplement to the *Comprehensive Plan*;
   b. Amendments to the Unified Land Development Code including Special Area Plan appendices;
   c. Amendments to the *Zoning Map* (including Special Area Plan designations) and to the actual list of permitted, conditions, or prohibited uses within a zoning category.
2. The following shall be adopted by resolution:
   a. *Variances*;
   b. Use exceptions, and other applications for development approval;
   c. Site plan approval;
   d. Development agreement;
   e. Plats and subdivisions;
   f. Vacation of *Streets*, *Alleys*, *Easements*, and public *Right-of-Ways*;
   g. Appeals of an administrative decision.

C. Testimony.

Witnesses desiring to make a statement of fact at a public hearing shall be sworn and give testimony under oath; otherwise, statements shall be considered a matter of opinion only. The *Planning and Zoning Board* or *Village Commission* may require attendance of witnesses at a public hearing.

§ 4.5 Procedure for appealing an administrative decision.

A. Any person aggrieved by an order, requirement, decision, or determination relative to these regulations by an administrative official may petition the *Village Commission* for relief following a recommendation by the *Planning & Zoning Board*. The petition shall be in a form approved by the *Village Attorney*, and all properties described in one application must be contiguous.

B. A grant of relief on appeals of administration decisions shall avoid spot zoning.

C. The *Village Commission* may, after a public hearing, grant relief on appeals where it is alleged there is an error in any order, requirement, decision, or determination made by an administrative official in the interpretation of any portion of these regulations.

§ 4.6 Exhaustion of remedies; court review.

A. No person aggrieved by any zoning resolution order, requirement, decision, or determination of an administrative official or by any decision of the *Planning and Zoning Board* may apply to the court for relief unless he has first exhausted the remedies provided for herein and taken all available steps provided in this subchapter. It is the intention of the *Village Commission* that all steps provided by this subchapter shall be taken before any application is made to the court for relief; and no application shall be made to the court for relief except from resolution adopted by the Village Commission pursuant to this subchapter.

B. Zoning resolutions of the *Village Commission* shall be reviewed by the filing of a petition for writ of certiorari in the Circuit Court of the Eleventh Judicial Circuit in and for Miami-Dade County, Florida, in accordance with the procedure and within the time provided by the *Florida Appellate Rules* for the review of the rulings of any commission or board. Such time shall commence to run from the date the zoning resolution sought to be reviewed is transmitted to the Village Clerk. For the purposes of a certiorari the *Village Clerk* shall make available for public inspection and copying, the record upon which each final decision of the Village Commission is based; however, the Village Clerk shall make a reasonable charge commensurate with the cost in the event the *Village* is able to and does furnish copies of all or any portion of the record. Prior to certifying a copy of any record or portion thereof, the Village Clerk or her designee shall make all necessary corrections in order that the copy is a true and correct copy of the record, or those portions requested, and shall make a charge as provided.

§ 4.7 Enforcement.

A. It shall be the duty of the *Building Official*, ~~Plan Examiner~~Planning and Zoning Official, and *Code Enforcement Officer* to enforce the provisions of these regulations, and to refuse to issue any permit for any building or for the use of any premises, which would violate any of the provisions of these regulations. It shall also be the duty of all officers and employees of the *Village* and especially all members of the *Police Department*, to assist by reporting to the *Village Manager* any apparent violation in new construction, reconstruction, or land use.

B. For the purpose of inspection, the *Building Official* and *Code Enforcement Officer* or their authorized representatives shall have free access to materials and work at all times and shall have the power to stop work pending investigation as to materials, work, grades, use, and other provisions of these regulations.

C. The Building Official, ~~Plan Examiner~~Planning and Zoning Official, and Code Enforcement Officer are authorized, where deemed necessary for enforcement of these regulations, to request the execution of an agreement for recording.

D. In case any *Building* is erected, constructed, reconstructed, altered, repaired, or converted, or any building or land is used in violation of these regulations, the Building Official and Code Enforcement Officer is authorized and directed to institute any appropriate legal action to put an end to such violation.

§ 4.8 Penalties and remedies for violations.

Any person or corporation who violates any of the provisions of these regulations or fails to comply therewith or with any of the requirements thereof, or who shall build or alter any building in violation of any detailed statement or plan submitted and approved hereunder, shall be guilty of a misdemeanor and may be punished by the maximum penalty permitted under §*Section 10.99* of the Code of Ordinances. Each day such violation shall be permitted to exist shall constitute a separate offense. The owner or owners of any building or premises, or part thereof, where anything in violation of these regulations shall be placed or shall exist, and any architect, builder, contractor, agent, person, or corporation employed in connection therewith who has assisted in the commission of any such violation shall be guilty of a separate offense, and upon conviction shall be fined as hereinbefore provided and according to a schedule adopted by the Village Commission.

DIVISION 2, ~~COMMISSION, BOARD, AND ADMINISTRATIVE OFFICIALS~~DECISION-MAKING AND ADMINISTRATIVE BODIES AND OFFICIALS

§ 4.9 Village Commission.

A. *Powers and duties.*

In addition to any authority granted to the *Village Commissioners* by state law or *Village* ordinance, the Village Commissioners shall have the following powers and duties:

1. Enter into development agreements, as provided by state law.
2. Approve final plats prior to recording.
3. Adopt and/or amend the North Bay Village *Comprehensive Plan*.
4. Initiate, review, and adopt amendments to the Unified Land Development Code of North Bay Village and the North Bay Village Code of Ordinances.
5. Approve variances to Unified Land Development Code of North Bay Village.

6. Take such other action as the Commissioners may deem necessary to implement the provisions of the Unified Land Development Code and the Comprehensive Plan.

B. *Action by Village Commission.*

1. Before action is taken by the *Village Commission* on any petition the Commission shall consider the recommendations and reports of the *Planning and Zoning Board* and of the *Building Official* and ~~Plan Examiner~~Planning and Zoning Official.

2. If an application is before the *Village Commission* pursuant to this ~~s~~Section, accompanied by a *Planning and Zoning Board* recommendation, the Commission shall have authority to consider and take final action upon any and all matters and requests contained in the application.

3. If the *Planning and Zoning Board* recommends, after a public hearing as described above, that the proposed amendment, supplement, change, variance, or use exception be disapproved by a unanimous vote of the full Planning and Zoning Board, such amendment, supplement, change, *Variance*, or use exception shall not become effective except by a favorable vote of at least 4/5 of all of the members of the *Village Commission*.

4. In making any final decision, the Commission shall be guided by these regulations and the purposes thereof stated in ~~§1.5~~ *Section 1.4*, and by sound comprehensive planning and zoning principles, and may take any action within the confines of such guides and standards.

5. The action of the *Commission* may impose conditions or be more restrictive than any petition being considered.

6. No further variances may be granted without prior notice and hearing before the *Planning and Zoning Board*.

7. When any final action has been taken by the *Village Commission*, its record together with a certified copy of its minutes and the motion pertaining to such action shall be transmitted to the *Building Official,* ~~and Plan Examiner~~ Planning and Zoning Official, and other relevant Village departments, and shall be open to the public for inspection during the normal hours of business for *Village Hall*.

8. At maximum intervals of five years, review the recommendations of the *Planning & Zoning Board* in regard to their review of the provisions of the Unified Land Development Code, the Comprehensive Plan and land use maps and the *Zoning District Map*, and adopt the necessary revisions.

C. *Quorum.*

A majority of the members of the *Village Commission* constitutes a quorum. Except in the case of an emergency ordinance, which requires four affirmative votes, an affirmative vote of a majority of a quorum present shall be necessary to enact the ordinance.

§ 4.10 Planning and Zoning Board.

A. *Establishment and purpose.*

The Planning and Zoning Board has been created to recommend to the *Village Commission* on all matters within the general purview of planning, zoning, and development. This authority and duty include the following:

1. Consider and recommend to the *Village Commission* as to all petitions for amendments, changes, or supplements to this code, special exceptions, or variances thereto.
2. Consider and recommend to the *Village Commission* as to all petitions for changes in the district boundaries of the land use maps in the *Comprehensive Plan*.
3. Prepare, or recommend, special studies on the location, adequacy, and conditions of specific facilities in North Bay Village, including, for example, studies on recreational facilities, historic buildings, etc.
4. Review and recommend to the *Village Commission* upon all petitions for development orders. In reviewing site plans for development, the Planning and Zoning Board must consider and abide by the provisions of ~~Chapter 9~~ *Chapter 5*.
5. Review and recommend whether specified proposed development conforms to the objectives and policies of the North Bay Village *Comprehensive Plan*.
6. Conduct such hearings as may be required to gather information to ~~render decisions or~~ make recommendations to the *Village Commission*.
7. At maximum intervals of five years, review the provisions of the Unified Land Development Code, the *Comprehensive Plan* and land use maps and the *Zoning District Map*, and forward the results of the review to the *Village Commission* at a public meeting.

B. *Officers.*

1. The members of the board shall elect annually, at the first meeting of the calendar year, by majority vote, a chair and vice-chair from among its members. The chair shall be the presiding officer; the vice-chair shall preside in the absence or disqualification of the chair.
2. The *Village Manager* will provide secretarial staff to the board as needed. Professional service advisors may be utilized as determined by the *Village Commission*.
3. The *Village Mayor* and *Village Manager* shall serve as ex-officio members; however, their participation shall be limited to discussion only. They may not vote or otherwise participate in making recommendations to the *Village Commission*.

C. *Board membership.*

1. General requirements for membership and election of office for the *Planning and Zoning Board* are described below.
2. Membership of the board will consist of five members and one alternate member to be

appointed by the *Village Commission*. The Board must include one member from North Bay Island, one member from Harbor Island, one member from Treasure Island, and two at-large members. Members shall be appointed for a term of two years, coinciding with the term of office of Village Commissioners.

3. The members shall be qualified electors of the *Village* as defined in the *Village Charter*.

4. The members shall be, and shall remain during their respective terms of office, residents of the *Village*. When a seat becomes vacant on the board, a successor shall be appointed by the *Commission* to fill the unexpired term.

5. The *Village Commission* can remove any member from the Planning and Zoning Board by majority vote of the Commission.

D. *Meetings.*

The Planning and Zoning Board shall hold regular monthly meetings and may hold special meetings at any other time. Special meetings shall be held on written request of the ~~chairman~~ chairperson ~~and notices shall be mailed three days prior to the special meeting~~. In the event the ~~chairman~~ chairperson fails to call a special meeting, upon request of any board member, a special meeting ~~shall~~ may be held upon written call of two (2) other members of the board~~;~~ ~~notices shall be mailed three (3) days prior to the called meeting~~. The attendance requirement and removal procedure for Planning and Zoning Board members shall be as outlined in Section 32.16 of the Village Code of Ordinances.

E. *Quorum and voting.*

The physical presence of three (3) members constitutes a quorum. A majority vote of the board shall be required on all ~~decisions and~~ recommendations to be made to the *Village Commission*.

F. *Authority, duties, and ~~decisions~~ recommendations.*

1. The Planning and Zoning Board as established in ~~Sections 32.30 through 32.34~~ *Sections 32. 40* through *32.42* of the Village Charter shall have the authority and duty to consider, act upon, and recommend to the *Village Commission* as to all petitions for amendments, changes, or supplements to these regulations; variances or special exceptions thereto; changes in the district boundaries of the *Zoning District Map*; petitions appealing an administrative decision and amendments to the *Comprehensive Plan*. The board shall also have the power to study and recommend to the *Village Commission* on all matters within the general purview of Comprehensive Planning and zoning.

2. Periodic review.
   It shall also be the duty of the Planning and Zoning Board, in cooperation with the *Village Attorney*, to continuously review the provisions of these regulations, the *Comprehensive Plan*, and the *Zoning District Map* to offer recommendations for the improvement thereof to the *Village Commission*. At maximum intervals of five years, these regulations, the Comprehensive Plan, and the Zoning District Map shall also be subject to a comprehensive review and a report thereof, with recommendations submitted jointly by

the Planning and Zoning Board and the Village Attorney and shall be presented to the Village Commission at a public meeting.

3. ~~Decisions~~ Recommendations.
   a. All recommendations of the Planning and Zoning Board shall be made by motion at a public hearing of the board. Any member who has a special financial interest, direct or indirect, shall make that interest known and shall abstain from participation therein in any manner. Willful violation of this provision shall constitute malfeasance in office and shall render the action voidable by the Village Commission. No action shall be taken without a quorum, and majority vote of those present shall prevail.
   b. The *Village Clerk* shall forward copies of all petitions to the Planning and Zoning Board, at least ~~two weeks~~ seven (7) days prior to the public hearing called for any such petition. The Planning and Zoning Board, or any of its members, may inspect the premises and area under consideration. Prior to making its recommendation the board shall consider the written recommendations thereon of the Planning and Zoning Official ~~*Building Official* and Plan Examiner~~.
   c. After the public hearing, the report and recommendation of the Planning and Zoning Board shall be transmitted in writing to the *Village Commission* as a part of the record. The report of the Planning and Zoning Board shall include a recommendation on each and every request by the petitioner but shall not be necessarily limited by the scope of the petition.

§ 4.11 Code Enforcement. [REFER TO CHAPTER 153 OF THE CODE OF ORDINANCES]

§ 4.12 Village Manager.

The *Village Manager* is designated as the appointing manager of each of the Village's departments and serves as an ex-officio member of the *Planning and Zoning Board.*

§ 4.13 Planning and Zoning Official.

The Planning and Zoning Official shall serve as head of the ~~p~~Planning and ~~z~~Zoning ~~d~~Department. As such, ~~his~~ the duties of the Planning and Zoning Official shall include the following:

~~1~~A. Oversee the appropriate application of the provisions of this code and county and state laws as they pertain to this code.

~~2~~B. Receive all applications for development orders, ~~and~~ development permits, ~~s~~Special ~~a~~Area ~~p~~Plans (SAP)~~, SAP~~ and permits, warrants and waivers; review them for completeness, and initiate processing procedures.

~~3~~C. Ensure that a concurrency evaluation, when necessary, is conducted as part of the processing of each request for development permits and that the results of the evaluation are made a part of the application.

~~4~~D. Coordinate development review of a project, and project related materials to determine

if it is consistent with the North Bay Village Unified Land Development Code, adopted *Comprehensive Plan*, and other applicable codes. The review is also meant to provide the applicant with input and assist the *Planning and Zoning Board* and *Village Commission* in their deliberation of the project.

~~5~~E. Assist the *Village Commission* and *Planning and Zoning Board* through staff reports and recommendations regarding applications for development orders, ~~s~~Special ~~a~~Area ~~p~~Plans, permits, and amendments to the Comprehensive Plan and Unified Land Development Code.

~~6~~F. Ensure appropriate interdepartmental coordination regarding the review and approval of tentative and final plats, final development orders, *SAP Permits*, and final development permits.

§ 4.14 Building Official.

The *Building Official* shall serve as head of the ~~b~~Building ~~d~~Department. As such, ~~his~~ the duties shall include overseeing the appropriate application of the provisions of the Florida ~~b~~Building cCode and county and state laws as they pertain to the ~~b~~Building cCode .

§ 4.15 Development Review Committee (DRC).

A. *Purpose and Intent.*

The purpose of the DRC is to provide a coordinated and integrated review of development applications. The intent of the DRC is to help identify and address technical issues and concerns related to development applications that will subsequently be heard by the Planning and Zoning Board and Village Commission, specifically, but not limited to, site plans.

B. *Composition.*

The DRC shall be composed of representatives from every Village department which typically is involved in the review, implementation, and/or enforcement of development approvals, including Planning and Zoning, Building, Public Works (including solid waste and recycling), Police/Code Enforcement, Parks and Recreation, as well as other departments and Village professional consultants as may be necessary and as may be determined by the Village Manager. Representatives from external agencies may be invited to review and provide input as part of DRC reviews, including but not limited to Miami-Dade Fire Rescue Department, Miami-Dade County Public Schools, Miami-Dade Regulatory and Economic Resources, Florida Department of Transportation. The Chairperson of the DRC shall be the Planning and Zoning Official or another designee of the Village Manager.

C. *Limitations.*

1. The review of projects and comments on development proposals by the DRC shall not be construed to be an approval of any project presented to the development review committee.

2. The comments and input provided by the DRC are not meant to be exhaustive nor address policy questions beyond compliance.

3. Additional comments, questions and requirements, may be raised by the Village Manager, the Planning and Zoning Board and the Village Commission.

D. *Review procedure.*

1. Members of the DRC will complete individual reviews of the development application.

2. A DRC meeting shall be scheduled to discuss the individual member reviews upon the completion of all reviews.

3. Meetings shall be noticed via the Village website that may be supplemented by courtesy emails to registered property owners, and may be conducted virtually or in person.

4. The applicant for the development under review shall be invited to attend and may participate in the discussion, providing additional information or indication of how comments will be addressed.

5. Members of the public may attend the meeting and submit comments in writing, but verbal comments will not be solicited or allowed.

6. After the meeting, members of the DRC will submit their comments in writing to the Planning and Zoning Official, who in turn will communicate the comments (including any comments submitted by members of the public during the DRC meeting) to the applicant.

DIVISION 3, AMENDMENTS AND CHANGES TO UNIFIED LAND DEVELOPMENT CODE AND COMPREHENSIVE PLAN

§ 4.15~~5~~6 Amendments in general.

A. General.

The *Village Commission* may, from time to time, after public hearings before the *Planning and Zoning Board* and the Village Commission, amend or change the text or maps contained in the *Comprehensive Plan*, the district boundaries of the *Zoning District Map*, or the regulations established herein. Such amendments or changes shall be in general accord with sound principles of planning and zoning and with the purpose of these regulations.

B. *Process.*

1. Any person may apply to the *Village* to amend the Comprehensive Plan or this Unified Land Development Code.

2. When an application for an amendment is received, it shall be forwarded to the Planning and Zoning Board for its recommendation at least ten (10) days prior to the public hearing at which it will be heard.

3. The *Planning and Zoning Official* will forward ~~his~~ comments to the Planning and Zoning

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

Board prior to the hearing.

4. The hearing by the Planning and Zoning Board on an amendment to the Comprehensive Plan shall be held as provided in *Section 4.16(B)* or *4.16(C),* as applicable, and *4.16(D) of this ULDC* and in conformance with applicable state law.

5. After the hearing, the report and recommendation of the Planning and Zoning Board will be transmitted to the Village Commission.

§ 4.167 Amendments to the Comprehensive Plan.

A. *Generally.*

Amendments to the Village's *Comprehensive Plan* shall be undertaken only in accordance with the provisions for such amendments as set forth in *Section 163.3184* Florida Statutes.

B. *Village initiated changes.*

1. The *Village Commission* may initiate amendments to the *Comprehensive Plan* pursuant to the provisions of *Section 163.3184*, Florida Statutes.

2. Approval of any change to the *Comprehensive Plan* shall require the affirmative vote of a majority of the members of the *Village Commission* present.

C. *Property owner-initiated changes.*

1. Changes involving land use boundaries or categories.

a. A request, by a ~~duly certified~~ property owner or ~~his~~ duly certified owner representative or agent, for a change in land use category or boundaries shall be considered only if owners of at least 51 percent of the property involved in the requested change submit to the *Village cClerk* a duly signed and notarized petition accompanied by the proper fee.

b. The *Planning and Zoning Official* ~~will~~ shall review the application for the requested change in land use boundary or category and make a determination whether or not the requested change qualifies as a small scale ~~development activity~~ plan amendment under the provisions set forth in *Section 163.3187(1)*, Florida Statutes.

(1) If the requested change qualifies as a small-scale ~~development activity~~ plan amendment under the provisions of *Section 163.3187(1)* Florida Statutes the *Village Clerk* ~~will~~ shall schedule the first required public hearing before the *Planning and Zoning Board*, acting as the *Local Planning Agency*, to be held not more than 60 days after the application submission is found to be complete. The Local Planning Agency shall make a recommendation to the *Village Commission*. Thereafter, the *Village* shall conduct the amendment process as provided for under the provisions of the *Community Planning Act*.

(2) If the requested change does not qualify as a small-scale ~~development activity~~ plan amendment under the provisions of *Section 163.3187(1)*, Florida Statutes, the *Planning and Zoning Official* ~~will so~~ shall notify the applicant and the *Village Clerk* ~~will~~ shall schedule the first required public hearing before the *Planning and*

Zoning Board, acting as the *Local Planning Agency*, to be held not more than 60 days after the application submission is found to be complete. Thereafter, the *Village* shall conduct the amendment process as provided for under the provisions of the *Community Planning Act* governing the Expedited State Review Process.

c. Approval of any change in a land use category or boundary shall require the affirmative vote of a majority of the members of the *Village Commission* present.

d. *Reapplication*.
No property owner application for amendment to the *Comprehensive Plan* involving changes of land use boundaries or categories shall be filed less than one year after the date of disapproval by the *Village Commission* or conclusion of an appeal, whichever is later, of an application involving the same land or any portion thereof.

2. *Changes to the Comprehensive Plan not involving land use categories or boundaries.*
a. Any resident of the *Village* may request an amendment, not involving land use categories or boundaries, to the *Comprehensive Plan*.

b. Such requests shall be submitted, in writing, to the *Village Clerk*, accompanied by the reasoning and benefits expected to accrue to the *Village* as a result of the proposed change.

c. The *Village Clerk* shall forward the request to the *Village Commission* for its consideration.

d. If the *Village Commission* determines that the proposal warrants further consideration, it will schedule the proposal for consideration.

e. Approval of any change to the *Comprehensive Plan* shall require the affirmative vote of a majority of the members of the *Village Commission* present.

D. *Public hearings.*
Public hearings conducted to consider amendments to the *Comprehensive Plan* shall, at a minimum:

1. Comply with the requirements of state law.

2. Permit any person to submit written recommendations and comments before or during the hearing.

3. Permit a reasonable opportunity for interested persons to make oral statements.

E. *Expiration of application.*
A property owner initiated application to amend the *Comprehensive Plan* shall expire 180 days after written notice has been served by the *Planning and Zoning Official* to the applicant requesting that the applicant provide additional information or that the applicant needs to undertake a specific action(s) before the application can be further considered; provided that the applicant has not supplied the *Village* with the requested information, has not provided evidence to the Village ~~that has~~ about undertak~~en~~ing the specific action(s) set forth in the written notice,

or has not requested, in writing, an extension.

§ 4.17~~7~~8 Amendments to the Unified Land Development Code.

A. *Spot zoning.*

1. Prohibited.
Spot zoning shall be prohibited with regard to all amendments or changes in the district boundaries of the *Zoning District Map* or these regulations.

2. Defined.
Spot zoning, for the purposes of these regulations, is defined as having one or more of the characteristics set forth in subsections a – c.

a. Individuals seeking to have property rezoned for their private use, with the application showing little or no evidence of one or more of the following:
(1) ~~c~~Consideration of the general welfare of the public;
(2) ~~t~~The effect on the surrounding property (including adequate buffers);
(3) ~~w~~Whether all uses permitted in the classification sought are appropriate to the location proposed; or
(4) ~~or c~~Conformity to generally accepted *Comprehensive Plan*ning and zoning principles (including alterations to the population density patterns and increase of load on utilities, schools, and traffic)~~;~~.

b. The proposed change is not in conformity with the *Comprehensive Plan*.

c. The proposed rezoning would grant privileges not generally extended to any property similarly located in the area.

B. *Amendments rezoning property or substantially changing the uses permitted in zoning districts.*

1. Conditions for approval. No proposed zoning amendment shall be approved unless:
a. The proposed amendment will place all property similarly situated in the area in the same category, or in appropriate complementary categories.
b. There is a convincing demonstration that all uses permitted under the proposed district classification would be in the general public interest, and not merely in the interest of an individual or small group of people.
c. There is a convincing demonstration that all uses permitted under the proposed district classification would be appropriate in the area included in the proposed change. ~~(~~When a new district designation is assigned, any use permitted in the district is allowable, so long as it meets district requirements, and not merely uses which an applicant states he intends to make of the property involved~~)~~.
d. There is convincing evidence that the character of the neighborhood will not be materially and adversely affected by any use permitted in the proposed change.
e. The proposed change is in accord with the *Comprehensive Plan* and sound

Comprehensive Planning and Zoning principles.

2. Procedures for rezonings associated with a Special Area Plan in the Urban Core (T6) Zone are set forth in Chapter 15.

2. Reconsideration of district boundary changes. When a proposed change in *District Boundaries* has been acted upon by the *Village Commission* and disapproved or failed of passage, such proposed change, in the same or substantially similar form, shall not be reconsidered by the Village Commission for a period of at least six (6) months following the date of such action.

C. *Amendments that do not rezone property or substantially change uses permitted in zoning districts.*

Amendments to the Unified Land Development Code that do not rezone property or substantially change uses permitted in zoning districts, including changes associated with a Special Area Plan (as per Chapter 15), shall be in general accord with sound comprehensive planning and zoning principles and consistent with the adopted *Comprehensive Plan*.

CHAPTER 5, PERMITS AND DEVELOPMENT APPROVALS

§ 5.1 - Purpose and intent.

The purpose of this ~~c~~Chapter is to set forth the application and review procedures required to obtain development orders and certain types of permits; to establish regulations, procedures and standards for review and approval of all proposed development in the *Village* and to adopt a development review process that is efficient in terms of time and expense; effective in addressing the natural resource and public facility implications of proposed development; and, equitable with regard to established regulations and procedures, respect the rights of property owners and consideration of the interest of the citizens of the *Village*.

§ 5.2 - Development permit required.

No development allowed by this Code, including *Accessory Use* and temporary uses, shall be established, or changed, no *Structure* shall be erected, constructed, reconstructed, altered, or moved and no building used, occupied, or altered with respect to its use after the effective date of adoption of this Unified Land Development Code until there is on file in the *Village* an approved development order for said action. Nothing herein shall relieve any applicant of the additional responsibility of obtaining any permit(s) required by any applicable statute, ordinance, or regulation in compliance with all of the terms of this Unified Land Development Code or any other applicable laws.

A. *Special Area Plan Permit.*

All development within an approved ~~s~~Special ~~a~~Area ~~p~~Plan (SAP) shall be reviewed and approved through an SAP permit. In addition, all other permits necessary to develop property within the project, such as *Warrants*, *Waivers*, *Variances*, and Exceptions, shall be approved consistent with the approved SAP and provisions of this Code, and subject to the equivalent fee to those established by this Chapter and the Village *Code of Ordinances*.

B. *Review and approval process.*

1. The *Planning and Zoning Official* shall review each submitted application for an *SAP permit* for completeness within seven (7) business days of receipt. Upon verification by the Planning and Zoning Official, the application shall be reviewed for consistency with the approved SAP plan, design guidelines, development agreement, the North Bay Village Unified Land Development Code and *Comprehensive Plan*.
    a. Approvals shall be granted when the application is consistent with the SAP, design guidelines, development agreement, the North Bay Village Unified Land Development Code and Comprehensive Plan, as applicable. Conditional approvals shall be issued when the application requires conditions in order to be found consistent with the SAP, inclusive design guidelines, development agreement, the North Bay Village Unified Land Development Code and Comprehensive Plan, as applicable. Denials of applications shall be issued if, after conditions and safeguards have been considered, the application still is inconsistent with the SAP, design guidelines, development agreement, the North Bay Village Unified Land

Development Code and Comprehensive Plan, as applicable. The decision of the *Planning and Zoning Official* shall include an explanation of the Code requirements for an appeal of the decision.

b. An *SAP Permit* shall be valid for a period of two (2) years during which time a building permit or Certificate of Use must be obtained. This excludes a demolition or landscape permit. A one (1) time extension, for a period not to exceed an additional year, may be obtained if approved administratively by the *Village Manager* upon written request by the Applicant and subject to the equivalent fee to those established by the Village Code.

2. Depending on the scope of the SAP permit application, the *Planning and Zoning Official* may request a coordinated development review of the application and may refer the application to the *Planning and Zoning Board* and *Village Commission* for review and approval.

C. *Appeal of an SAP Permit*

1. Appeal of the determination of the *Planning and Zoning Official* shall be in compliance with the procedures set forth in Chapter 4 – Administration and Enforcement, *Section 4.4*, and *Section 4.5*, of this Code.

D. *Modifications to a previously approved SAP Permit*

1. All applications for modifications of an approved SAP Permit shall be submitted in writing to the *Planning and Zoning Official* explaining the need for corrections and accompanied by any required fees established by the *Village* adopted *Fee Schedule*. Except for minor modifications, the permit may be amended only pursuant to the procedures and standards established for its original approval. The *Planning and Zoning Official* shall review criteria established in Village Unified Land Development Code to determine the degree of the modification.

2. Minor modifications shall be reviewed for compliance with the regulating plan, design guidelines, development agreement, the North Bay Village Unified Land Development Code and *Comprehensive Plan*, as applicable. If found to be in compliance, the *Planning and Zoning Official* shall grant the application for minor modification.

DIVISION I, PROCEDURES FOR OBTAINING DEVELOPMENT ORDERS

§ 5.3 – Application required.

Application for any development order shall be made in writing on the appropriate form obtained from the *Village Clerk* and shall be made by the owner(s) of the property for which the action is being requested or by ~~his~~ the authorized owner's representative or agent.

A. Complete applications required.

1. Completeness Determination. An application for any review under Division shall be submitted in the appropriate format and shall contain all information required by this article. Upon receipt of an application, the Planning and Zoning Official shall review such application for completeness.

a. The Planning and Zoning Official shall return to the applicant any application found not to be complete, with a specific list of missing items or other deficiencies.

b. If an application is found to be complete, the Planning and Zoning Official shall submit it for processing in accordance with this Code.

2. Filing Fee Required. No application shall be considered complete unless accompanied by the proper filing fee.

B. Multiple reviews.

Projects may require completion of various separate but related procedures in order to secure final approval. Compliance with all applicable procedural and application requirements set forth in this ULDC is required for the following types of applications:

1. Rezoning and Text Amendments, including SAPs
2. Subdivision/Platting
3. Use Exception
4. Variances
5. Site Plan Reviews
6. Administrative Warrants and Waivers

C. Separate and combined applications.

A separate application shall be required for each request listed above, but all applications related to the same project may be submitted together and processed concurrently or sequentially, as may be appropriate in regards to the timing of each.

§ 5.4 – Designation as minor or major development.

At the time the owner or ~~his~~ authorized owner's representative or agent requests an application for development order, the ~~department~~ Planning and Zoning Official shall determine whether the proposed project constitutes a minor development 1, minor development 2, or major development.

A. Minor development 1.

1. A development will be designated a minor development 1 if it contains two (2) or fewer *Dwelling Units* or not more than 299 square feet of commercial use.
2. Minor development 1 projects will be reviewed and approved administratively by the ~~*Building Official*~~ *Planning and Zoning Official* or designee.

B. Minor development 2.

1. A development will be designated a minor development 2 if it contains from three (3) to

six (6) *Dwelling Units* or from 300 to 10,000 square feet of commercial use.

2. Minor development 2 projects will be heard at public hearings before the *Planning and Zoning Board* and the *Village Commission*.

C. *Major development.*

1. A development shall be designated as a major development if it contains seven (7) or more *Dwelling Units* or more than 10,000 square feet of commercial use.

2. Major development projects will be heard at public hearings before the *Planning and Zoning Board* and the *Village Commission*.

D. *Government uses and facilities.*

1. Government-provided uses or facilities developed by the Village, or through an agent of the Village, on public property, are not subject to the review requirements of this Division, and may be approved by Resolution of the Village Commission. The Village Commission may however, at its discretion, voluntarily subject such government-provided uses or facilities to the review requirements of this Division. The Village may withdraw a project from further review under this Division at any time without penalty.

§ 5.5 – Basic application requirements for all developments.

~~Five (5) copies of t~~The following basic materials shall be submitted electronically to the *Planning and Zoning Official* before any application for a development order shall be reviewed and deemed complete by the Planning and Zoning Official. A detailed *Checklist* shall be provided to the Applicant by the Planning and Zoning Official.

A. The Village's standard application forms, completed, signed by all property owners or their designated agents, and notarized. In case of corporate ownership, the authorized signature shall be accompanied by a notation of the signer's position in the corporation and embossed with the corporate seal. Proof of ownership such as fee simple title or option to acquire fee simple title within a specific period of time shall be submitted with the forms.

B. A *Survey* at a scale of not less than one-inch equals 40 feet, prepared by a registered land surveyor and not more than one (1) year old and including the legal description of the property, at least two benchmarks, all *Easements*, and *Rights-of-Way*.

C. Except for a single-family residence, a site plan to include physical features in or adjoining the site, as described in Sec. 5.8, proposed driveways, *Alleys*, *Off-Street Parking* and *Loading Areas*, storm drainage, sanitary sewer facilities, and lighting systems.

D. Preliminary floor plans and elevations of proposed buildings at not less than 1/16-inch scale.

E. Location, height, and type of all proposed *Buildings*, *Walls*, *Signs*, landscaping, and *Open Space*. Tabular project summary including total acreage, project density and floor area ratio (FAR), *Lot Coverage*, open space, and number of parking spaces. If *Variances*, *Use Exceptions*, *Waivers*, and *Warrants* are being requested, the extent of these variances from requirements shall be noted.

F. Level of service assessment report prepared pursuant to ~~(See~~ Division 2, *Section 5.17* through *Section 5.20*~~)~~.

G. Development approval fees, cost recovery deposit pursuant to *Section 5.12* and all other fees set forth in per the Village's adopted *Fee Schedule*, as may be amended from time to time.

H. Preliminary civil engineering plans, including at a minimum, schematics of proposed water and sewer distribution, signing and pavement markings, grading, stormwater management plans, drawn, signed and sealed by a professional engineer following the standards and guidelines provided by the Village's Public Work Department. Preliminary stormwater calculations shall be submitted demonstrating compliance with the standards and requirements of Division 7, Chapter 9 of this ULDC.

I. Existing tree survey and tree disposition plan (if applicable) along with proposed landscape plans drawn, signed and sealed by a Florida registered architect or landscape architect, including but not limited to proposed plant lists, maintenance plan, planting details, hardscape materials, site lighting, and site furnishings and irrigation design.

J. Green building program compliance documentation per Sec. 8.22.

K. Documentation (e.g., certification) of existing, approved plat.

L. Opinion of Title, if applicable.

M. School Concurrency Availability Determination letter from Miami-Dade Public Schools.

N. Information pertaining to previous building and land development experience of the applicant.

O. Evidence of applicant's ability to acquire sufficient development funds, (either a letter of commitment from a recognized financial institution, or a certified personal or corporate financial statement).

§ 5.6 – Major development application requirements.

In addition to the basic application requirements of *Section 5.5*, ~~five (5) copies of~~ the following documents may be required by the Planning and Zoning Official to accompany an application for a major development permit:

A. Development impact study which shall demonstrate whether the impact of the proposed development is favorable, adverse, or neutral on the economy, public services, infrastructure, environment, and housing supply of the Village.

1. Transportation impact analysis (TIS). A TIS shall be required for all applications for projects consisting of more than twenty (20) residential units, or more than seven thousand (7,000) sq. ft. of commercial space, unless the applicant secures a waiver as provided below.

a. When required, the TIS shall be used to determine, among other things and without limitation, the transportation impacts that a project will create, with a traffic

methodology approved by the Planning and Zoning Official or a designee, and ways to mitigate both the number of vehicle trips and the vehicle miles traveled to and from the project proposed in the application including drawings of such mitigation proposals when required by the Planning and Zoning Official.

b. The Planning and Zoning Official may require a TIS for projects consisting of less than the thresholds set forth above, if it is determined that the application has an impact on roadway or transportation networks that justifies such an analysis as part of the application process.

c. Alternatively, the Planning and Zoning Official may waive the requirement of a transportation impact analysis if an application proposes a project generating less than seventy-five (75) vehicle trips per day, or it is determined that any roadway or transportation impacts could be resolved during concurrency review or will produce de minimis impact (i.e., less than 1%).

d. The analysis may be discussed with the Planning and Zoning Official or a designee during a pre-application meeting. and a Memorandum of Understanding may be entered into to define the methodology and parameters of the transportation impact analysis. Trip generation rates shall be taken from professionally recognized sources.

2. Environmental impact studies, soil assessments, and other types of studies prepared by a registered professional may be required based on existing characteristics or conditions of the site or on the type or scope of the proposed project.

3. The Village Commission, Planning and Zoning Board, Village Manager or designee, shall have the same authority as the Planning and Zoning Official to require any type of impact analysis, including but not limited to a TIS when an application is presented to them for review.

B. Description of the relationship of the proposed project to surrounding, existing, and proposed future land uses, and to existing zoning, and the Village's *Comprehensive Plan*.

C. Listing of any special permits, variance, or exemptions or any other *Village* ordinance that may be required.

§ 5.7 – Review of development plan.

A. Within fifteen (15) working days of receipt of a petition for development plan approval the ~~Building Official~~ *Planning and Zoning Official* shall:

1. Determine whether or not the information is complete or incomplete, and if incomplete inform the applicant in writing of the deficiencies. The applicant may submit an amended plan within ten (10) days without payment of a reapplication *Fee*.

2. ~~Determine that~~ If the petition is complete.
   a. If the petition is for a minor development, approve or disapprove the application.
   b. If for a major development, proceed with the following procedures.

B. Prepare a written report setting forth the factual conclusions and:

1. Recommend that the petition be approved or approved with conditions.

2. Recommend that the proposed development permit be denied; or

3. Recommend that the petition be denied unless specific modifications are made. The modifications shall be described in sufficient detail and exactness to allow the Applicant to amend ~~his~~ the request accordingly.

C. Review by *Planning and Zoning Board* and *Village Commission*.

1. Site plans for projects designated as Minor development 2 and Major development per Sec. 5.4 of this ULDC shall be reviewed by the Planning and Zoning Board and the Village Commission.

2. Determination of readiness for public hearing shall be at the discretion of the Planning and Zoning Official based on technical staff review and the satisfaction of all their comments and of the Village Clerk, subject to notice, compliance, posting, mailing, and cost recovery.

3. Determination of the number of paper copies to be submitted by the applicant for each public hearing shall be satisfied at the discretion of the Village Clerk.

4. In reviewing site plans for development, the Planning and Zoning Board and the Village Commission must consider and abide by the provisions of *Chapter 9*.

5. The review by the *Planning and Zoning Board* and *Village Commission* shall attempt to establish that the proposed development or redevelopment conforms to all applicable provisions of the building and zoning regulations of the *Village* and the *Florida Building Code*; and that the proposed development or redevelopment has a design and arrangement which:

   a. Protects against and minimizes any undesirable effects upon contiguous and nearby property.

   b. Provides sufficient *Off-Street Parking* and *Loading Facilities* so that it will not be necessary to use the *Streets* in the vicinity for this purpose.

   c. Provides sufficient *Setbacks*, *Open Space*, and landscaping in order to protect and enhance the appearance and character of the neighborhood.

   d. Can be accommodated by existing community roads, services, and *Utilities*, or the necessary additions are provided by the developer.

6. The review of a site plan does not indicate or imply approval of the working drawings (plans) and specifications required for the building permit.

7. Requests for *Variances*, use exceptions, *Warrants*, and *Waivers* shall require a separate public hearing.

§ 5.8 – Site plan review approvals~~, site plan and model required~~.

A. ~~Site plan and model required.~~

~~For any proposed development or redevelopment within the *Village* other than a single-family residence, a site plan and a digital visualization or virtual reality computer model, or an architectural model built to scale, shall be furnished to the *Village Manager* or his/her a designee. Within ten (10) days prior to the *Planning and Zoning Board* public hearing, the applicant shall make available for view a computer model or an architectural model and photographs depicting same. If an architectural model is provided, said model shall be retrieved by the developer within thirty (30) days following the final public hearing before the *Village Commission*. The photographs depicting the model and any computer model shall become part of the public records. Any computer or architectural model shall demonstrate the proposed structure as well as existing structures on either side. The aApplicant shall affirmatively demonstrate that no setback for the new *Structure* shall conflict with the existing or approved structure on either side of the proposed structure.~~

~~B.~~ Site plan requirements.

Approval of ~~the~~ a site plan shall meet the requirements of *Section 4.2*. The site plan shall include, but not be necessarily limited to, the following information ~~material~~ which shall be listed, along with any other required documentation, in a checklist maintained by the Planning and Zoning Official. Site plans shall ~~including~~ conforma~~nce~~ with all applicable State laws and those of Miami-Dade County.

1. The title of the proposed project and the name of the site planner, engineer, architect, landscape architect, developer, and owner.
2. The north point, scale (1/16 inch to the foot, or larger), and date of preparation of the site plan.
3. Existing and proposed zoning *District Boundaries*.
4. Existing *Easements* (with the ownerships thereof noted on the plan), *Property Lines*, *Streets*, *Building*, and other physical features in or adjoining the project.
5. Proposed *Streets*, *Alleys*, driveways, walkways, curb cuts, *Off-Street Parking Spaces*, *Loading Areas*, outdoor lighting systems, storm drainage, and sanitary sewer facilities.
6. Preliminary floor plans of typical floors and elevations of any proposed building according to a 1/16-inch scale.
7. Location, height, and type of all proposed *Buildings*, *Structures*, *Uses*, *Signs*, *Fences*, *Walls*, landscaping, and *Open Space*.
8. Tabular project summary, indicating the total acreage, plot area density, *Lot Coverage*, *Open Space*, and *Off-Street Parking Spaces*. If *Variances* are being sought, the extent of those variances from the requirements of this chapter shall be included within the tabular summary.

B. Visualizations.

1. At least ten (10) days prior to the *Planning and Zoning Board* public hearing, the applicant for a site plan shall submit the following in a format suitable for easy display to and access by the public:

   a. A minimum of three (3) digital visualizations, virtual reality computer model, or an actual architectural model of the project built to scale. Color renderings shall provide visualization of the massing, shape, design, texture, and scale of proposed buildings and landscaping. All visualizations, digital or physical, shall demonstrate the proposed structure(s) in context with existing structures on adjacent/surrounding properties.

   b. If the proposed building is more than 150 feet in height, a professionally prepared shadow study, analyzing shadows for the solstice and equinox at 9:00 A.M., 12:00 Noon, and 3:00 P.M., occurring on the following dates: Junes 21st or 22nd (summer solstice), September 21st and March 21st (winter solstice). The shadow study shall utilize the correct sun angle altitude and azimuth, with sun direction clearly illustrated, and shall show all properties impacted by project shadows.

2. All visualizations and/or photographs of any architectural model submitted shall become part of the public record of the project.

3. If an architectural model is provided, said model shall be retrieved by the developer within thirty (30) days following the final public hearing before the *Village Commission*.

~~10. Review by Planning and Zoning Board and Village Commission.~~

~~a. Site plans for a building(s) or buildings which contain more than two (2) Dwelling Units, or more than 299 square feet of commercial or office space shall be reviewed by the Planning and Zoning Board and the Village Commission.~~

~~b. In reviewing site plans for development, the Planning and Zoning Board and the Village Commission must consider and abide by the provisions of Chapter 9.~~

~~c. The review by the Planning and Zoning Board and Village Commission shall attempt to establish that the proposed development or redevelopment conforms to all applicable provisions of the building and zoning regulations of the Village and the Florida Building Code; and that the proposed development or redevelopment has a design and arrangement which:~~

~~(1) Protects against and minimizes any undesirable effects upon contiguous and nearby property.~~

~~(2) Provides sufficient Off-Street Parking and Loading Facilities so that it will not be necessary to use the Streets in the vicinity for this purpose.~~

~~(3) Provides a sufficient Setbacks, Open Space, and landscaping in order to protect and enhance the appearance and character of the neighborhood.~~

~~(4) Can be accommodated by existing community roads, services, and Utilities, or the necessary additions are provided by the developer.~~

~~d. The review of a site plan does not indicate or imply approval of the working drawings (plans) and specifications required for the building permit.~~

~~e. Requests for Variances, use exceptions, Warrants, and Waivers shall require a separate public hearing.~~

§ 5.9 – Waterfront sites.

Any proposed development or redevelopment that involves a waterfront site must obtain approval from Miami-Dade County *Shoreline Review Committee* pursuant to the provisions of Sec. 9.11 of this ULDC.

§ 5.10 – Administrative approval of site plan modification.

A. Authority and applicability.

An amendment to a site plan that has been approved by the *Planning and Zoning Board* and the *Village Commission* pursuant to *Sections 4.2* and *5.8* may be approved by the *Village Manager* upon recommendation of the Village *Planning and Zoning Official* without further review or approval by any such body, if it falls under one or more of the following categories ~~as follows~~:

1. Any modification to the overall combination of unit types within the *Building(s)* shown on the approved site plan or any increase in the total number of units, provided that the additional total number of units does not exceed five percent (5%) of the total number of *Dwelling Units* of the approved site plan and the resulting total number of units does not exceed the allowable density under the North Bay Village's Unified Land Development Code.

2. Any modification to increase the size of any units shown on the approved site plan provided that the modification is consistent and is not in violation of the North Bay Village's Unified Land Development Code. Further, the total *Floor Area* for the site plan modification shall not exceed ten percent of the approved site plan after deducting any increase in total floor area directly attributed to bringing unit sizes into compliance with the current minimum unit size set forth in the North Bay Village's Unified Land Development Code. Any increase in the number or in the size of units will be subject to review in order to determine if *Concurrency* requirements are met.

3. Any modification to increase or decrease the floor-to-ceiling dimensions of any individual floor within the approved site plan, provided that the modification complies with the North Bay Village's Unified Land Development Code and does not result in a modification of the number of floors for the approved site plan.

4. Any modification to increase or decrease the number of parking spaces or loading spaces within the approved site plan made in order to conform the *Off-Street Parking* or loading of the approved site plan to any modification of a nature described in

subparagraphs A.1 or A.2, preceding, provided that the modification shall be substantially consistent with the approved site plan and not in violation of the North Bay Village's Land Development Code or any applicable state of federal law.

5. Any modification to the footprint of any *Building* shown on the approved site plan provided that the modification does not change the generalized location of the building(s) shown on the approved site plan nor conflict with buffering requirements and is not in violation of the North Bay Village's *Code of Ordinances*.

6. See also *Warrants* and *Waivers* set forth in Chapter 15, *Section 15.1.H*.

B. Limitations.

Any modifications approved by the *Village Manager* upon recommendation of the *Village Planning and Zoning Official* pursuant to *Section 5.9* shall be subject to the following limitations:

1. Any modification to an approved site plan not expressly authorized under Section 5.9 shall require review and approval in accordance with the requirements and procedures for review and approval of a new site plan, as set forth in *Section 5.8*.

2. Modifications to an approved site plan approved pursuant to *Section 5.9* shall take effect upon approval by the *Village Manager*, upon recommendation of the Village *Planning and Zoning Official*.

C. Procedure.

1. Complete applications for an administrative approval of site plan modification shall be submitted electronically to the *Planning and Zoning Official* or a designee in an application form provided by the *Village*, with copy to the Village Clerk. The Planning and Zoning Official may also request paper copies of certain documents.

2. To be deemed complete, an application shall include:

a. Documentation of a previously approved site plan/development order.

b. A *Certified Land Survey* dated within two (2) years of the filing date of the administrative adjustment application, reflecting all current conditions.

c. Accurately dimensioned plans showing the proposed modification(s).

d. Additional plans and/or studies as may be required by the Planning and Zoning Official, based on the scope of the proposed modification(s).

e. A letter of intent explaining the nature of and rationale for the proposed modification(s); evidence that the request complies with subsection A. of this section; and other pertinent information. Insufficient justification may result in denial of the application.

e. Filing fees and cost recovery deposit (Refer to the most current North Bay Village *Fee Schedule*).

3. The Planning and Zoning Official shall review the application for completeness, and a

completeness or incompleteness memo is prepared, accordingly. The file will be placed on hold and will not be processed further until the applicant responds to an incompleteness determination.

4. Notice of a site plan modification request shall be mailed by the applicant to property owners within the same radius as those notified of the original approval hearing, on a form provided by the Village Planning and Zoning Official. The notification shall:

   a. Accurately describe the modification(s) and the reason(s) for the request, and provide options for viewing the proposal and for supporting it or objecting to it.

   b. Be sent via first class mail, return receipt requested, to property owners of record, as reflected on the latest Miami-Dade County Property Appraiser's tax roll.

5. The applicant shall present proof to the Planning and Zoning Official that a notification meeting the above-listed requirements has been sent, including all return receipts and responses, if any. A US Postal Service return of the notice as undeliverable shall be considered acceptable proof.

6. Once the application has been deemed complete, it may be referred for development review if the Planning and Zoning Official determines such multidisciplinary review is necessary. A consolidated set of development review comments shall be issued in writing. In response, the applicant may modify the request, plans or supporting documentation. The applicant may also request a meeting with the Planning and Zoning Official or members of the development review team to discuss revisions or additional information regarding the application.

7. After comments are addressed by the applicant, the Planning and Zoning Official shall issue written findings and a recommendation to the Village Manager regarding the applicable criteria and any other applicable regulations.

8. The findings and recommendation shall be used by the Village Manager to approve, approve with conditions, or deny the application for site plan modification.

C. ~~Courtesy notification of an approved site plan modification review will be given to property owners subject to the requirements of Section 4.4.A., hearing and notices, of the North Bay Village's Unified Land Development Code.~~ Notification for Warrants and Waivers shall be in compliance with procedures established in Chapter 15, *Section 15.1.H*.

§ 5.10~~1~~1 – Expiration of site plan approval.

Site plans approved in accordance with these regulations shall expire two (2) years following final approval by the *Village Commission* unless otherwise approved by development order. Such site plans may be granted no more than two (2) one-year renewals subject to approval by the Village Commission. To avoid expiration of the site plans the applicant must apply for a full building permit within the time frames set forth above.

§ 5.11~~1~~2 – Building permits.

While both development permits and development orders are considered development orders by state law, building permits are distinguished in this Code as approvals for actual construction or installation.

A. *Authority*

The ~~South~~ *Florida Building Code* has been adopted by North Bay Village as the "Building Code of North Bay Village." All applications for building permits shall be submitted to and processed by the *Building Official*.

B. *Requirements and conditions*.

The following requirements shall be met prior to the processing of any application for a building permit.

1. All petitions must be accompanied by two sets of plans and specifications prepared in accordance with the requirements of the ~~South~~ *Florida Building Code*. The plans must include a survey prepared by a registered land surveyor.
2. Petitions must include a level of service assessment (see *Section 5.18*).
3. Petitions for development or redevelopment other than for a single-family residence must contain a site plan which contains:
   a. Existing and proposed future land use and *Zoning District Boundaries*.
   b. Existing *Easements* and all physical features in or adjoining the project.
   c. Proposed *Streets*, *Alleys*, curb cuts, *Off-Street Parking* spaces, *Loading Areas*, outdoor lighting, storm drainage, and sanitary sewer facilities.
   d. Tabular project summary indicating *Lot Area*, building area, density, and *Off-Street Parking* spaces.
   e. Location, type, height of all proposed *Buildings*, *Signs*, *Fences*, landscaping, and *Open Space*.
   f. Petitions must be accompanied by the appropriate filing fee as set forth in *Section 5.12*.

§ 5.12~~3~~3 - Filing fees, charges for consultant services, and escrow account.

A. *Consultants.*

1. The *Village Manager* and/or ~~his/her~~ designee as part of the review of any development application presented to the *Village*, may refer any such application to such engineering, planning, legal, technical, environmental, or other professional(s) consultants employed or retained by the Village ("consultant(s)") as the ~~m~~Manager shall deem reasonably necessary to enable ~~him/her to~~ the review such application as required by law.
2. Charges made by such consultants shall be made in accordance with the charges customarily made for such services in Miami-Dade County, and pursuant to an existing contractual agreement by and between the *Village* and the consultant.

3. The consultant's services shall be charged at the hourly rates specified in the particular consultant's agreement with the *Village*. The Village shall provide the applicant with a copy of the consultant's invoice for any services charged against the applicant's cost recovery deposit.

B. *Cost recovery established.*

1. The applicant shall reimburse the *Village* for the actual cost of ~~C~~consultant or employed professional review services pursuant to the cost recovery procedures and requirements of subsection C below.

2. Payment in full by the applicant to the *Village* for the Village's actual expenditures for review of the application shall be a written condition of any development order. These cost recovery deposits *Fee* shall be in addition to any and all other fees required by law, rule, or regulation of the Village Code.

C. *Cost recovery procedure*.

1. At the time of submission of any application for development approval, the applicant shall pay the minimum cost recovery deposit *Fee* outlined in the development approval fee and cost recovery deposit schedule set forth in this ~~s~~Section, which funds shall be deposited into a cost recovery escrow account established for this purpose. Withdrawals shall be made to reimburse the *Village* for the cost of consultant services.

2. The *Village* shall provide the applicant with a copy of the consultant's invoice for any services charged against the applicant's cost recovery escrow account.

3. When the balance in the Village's cost recovery escrow account is reduced to one-half (½) of its initial amount, the applicant shall deposit additional funds into such account to bring its balance up to the amount of the initial deposit. If such amount is not replenished within 30 calendar days after the applicant is notified, in writing, of the requirement of such additional deposit, the Village shall suspend its review of the application and the application shall be deemed withdrawn.

4. If an application is suspended due to nonpayment of the additional escrow deposit specified in subsection 3, a resubmission fee shall be paid, and the cost recovery deposit shall be replenished to a minimum of one-half of the original deposit amount before the application will be reviewed.

5. Prior to the scheduling or noticing of any board or commission hearing, the *Village Manager*'s review of the application shall be complete, and the cost recovery escrow account balance shall be replenished to equal at least one-half of the initial deposit amount.

D. *Review of consultant's charges*.

Upon a determination by the *Village Manager* or ~~his/her~~ designee that there has been a miscalculation concerning a consultant's *Fee*, the Village Manager or ~~his/her~~ designee is authorized to review the charges and issue a credit or refund a portion of the cost recovery deposit.

E. *Fees.*

Filing fees, cost recovery deposits and fees for copies and other services are listed in *Fee Schedule* as set forth by the *Village Manager* and adopted by Resolution of the *Village Commission*.

F. *Subsequent review and resubmission fees*.

1. A resubmission fee shall be required to be submitted by the applicant as specified in this ~~s~~Section.

2. If an application is deemed incomplete, is withdrawn prior to the hearing by the board or commission, is deemed withdrawn for failure to respond to a request for information necessary for review, or suspended for nonpayment of required additional cost recovery *Fees* within the required timeframe, any subsequent submission shall be accompanied by a resubmission fee of ~~50~~ fifty percent (50%) of the original application filing fee.

3. Should the project be substantially changed or modified so that, in the opinion of the *Village Manager* or ~~his/her~~ designee it represents a new project on the same property, the resubmission fee shall be equal to the original filing fee appropriate to the particular project.

G. *Refund.*

1. *Fees.* All fees shall be deemed nonrefundable unless the refund request has been received prior to administrative review or public advertisement.

2. *Cost recovery escrow account.* Upon final approval or denial of an application, expiration of any applicable appeal period, and payment of all consultant charges, the *Village* shall refund to the applicant any funds remaining in the cost recovery escrow account.

~~§ 5.13 – Reserved.~~

§ 5.14 – Errors, violations, and permits erroneously issued.

A. The issuance or granting of a permit or approval of plans or specifications shall not be deemed or construed to be a permit for, or an approval of, any violation of any of the provisions of this ULDC. No permit presuming to give the authority to violate or cancel the provisions of this ULDC shall be valid except insofar as the work or use which it authorizes is lawful.

B. The issuance of a permit upon plans and specifications shall not prevent the *Building Official* from thereafter requiring the correction of errors in the plans and specifications or from preventing building operations being carried on there under when in violation of this ULDC, or any ordinance of the *Village*.

D. A permit issued through administrative error, in violation of this ULDC, or on the basis or incomplete or incorrect information supplied, shall give the permittee no vested rights and shall be suspendable or revocable by the *Building Official,* regardless of the source and nature of the defect.

E. When permits are issued through administrative error, it shall be called to the attention of the permit holder as soon as it is discovered. The situation shall be ~~voluntarily~~ corrected by the permit holder to the satisfaction of the *Village Administration* within a reasonable amount to time to be determined by the Administration. In the event of an unresolved dispute between the permit holder and the *Administration*, the permit holder shall have the right to an administrative appeal according to the procedures set forth in *Section 4.5*.

§ 5.15 – Certificates of occupancy.

A. No premises shall be used and no *Building* hereafter erected or structurally altered shall be used, occupied, or changed in use until a certificate of occupancy and compliance has been issued by the *Building Official* stating that the building or premises complies with the ~~South~~ *Florida Building Code* and the provisions of these regulations. In the event there is a question as to the nature or legality of a use, the Building Official shall require affidavits and such other information as he may deem appropriate or necessary to establish the nature and legality of the use before issuance of a certificate of occupancy.

B. No permanent or final electrical service will be permitted until a final certificate of occupancy has been issued.

C. Whenever a request has been made to the *Building Official* for the issuance of a certificate of occupancy, it shall be accompanied by a certificate of compliance consisting of affidavits from the building contractor (or owner-builder) responsible for the building and the architect or engineer whose seal appeared on the original and all supplementary plans filed in support of the application. The affidavits by the architect or engineer and the building contractor (or owner-builder), respectively, shall state affirmatively that the plans and specifications and all changes thereto are in compliance with, and that the buildings or structures have been substantially completed in accordance with, the ~~South~~ *Florida Building Code* and this ~~c~~Chapter or any variance thereto lawfully granted by the *Village Commission*.

D. Temporary certificates of occupancy may be issued for commercial or multi-family *Structures* for purposes of testing. No temporary certificate of occupancy may be issued for a single-family residence. No occupancy of a single-family residence shall be permitted until a final certificate of occupancy has been issued.

E. The *Building Official* shall not issue any certificate of occupancy for any new or remodeled or otherwise structurally altered building without first receiving the certificate of compliance as set forth in subparagraph C, above. Upon the receipt of the certificate of compliance, it shall be examined by the Building Official.

F. Following a physical examination, ~~by the Building Official,~~ determination of compliance with all applicable codes and ordinances, and conditioned upon ~~his~~ the Building Official's written certification of the accuracy of the information contained in the affidavit supporting the certificate of compliance, the Building Official shall issue a certificate of occupancy.

G. Any person submitting false information by affidavit in support of a certificate of compliance may receive the maximum punishment as provided by the *Village Charter*. Any certificate of

occupancy issued upon information supplied therein shall be subject to revocation.

H. No final inspection shall be made, nor shall any certificate of occupancy be issued until all *Fees* and charges due to the *Village* pertaining to the property are fully paid.

§ 5.16 –Vacation of streets, alleys, easements, and public rights-of-way.

A. *Policy declaration.*

The *Village* declares the following to be its general policy regarding vacation of *Streets*, *Alleys*, *Easements*, and public *Rights-of-Way*. The vacation of streets, alleys, easements, and public rights-of-way shall be considered based primarily, but not exclusively, on the effect on utilities located in said rights-of-way, emergency services access, feasibility of road construction, access to *Lots* abutting the vacation, area traffic patterns and adjacent landowners' input.

B. *Vesting of title upon vacation.*

Whenever any property has been conveyed to, or acquired by, the *Village* for use as a *Street*, *Alley*, *Easements*, and public *Rights-of-Way*, and thereafter is vacated, title to the lands included within such street, alley, easement, or public right-of-way, or so much thereof as may be vacated, shall vest, subject to the same encumbrances, liens, limitations, restrictions, and estates as the land to which it accrues, as follows:

1. In the event that a *Streets*, *Alleys*, *Easements*, and public *Rights-of-Way*, which constitutes the exterior boundary of a subdivision or other tract of land, is vacated, title to vacated property shall vest in the owners of the land abutting the vacated property at the time said property was acquired for public use, was a part of the subdivided land, or was a part of the adjacent land.

2. In the event that less than the entire width of a *Streets*, *Alleys*, *Easements*, and public *Rights-of-Way* is vacated, title to the vacated portion shall vest in the owners of the land abutting such vacated portion.

3. In the event that a *Street*, *Alley*, *Easements*, and public *Rights-of-Way* bounded by straight lines is vacated, title to vacated property shall vest in the owners of the abutting land, with each owner taking to the center of the street, alley, easement or public right-of-way, except as provided in subsections A. and B. of this section. In the event that the *Boundary Lines* of abutting lands do not intersect the roadway at a right angle, the land included within such roadway shall vest as provided in subsection D. herein.

4. In all instances not specifically provided for, title to the vacated property shall vest in the owners of the abutting *Land*, with each owner taking that portion of the vacated property to which ~~his~~ land or any part thereof is nearest in proximity.

5. No portion of a roadway, upon vacation, shall accrue to an abutting roadway.

C. *Reservation of land for utility uses.*

In the event of vacation, *Easements* may be reserved for the continued use of existing sewer, gas, water or similar pipelines and appurtenances, for ditches, or drainage and appurtenances, and for electric, telephone, cable and similar lines and appurtenances.

D. *Vacation to be accomplished by ordinance.*
If the *Village Commission* approves an application for a vacation, the actual vacation of any property within a *Street*, *Alley*, *Easements*, or public *Rights-of-Way* within the *Village* shall be accomplished by ordinance.

E. *Recordation of vacation ordinance.*
Any ordinance for vacation of any *Street*, *Alley*, *Easements*, or public *Rights-of-Way* within the *Village*, once duly passed and effective, shall be recorded or caused to be recorded by the Village in the official records of Miami-Dade County. The vacation shall not be effective until such recording has been completed and the applicant who initially requested the vacation has reimbursed the Village for its recording costs and *Fees*. No permits shall be issued until such time as the recordation of the vacation has been completed.

F. *Reapplication.*
No application for a vacation of streets, alleys, easements, or public rights-of-way shall be filed less than one year after the date of disapproval by the *Village Commission* or conclusion of an appeal, whichever is later, of an application for vacation involving the same *Land*, *Easements*, or *Rights-of-Way* or any portion thereof.

G. *Expiration of application.*
An application for the vacation of a *Street*, *Alley*, *Easements*, or public *Rights-of-Way* shall expire 180 days after written notice has been served by the *Building Official* to the applicant requesting that the applicant provide additional information or that the applicant needs to undertake a specific action(s) before the application can be further considered; provided that the applicant has not supplied the *Village* with the requested information; has not provided evidence to the Village ~~that he/she has~~ about undertak~~en~~ing the specific action(s) set forth in the written notice; or has not requested, in writing, an extension.

§ 5.17 – Certificates of use.

A certificate of use confirming that a property or structure has the appropriate zoning for its proposed use shall be required for all new businesses, a change in ownership of an existing business or a change in the character of occupancy of any existing business. Such certificate shall be obtained from the Planning and Zoning Official prior to the issuance of a business tax receipt.

§ 5.18 – Unity of title submittal and procedures.

A Unity of Title, as defined in Chapter 3 of this ULDC, shall be required as specified below and shall be a prerequisite to the issuance of a building permit:

A. Required. A Unity of Title is required in the following cases:

1 Whenever the building site consists of more than one lot or parcel and the main building is located on one lot or parcel and auxiliary or accessory use buildings are located on the remaining lot or parcel comprising the building site.

2. Whenever the building site consists of more than one lot or parcel and the main building is located on one or more of the lots or parcels and the remaining lots or parcels encompassing the building site are required to meet the minimum zoning requirements.

3. Whenever a Unity of Title is required by a provision within this Code or is specifically required by an ordinance or resolution passed and adopted by the Village Commission.

B. Submittal. A Unity of Title must be submitted to the planning and zoning department if the unification is required by the Unified Land Development Code.

C. Approval. The Unity of Title must be approved by the Village Attorney as to form and content if the unification is required by the Land Development Code. The Village Attorney may review and approve a Unity of Title when requested by a land owner provided the owner pays for cost recovery of such service.

D. Recording. Whenever a Unity of Title is required by this section, it must be recorded in the public records of Miami-Dade County prior to the issuance of any building permit for the properties required to be unified. The Unity of Title must run with the land and must be binding upon the property owner, his/her successors and assigns. The owner must pay the fee as required for recording a Unity of Title in the public records of Miami-Dade County.

E. Release. Any Unity of Title required by this section may not be released except upon approval by resolution passed and adopted by the Village Commission, after a public hearing, and executed by the Village Manager and the Village Clerk. The release of the Unity of Title is contingent upon a cessation of the conditions and/or criteria which originally required the execution of the subject Unity of Title.

F. At the discretion of the Planning and Zoning Official and the Village Attorney based on the ownership characteristics of a subject property, the Village may accept a Covenant in Lieu of Unity of Title in a form acceptable to the Village Attorney. In the event of multiple owners, the Covenant in Lieu of Unity of Title shall require an Easement and Operating Agreement among the parties that sets forth the following as applicable to the project:

1. Easements in the common area of each parcel for ingress to and egress from the other parcels;

2. Easements in the common area of each parcel for the passage and parking of vehicles;

3. Easements in the common area of each parcel for the passage and accommodation of pedestrians;

4. Easements for access roads across the common area of each parcel to public and private roadways;

5. Easements for the installation, use, operation, maintenance, repair, replacement, relocation or removal of utility facilities in appropriate areas in each such parcel;

6. Easements on each parcel for construction of buildings and improvements in favor of each other parcel;

7. Easements upon each parcel in favor of each adjoining parcel for the installation, use, maintenance, repair, replacement and removal of common construction improvements such as footing, supports and foundations;

8. Easements on each parcel for attachment of Buildings;

9. Easements on each parcel for Building overhangs and other overhangs and projections encroaching upon such parcel from adjoining parcel such as, by way of example, marquees, canopies, lights, lighting devices, awnings, wing walls and the like;

10. Appropriate reservation of rights to grant easements to utility companies;

11. Appropriate reservation of rights to road rights-of-way and curb cuts;

12. Easements in favor of each such parcel for pedestrian and vehicular traffic over dedicated private ring roads and access roads; and

13. Appropriate agreements between the owners of the several parcels as to the obligation to maintain and repair all private roadways, parking facilities, common areas and common facilities and the like.

DIVISION 2, CONSISTENCY AND CONCURRENCY DETERMINATIONS

§ 5.~~17~~19 – Consistency with North Bay Village Comprehensive Plan.

A. No development activity may be approved unless it is found that the development is consistent with the density and intensity requirements in the Village's *Comprehensive Plan*; meets the criteria contained in the Comprehensive Plan; and that those public services and facilities addressed in the Comprehensive Plan will be available at the prescribed levels of service (LOS) concurrent with the impact of the development on those services and facilities.

B. If a development proposal is found to meet all the requirements of the ULDC it shall be presumed to be consistent with the *Comprehensive Plan*. If a question of consistency is raised, the *Building Official* shall make a determination of consistency or inconsistency and support the determination with written findings.

§ 5.~~18~~20 – Level of service compliance requirements.

All applications for development orders shall be required to demonstrate that the proposed development does not degrade adopted levels of service in North Bay Village. A level of service assessment (e.g., documented through a Traffic Impact Study or other type of infrastructure analysis acceptable to the Planning and Zoning Official) demonstrating that the proposed development will not degrade the adopted level of service by meeting one of the following general ~~tests~~ criteria, shall accompany each request for development order or development permit approval:

A. Capacity exists at the time of application to meet the service needs of the proposed development based upon the scheduled completion and occupancy and based upon the standards described below.

B. Capacity does not exist at the time of application but shall exist at the time of completion and occupancy of the proposed development. Existence of capacity shall be ensured through ~~one of~~ the following:

1. For sewer, solid waste, drainage and potable water facilities, c~~C~~onstruction of necessary facilities is underway to provide additional capacity and is scheduled for completion by or before scheduled occupancy of the development~~.~~, or

~~2. C~~contracts are signed for construction to provide additional capacity on a schedule which provides capacity at the time of occupancy of the development.

2. For parks and recreation facilities, the facilities shall be in place no later than one (1) year after the issuance of the certificate of occupancy.

3. For transportation facilities, the facility must be in place under actual construction prior to the issuance of a certificate of occupancy.

§ 5.~~19~~21 – Determining existing capacity.

For the purposes of these regulations, the available capacity of a facility shall be determined by:

A. *Adding together*:

1. The total capacity of existing facilities operating at the required level of service; and

2. The total capacity of new facilities that will come available concurrent with the impact of the development. The capacity of new facilities ~~may~~ shall be counted only if one or more of the following is shown:

   a. Construction of the new facilities is under way at the time of application.

   b. The new facilities are the subject of a binding executed contract for the construction of the facilities or the provision of services at the time the development permit is issued.

   c. The new facilities have been included in the appropriate capital improvement program annual budget.

   d. The new facilities are guaranteed in an enforceable development agreement. An enforceable development agreement may include, but is not limited to, development agreements pursuant to *Section 163.3220*, Florida Statutes or an agreement or development order pursuant to *Chapter 380*, Florida Statutes.

B. *Subtracting from that number the sum of*:

1. The demand for the service created by existing development; and

2. The new demand for the service that will be created concurrent with the impacts of the proposed development by the anticipated completion of other presently approved developments.

§ 5.~~20~~22 - Burden of showing compliance.

The burden of showing compliance with level of service requirements shall be upon the developer. In order to be approvable, applications for development approval shall provide sufficient information showing compliance with these standards.

A. *Potable water.*

New development shall not be approved unless there is sufficient available capacity to sustain the following levels of service for potable water as established in the ~~p~~Potable ~~w~~Water sub-element of the North Bay Village *Comprehensive Plan*.

1. Minimum design flow: ~~120~~110 gpd per capita

2. Pressure: To meet Miami-Dade County fire flow ordinance

B. Wastewater.

New development shall not be approved unless there is sufficient available capacity to sustain the following levels of service for wastewater treatment as established in the Capital Improvements Element of the North Bay Village *Comprehensive Plan*:

1. Minimum design flow: 110 gpd per capita

C. *Transportation system.*

1. Level of service.

New development shall not be approved unless there is sufficient available capacity to sustain the following level of service for transportation systems as established in the Transportation Element of the North Bay Village *Comprehensive Plan*.

Type of Facility	Peak Hour Level of Service
~~Arterial roadways~~	~~D~~
Collector roadways	D
~~Limited access roadways~~	~~D~~
Local roadways	C

2. Determination of impact.

The projected level of service for ~~arterials and~~ collectors and local roads within the traffic shed shall be calculated based upon estimated trips to be generated by the project, or where applicable, the first phase of the project, and taking into consideration the impact of other approved but not completed developments within the projected area of impact. Information on committed development within the traffic shed shall be provided by the *Village* and/or county.

D. *Drainage system.*

No new development shall be approved unless there is sufficient available capacity to sustain a five-year frequency storm event including retention or detention with filtration of the first inch of runoff, as established in the D~~d~~rainage sub-element of the North Bay Village *Comprehensive Plan*.

E. *Solid waste*.
No new development shall be approved unless there is sufficient available capacity to sustain a level of service for solid waste of ~~seven (7~~ four (4)) pounds per capita per day as established in the S~~s~~olid W~~w~~aste sub-element of the North Bay Village *Comprehensive Plan*.

F. Parks.
No new development shall be approved unless there is sufficient available capacity to sustain a level of service of 1.5 acres of parkland per 1,000 population, as established in the Parks and Recreation element of the North Bay Village *Comprehensive Plan*.

G. Schools
New development shall demonstrate, through coordination with Miami-Dade County Public Schools, that there is sufficient available capacity in the school system to achieve the level of service standard established in the Public School Facilities element of the North Bay Village *Comprehensive Plan*.

DIVISION 3, SUBDIVISION REGULATIONS

§ 5.~~21~~23 –Purpose and intent.

The public health, safety, comfort, and welfare require the harmonious, orderly, and progressive development of land within the *Village*. To this end, all lands within the Village must be subdivided and platted before any development approval can be obtained.

§ 5.~~22~~24 –Preliminary and final plats.

A. *Purpose and intent.*
The purpose of requiring and regulating the platting of land within the Village is to ensure compliance with the procedural and substantive requirements of the North Bay Village *Comprehensive Plan*, the Miami-Dade County Subdivision Ordinance, *Chapter 28* of the Miami-Dade County Code of Ordinances, and the requirements of *Chapter 177*, Florida Statutes.

B. *Procedures.*

1. Preliminary conference. The subdivider or his engineer, or land surveyor, prior to the preparation of the tentative plat, may informally seek the advice of the *Planning and Zoning Official* or designee to become familiar with the subdivision requirements and other provisions of the Village Code applicable to the *District* in which the proposed subdivision is located.

2. ~~Fifteen copies of t~~The proposed tentative plat, prepared in accordance with requirements of ~~c~~Chapter 28, *Section 28-7* of the Miami-Dade County Code of Ordinances, as may be amended from time to time, and ~~prepared by a licensed surveyor~~ signed and sealed by a State of Florida registered, active Professional Surveyor and Mapper depicting the proposed Subdivision lay-out, application for tentative plat approval and accompanied by an opinion of title no older than thirty (30) days, a level of service assessment report, and a *Certified Survey* of the site not more than one (1) year old and including the legal

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

description of the property, all *Easements*, and *Rights-of-Way* shall be submitted to the ~~Building Official~~ *Planning and Zoning Official*.

3. The ~~Building Official~~ *Planning and Zoning Official* shall review the tentative plat as to its compliance with objectives of the Village's *Comprehensive Plan*, including level of service standards.
4. The ~~Building Official~~ *Planning and Zoning Official* shall place the tentative plat on the Planning and Zoning Board's agenda and submit ~~his~~ recommendations to the board.
5. The *Planning and Zoning Official* votes to approve or disapprove the tentative plat.
6. The *Village Manager* places the tentative plat on the agenda of the *Village Commission* and forwards a copy of the Planning and Zoning Board's recommendations and a copy of the ~~Building Official~~ *Planning and Zoning Official's* report.
7. The *Village Commission* votes to approve or disapprove the tentative plat. If approved, two copies are signed by the Mayor. One signed copy is returned to the surveyor or subdivider; one copy is filed in the *Public Works Department*.
8. The surveyor or subdivider delivers the signed tentative plat and ~~14~~ the required number of copies to Miami-Dade County ~~Subdivision Control~~ *Land Development Division* for processing.
9. Miami-Dade County shall notify the subdivider or surveyor and the *Village* of its action (approve, approve with conditions, or disapprove).
10. After the surveyor prepares the final plat in accordance with ~~chapter 20~~ *Chapter 28* and incorporates all conditions, if any~~, into the plat, he submits the final~~ the revised plat shall be submitted accompanied by a paving, grading, and drainage plan to the ~~Building Official~~ *Planning and Zoning Official* who then shall review it for consistency with the recommendations made by the *Village Commission* and Miami-Dade ~~Subdivision Control~~ County before placing it with an accompanying report and resolution on the Village Commission's agenda.
11. The *Village Commission* shall receive~~s~~ the final plat and ~~concurrency evaluation~~ level of service assessment report from the ~~Building Official~~ *Planning and Zoning Official* at its first public hearing to discuss the proposed plat.
12. The *Village Commission* shall hold~~s~~ the second public hearing approximately two weeks later and vote~~s~~ to approve or disapprove the final plat. If the ~~c~~Commission votes to approve the plat, the *Village Mayor* shall sign~~s~~ the plat as well as the Resolution accepting the (re)subdivision.
13. Recording of the final plat shall be performed by Miami-Dade County according to their procedures. Ensuring the final plat is recording shall be the responsibility of the subdivider.

CHAPTER 6, NONCONFORMITIES

§ 6.1 –Defined.

For purposes of this ~~c~~Chapter, a nonconforming lot, structure, use, or characteristic of use, is defined as a platted lot, structure, or use, or combination thereof that does not comply with the use or site development standards of the zoning district in which the lot, structure, use, or characteristic of use, or combination thereof is located, but which was legally established and in existence before the effective date of this ~~c~~Chapter.

§ 6.2. Purpose and intent.

A. It is the purpose and intent of this ~~c~~Chapter to permit the continuation of those *Lots*, *Structures*, *Uses*, characteristics of use or combination thereof, which were lawful prior to the passage of this ~~c~~Chapter or future amendment thereto.

B. This ~~c~~Chapter is designed to provide reasonable and equitable standards and guidelines for the control of nonconforming *Lots*, *Structures*, *Uses*, and characteristics of uses in the regulation of change of use, change in kind or quality of use, change in volume or intensity of use, change in location of use, change of ownership or tenancy of use, accessory or incidental uses to nonconforming lots, structures, uses, or characteristics of uses, enlargement of use, replacement of use, addition or expansion of facilities, new activities, products or services connected with the nonconforming lot, structure, repair of a nonconforming structure, restoration of a nonconforming structure, and abandonment or discontinuance of a nonconforming structure or use, or any combination thereof.

C. It is the further purpose and intent of this ~~c~~Chapter to allow lawful nonconforming lots, structures, uses, and characteristics of use and combinations thereof to continue, subject to specific conditions, in order to not interfere with the existing circumstances surrounding land development within North Bay Village, prior to the effective date of this chapter any more than is necessary for the proper exercise of police powers relating to the general public welfare of the residents of North Bay Village.

§ 6.3 – Nonconforming classifications.

A. Within the *Zoning Districts* established by this Code, or amendments that may be later adopted to this Code, there may exist:

1. Nonconforming lots
2. Nonconforming structures;
3. Nonconforming uses;
4. Nonconforming characteristics of use;
5. Combinations of nonconforming lots, nonconforming structures, nonconforming uses, and nonconforming characteristics of use.

B. These nonconforming classifications are declared by this ~~c~~Chapter to be incompatible with

present permitted uses and all or part of the site development standards regulating permitted uses in the district where the nonconforming classifications are located and, therefore, are the proper subject regulations as provided for herein.

§ 6.4 – Scope.

A. In order to avoid undue hardship, nothing in this ~~c~~Chapter shall be deemed to require any change in the plans, construction or designated use of any *Structure* on which actual construction was lawfully done prior to the effective date of adoption of this chapter and upon which actual building construction has been carried on diligently.

B. For the purposes of this ~~c~~Chapter, the term "actual construction" is hereby defined to include the placing of construction materials in permanent position and fastened in a permanent manner according to approved plans for the specific improvement. Where evacuation or demolition or removal of an existing *Structure* has been substantially begun, preparatory to building, such evacuation or demolition or removal shall be deemed to be actual construction; provided, however, that work has been and shall be carried on diligently pursuant to a valid building permit.

§ 6.5 – Nonconforming lots of record.

A. *Construction of one single-family dwelling unit.*
In any district in which *Single-Family Dwellings* are permitted, one (1) single-family dwelling and customary *Accessory Building(s)* may be erected on a single *Lot*, tract, or parcel of land of record that is nonconforming with respect to minimum *Lot Area* or frontage at the effective date of adoption of this ~~c~~Chapter, provided, however:

1. Such *Lots* must be in separate ownership and not be of continuous frontage with other lots in the same ownership. This provision shall apply even though such lot fails to meet the requirements for area or frontage that are applicable in the *Zoning District* in which the lot, parcel, or tract is located.

2. The construction otherwise conforms to all other applicable laws and ordinances including, but not limited to, required minimum *Setbacks*, minimum floor area, maximum building height and *FEMA* requirements, unless a variance is granted to such other regulations pursuant to *Chapter 7* of this Unified Land Development Code.

3. If two or more lots, or combination of lots, or portions of lots with continuous frontage and single ownership are of record at the time of the passage of this ~~c~~Chapter, and if all or part of the lots do not meet the requirements established for lot area~~s~~ or frontage, the lands involved shall be considered to be an undivided parcel and no portion of such parcel shall be used or sold in a manner which diminishes the degree of compliance with established lot area or frontage requirements

4. It shall be the burden of the property owner to demonstrate that the *Lot* is a legal nonconforming lot of record.

B. *Construction of other than one single-family dwelling unit.*

Notwithstanding limitations imposed by other provisions of this Unified Land Development Code, any lot of record which is nonconforming as to the required minimum frontage requirement the *Zoning District* in which it is located may be used as permitted by the district regulations of the zoning district in which the lot is located, provided:

1. The density or intensity of such use shall not exceed the maximum density or intensity allowable within the *Zoning District* in which the lot of record is located;
2. The construction otherwise conforms to all other applicable laws and ordinances including, but not limited to, required minimum setbacks, minimum pervious area, maximum building height, *FEMA* requirements, and concurrency requirements, unless a variance is granted to such other regulations pursuant to *Chapter 7* of this Unified Land Development Code.
3. It shall be the burden of the property owner to demonstrate that the lot is a legal nonconforming lot of record.

§ 6.6 – Nonconforming uses.

A. *Defined.*

A use of any *Land* or *Structure*, other than a *Sign*, is a *Nonconforming Use* if:

1. The use is not listed as a permitted use in the *Zoning District* in which it is located; or
2. The use is not a special use or use exception which was specifically approved by the *Village Commission*; or
3. The use exists at a density or intensity in excess of that allowable for the zoning district in which it is located.

B. *Continuation.*

The lawful use of land existing at the time of the passage of this ~~c~~Chapter or an amendment thereto, although such uses do not conform to provisions of the Unified Land Development Code may be continued subject to the following limitations and restrictions:

1. Change in location of use.
   A nonconforming use shall not be moved in whole or in part to any other portion of the *Lot* parcel occupied by such use at the effective date of adoption of this ~~c~~Chapter.
2. Change in ownership or tenancy.
   All rights and obligations associated with a *Nonconforming Use* of land run with the land and are not personal to the present owner or tenant of the nonconforming use of land and are not affected by a change in ownership or tenancy, except if abandoned.
3. Accessory uses.
   Uses Accessory to a nonconforming use not in existence at the time of the effective date of adoption of this ~~c~~Chapter are not permitted.
4. Change of use.
   a. A *Nonconforming Use* shall not be changed to another nonconforming use.

b. A nonconforming use may be changed to a permitted use for the *Zoning District* in which the property is located upon the obtainment of all necessary permits and approvals and may not thereafter be permitted to revert to a nonconforming use.

5. Expansion or extension of use.
No *Nonconforming Use* shall be enlarged, increased, expanded, or intensified beyond what existed at the time it became nonconforming. *Front Yard* areas may not be increased in paved areas

6. Replacement of use.
   a. *Destruction of more than fifty percent (50%).*
   In the event that any existing *Nonconforming Use* is destroyed by more than fifty percent (50%) of its assessed value at the time of destruction as determined by the official records of the *Miami-Dade County Property Appraiser* by any means, including fire, flood, wind, explosion, demolition, act of God, or act of a public enemy, such use shall not be replaced.

   b. Destruction of fifty percent (50%) or less.
      (1) If such nonconforming use is destroyed to a level of fifty percent (50%) or less of its total assessed value at the time of destruction as determined by the official records of the *Miami-Dade County Property Appraiser*, it may be replaced, except that replacement shall only occur in compliance with those building, plumbing, electrical, gas, fire, and other construction and safety related regulations in effect at the time of application for a permit to allow replacement.

      (2) In no event shall the destroyed nonconforming use be replaced such that the replacement structure is higher, contains greater lot coverage or floor area, has greater bulk, or lesser setbacks, than the original structure in which the nonconforming use was located.

7. Abandonment or discontinuance of use.
The abandonment or discontinuance of a nonconforming use for a period of 180 consecutive days or six (6) months shall render the nonconforming use status of the specific nonconforming use null and void. In the factual determination of whether a nonconforming use has been abandoned or discontinued, the following factors shall be used, but not be limited to:
   a. An intent to discontinue the nonconforming use through removal of stock in trade or removal of operating equipment.

   b. Some overt act or failure to act which carries with it a sufficient implication that the owner neither claims nor retains any interest in the use of the abandoned property as it stood before the abandonment occurred. The mere renewal and maintenance of an active occupational license, without further positive action, shall not constitute continuance of a nonconforming use.

   c. Inactive water, sewer, or electrical services at the existing facility.

d. Attempt to continue use shall include but not be limited to an active listing of the property with a realtor or through posting of a for rent sign.

§ 6.7 – Nonconforming structures.

A. Defined

For the purposes of this ~~c~~Chapter, a *Structure* or *Building*, other than a *Sign*, is a *Nonconforming Structure* if the *Structure*, or any physical characteristic thereof, is not in full compliance with all regulations of the *Zoning District* in which it is located.

B. *Continuation.*

Where a lawful *Structure* exists at the effective date of adoption or amendment of this ~~c~~Chapter, and it could not be built under the terms of the Unified Land Development Code by reason of restrictions on area, *Lot Coverage*, height, *Yards*, location of the lot, or other site development standards concerning the structure, such structure, except as otherwise specifically provided, may be continued so long as it remains otherwise lawful, subject to the following provisions:

1. Alteration, enlargement, or expansion of nonconforming structure.
   a. No such alteration, enlargement, or expansion of a nonconforming structure shall be permitted in a way which increases its noncompliance with present property development and use standards of the *Zoning District* in which it is located.
   b. Any nonconforming structure or portion thereof may be altered to decrease its noncompliance with present site development and use standards of the zoning district in which it is located. Nothing herein shall prohibit the *Village Manager*~~'s~~ or designee from ordering the compliance with all applicable building construction and safety related codes.
2. Replacement, restoration, and reconstruction of *Nonconforming Structures*.
   a. Destruction of more than fifty percent (50%).
      In the event any existing *Nonconforming Structure* is destroyed by more than fifty percent (50%) of its assessed value at the time of destruction as determined by the official records of the *Miami-Dade County Property Appraiser* by any means, including fire, flood, wind, explosion, demolition, act of God, or act of a public enemy, such *Structure* shall not be restored, reconstructed or replaced except in compliance with all applicable provisions of the Unified Land Development Code in effect at the time of its restoration, reconstruction or replacement.
   b. Destruction of fifty percent (50%) or less.
      In the event any existing nonconforming structure is destroyed by any means, including fire, flood, wind, explosion, act of God, or act of a public enemy by fifty percent (50%) or less of its total appraised value according to the latest records of the *Miami-Dade County Property Appraiser*, such structure shall be permitted to be replaced, restored, or reconstructed according to the site development standards in effect at the time of its original construction except that:
      (1) Replacement, restoration, and reconstruction shall occur only in compliance with all other applicable building, plumbing, electrical, gas, fire and other construction

and safety related regulations in effect at the time of application for permit to allow replacement, restoration, or reconstruction, and

(2) In no event shall the replacement structure have a greater density or intensity, height, or floor area; or, lesser minimum dwelling unit sizes, yard setback, or pervious area than the destroyed nonconforming structure.

c. *Repairs and maintenance of nonconforming structures.*
Routine repairs and maintenance of nonconforming structures on fixtures, wiring or plumbing or on the repair or replacement of walls shall be permitted.

d. Change in location of nonconforming structure.
Should any nonconforming structure be moved for any reason to any distance whatever from its original permitted location, it shall then conform to the regulations for the *Zoning District* in which it is located after it is moved.

e. Accessory structure.
Structures normally accessory or incidental to a permitted *Structure* or use in the *Zoning District* in which the *Nonconforming Structure* is located may be permitted as accessory structures to the nonconforming structure.

f. Abandonment or discontinuance of nonconforming structure.
The abandonment or discontinuance of a nonconforming structure for a period of 180 consecutive days or six (6) months shall render the nonconforming status of the specific nonconforming structure null and void. In the factual determination of whether a nonconforming structure has been abandoned or discontinued, the following factors shall be considered:

(1) An intent to discontinue the nonconforming structure through removal of stock in trade or removal of operating equipment.

(2) Some overt act or failure to act which carries with it a sufficient implication that the owner neither claims nor retains any interest in the use of the abandoned structure as it stood before the abandonment occurred.

(3) Inactive water, sewer, or electrical services at the existing structure.

(4) Attempt to continue use shall include but not be limited to an active listing of the property with a realtor or through posting of a for rent sign.

(5) Any other observation, action, or inaction of the property owner or occupant that reasonably indicates abandonment or discontinuance.

§ 6.8 – Nonconforming characteristics of use.

A. *Defined.*
For the purposes of this ~~c~~Chapter, characteristics of use are defined as requirements for *Off-Street Parking*, *Off–Street Loading*, and landscaping and buffering.

B. *Continuation.*

Where a characteristic of use lawfully exists at the effective date of adoption or amendment of this ~~c~~Chapter, and does not conform to the requirements of the Unified Land Development Code such nonconforming characteristic of use may be continued so long as it remains otherwise lawful, provided that, when a use or structure is modified in such a way that the use or structure requires a greater amount of parking, landscaping, or buffering than exists prior to the change, the characteristic(s) of use must be brought into conformance with the requirements associated with the changed use or *Structure*.

1. Within the *T6-24* and *T6-30* transect zones, the restoration or rehabilitation of an existing *Building* does not require the provision of parking in addition to the existing, if less than six (6) new spaces are required.

§ 6.9 – Nonconforming lots, uses, structures, and characteristics of use in combination.

If on the effective date of this ~~c~~Chapter, a lot of record, structure, use or characteristic~~s~~ of use, in any combination thereof, exists that would not be permitted under the terms of this ~~c~~Chapter, but was lawful at the time of its original existence, that use may be continued unless otherwise deemed abandoned or terminated or required to be eliminated or brought into conformance by other applicable provisions of this ~~c~~Chapter. *Sections 6.5* through *6.9* shall apply to all *Nonconforming Lots* or record, *Structures*, *Uses* and characteristics of use, and any combination thereof.

CHAPTER 7, VARIANCES

§ 7.1 – Purpose and intent.

The purpose and intent of this ~~c~~Chapter is to provide flexibility in the administration of the Unified Land Development Code when the strict enforcement of the provisions of the Unified Land Development Code would result in an unnecessary hardship.

§ 7.2 – Variance prohibited.

Under no circumstances shall the *Village Commission* grant a *Variance* to:

A. Permit a use not generally permitted, or permitted by special exception or use exception, in the district involved, or any use expressly or by implication prohibited by the terms of the Unified Land Development Code in that district~~.~~; or

B. Any condition, criteria or site development standard ~~set forth in § 8.10.D.4, pertaining to special exceptions in the high-density multiple family residential district, or any condition~~ associated with the approval by the *Village Commission* of any unusual or new use, special exception, or use exception.

§ 7.3 – Procedure for consideration of a hardship variance.

A. *Planning and Zoning Board public hearing.*
The *Planning and Zoning Board* shall hold a public hearing to consider a request for a hardship variance and shall recommend to the *Village Commission*, approval, approval with conditions, or denial of the variance.

B. *Village Commission public hearing.*
The *Village Commission* shall have the power, after a public hearing, to vary or adopt the strict application of the requirements of this ~~c~~Chapter, and to prescribe appropriate conditions and safeguards associated with the granting of a variance

C. *Required findings.*
In order for the *Planning and Zoning Board* to recommend approval, and for the *Village Commission* to grant approval, of a variance request, both must make an affirmative finding with respect to all seven (7) of the following criteria:

1. That there are special circumstances and conditions which are peculiar to the *Land*, *Structure*, or *Building* involved and which are not generally applicable to other lands, structures, or buildings in the same *Zoning District*.

2. That the special circumstances and conditions were not self-created by any person having an interest in the property.

3. That the strict application of the provisions of this ~~c~~Chapter would deprive the applicant of the reasonable use of the land, structure, or building for which the variance is sought; and would involve an unnecessary hardship for the applicant.

4. That granting the variance requested will not confer on the applicant any special

privilege that is denied by the Unified Land Development Code to other land, structures, or buildings in the same *Zoning District*.

5. That the variance granted is the minimum variance that will make possible the reasonable use of the land, structure, or building.

6. That granting the variance will be in harmony with the general intent and purpose of this ~~c~~Chapter, and that such variance will not be injurious to the neighborhood or otherwise detrimental to the public welfare.

7. The variance request is not based exclusively upon a desire to reduce the cost of development.

D. The required findings may be made by one (1) motion addressed to all seven (7) findings or, at the request of any member of the Board or Commission as the case may be, a finding or findings shall be considered separately.

E. The findings shall be made prior to the vote on the application.

F. The variance application shall be considered as a whole unless any member of the *Planning and Zoning Board*, or *Village Commission*, as the case may be, shall request that the application be considered in parts, in which event the application shall be considered in such parts as requested.

G. In light of the particular circumstances involved with each separate variance request, the grant of any variance shall not constitute or be deemed a precedent for the grant of any other variance.

§ 7.4 –Expiration of hardship variance.

After the *Village Commission* has granted a hardship variance, the variance so approved or granted shall expire after two years, measured from the date of final Commission action, if no substantial construction or change of use has taken place in accordance with the plans for which the variance was granted.

§ 7.5 –Reapplication for a hardship variance.

No application for a hardship variance shall be filed less than one year after the date of disapproval by the *Village Commission* of an application for a variance involving the same land or any portion thereof.

§ 7.6 Administrative adjustments ~~for Single-Family Properties~~

A. *Purpose and intent*

The purpose of this Section is to provide a streamlined, administrative procedure ~~for single-family residential~~ properties~~y~~ to obtain minor modifications of certain standards prescribed in the Unified Land Development Code, which may be granted in accordance with the requirements of this Section.

B. *Authorized administrative adjustments*

Notwithstanding any other provisions of this Code to the contrary, administrative adjustment requests for the following modifications may be approved, approved with conditions, or denied by administrative decision of the Village *Planning and Zoning Official*:

1. For single-family residential properties.

   (a) A reduction in the setback of permitted *Principal* and *Accessory Structures*, except balconies, of no more than twenty percent (20%) of that required by the underlying district for a maximum of two sides of the *Principal Building* or *Accessory Structures*.

   ~~2~~(b) A reduction in the setback of swimming pools of no more than twenty-five percent (25%) of that required by *subsection 8.17.M.*, provided that in no event shall the spacing between the swimming pool and a *Principal Structure* be less than 3.75 feet.

   ~~3~~(c) An increase in the *Lot Coverage* of no more than five percent (5%) of that permitted by the underlying district.

   4(d) An increase in the height of *Fences*, *Walls* or hedges permitted within required yards, with the exception of the *Front Yard*, not to exceed twenty-five percent (25%) above the maximum height permitted in *subsections 8.17.F.2.d.,* and *8.17.F.2.e*., and provided the increased height does not create a visual or functional obstruction to pedestrian or vehicular traffic.

2. For multifamily and mixed-use properties, when not involving a site plan approval.

   (a) A reduction in the setback of permitted *Accessory Structures* of no more than twenty percent (20%) of that required by the underlying district.

   (b) A change that increases the permitted *Lot Coverage* by no more than two and a half (2.5%) of that permitted by the underlying district, provided that the pervious area on the lot remains the same.

   (c) An increase in the height of *Fences*, *Walls* or hedges permitted within required yards, with the exception of the *Front Yard*, not to exceed twenty-five percent (25%) above the maximum height permitted in *subsections 8.17.F.2.d.,* and *8.17.F.2.e*., and provided the increased height does not create a visual or functional obstruction to pedestrian or vehicular traffic.

   (d) A decrease of up to fifteen percent (15%) of minimum required landscaping, provided that the pervious area on the lot remains the same.

C. *Limitations and Exclusions*

This *Section 7.6* shall be limited to the specific administrative adjustments listed in subsection (B) and shall not authorize modification of any other standard or be combined with a previously approved administrative adjustment or variance. Nothing herein shall be interpreted to authorize creation of a nonconformity with the regulations and/or additional noncompliance with the North Bay Village ULDC, or an inconsistency with the North Bay Village *Comprehensive Plan*.

D. *Administrative Adjustment Approval Procedure*

1. Complete applications for an administrative adjustment shall be made by the owner of the property and submitted to the *Planning and Zoning Official* or a designee in an application form provided by the *Village* and shall be accompanied by the required filing *Fee.* For the purposes of this section, the term "owner" shall mean the person who owns and resides at, or owns and intends to reside at, the subject premises, or their representative.

2. To be deemed complete, an application shall include:
   a. A *Certified Land Survey* dated within two (2) years of the filing date of the administrative adjustment application, reflecting all current conditions.
   b. Accurately dimensioned plans showing the location and spacing distance of the proposed construction in relation to property lines and existing *Structure(s),* the general location and use of existing structures on property adjacent to the subject property; and the adjustment being requested clearly shown, (i.e., required versus proposed structure or swimming pool setbacks; required versus proposed lot coverage; or required versus proposed fence, wall, or hedge height, as may apply).
   c. Additional plans as may be required by the *Planning and Zoning Official*.
   d. Photos of all buildings and structures on the property concerned.
   e. A letter of intent explaining the nature of the request, justification for the proposed adjustment, evidence that the request complies with subsections D.3. and D.4. of this section, and other pertinent information. Insufficient justification may result in denial of the application.
   f. Proof of written notice of the request for administrative adjustment provided to neighboring property owners pursuant to subsection E. below.
   g. Filing fees and cost recovery deposit (Refer to the most current North Bay Village *Fee Schedule*).

3. Upon review of all the necessary information, the Village *Planning and Zoning Official* shall render a decision. The Planning and Zoning Official is authorized to consider approval of an administrative adjustment request where the applicant has demonstrated compliance with at least one of the following provisions:
   a. An increase in lot coverage and/or reduction of any required setback shall be mitigated through the use of permeable surfaces or by adding *Green Infrastructure* (e.g., bioswales, rain gardens, cisterns, filtration media, etc.) to reduce runoff by a volume equal to what would be displaced by the additional percentage of lot coverage or reduce *Setback*.
   b. The applicant shall mitigate the impact through the addition of a vegetative buffer along the *Property Line*, with planting materials places and arranged to shield the adjacent property. The width of the vegetative screen shall be sufficient to provide

adequate privacy to the neighboring property but in no event shall be less than two (2) feet wide.

4. In addition, the applicant shall show that the request meets at least five (5) of the following criteria:
   a. There exists a practical difficulty or injustice because of the size of the tract, parcel or lot, the topography, the condition or nature of adjoining areas, or the existence of other unusual physical conditions.
   b. The administrative adjustment is not contrary to the public interest or inconsistent with the Village's *Comprehensive Plan*.
   c. With the adjustment, the essential character of the neighborhood would be preserved.
   d. The adjustment would not cause substantial detriment to adjoining properties.
   e. The predicament of the applicant is due to unique circumstances of the property, which would render conformity with the strict requirements of this Section unnecessarily burdensome.
   f. The special conditions and circumstances which exist are the result of actions beyond the control of the applicant, and do not result from the actions of the applicant.
   g. The property owner shall certify in writing that any and all *Easement* areas as shown on the *Property Survey* or recorded *Plat* remain unencumbered by the encroaching construction, unless a release of interest by the easement holder(s) is obtained and submitted prior to permit issuance.

E. *Notice*

As part of an application for administrative adjustment, notice shall be provided to all adjacent property owners including those located across the street(s) from the subject site, to the rear, and on diagonals, on a form approved by the Village *Planning and Zoning Official.* The notice shall:

1. Accurately describe the adjustment requested and the reason for the request.
2. Be sent via first class mail, return receipt requested, to the adjacent property owners of record, as reflected on the Miami-Dade County Property Appraiser's tax roll, as updated.

The applicant shall present proof that a notice meeting the above-listed requirements has been sent, including all return receipts and responses, if any, to the *Planning and Zoning Official*. A US Postal Service return of the notice as undeliverable shall be considered acceptable proof.

A notice shall not be required when a public right-of-way measures 60 feet or greater or a body of water completely separates the subject parcel from another parcel.

F. *Conditions and safeguard*

In approving an administrative adjustment application, the *Planning and Zoning Official* may require conditions and safeguards deemed necessary to protect the interests served by the underlying *zoning district* regulations, including, but not limited to landscape materials, *Walls*, or *Fences* as required buffering; modification of the orientation or deletion of any openings; modification of the site arrangements; and modification of plans.

G. *Inspection*

Upon receipt of the application for an administrative adjustment, the *Planning and Zoning Official* may inspect the site of the subject property and the surrounding properties to determine what impact, if any, the proposed administrative adjustment will have on the adjoining lots.

H. *Decision, effective date, and permit issuance*

Notice of the *Planning and Zoning Official's* decision will be posted on the property for fifteen (15) days and notices on the *Village website*. Posting of the property and notice on the Village website shall be considered a complementary service to the public and shall in no way compromise the decision.

Except as hereinafter provided, no building permit shall be issued in reliance on an administrative adjustment until after it becomes effective. An administrative adjustment shall not become effective until it has been determined that no timely appeal of the decision as provided in subsection (i) of this section has been filed, or, if an appeal is filed timely as provided in subsection (i), until final disposition of the appeal, including judicial review. In the event it should be determined that the prohibition of issuing a building permit could cause imminent peril to life or property, a building permit may be issued upon such conditions and limitations, including the furnishing of an appropriate bond, as may be deemed proper under the circumstances.

I. *Appeals of decision*

The applicant or any aggrieved property owner may appeal the *Planning and Zoning Official's* decision to the *Village Commission* within fifteen (15) days from the date the decision is posted on the property as set forth in subsection (h). For the purpose of this subsection, an aggrieved property owner shall be limited to a party that was entitled to ~~received~~ notice of the application under subsection (e). All appeals hereunder shall be in a form prescribed by the *Village* and shall include a processing fee which shall be set and amended from time to time by resolution of the Village Commission. A request for judicial review of a decision of the Village Commission shall be made in a court of competent jurisdiction.

J. Expiration

After an approved administrative adjustment has become effective, the adjustment so approved shall expire after two years, measured from the date of the *Planning and Zoning Official*'s decision, if no substantial construction has taken place in accordance with he plans for which the administrative adjustment was granted.

CHAPTER 8, ZONING

DIVISION 1, ZONING DISTRICTS ESTABLISHED; ZONING MAP

§ 8.1 –Title.

This ~~c~~Chapter shall be known as the "Zoning Regulations for North Bay Village, Florida; ~~2017~~ 2024 Revision."

§ 8.2 – Purpose and intent.

The purpose of this ~~c~~Chapter is to encourage and promote, in accordance with present and future needs, the safety, morals, health, order, conveniences, prosperity and general welfare of the citizens of the *Village*, and to provide for efficiency and economy in the process of development, for the appropriate and best use of land, for preservation, protection, development and conservation of the natural resources of land, water and air, for convenience of traffic and circulation of people and goods, for the use and occupancy of *Buildings*, for healthful and convenient distribution of population, for adequate public utilities and facilities, for promotion and the civic amenities of beauty and visual interest, for promotion of large-scale developments as a means of achieving unified civic design, and for development in accord with the Village's adopted *Comprehensive Plan*, by establishing *Zoning Districts* and by regulating the location and use of buildings, *Signs* and other *Structures*, and land and water for trade and residence by regulating and limiting or determining the height, bulk and access to light and air of buildings and structures, the area of *Yards* and other *Open Spaces*, and the density of use. To accomplish this intent, the regulations and districts and have been designed with reasonable consideration, among other things, to the character of the districts and their suitability for particular *Uses*.

§ 8.3 – Establishment of zoning districts.

In order to regulate and restrict the location of commercial, public and semi-public uses, and residences, and the location of buildings erected or altered for specific uses, to regulate or limit population density and the intensity of the use of lot areas, and to regulate and determine the areas of yards, courts, and other open spaces within and surrounding such buildings, the following zoning districts are hereby established:

A. Single-Family Residential Districts.
   1. RS-1 Low Density Single-Family Residential District (See *Section 8.10.A*).
   2. RS-2 Medium Density Single-Family Residential District (See *Section 8.10.B*)

B. Multiple Family Residential Districts.
   1. RM-40 Medium Density Multiple Family Residential District (See *Section 8.10.C*).
   2. RM-70 High Density Multiple Family Residential District (See *Section 8.10.D*).

C. CG General Commercial District (See *Section 8.10.E*).

D. Urban Core Zone (Kennedy Causeway) T6 (See *Chapter 15)*

1. T6-24 ~~(See Chapter 15)~~

2. T6-24 Municipal Use (MU)

3. T6-30

~~E. Urban Core Zone (Kennedy Causeway) T6-30 (See Chapter 15)~~

E. Public Buildings and Grounds.

1. Government Facilities

2. Public Schools

2. Parks and Recreation

§ 8.4 – Reference to district names.

For the purpose of reference hereafter in these regulations, unless specifically provided to the contrary, the term *Residential* shall include both single-family and multi-family districts.

§ 8.5 – Identification of district maps.

Such land and the *Zoning District* classification thereof shall be shown on a map designated as the *Zoning District Map* of the Village, dated and certified by the *Village* upon adoption. This Zoning District Map and all notations, dimensions, references, and symbols shown thereon pertaining to such districts, shall be as much a part of these regulations as if fully described herein, and shall be filed as part of these regulations. The map and any later alterations shall be available for public inspection in the offices of the *Village Manager* or ~~his~~ designee. These regulations shall be similarly dated, filed, and made available for public reference.

§ 8.6 – Publication of district maps.

A. The *Village Manager* or ~~his~~ a designee shall cause to be published, or prints made available, no later than March 31 of the year following adoption of these regulations, the *Official Zoning District Map*, clearly showing the *Zoning District Boundaries* and zoning district names and designations for the incorporated area of the *Village*. In each calendar year thereafter, if there have been any changes in the zoning district boundaries or in reorganization of districts and district classifications in the preceding year, such amended map shall be published no later than March 31, and shall reflect all changes as of December 31 of the preceding year.

B. Any person desiring a copy of the Official Zoning District Map shall pay a *Fee* for each copy, as set by ordinance.

§ 8.7 – Interpretation of district boundaries.

A. *Map symbols.* A district name or letter-number combination shown on the *Zoning District Map* indicates that the regulations pertaining to the district designated by that name or letter-number combination extend throughout the whole incorporated area of the *Village*, bounded by the district boundary lines within which the name or letter-number combination is shown or indicated, except as otherwise provided by this ~~s~~Section.

B. *Interpretation.* Where uncertainty exists with respect to the boundaries of the various districts as shown on the map accompanying and made a part of these regulations, the following rules shall apply:

1. In cases where a boundary line is given a position within a *Street*, *Alley*, or *Easement*, it shall be deemed to be in the center of the *Right-of-Way* of the *Street*, *Alley*, or *Easement*. If the actual location of the street, alley, or easement varies slightly from the location as shown on the *Zoning District Map*, then the actual location shall control.

2. In cases where a boundary line is shown as being located a specific distance from a *Street Line* or other physical feature, this distance shall control.

3. Where the *District Boundaries* are not otherwise indicated and where the property has been or may hereafter be divided into blocks and lots, the district boundaries shall be construed to be the *Lot Lines*, and where bounded approximately by lot lines, said lines shall be construed to be the boundary of such districts unless the boundaries are otherwise indicated on the map or by ordinance.

4. In un-subdivided property, unless otherwise indicated, the district boundary line shall be determined by the use of the scale contained on the *Zoning District Map*.

5. All water areas within the zoning jurisdiction are considered to be within a zoning district and controlled by applicable district regulations. *District Boundaries* over water areas are located by noted or scaled dimensions, by relation to physical features, by coincidence with *Village* limit lines, or by a straight-line projection of the centerlines of streets as indicated on the Zoning District Map. Straight line district boundaries over water areas shall be assumed to continue as straight lines until they intersect with each other, with Village limit lines or county limit lines.

§ 8.8 – New land area.

Any land hereafter created within or annexed to the corporate area of the *Village* shall take the classification of "RS-1" - Low Density Single-Family Residential, unless the appropriate classification is otherwise determined by a zoning map amendment put forth upon annexation based on the Village's closest zoning classification, or on the land use designation closest to the Village's Comprehensive Plan. This shall include the extension of existing bulkhead lines or the creation of islands not contiguous to existing islands.

DIVISION 2, APPLICATION OF DISTRICT REGULATIONS

§ 8.9 – General regulations.

A. *Compliance with regulations.*

1. No land or water area may be used except for a purpose permitted in the district in which it is located.

2. No *Building* shall be erected, converted, enlarged, reconstructed, moved, or structurally altered, nor shall any building or part thereof be used except for a use permitted in the *District* in which the building is located.

3. No building shall be erected, converted, enlarged, reconstructed, moved, or structurally altered to exceed the height limit herein established for the district in which the building is located.

4. No building shall be erected, converted, enlarged, reconstructed, moved, or structurally altered except in conformity with the area regulations of the district in which the building is located.

5. No building shall be erected, converted, enlarged, reconstructed, moved, or structurally altered except in conformity with the off-street parking and loading regulations of the district in which the building is located.

6. No building shall be erected, converted, enlarged, reconstructed, moved, or structurally altered except in conformity with the floor area, floor area ratio, or open space ratio regulations of the district in which it is located.

B. *Encroachment reduction of lot area.*

The minimum *Yards*, parking space, and *Open Spaces*, including lot area per family, required by these regulations for each and every building existing at the time of the passage of these regulations or for any building hereafter erected, shall not be encroached upon or considered as required yard or open space for any other building, except as hereinafter provided, nor shall any lot area be reduced below the requirements of these regulations.

C. *Accessory buildings; prior construction.*

No *Accessory Building*, *Structure*, or dock shall be constructed upon a *Lot* until the construction of the main use building has actually commenced. No accessory building shall be used unless the main use building on the lot is also being used.

D. *Location on a lot required.*

Every *Building* or *Structure* hereafter erected, moved, or structurally altered shall be located on a lot as herein defined, and except as hereinafter provided, in no case shall there be more than one principal building on one lot.

§ 8.10 – District regulations.

A. *RS-1 Low Density Single-Family Residential District.*

1. Purpose and intent.

The purpose of this *District* is to provide for low-density single-family residential development in a spacious setting, together with other principal uses as may be approved as use exceptions and such accessory uses as may be necessary and compatible.

2. Uses permitted.

a. *Single-Family Residential Dwellings*.

b. ~~including d~~Duly licensed ~~Home Occupation~~*Home-based Businesses* pursuant to Section 559.955, Florida Statutes.

c. *Accessory Uses* and *Structures* per *Section 8.16.A*.

3. Use exceptions as may be approved under Section 8.11.

4. Prohibited uses.

a. All other uses not specifically or provisionally permitted herein.

5. Site development standards.

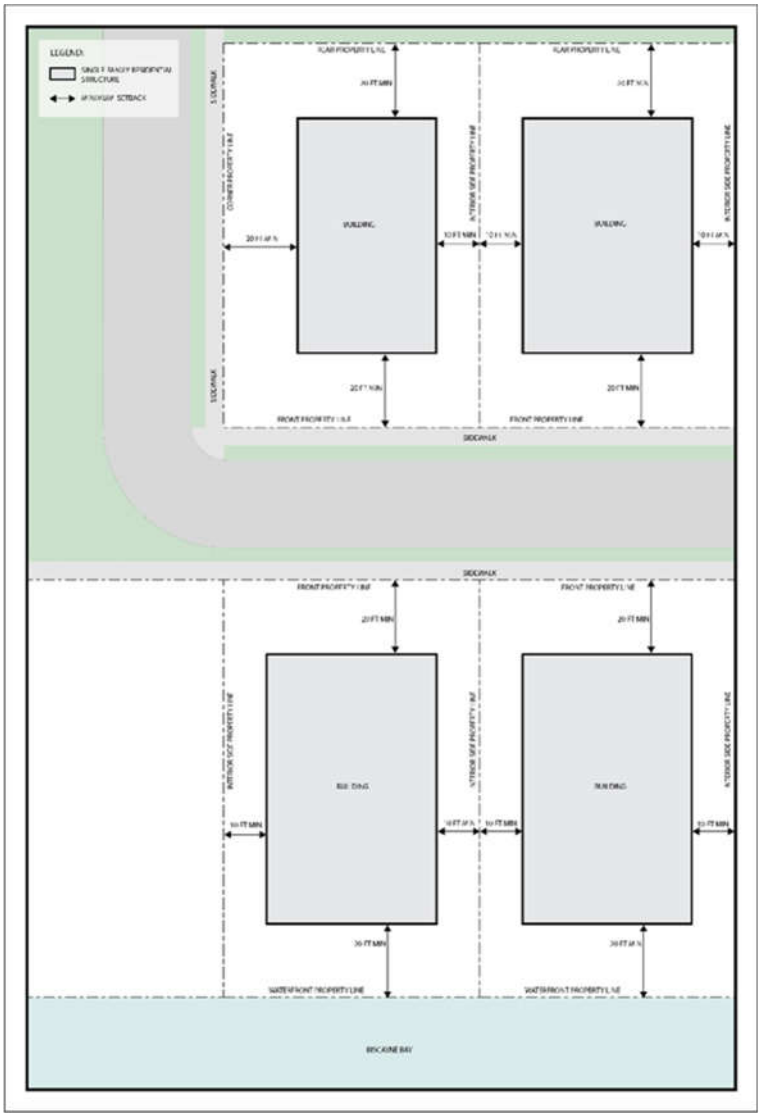
a. Minimum lot size:

(1) Area—7,000 square feet

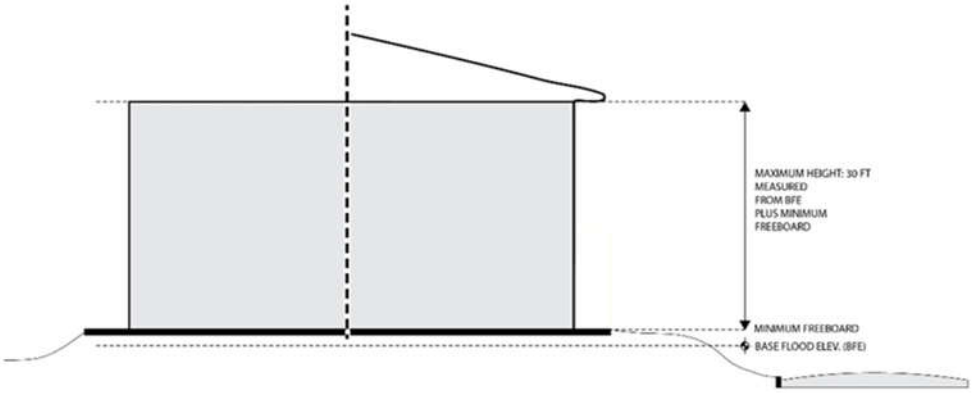
(2) Frontage—70 feet

b. Minimum yard setbacks:

Setback	**Distance (Feet)**
Front	20
Side (corner)	20
Side (interior)	10
Rear	20
Waterfront	20



c. Maximum building height:
Maximum building height shall not to exceed 30 feet above *Base Flood Elevation (BFE)* plus minimum freeboard. Where a *Structure* is elevated pursuant to *subsection 10.5.B.*, the ground level below the first elevated floor shall be designed in accordance with the requirements of *subsection 8.10.A.5.f.*

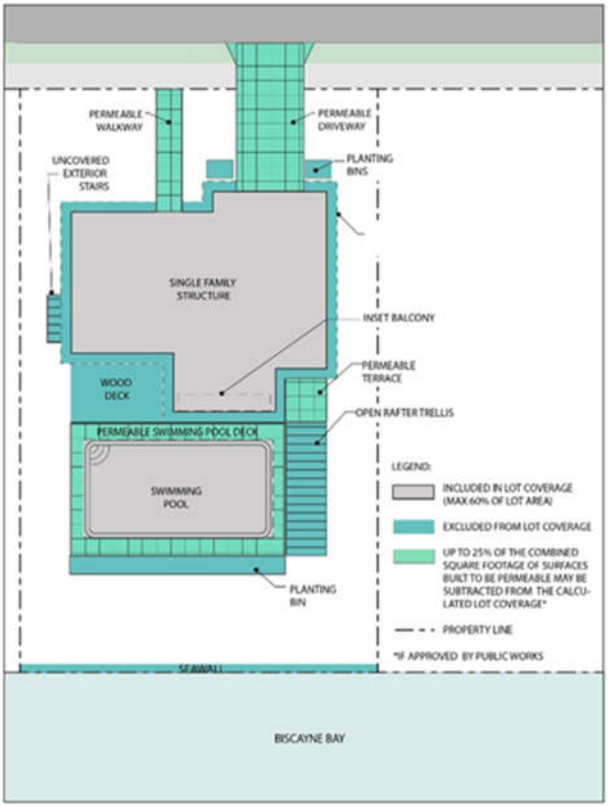


d. Minimum *Floor Area*:

(1) One story—2,000 square feet

(2) Two story—2,600 square feet

e. *Lot Coverage*:



(1) Maximum lot coverage – 60% of the total Lot Area.

(2) *Pervious Areas*: Up to 25% of the combined square footage of all parking areas, driveways, walkways, patios and terraces built with permeable materials may be subtracted from the maximum calculated impervious coverage on a lot, if

approved by the *Director of Public Works* (or ~~his or her~~ designee), based on the porosity of the material used, and the amount (percent) of annual rainfall that will pass through the material.

(3) *Green Space*: A minimum of twenty percent (20%) of the total *Lot Area* shall be maintained as unobstructed Green Space, and shall be landscaped~~, including a~~. No less than forty percent (40%) of the space in the *Front Yard* area shall be unobstructed, landscaped Green Space. For maximum vehicular and impervious area allowed in the Front Yard of single-family residential properties, refer to Sec. 9.3.E.2.c. ~~The area of landscape strips in driveways or walkways shall count toward the Green Space requirement.~~

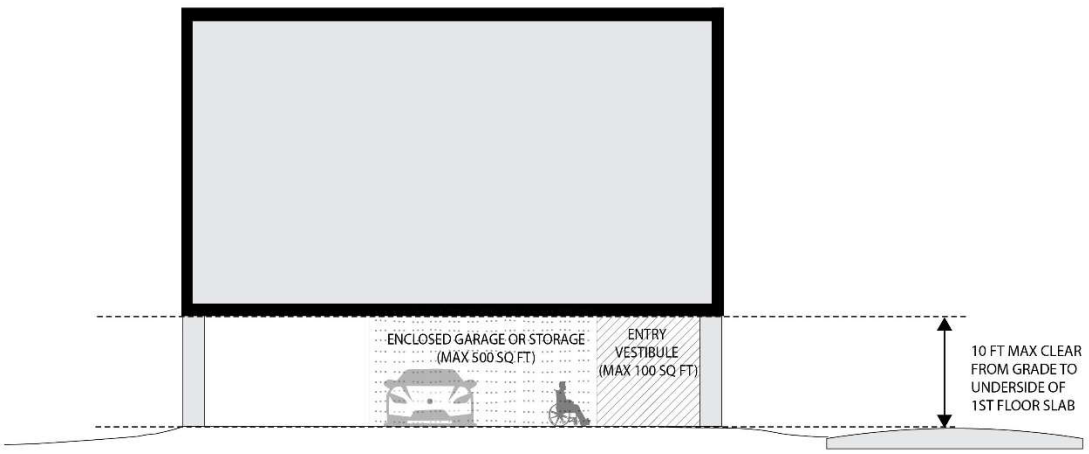
f. The clearance of an *Understory* created by elevating a single-family residential building in accordance with *subsection 10.5.B*. shall not exceed ten (10) feet, measured from *Grade* to the underside of the first-floor slab. Only the following *Accessory Uses* shall be allowed in the Understory space:

(1) Unenclosed parking.

(2) Vestibule to the living area by means of a stairway or elevator, not to exceed 100 square feet in area. No other habitable space is permitted.

(3) Enclosed garage or storage space not to exceed 500 square feet, provided that the walls are designed so as not to impede the flow of water and the space is unfinished and unpartitioned.

(4) The perimeter of an understory space may be visually screened with landscape material selected, installed, and maintained in accordance with the landscaping standards of Division 4, Landscaping, of this ULDC, and Chapter 18A of the Miami-Dade County Landscaping Code.



B. *RS-2 Medium Density Single-Family Residential District*.

1. Purpose and intent.

The purpose of this District is to provide for medium-density single-family residential devel-

opment in a relatively spacious setting, together with other principal uses as may be approved as use exceptions and such accessory uses as may be necessary and compatible.

1. Uses permitted.
   a. *Single-Family Residential Dwellings*.
   b. ~~including d~~Duly licensed ~~Home Occupation~~*Home-based Businesses* pursuant to Section 559.955, Florida Statutes.
   c. *Accessory Uses* and *Structures* per *Section 8.16.A*.
2. Use exceptions as may be approved under *Section 8.11.*
3. Prohibited uses.
   a. All other uses not specifically or provisionally permitted herein.
4. Site development standards.
   a. Minimum lot size:
      (1) Area—6,000 square feet
      (2) Frontage—60 feet
   b. Minimum yard setbacks:

Setback	Distance (Feet)
Front	20
Side (corner)	15
Side (interior)	7½
Rear	15
Waterfront	25

   c. Maximum building height:
      (1) Three stories, not to exceed 35 feet above grade.
   d. Minimum floor area:
      (1) One story—1,500 square feet
      (2) Two story—2,000 square feet

C. *RM-40 Medium Density Multiple Family Residential District*.

1. Purpose and intent.

The purpose of this District is to provide for medium density multi-family residential development, together with other principal uses as may be approved as use exceptions and such accessory uses as may be necessary and compatible. This district is intended to be utilized as a transitional buffer between single-family residences and high-density

apartments or commercial uses.

2. Uses permitted.
   a. *Multi-Family Residential Dwellings*.
   b. Management offices within *Structures* containing eight or more *Dwelling Units*.
   c. Duly licensed ~~Home Occupation~~Home-based Businesses pursuant to Section 559.955, Florida Statutes.
   d. Accessory uses and structures per *Section 8.16.A*.
3. Prohibited uses.
   a. All other uses not specifically or provisionally permitted herein.
4. Site development standards.
   a. Minimum lot size.
      (1) Area—10,000 square feet
      (2) Frontage—100 feet
   b. Minimum yard setbacks.

Setback	Distance (Feet)
Front	25
Side (corner)	25
Side (interior)	20
Rear	15
Waterfront	25
Adjacent single-family structure	100

   c. Maximum density.
   Forty (40) efficiency or one-bedroom *Dwelling Units* per ~~net~~ acre of net lot area. The following required amount of lot area per unit shall determine the number of other dwelling unit types permitted.

Unit Type	Required Lot Area (Sq Ft / Unit)	Density (Units/Acre)
Efficiency	1,085	40.1
One-bedroom	1,085	40.1
Two-bedroom	1,200	36.3
Three-bedroom or larger	1,320	33.0

d. Maximum building height.
(1) 45 feet or four (4) stories, whichever is less.

e. Exclusion of grade level parking from height limitation.
(1) A grade level of parking, not exceeding ten (10) feet in height, shall not be included in this height limitation.

(2) The grade level parking floor may include other nonresidential uses, including laundry rooms, recreational rooms, storage rooms, and an office for building management.

f. Minimum pervious area:
Twenty-five percent ~~25~~ percent (25%) of the total lot area shall be retained as pervious area and shall be landscaped and maintained.

g. Minimum floor area.

Unit Type	Floor Area (Sq. Ft.)
Efficiency	400
One-bedroom	750
Two-bedroom	1,000
Three-bedroom or larger	1,150

5. Single-family homes approved under the provisions of *Section 8.11* consistent with the setback provisions of the RS-1 (Low Density Single-Family Residential District).

6. Use exceptions as may be approved under *Section 8.11*.

D. *RM-70 High Density Multiple Family Residential District*.
1. Purpose and intent.
The purpose of this district is to promote the efficient use of land and to encourage development of attractive, pedestrian-friendly, sustainable, and resilient high-density multifamily residential areas. This zoning provides designated areas for high-density multi-family residential *Structures,* together with other *Principal Uses* as may be approved as Use exceptions and permitted *Accessory Uses* pursuant to *Section 8.16.A.,* as may be necessary and complementary to, as well as compatible with a permitted *Use*.

2. Use permitted.
a. *Multi-Family Residential Dwellings,* along with property-specific *Amenities*.

b. Duly licensed *Home-Based Businesses* pursuant to *Section 559.955,* Florida Statutes.

c. Supplementary uses as permitted by *Section 8.16.A.1.b.*, provided they are *Ancillary* in nature to the *Principal Use.*

3. Prohibited uses.
   a. All other uses not specifically or provisionally permitted herein.

4. Site development standards.
   a. Minimum lot size.
      (1) Area – 11,200 square feet~~;~~
      (2) Frontage – 80 feet
   b. Minimum yard setbacks.

Location	**Distance *(Feet)***
Front	25
Rear / waterfront(1)	25
One side (interior)	15
Second side (interior)	20% of the *Lot* width but no less than twenty (20) feet, to accommodate a *View Corridor* consistent with the adopted *Island Walk* Design Criteria and Miami-Dade County *Shoreline Development Action Review Criteria*
Minimum combined side *Setback* area free of *Structures* at ground level	30

(1) *Waterfront setback encroachments*. Cantilevered awnings and entry canopies may encroach up to seven (7) feet into a waterfront setback, up to but not extending into, the *Island Walk Easement*. Above the first story of the *Building*, cantilevered balconies, bay windows, and roofs may encroach up to seven (7) feet into a waterfront *Setback*, up to but not extending into, the Island Walk Easement.

(2) *Balconies*. Exterior balconies/terraces and covered walkways above the ground floor, excluding rooftops and other non-covered areas, may extend into the side Setbacks a maximum of twenty-five percent (25%) of the allowable setback measurement but may not extend beyond the Pedestal of a Building with a pedestal and *Tower* design.

(3) *Flex setback for buildings with a pedestal and tower design*. To promote creative design solutions to the Building configuration, the *Village Commission* may allow a building Tower (and Pedestal, for sites involving only one Lot) to encroach into the Setbacks as per the following "flex box" criteria:

(a) Pedestal (aka podium) shall be defined as that portion of a building up to 100 feet in height which contains the building's structured parking and amenities.

(b) Tower shall be defined as that portion of a building that starts at the top of the pedestal or podium.

(c) The maximum floor plate for the tower portion of buildings with a pedestal and tower design shall be 17,500 square feet.

(d) The tower shall be stepped back an additional ten (10) feet from the face of the pedestal along any street frontage.

(e) The maximum achievable floor area is calculated based upon the buildable "box" allowed under the regularly applicable setback regulations and the allowable height (the "Box Floor Area").

(f) The building may be designed to encroach onto regularly applicable setbacks, with the exception of the side setback that accommodates the View Corridor, provided the encroachment does not exceed thirty percent (30%) of the required setback and the total gross floor area of the building does not exceed the Box Floor Area. In calculating the total gross floor area, all square footage of any structure (whether exterior or interior) shall be included.

(g) In no instance may any encroachment into any side yard setback be longer than one-third (1/3) of the distance between the front and rear setback. Balconies with railings or other physical containment, which do not exceed 42 inches in height are not included in the measurement of the wall length.

c. Maximum density.

Pursuant to the Village's *Comprehensive Plan*, the maximum base density permitted in all RM-70 properties shall be seventy (70) units to the acre, except for properties receiving transferred development rights pursuant to *Section 8.13*, which shall be permitted to exceed the maximum base density by no more than thirty percent (30%). Receiver sites may be developed as otherwise permitted by this Unified land

Development Code, as may be amended from time to time, in combination with the development rights available to the site, provided that the overall district density is consistent with, and does not exceed, the overall density allowable by the Village's Comprehensive Plan.

d. Maximum base building height: 150 feet from *BFE* for the property plus freeboard.

e. Maximum bonus building height: Bonus height may be approved according to *Section 8.12*.

f. Minimum pervious area at ground level: Thirty percent (30%) of the total *Lot Area* and thirty percent (30%) of the front yard area. The minimum required pervious area shall be retained/provided at grade level. (For additional related standards, see *subsection 5.b.* below).

g. Green space: A minimum of twenty percent (20%) of the total *Lot Area* shall be maintained as unobstructed Green Space and shall be landscaped. On lots up to 22,400 square feet in size, at least twenty-five percent (25%) of the *Front Yard* area shall be maintained as green space. On lots greater than 22,400 square feet in size, at least thirty percent (30%) of the front yard area shall be maintained as green space. The *Commission* may waive or reduce the minimum required green space in the front yard of a project through the Site Plan approval process, if it finds that the character of the *Building* or the configuration of the plan makes such a reduction reasonable or necessary, and provided that the square footage of the approved reduction in green space is provided elsewhere on the site.

h. Minimum floor area:

Unit Type	Floor area (Sq. Ft.)
Microunit	300 (449 max)
Efficiency/studio	450
One-bedroom	750
Two-bedroom	1,100
Three-bedroom or larger	1,300

5. Additional required features and requirements.

All properties developed under the RM-70 Zoning requirements shall provide the following:

a. Public access boardwalk as required by the *Miami-Dade County Shoreline Review Committee* and by North Bay Village per *Section 8.17.O.* (Developer shall dedicate an easement to the *Village* conveying the boardwalk and a public access corridor).

b. All exterior paving surfaces, except for covered parking garages, shall be constructed of permeable material. Up to twenty-five percent (25%) of the combined square footage of all parking areas, driveways, walkways, patios, and terraces built

with permeable materials may be subtracted from the maximum calculated impervious coverage on the lot, if approved by the *Director of Public Works*, (or a ~~his or her~~ designee,) based on the porosity of the material used, and the amount (percent) of annual rainfall that will pass through the material.

c. Artwork and art installations shall be provided in the front and within the *Island Walk* portion of each development preference should be given to local artists and interactive experiences that highlight Florida's cultural, ecological, and historic assets. Artwork should be placed in a manner that does not encumber access to or views of the waterfront. The proposed location and character of all artworks shall be considered during the Site Plan approval.

d. Developments shall comply with existing landscaping requirements, as well as changes implemented in the future to conform to contiguous developments and landscaping plans implemented for the causeway and interior island areas.

e. Developments shall provide furnishings, lighting, and pedestrian amenities along the Island Walk per *Section 8.17.O*, Island Walk Standards.

f. All parking garages shall be constructed with architectural features that hide them from public view (glass, screening, greenery etc.) pursuant to *subsections 9.3.E* and *L*.

g. Lighting shall be provided in all areas in the front of development where trees are planted.

h. Properties developed pursuant to a transfer of development rights pursuant to *Section 8.13* shall be required to achieve at least thirty (30) green building and design points pursuant to the standards of *Section 8.21*.

i. *Landscaped Green Space* shall be used to delineate existing and proposed *Structures*, parking areas, driveways, and other vehicular use areas, sidewalks, and walkways, utilities, and/or *Easements* on the property.

j. Building forms shall be varied to avoid monotony but shall be sensitive to the profiles of adjacent *Buildings* and shall configure second and third stories adequately to reduce the apparent overall scale of the building.

k. A minimum of thirty percent (30%) of the ground level front façade shall contain openings/transparency (either windows, doors, or transitional spaces defined by porches, porticoes, or colonnades).

l. The massing of the buildings resulting from volumetric distribution according to the dimensional requirements shall provide light-plane access in between buildings, even if maximum build-out of adjacent properties occurs.

m. Main entries shall be prominent and oriented to the *Streets* and rendered in appropriate scale relative to adjacent buildings as well as the individual building.

E. CG General Commercial District

1. *Purpose and intent.*

The purpose of this district is to encourage the development of general office, retail, service commercial, tourist accommodations, and commercial-residential mixed use.

2. *Uses permitted:*

a. Bank or financial institution.

b. Clinic, urgent care, or hospital.

c. Dry cleaning substation or laundromat.

d. Lounge or nightclub (subject to the provisions of *Chapter 111* of the Village Code of Ordinances).

e. Medical or dental office/laboratory.

f. Personal services establishments, including but not limited to shoe repair, barber and beauty shop, stock brokerage, employment agency, travel bureau, and messenger service.

g. Post office.

h. Professional offices, including but not limited to architecture, accounting, engineering, investigative, investment and tax counseling law, medicine, and real estate.

i. Multi-family residential dwellings, in conjunction with ground floor commercial.

j. Tourist accommodations including hotels, motels, vacation rentals, and time-sharing units.

k. *Restaurants*, *Coffee Shops*, delicatessens, and fast order food establishments (excluding any form of drive-in or drive-thru service regardless of the type of establishment; see *subsection E.3.a*).

l. Outdoor seating/dining shall be subject to the following requirements and conditions:

(1) An application must be filed with the *Village Manager*, or ~~his/her~~ designee, for administrative review and approval, which shall include layout of all tables, chairs, benches, and other furniture; pedestrian ingress and egress; location of refuse containers; and other elements necessary to illustrate the proposed outdoor seating/ dining use and area (all drawings must be titled, indicate orientation, and be at an acceptable scale).

(2) Outdoor seating/dining areas and uses of the public *Right-of-Way* and/or any private property may be approved, denied, or approved with conditions, modifications, safeguards, or stipulations appropriately and reasonably related to the intent, purposes, standards, and requirements of the related regulations by the *Village Manager*. Such permit shall not be transferable in any manner and is strictly a ~~conditional use~~ warrant permit, issued for a period of one year,

renewable annually via payment of the annual occupational license fee for such outdoor seating/dining uses.

(3) The fee for outdoor dining/seating use and area will be charged annually in accordance with the Village's adopted *Fee Schedule*; the permit fee shall be added to the occupational license fee for the main business.

(4) The applicant shall provide an indemnity agreement that is acceptable to the *Village Manager*. This agreement will include specification of liability insurance provided.

(5) The ~~conditional use~~ warrant permitting of outdoor seating/dining use and area may be revoked by the Village Manager or ~~his/her~~ designee, upon finding that one or more conditions of these regulations have been violated, or that the outdoor seating/dining area and use are being operated in a manner that constitutes a public nuisance, or in any way that constitutes a reasonable risk of potential liability to the Village.

(6) Outdoor seating/dining use and area may be temporarily suspended by the Village for public use/purpose, utility, sidewalk or road repairs, emergency situations, or violations of provisions contained herein. The length of suspension shall be determined by the Village Manager, as necessary. Removal of all street furniture and related obstructions shall be the responsibility of the owner/operator of the outdoor seating/dining.

(7) Outdoor seating/dining area shall be kept in a neat and orderly appearance and shall be kept free from refuse and debris. The applicant shall be responsible for daily cleaning and sweeping of the outdoor seating/dining area and for the cleanliness and maintenance of any outdoor planters immediately adjacent to the outdoor seating/dining area. Use of *Village* sidewalks for trash and garbage removal shall be prohibited.

(8) Outdoor seating/dining use and area shall not interfere with the free and unobstructed pedestrian or vehicular circulation of traffic, public access to any *Street* intersections, crosswalks, public seating areas and conveniences, bus stops, *Alleys*, service *Easements*, handicap facilities, or access to any other commercial establishments. The width and location of the sidewalk pedestrian passage shall be as follows:

If there is seating on one side of the sidewalk, a minimum of five feet of sidewalk must remain clear and unobstructed for pedestrian passage~~;~~:

(9) Outdoor seating/dining area on the public rights-of-way shall be open and unenclosed. No building structures of any kind shall be allowed in and over any portion of the outdoor seating/dining area located on public property.

(10) Tables, chairs, and all other furniture used in the operation of an outdoor seating/dining area shall not be anchored or restrained in any manner. Individual

table umbrellas, planters, or other such non-stationary elements may be permitted within the outdoor seating/dining area and where applicable, shall have a minimum clearance height of seven feet above grade.

(11) Outdoor seating/dining use and area shall be restricted to the length of the sidewalk or public *Right-of-Way* immediately fronting the cafe or other establishment

(12) Outdoor seating/dining area shall be at the same elevation as the adjoining sidewalk or public right-of-way.

(13) Carts and trays for serving food are permitted in the outdoor seating/dining area.

(14) Outdoor seating/dining use and area shall not be provided with amplified sound of any kind.

(15) *Outdoor Seating/Dining Areas* may serve *Alcoholic Beverages* where such service is strictly incidental to the service of food and from a service *Bar* only; provided no entertainment of any kind is furnished. No *Sign* of any type or character shall be exhibited or displayed to the outside denoting that alcoholic beverages are obtainable within.

(16) Any administrative decision may be appealed to the *Village Commission* in accordance with the requirements of this Code.

(17) The hours of operation shall coincide with that of the primary *Restaurant*.

m. Retail sales establishments, including but not limited to the sale of appliances, books, stationery, drugs, hardware, liquor, groceries, meats, produce and fish; however, such retail sales shall be restricted to merchandise stored and displayed within the *Main Structure*.

n. Radio and television transmitting station and studio.

o. Studios for artists, photographers, sculptors, or musicians, including: the teaching of art, music, dancing, or artistic instruction.

p. Daycare or nursery.

q. Repair service establishments (shoes, watches, appliances, and other similar uses).

r. Gym or fitness center.

s. Commercial parking lot.

t. Business, vocational, and trade schools.

u. Pharmacy.

v. Animal hospital, grooming, and/or kennel.

w. Funeral home or mortuary.

x. Art gallery.

y. Religious institution.

z. Lodges, social organizations, and union halls.

aa. For accessory uses and structures, please refer to *Section 8.16.A*.

3. *Special uses permitted.*

Uses permitted upon approval of the *Village Commission* in accordance with the provisions pertaining to use exceptions (See *Section 8.11*).

a. *Drive-Thru or Drive-In* service.

b. Marinas, provided that the following provisions are adhered to:

(1) No docks or piers, including mooring piles, catwalks, and other appurtenances, shall be constructed closer than 7.5 feet to any adjacent property line.

(2) In no case shall a dock or pier project more than ten percent into the width of any waterway.

(3) Fire prevention and fire control equipment shall be provided as required by the ~~South~~ *Florida Building Code*.

(4) In conjunction with the dockage of moorage of vessels, the following water-related activities, vessels, and structures are prohibited:

(a) Commercial vessels.

(b) Haul-out facilities for major boat repair or overhaul work.

(c) Unscreened storage of boating supplies or accessories in the required *Front Yard Setback* area.

(d) Permanent live-aboard vessels except as required for work or security purposes.

c. Printing and publishing establishments, including blueprinting and photostating, provided that no such use shall occupy more than 1,500 square feet of *Gross Floor Area*.

d. Service stations, provided that the following provisions are adhered to:

(1) All *Structures* shall be designed in a manner that is compatible with the overall environmental and architectural design goals of the community.

(2) All properties shall have at least 150 feet of frontage.

(3) All new and used merchandise shall be stored and displayed within the main structure except tires, accessories, and lubrication items, which may be maintained in movable or enclosed cabinets.

(4) No used or discarded automotive parts or equipment or permanently disabled or wrecked vehicles shall be located outside the *Main Structure* except within an

enclosed trash storage area.

(5) Major repairs or engine overhauling or transmission repair, painting, body and fender repair, and tire recapping is not permitted.

(6) The rental of heavy equipment and the sale or rental of merchandise not related to the motoring public, other than as specified herein, is excluded.

(7) The storage of up to ten (10) rental trailers or automobiles is permitted, provided that the trailers or automobiles are backed up against a six-foot high wall and located not less than twenty (20) feet from any sidewalk, street, or driveway.

(8) Car washes are permitted as an *Ancillary Use* subject to being located 200 feet from residential uses and subject to hours of operation.

(9) Trash shall be stored in areas shielded from public view. Storage trash containers shall be enclosed and covered.

(10) Any lights provided to illuminate or advertise the service station~~,~~ shall be installed and maintained in a manner so as not to create an undue glare on adjacent properties.

(11) Structures shall not occupy more than ~~30~~ thirty percent (30%) of the *Total Lot Area*.

(12) Driveways shall be permitted at the intersections of primary and secondary arterials, provided the construction of driveway entrances is within the curb return, but shall be at least five feet beyond the end of the curb return. At all intersections, whenever possible, combine driveways servicing both service station and adjacent uses, shall be designated and provided.

(13) Planter areas and tree wells shall be constructed and equipped with irrigation, lighting, and drainage facilities, and landscaped prior to final building inspection.

(14) Whenever the *Use* abuts a *Residential District*, a wall shall be erected along the property line eight feet in height.

(15) Service stations shall not be permitted within 300 feet of the property line of any ~~church, synagogue~~ *House of Worship*, hospital, and school.

(16) No more than four service stations shall be permitted within the *Village* at any one time.

e. Theaters for the showing of motion pictures shall provide no less than 400 fixed seats. When the theater is to be used solely for activities of a performing art, or an event of a cultural or civic nature, a lesser number of seats may be required by the *Commission*.

f. Yacht clubs, provided they have a minimum of 150 feet of water frontage and no main building is less than 4,000 square feet in gross floor area.

g. Public Storage, in conjunction with another use which is listed as a permitted use in the General Commercial zoning district. The public storage use may occupy no more than thirty five percent (35%) of the floor area of the development. Additionally, no special use approval for a public storage use shall be granted within 2,500 feet from an existing public storage facility. This distance shall be measured as the airline distance between the nearest property lines of the proposed public storage location and the existing public storage location.

4. *Prohibited uses.*

Boat storage facilities utilized for the purpose of storing boats shall be prohibited in the CG (General Commercial) District.

5. *Site development standards.*

a. Minimum lot size:

(1) Area—10,000 sf

(2) Frontage—75 feet

b. Minimum yard setbacks:

Location	Distance (Feet)
NE 79th Street (north side)	40
Other street frontages	25
Rear	25
One Side (interior)	15
Second Side (interior)	20% of the lot width

c. Maximum base building height:

150 feet.

d. Maximum bonus building height:

Bonus height may be approved according to *Section 8.12*.

e. Maximum FAR:

The maximum floor area ratio for all non-residential uses is 3.0. Areas used for parking shall not be counted towards maximum FAR. Hotels and motels are considered commercial uses.

f. Maximum base density for residential units:

Seventy (70) efficiency or one (1) bedroom dwelling units per ~~net~~ acre of net lot area. The following required minimum amount of lot area per unit shall determine the number of other dwelling unit types permitted:

Unit Type	Required Lot Area (Sq. Ft./Unit)	Density (Units/Acre)

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

Efficiency	623	70.0
One-bedroom	623	70.0
Two-bedroom	685	63.6
Three-bedroom or larger	750	58.1

g. Maximum bonus density:
Bonus density may be approved according to the *Transfer of Density Rights* program in *Section 8.13*.

h. Minimum pervious area:
~~20~~Twenty percent (20%) of the total parcel. The lot area at grade level shall be retained as pervious area and shall be landscaped.

i. Landscaping:
Shall be provided according to Miami-Dade Landscaping *Chapter 18A*.

j. Minimum ~~unit~~ floor area required by unit type:

Unit Type	Floor area (Sq. Ft.)
Hotel or Motel	200
Efficiency	600
One-bedroom	900
Two-bedroom	1,200

F. Urban Core Zone (T6)

1. *Purpose and Intent*. The Urban Core Zone consists of the highest density and greatest variety of Uses, including civic buildings. A network of small blocks has walkable thoroughfares with wide sidewalks, with steady tree planting and buildings set close to the Frontage with frequent doors and windows. See *Chapter 15* for use and development standards within the Urban Core Zone.

G. Public Buildings and Grounds [Reserved]

§ 8.10.1 – Workforce Housing Program

It is recognized that a shortage of workforce housing exists in North Bay Village which is detrimental to the public health, safety, and welfare. The current housing stock in the Village is not affordable to many workers who would choose North Bay Village as a place to live and thus they are forced to live in other areas of Miami-Dade County and commute greater distances. The purpose of this regulation is to expand the level of housing choices available to households, by (i) requiring a minimum number of workforce housing units in new and redevelopment projects of 75 units or more located in the T6 and RM-70 zoning districts, and (ii) providing for an additional Workforce Housing

Density Bonus (WHDB) to property owners with land located in the T6-24, T6-24MU and T6-30 transects, unless otherwise stipulated in an approved development agreement in connection with a *Special Area Plan* approval. The program is intended to serve the housing needs of people employed in the jobs that the general population of the community relies upon to make our community livable such as educators, first responders and service workers.

A. *Minimum Workforce Housing Unit Requirement.*

A mandatory five percent (5%) of dwelling units in residential developments of seventy-five (75) units or more, up to the ~~base~~ maximum density ~~of~~ permitted without bonuses shall be developed as workforce housing *Dwelling Units* for households with incomes between 60% and 140% of Miami-Dade County AMI.

B. *Workforce Housing Density Bonus Program.*

Density bonuses may be approved by the *Village Commission* for participation in the *Village* public benefit program, in compliance with this section. The purpose of this regulation is to provide a Workforce Housing density bonus to property owners with land located in the T6-24, T6-24MU and T6-30 transect zones along Kennedy Causeway, for the planning and construction of workforce housing units for households with incomes between 80% and 100% of Miami-Dade County AMI.

1. During the site plan and approval process, the Village Commission may approve density up to 120 dwelling units per acre if the applicant for development approval sets aside a minimum additional five percent (5%) of the total units for non-subsidized workforce and pays the community contribution *Fee* for each additional dwelling unit approved above the base density of 70 dwelling units per acre up to a maximum density of 120 units per acre, as stipulated in subsection D. below. The workforce housing units to be provided pursuant to this subsection are in addition to, and in excess of, the minimum workforce housing requirement set forth in *subsection 8.10.1.A*.

2. Additional density above 120 dwelling units per acre, up to a maximum of 150 units per acre may be approved by the Village Commission during the site plan review and approval process, with the provision of additional workforce housing, if the applicant for development approval sets aside a minimum additional five percent (5%) of the total units for non-subsidized workforce housing and pays the community contribution fee per additional dwelling unit approved above 120 units per acre up to a maximum of 150 units per acre, as stipulated in subsection F.4 below. The workforce housing units to be provided pursuant to this subsection are in addition to, and in excess of, the minimum workforce housing requirement set forth in *subsection 8.10.1.A*. and *8.10.1.B.1.* Total density including bonuses shall not exceed 150 dwelling units per acre.

3. The following table summarizes the relationship between density and workforce housing units as a percentage of total units in a site plan:

Development Density	Workforce Housing Units Required (% of total units)	Eligible Income Range

50 - 70 UPA	5%	60%-140% of Miami-Dade County AMI
71-120 UPA	10%	First 5% of total units: 60%-140% of Miami-Dade AMI Remaining requirement of 5% of total units: 80%-100% of Miami-Dade County AMI.
121 -150 UPA	15%	First 5% of total units: 60%-140% of Miami-Dade County AMI Remaining requirement of 10% of total units: 80%-100% of Miami-Dade County AMI

C. *Applicability.*

The workforce housing requirements described above shall be satisfied through on-site provision of qualifying units for multifamily residential developments located on parcels zoned T6-24, T6-30, T6-24MU or RM-70 that are offered for rent; as well as to any multifamily residential project approved for sale but which converts to for-rent units within five (5) years of issuance of a Certificate of Occupancy (CO). All CO's issued for a for-sale multifamily development shall include a condition referencing this requirement. For-sale condominium developments may provide for development of workforce housing units on-site or may instead satisfy workforce housing obligations through a payment in-lieu of workforce housing, as set forth in Section 8.10.2, at the applicant's option.

D. *Validity Period.*

Development approvals shall be valid for two (2) years in accordance with these regulations following final approval by the *Village Commission* unless otherwise approved by development order. Approved site plans may be granted no more than two (2) one-year renewals, subject to approval by the Village Commission. To avoid expiration of the site plans, the applicant must apply for and obtain a full building permit for substantial construction prior to the expiration of the timeframes set forth above. Community contribution fees paid prior to expiration of a site plan approval are nonrefundable, or transferable to a new site plan approval. A development seeking re-approval for a site plan that has lapsed, or a new site plan approval on a property where a site plan has lapsed, shall be assessed another community contribution *Fee* for bonus density in accordance with this section.

E. *Community Contribution Fee*

1. Community contribution feed for bonus units over and above the base density shall be assessed by and be payable to the *Village* in accordance with its adopted *Fee Schedule*.

2. The fee per unit of bonus density per acre shall be reviewed and adjusted as necessary by the Village Commission during the annual budget process.

F. *Workforce Housing Program Administration*

1. Purpose. The purpose of this section is to create administrative procedures for the implementation of the Workforce Housing Program established pursuant to Chapter 15, *Section 15.2.H*, Chapter 8, *Section 8.10.1.* of the North Bay Village Unified Land Development Code, and applicable to mixed-use developments in the T6-24, T6-24MU (Municipal Use) and T6-30 transect zones along Kennedy Causeway (79th Street Causeway).
2. *Definition of Terms.* The following definitions shall apply to this chapter. Additional relevant definitions are contained in *Chapter 3* of the North Bay Village Unified Land Development Code:
   a. *Condominium.* ~~means that~~ A form of ownership of real property created pursuant to *Chapter 718* of the Florida Statues, which is comprised entirely of units that are owned by one or more persons, and which there is, appurtenant to each unit, an undivided share in common elements.
   b. *Condominium Conversion.* As ~~has the meaning~~ established by *Sections 718.604-718.622* of the Florida Statues.
   c. *Control Period.* ~~means e~~ Each 30-year period during which the affordability restrictions imposed by this article shall apply. The control period begins at the time of any sale or resale of the affected unit by every new Workforce Housing Unit owner.
   d. *Covered Development.* ~~means a~~ All developments providing Workforce Housing units pursuant to Chapter 8, *Section 8.10.1.* of the North Bay Village Unified Land Development Code.
   e. *Department.* ~~means,~~ ~~u~~ Unless otherwise indicated, refers to the Department or Division designated by the *Village Manager* to administer this program or any successor agency.
   f. *Developer.* ~~means a~~ Any person, form, corporation, partnership, limited liability company, association, joint venture, or any entity or combination of entities that apply for development orders or permits for residential *Dwelling Units* seeking to utilize the density bonus available pursuant to Chapter 8, *Sections 8.12.5*, *8.13.~~D~~.*, *8.15*, and Chapter 15, *Section 15.1.H.* of the North Bay Village Unified Land Development Code, but does not include the state or any county, municipality, or any governmental entity.
   g. *Eligible Household.* ~~means a~~ A household whose total income is between ~~8~~60% and 1~~0~~40% of Miami-Dade County Median Household Income (MHI).

h. *Eligible Household Income.* ~~means a~~ Any income derived from any proposed occupants of a Workforce Housing unit who are 18 years of age or older and who will use the unit as their primary residence.

i. *Household.* ~~means a~~ Any natural person who occupies a Workforce Housing unit as their primary residence.

j. *Market Rate Dwelling Units.* ~~means a~~ All dwelling units in a covered development that are not Workforce Housing units as defined herein.

k. *Median Household Income (MHI).* ~~means t~~ The median income level for Miami-Dade County households as determined in the *U.S. Census Bureau* decennial census and/or U.S. Census Bureau American Community Survey (ACS) 5-Year Estimates, which are updated every year.

l. *Program Administrator.* ~~means, u~~Unless otherwise indicated, refers to the individual or individuals designated by the *Village Manager* to administer the Workforce Housing Program.

m. *Qualified Household.* ~~means a~~An eligible household with annual incomes within the affordable ranges established in this Code.

n. *Qualified Improvement.* ~~means a~~Any addition or replacement to the *Workforce Housing Unit* that adds materially to the value of the unit, prolongs the unit's useful life, or adapts the Workforce Housing unit to new uses and the replacement of any existing amenities.

o. *Workforce Housing Density Bonus Agreement.* ~~means a~~A written agreement between an applicant for a development and the *Village* containing specific requirements to ensure the continuing affordability of the workforce housing units included in a development during the control period.

p. *Workforce Housing Unit.* ~~means a~~A rental dwelling unit occupied by an eligible workforce household where the maximum monthly rental cost shall be restricted to an amount affordable to a workforce household with a total annual income between 60% and 140% of Miami-Dade County MHI.

q. *Workforce Housing Unit Rent.* ~~means r~~Rents that do not exceed the maximum monthly Rent Limits as determined for Miami-Dade County by the U.S. Department of Housing and Urban Development in its annual Income Limits and Rent Limits as used by Florida Housing Corporation for its multifamily rental programs ~~(published annually by *http://www.floridahousing.org*~~).

3. *Compliance Procedures.* Workforce Housing Declaration of Restrictive Covenants and Workforce Housing Agreement.
   a. Every Workforce Housing unit established pursuant to Chapter 15, *Section 15.2.1.* of the North Bay Village Unified Land Development Code shall be offered for rent to a qualified household to be used for their own primary residence.

b. Prior to the initial rental of any workforce unit, the owner must record the Workforce Housing Density Bonus Agreement in the chain of title for that unit, at no cost to the *Village*, and submit recordation documentation to the Village. The rental contract for the unit must also contain a clause summarizing the workforce housing requirements and rent level control and referencing the recorded Workforce Housing Density Bonus Agreement.

c. The maximum rental rates for workforce units shall not exceed the affordability limit of an eligible workforce household making an annual income within the applicable median household income range pursuant to this section as published annually by North Bay *Village*.

4. *Application of Workforce Housing Density Bonus.* Any development proposing to utilize the density bonus allowed pursuant to *Section 8.10.1* must submit a Workforce Housing Density Bonus zoning application with their application for site plan review to the Village for consideration and approval by the ~~City~~*Village Commission*. At a minimum, the density bonus application shall include:
   a. General description of the development including location, size, land use, zoning, and the number of rental units and/or for sale units the development will contain.
   b. Conceptual development plan showing the proposed location of the Workforce Housing rental units.
   c. Total number of market rate and Workforce Housing units.
   d. Estimated initial monthly rent for each Workforce Housing Unit.
   e. Provide the size in terms of square feet and number of bedrooms for each Workforce Housing unit.
   f. Location in development of each Workforce Housing unit and its applicable AMI affordability range.
   g. If construction is to be phased, a phasing plan identifying the number of Workforce Housing units and market-rate units in each phase.
   h. Documentation and plans regarding the interior and exterior appearances, materials, and finishes of the bonus units if not exactly the same as the market-rate units; and
   i. Any other relevant information requested by the *Village.*

5. Workforce Housing Density Bonus Criteria.
   a. Workforce Housing units shall be built on the same site as the proposed development.
   b. Workforce Housing units must be reasonably dispersed throughout the project, and not clustered together or segregated in any way, from the market-rate units.
   c. On average, Workforce Housing units must contain the same number of bedrooms and quality of construction as the other market-rate units in the development.

d. Workforce Housing units shall be developed simultaneously with, or prior to the development of the other market-rate units.

e. If the development is phased, the phasing plan shall provide for the construction of Workforce Housing units proportionately and concurrently with the market-rate units.

f. The interior building materials and finishes of the Workforce Housing units shall be substantially the same type and quality as market-rate.

g. Workforce Housing units aimed at workers considered essential (such as educators, first responders (e.g., police and firefighters), and service workers) shall be prioritized.

6. *Workforce Housing Density Bonus Agreement.*
   a. Prior to the approval of any development order or permit for any development in which the Workforce Housing density bonus is requested, the applicant shall enter into a Workforce Housing Density Bonus Agreement with the *Village*, which shall set forth the commitments and obligations of the applicant to ensure compliance with these regulations.

   b. The applicant shall execute all documents deemed necessary by the Village in a form to be established by the *Village Attorney*, including without limitation, restrictive covenants, deed restrictions and related instruments including requirements for income qualification for tenant of rental units.

7. *Maintenance of Rent Affordability.*
   a. On an annual basis, the *Village Manager*, or ~~his/her~~ designee, shall make available copies of updated AMI ranges, and associated rental limits applicable to Workforce Housing units in North Bay Village based on official information available from Miami-Dade County or *U.S. Department of Housing and Urban Development*.

   b. The time period during which the rental rate for a Workforce Housing unit under these regulations is required to be controlled within a specified affordability range is 30 years.

   c. Workforce housing rental unit owners are required to submit an annual report to the *Village* on or before January 30 of each year, verifying that all designated Workforce Housing units the won are being rented at rates affordable to area households with annual incomes within the affordability ranges established in this Code. Documentation may be in the form of a notarized affidavit stating the current annual rent for each unit together with collaborating documentation, or other form acceptable to the *Village Manager*.

8. *Violations.*
   a. It is a violation of this ordinance to:
      (1) Fail to file required affidavits or audits when required.

(2) Rent or lease a Workforce Housing unit to a person or family that is not income eligible as required by this Code.

(3) Knowingly give false or misleading information relating to this program to any Village employee.

(4) Participate, in any way, in the lease or rental of a Workforce Housing unit which violates any provision of this Code or a Workforce Housing Density Bonus Agreement.

b. The fine for each violation of these provisions shall be in conformance with the procedures and fines in *Chapter 153* of the North Bay Village Code of Ordinances, as amended.

c. Appeals to any violations issued by North Bay Village under these regulations shall be processed pursuant to the North Bay Village Code Compliance appeals procedure in *Chapter 153*, North Bay Village Code of Ordinances, as amended.

§. 8.10.2 – Payment in Satisfaction of Workforce Housing Requirements for Condominium Developments

The provision of workforce housing units within a for-sale development may be satisfied by a developer paying an "in-lieu" fee to the Village to be deposited in the Village's ~~workforce~~ Resilient ~~h~~Housing ~~t~~Trust fund. The "in-lieu" fee calculation shall be calculated at the time of site plan approval and the developer shall determine whether to satisfy their workforce housing requirement pursuant to this section or provide them on-site prior to site plan approval and inform the Village accordingly. The Developer shall be responsible for providing the Village with the necessary data and calculations for their review. This program is intended to allow the Village flexibility in the provision and maintenance of workforce housing.

A. *Definitions.* This subsection provides definitions for terms used in this section that are technical in nature. If there is a conflict between this section and other definitions provided in the Code, this subsection shall take precedence.

1. "Affordable Purchase Price" shall be the most recent estimated purchase price for a family of four at 100 percent of median family income issued by Miami-Dade County.

2. "Village-wide median sales" shall be established by the Developer, subject to review and approval by the Village Manager or their designee, at the time the project receives site plan approval. The figure shall be established by averaging the sales price of apartments sold in the Village over the past two-years. The sales data shall be based on the Miami-Dade County Property Appraiser's public records and sales under $5,000 shall not be taken into account.

B. *Fee Calculation.* The "in-lieu" fee shall be calculated at the time of site plan approval as follows:

Village-wide median sales price

(minus)

Affordable Purchase Price

(equals)

Payment in-lieu per unit.

C. *Fee Collection*. Should the developer elect to satisfy the provision of workforce housing pursuant to this section they shall have the option to select between the following payment options:

1. 10% of the "in-lieu" fee within 30 days of site plan approval, with the remaining 90% due to the Village prior to the issuance of the project's master building permit; or
2. 25% of the "in-lieu" fee within a year of site plan approval, with the remaining 75% due to the Village prior to the issuance of the project's master building permit.

Developer shall inform the Village of which payment option they have selected at the time of site plan approval. All payments to the Village are non-refundable and any density obtained on their basis is conditioned upon the applicant or property owner maintaining the site plan approval as valid. If the site plan approval expires, both the density and any payments made thereon shall be forfeited to the Village.

D. ~~Workforce~~ Resilient Housing Trust Fund. The Village shall establish a ~~workforce~~ Resilient ~~h~~Housing ~~t~~Trust fund for the purpose of collecting all funds related to Village's workforce housing programs pursuant to this article.

1. The funds collected for deposit in the ~~workforce~~ Resilient ~~h~~Housing ~~t~~Trust fund may be utilized for the following workforce housing programs:
   a. Rental Assistance Program. The Village shall be permitted to establish a rental assistance program in which the funds collected pursuant to this section may be used to fund grants to assist qualified households with rental payments to help maintain affordability in the Village. To qualify for a grant, a household must submit an application, in a form to be provided by the Village Manager and Village Attorney, establishing their status as a qualified household. Then the Village Manager or their designee shall hold a lottery to determine who should receive the available grants. Priority shall be given as provided in section 8.10.2(5).
   b. Homeowner Assistance Program. The Village shall be permitted to establish a homeowner assistance program in which the funds collected pursuant to this section may be used to fund grants to assist qualified households with homeowners' or condominium association maintenance fees and special assessments to maintain affordability in the Village. To qualify for a grant, a household must submit an application, in a form to be provided by the Village Manager and Village Attorney, establishing their status as a qualified household. Then the Village Manager or their

designee shall hold a lottery to determine who should receive the available grants. Priority shall be given as provided in section 8.10.2(5).

c. Down Payment Assistance. The Village shall be permitted to establish a down payment assistance grant program in which the funds collected pursuant to this section may be used to fund grants to assist qualified households with down payments to purchase property within the Village. To qualify for a grant, a household must submit an application, in a form to be provided by the Village Manager and Village Attorney, establishing their status as a qualified household. Then the Village Manager or their designee shall hold a lottery to determine who should receive the available grants. Priority shall be given as provided in section 8.10.2(5).

d. Rehabilitation Assistance Grant Program. The Village shall be permitted to establish a rehabilitation assistance grant program in which the funds collected pursuant to this section may be used to fund grants to assist qualified households with the rehabilitation of owner-occupied units. To qualify for a grant, a household must submit an application, in a form to be provided by the Village Manager and Village Attorney, establishing their status as a qualified household. Then the Village Manager or their designee shall hold a lottery to determine who should receive the available grants. Priority shall be given as provided in section 8.10.2(5).

e. Administration; Consulting Services. The Village may use a portion of the trust fund monies to administer the fund or retain consulting services, through resolution of the Village Commission, to administer the provisions of this section and/or provide the Village with strategic advice regarding the provision of workforce housing within its jurisdiction.

2. The Village Commission may from time to time authorize additional programs which may be funded through the ~~workforce~~ Resilient ~~h~~Housing ~~t~~Trust fund by resolution.

3. The Village Manager, or their designee, shall provide the required supervision for the ~~workforce~~ Resilient ~~h~~Housing ~~t~~Trust account and shall oversee the account, with all expenditures made pursuant to the Village Charter and Code. A financial status report on the ~~workforce~~ Resilient ~~h~~Housing ~~t~~Trust account shall be provided to the Village Commission on or before October 1 of each calendar year.

E. Essential Worker Prioritization.

1. The programs created pursuant to sub-section 4 shall give priority to the following types of essential workers, provided that any essential worker household applying for assistance under such programs shall qualify pursuant to the income guidelines established in Sec. 8.10.1 of the ULDC:

a. North Bay Village Police, Fire Department employee or general employees of North Bay Village.

b. Miami-Dade County Public School employees working at a school in North Bay Village.

c. Licensed health professionals working in North Bay Village.

d. Residents employed by North Bay Village.

2. The priority list may be modified or supplemented from time to time by Village Commission resolution; however, nothing shall preclude other eligible households from applying for the workforce housing programs and being considered for the Village's workforce housing programs.

§ 8.11 – Use exceptions

A. *Purpose and intent.*

In order to provide for adjustment in the relative locations of uses and buildings of the same or of different classifications; to promote the usefulness of these regulations as instruments for fact-finding, interpretation, application, and adjustment; and to supply the necessary flexibility to their efficient operation, use exceptions are permitted by these regulations.

B. *Use exceptions permitted.*

The *Village Commission* may permit the following buildings and uses as use exceptions, provided there are clear indications that such exceptions will not substantially affect adversely the uses permitted in these regulations of adjacent property.

1. Structural alterations to special uses, after these uses are approved by the Village Commission.
2. Other special uses as may be enumerated in specific *Zoning Districts*.
3. *Assisted Living Facility* or *Nursing Facility*.
4. Temporary sales center/marketing office ~~approval~~ for ~~no more than~~ a period of up to twelve (12) months, renewable administratively by the Village Manager for up to two (2) additional time twelve (12) month periods for a maximum of thirty-six (36) months.
5. Farmers' market.
6. Uses that provide a public benefit (parks, *Open Space*, and other public amenities) that will not adversely affect the existing adjacent uses, the uses permitted in the zoning district of the subject property, or the uses permitted in the zoning district of the adjacent properties.
7. Parking garages as stand-alone, principal structures in multifamily residential zoning districts, provided their purpose is to serve adjacent multifamily residential development and subject to the design standards established in Sec. 9.3.E.
8. Temporary construction trailers and/or units used for the storage of construction materials, following issuance of a development order for a project, subject to the following limitations:
   a. The placement, size, and access to all trailers, parking, landscaping, buffering, and lighting, shall comply with all applicable zoning and building requirements.
   b. Construction trailers shall require a building permit. If utilities are needed, electric and/or plumbing permits shall be required.

c. Construction trailer permits shall only be issued in connection with permitted building construction, rehabilitation, or demolition activity.

d. No sales or leasing shall be conducted from temporary construction trailers.

d. The placement of construction trailers through a Use Exception shall be permitted for a period of twelve (12) months, renewable administratively by the Village Manager for periods of twelve (12) additional months at a time, until the project is completed.

c. All approved construction trailers, storage units and/or related outdoor storage, construction fences and similar uses and structures shall be removed from the property prior to the issuance of a certificate of completion or the first Certificate of Occupancy, whichever occurs first.

C. *Expiration of use exception*.

After the *Village Commission* has approved a use exception, the use exception shall expire after two years, measured from the date of final Commission action, if no substantial construction or change of use has taken place in accordance with the plans for which the use exception was granted.

D. *Reapplication for use exception*.

No application for a use exception shall be filed less than one year after the date of disapproval by the Village Commission of an application for a use exception involving the same land or any portion thereof.

§ 8.12 – Bonus height.

Properties in the RM-70 and CG districts may request to purchase additional height from North Bay Village as follows:

A. Approval of bonus height.

Requests for bonus height shall be made concurrent with site plan review and shall be reviewed pursuant to the same criteria as site plans, provided in *Section 5.8* ULDC. The *Village Planning and Zoning Board* shall review the request and provide a recommendation to the *Village Commission*. The Village Commission shall have the authority to approve or deny any bonus height request at a site plan review public hearing. Bonus heights are not permitted within the T6 transect zones.

B. Maximum bonus height.

1. Except for undersized parcels in RM-70, the maximum building height (with bonus) that may be approved according to this ~~s~~Section is 240 feet.
2. Properties in the RM-70 District that are one (1) acre or less and receive development rights pursuant to *Section 8.13* may obtain approval from the *Village Commission* for additional building height of up to thirty percent (30%) above the maximum permitted height (up to 312 feet with the application of all bonuses) to accommodate the transferred density.

C. Fees.

1. Bonus height *Community Contribution Fees* shall be paid to North Bay Village in the

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following manner: a fifty percent (50%) nonrefundable deposit shall be paid to the Village within 90 days of site plan approval by the *Village Commission*; and the balance shall be paid concurrently with the issuance of a *Building Permit*. No building permit shall be issued by the Village until the applicant has paid the fees calculated pursuant to this section.

2. The Community Ccontribution Ffees shall be assessed and payable to the *Village* in accordance with the Village's adopted *Fee Schedule*, as may be amended from time to time.

3. Community Ccontribution Ffees collected according to the bonus height program shall be utilized for the purchase of future *Village* parks, land for additional public *Open Space*, other public amenities, or infrastructure projects.

4. The bonus fees shall be paid in the following manner:
   a. Applicant will pay to the Village a deposit equal to 10% of the total bonus height or density fee (the "Bonus Fee") within ninety (90) days of the date the site plan approval becomes final and non-appealable. The deposit will be applied to the total *Bonus Fee* due.
   b. The deposit payment shall be non-refundable.
   c. The deposit will be a credit against the Bonus Fee and such credit will run with the land. Without limiting the foregoing, the deposit will run in favor of all owners and successor owners of the subject property and to all site plan approvals regarding the property, even if one or more site plan approvals expire.
   d. The development agreement to be executed and recorded in connection with the site plan approval for the corresponding project shall contain appropriate language providing that the Bonus Fee deposit running with the land as provided in item 3 above.

§ 8.12.5 – Density Bonus Program for the T6 transect.

For projects within the T6-24, T6-24MU and T6-30 transect zones along Kennedy Causeway, the base density shall be 70 dwelling units per acre. The total density including bonuses shall not be approved for more than 150 dwelling units per acre. See ~~Section 15.2.H~~ *Section 8.10.1.*

A. Community contribution *Fees* stipulated in ~~Section 8.13.D~~ *Section 8.13.C* below shall be payable to the *Village* for each additional unit of density above the base density. See ~~Section 15.2.H~~ *Section 8.10.1*. for specific requirements.

§ 8.13 – Transfer of Density Rights (TDR) Program.

Properties in the RM-70 district may request to purchase additional *Dwelling Units* from North Bay Village, allowing for increased density and height, as follows:

A. *Sending Sites.*

The sending sites shall be land currently owned by the *Village*. Any and all Village-owned property shall be considered as an eligible TDR sending or donor site. Total transferred density

allocation within the Village shall not exceed the total developable potential of the sending sites. Total transferred density allocation on Harbor Island shall not exceed the total developable potential of the sending sites located on Harbor Island. The *Planning and Zoning Official* shall track and keep an official tally of the development rights available for transfer, which shall be updated with each transaction. Density rights transfer requests shall be addressed on a first-come, first-served basis. A copy of each update shall be filed by the *Village Clerk*. Upon issuance of a building permit for a project on an eligible receiving site that utilizes approved transferred units, the Village shall record a declaration of restriction on its property, recognizing the transfer of units and the remaining number of transferrable units on the sending site.

B. *Receiving Sites*.

Density rights associated with Village-owned property located on Treasure Island may not be approved for transfer onto property located on Harbor Island. Density Rights from Harbor Island may be and are encouraged t be transferred to receiving sites outside of Harbor Island.

C. *Approval of Transfer of Density Rights and Additional Building Height*.

Requests for transfer of density rights shall be made concurrent with site plan review and shall be reviewed pursuant to the same criteria as site plans, provided in *Section 5.8* of the ULDC. The resulting density and building height following the use of transferred units shall not exceed thirty percent (30%) of the base density and maximum building height (including all other available bonuses) of the receiving site. The *Village Planning and Zoning Board* shall review the request and provide a recommendation to the *Village Commission*. The Village Commission shall have the authority to approve or deny any additional density and related additional building height during site plan.

D. *Fees*.

1. The applicant shall pay a Community Contribution Fees per transferred density right (equivalent to one *Dwelling Unit*) to North Bay Village within 90 days of site plan approval by the Village Commission in accordance with the Village's adopted *Fee Schedule*, as may be amended from time to time, as follows:
   a. Fifty percent (50%) of the total assessed Community Contribution Fee shall be payable within ninety (90) days of *Commission* approval of site plan.
   b. Fifty percent (50%) of the Community Contribution Fee shall be payable prior to or upon the issuance of a building permit.
2. Payments of Community Contribution Fees for transferred density rights shall be nonrefundable.
3. Should the Site Plan approval expire, the transferred density rights shall revert to North Bay Village.
4. Community Contribution Fees collected according to the TDR program shall be utilized by the Village for the purchase of future Village parks, land for additional public *Open Space*, other public amenities, or infrastructure projects.
5. The number of *Dwelling Units* that the applicant must purchase to achieve the desired

density shall be derived from the following calculation:

(number of dwelling units at total density including TDR allocation) minus

(number of dwelling units allowed according to base density) equals

(number of units that must be purchased)

6. Community Contribution Fees shall be reviewed annually by the Village Commission on the recommendation of the *Village Manager* during the budget process.

§ 8.14 – Shoreline accessibility.

All properties in the T6 and RM-70 districts contiguous to Biscayne Bay and its natural tributaries shall provide and maintain a shoreline walkway adjacent to and parallel to the riparian *Right-of-Way,* designed and constructed in a manner consistent with the *Island Walk* Standards referenced in *Section 8.17.O*, as may be amended from time to time. The *Island Walk* shall be provided continuously along the water for the full width of the property. In addition, all properties in the RM-70 district contiguous to Biscayne Bay are subject to the following:

A. Prior to, or concurrent with, site plan approval, the *Village Commission* shall have the authority to allow the *Island Walk* to be provided in the riparian right-of-way in lieu of providing the shoreline walkway upland on the subject property, conditional on approval by *DERM.*

B. Except as otherwise provided in these regulations, a public access connection walkway of a width consistent with the *Island Walk Standards* shall be provided and maintained between the shoreline walkway and the public *Right-of-Way*.

C. All developments contiguous to Biscayne Bay and its natural tributaries shall be subject to review and approval by the Miami-Dade County *Shoreline Review Committee*.

D. *Easements* for both the *Island Walk* and public access connection walkway shall be dedicated and recorded prior to issuance of a *Building Permit*. The easement for the *Island Walk* shall provide connection to the *Island Walk* of contiguous properties.

E. The *Island Walk* and public access walkway shall be open to the public daily, during hours determined by the *Village*. Neither the Island Walk facilities or public connection walkway shall be fenced in or closed off in any way that prevents or precludes access to or connectivity to adjacent (existing or future) segments of the Island Walk.

F. All design features including hardscape and softscape treatments, furnishings, lighting, signage, artwork, etc. shall be consistent with the *Island Walk Standards*.

G. All shoreline accessibility facilities constructed according to this section shall be ADA compliant.

§ 8.15 – Development agreement for projects with bonus height, bonus density, and/or transferred development rights.

Prior to the approval of a site plan that requests bonus density pursuant to *Section 8.10*, and ~~Section 15.2.H~~ *Section 8.10.1*., bonus height pursuant to *Section 8.12*, and/or the transfer of

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development rights pursuant to *Section 8.13*, the *Village* and the owner of the subject property shall agree on tentative terms for a standard Development Agreement, which shall be presented to the *Village Commission* as support documentation for the site approval request. The Development Agreement shall reflect any additional terms imposed by the Village Commission as conditions of approval and shall be executable by the Village and the owner of the subject property following Commission approval. The Development Agreement, along with any accompanying development orders, shall vest the project with any density, height, and/or TDR approvals, notwithstanding any future amendments to either the Code or *Comprehensive Plan* reducing any applicable bonus or modifying the TDR process, provided that the project has not had a failure to commenced as provided herein. The agreement shall contain and address the following information, when applicable:

A. Statement of ownership and legal description;

B. Permitted uses and special exceptions;

C. Minimum dimensional requirements. Such requirement shall include *Lot Area* and width, *Setbacks*, *Building Height*, minimum *Floor Area*, *Accessory Structures*, and other dimensional information pertinent to the project;

D. Landscaping, parking, and signage requirements;

E. Applicable design guidelines. The applicant shall submit as a requirement of the master development agreement, conceptual rendering, plans, schematics, and/or other design document, as may be necessary to illustrate that the project is meeting the design guidelines for the district in which the project is located;

F. Project phasing~~.~~;

G. The method by which common areas facilities and areas visible to the public shall be maintained. This includes whether the project will be owner operated or under the control of condominium association, special taxing district, and/or community development district;

H. The maximum number of *Dwelling Unit*, maximum square footage of any commercial uses, and/or the maximum number of hotel rooms;

I. Improvements to infrastructure that may be required by the UDLC and/or Miami-Dade County by or agreed upon by the *Village* and the owner of the subject property;

J. Expiration date; and

K. Any other information deemed pertinent by the planning and zoning ~~director~~ official or *Village Commission*. The *Planning and Zoning ~~Director~~ Official* may waive any of the master development agreement submittal items or portions of items.

The applicant or its successor in interest shall submit yearly progress reports to the Village beginning within six (6) months of the date of approval and within one (1) year thereafter. Pursuant to *Section 5.10* of the UDLC, all site plan approvals for which construction has not been initiated shall expire two (2) years from the date of final approval, unless otherwise extended by Commission at initial site plan approval or upon request for extension. Development agreements entered into

pursuant to this section shall follow the time frame of the corresponding site plan approval and shall also expire concurrently with the expiration of the site plan approval. An extension of the project site plan pursuant to Section 5.10 of the UDLC shall also extend the development agreement for the corresponding project. Initiating construction shall mean the submission of an application for a building permit for the project.

DIVISION 3, SUPPLEMENTAL USE REGULATIONS

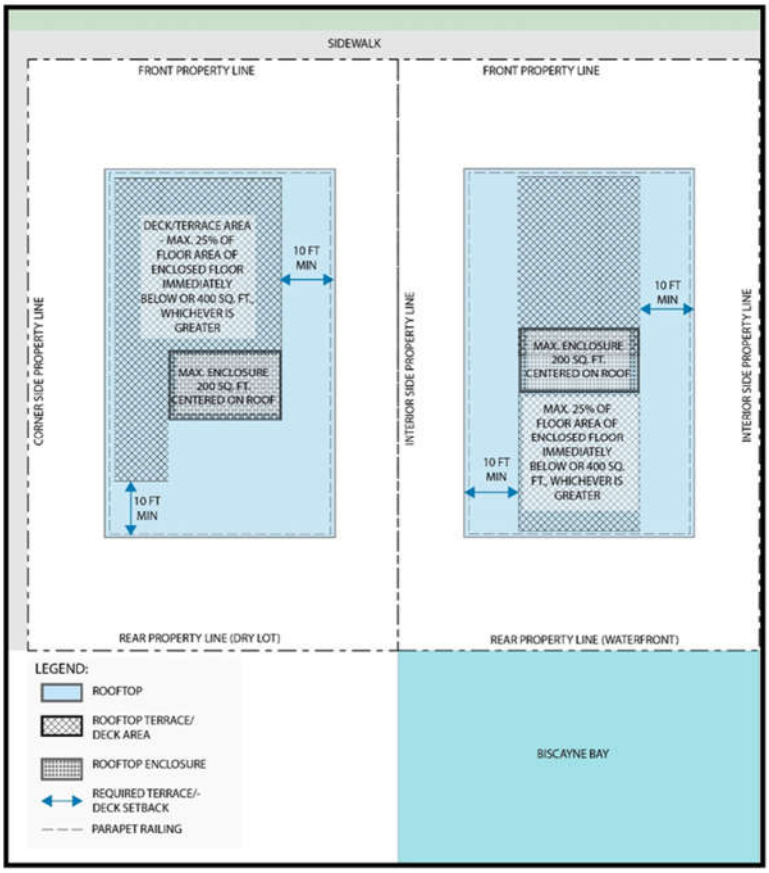
§ 8.16 – Supplemental use regulations.

A. *Accessory uses and structures.*

The following accessory uses and structures shall be permitted when such uses or *Structures* are ancillary, in connection with, and incidental to, the *Principal Use* or structure allowed within the *Zoning District* in which the principal use or structure is located.

1. Permitted accessory uses by zoning district
   a. In single family residential districts:
      (1) Private garages or carports provided:
         (a) No solid wall exterior facades or enclosures are allowed;
         (b) Enclosures must create window facades proportional to the existing windows at the front of the home;
         (c) A landscaped area is created in front of the enclosed garage to a depth of 24" inches and covering the width of the original garage opening; and
         (d) Such greenspace shall be cut out from any existing driveway material that may run up to the new enclosure, or enclosure may maintain a garage door facade.
      (2) Private swimming pools, cabanas, whirlpools, saunas, spas, ~~and~~ hot tubs, tiki huts, patios, pergolas, trellises, and similar.
      (3) Private tennis, basketball, or volleyball courts or other similar outdoor recreational uses and facilities.
      (4) Storage structures (sheds) provided no such structure exceeds 150 square feet in gross floor area and is not more than 12 feet high from grade.
      (5) In addition to the above, the following shall be permitted in the RS-1 district:
         (a) Rooftop decks and terraces, not exceeding a combined surface area of 25% of the enclosed floor area immediately one floor below or 400 square feet, whichever is greater, and set back at least 10 feet from each side of the structure's exterior outer walls, when located along a side elevation not facing a street, and from the rear elevation for non-waterfront lots. Rooftop decks and terraces shall meet the requirements of *Subsection 8.17.G.* and *Section 9.21*.

(b) Rooftop enclosures no more than 200 square feet in area, excluding the enclosed square footage dedicated to an interior staircase or elevator shaft. The enclosure shall be located as close to the center of the roof as possible and be visually recessive such that it does not become a vertical extension of exterior building elevations as viewed from any property line as demonstrated by a ~~line sight~~ sightline diagram and shall meet the height restrictions of *Subsection 8.17.G.7.* Rooftop enclosures shall not have interior plumbing or kitchen facilities.



b. In RM-70 multifamily residential districts, the following *Accessory Uses* may be permitted:

(1) Support. Building management offices within *Structures* containing eight (8) or more *Dwellings Units*.

(2) Nonresidential.

(3) *Professional Service* offices and Personal Service establishments of an *Ancillary* nature, as well as *Neighborhood-Serving Retail* limited to small-scale, low-intensity specialty retail such as gift shops, flower shops, newspaper and magazine stands; convenience goods and services such as mini-mart or *Daycare*; and food shops such as bakery, confectionery, ice cream parlor, refreshment stand, delicatessen,

and *Coffee Shops*; along with *Restaurants* offering waterfront dining, may be permitted with external entrances (including from the *Island Walk*) external *Signs* and display windows subject to the following conditions:

(a) Professional services shall exclude all medical-related providers, including but not limited to dental, vision and veterinary services.

(b) Personal services shall be limited to hair care and aesthetic services, physical fitness conditioning, pet grooming, and laundry services (drop-off/pick up only).

(c) The signs shall not abut or face a public *Right-of-Way* and cannot be readable from the public right-of-way.

(d) Such external signs shall be affixed flat against the *Facade* or *Awning* canopy of the commercial space occupied by the *Nonresidential Use*.

(e) Such external signs shall not exceed in area ten percent (10%) of the area of the facade of the space occupied by the nonresidential space.

(f) Such external signs shall be compatible as to materials, background, and style with all adjacent and contiguous nonresidential facilities with the overall design character of the *Structure*.

(g) The area of such nonresidential uses shall not exceed 0.05 percent of the net square footage of the structure up to a maximum of 10,000 square feet.

(h) Additional parking shall be provided within the development at the ratios established for the specific nonresidential uses in *Section 9.3* of the ULDC.

(4) Integrated structured parking in compliance with the standards of *subsections. 9.3. E.* and *I.*

(5) Covered or sheltered entrance feature/porte cochere up to the property line, provided the structure meets the following conditions:

(a) Vertical clearance of at least fourteen (14) feet. If loading/unloading is to be provided at this location, then vertical clearance shall be at least fourteen and a half (14-½) feet.

(b) Columns may be provided to support a porte cochere.

(6) Private *Swimming Pools*, cabanas, tiki huts, whirlpools, saunas, spas, and hot tubs. Such *Structures* must comply with the applicable *Setback* standards unless the structures are located off the ground plane on an amenities deck).

(7) Private tennis, basketball or volleyball courts or other similar *Ancillary* outdoor recreational uses.

(8) Integrated storage areas provided the storage is reserved for residents of the subject property and provided the storage area does not exceed five percent (5%) of the gross floor area of the *Structure*.

(9) Rooftop decks and terraces, not exceeding a combined surface area of eighty percent (80%) of the enclosed *Floor Area* immediately one floor below and set back at least five (5) feet from each side of the structure's exterior outer *Walls*, when located along a side elevation not facing a street. Rooftop decks and terraces shall meet the requirements of *subsection 8.17.G.* and *Section 9.21*.

c. In all zoning districts

(1) Television and radio antenna structures, except for those of a microwave relay or transmission nature, subject to the provisions of *Section 8.13(N).*

(2) Caretaker ~~or watchman~~ quarters when such quarters are associated with an active construction project.

(3) Doghouse, pens, and other similar structures for the keeping of commonly accepted household pets, provided, however, the requirements of *Sections 91.03* and *91.10* through *91.12* of the Village Code of Ordinances are complied with.

(4) Disaster Shelters.

(5) *Green Building Features* pursuant to *Division 5* of this Chapter, as may be amended from time to time.

2. Special Regulations.

The following regulations shall apply to all *Accessory Uses* and *Structures*:

a. No *Accessory Uses* shall be occupied or utilized unless the *Principal Structure* to which it is accessory is occupied or utilized.

b. All accessory uses and structures shall comply with the use limitations applicable in the *Zoning District* in which they are located

c. All accessory uses and structures shall comply with the site development standards applicable in the zoning district in which they are located, unless specifically authorized otherwise herein.

d. All accessory uses shall be arranged and maintained so as not to encroach into any required yard setback area, unless specifically authorized otherwise within the provisions of this ~~c~~Chapter, or Chapter 15 for properties located in the T6-24 and T6-30 district.

e. All accessory structures shall comply with all provisions of the ~~South~~ *Florida Building Code*, as amended from time to time.

A. *Seawall Standards.*

In addition to all other requirements of this Code, all properties directly abutting North Bay Village's shoreline, upon, and as part of, their development, redevelopment or substantial

improvement ~~redevelopment of~~, shall be required to design, construct, and otherwise conform their respective seawalls to the design criteria and standards established in the Seawall Design Criteria Project Memorandum, dated October 19, 2020, prepared by Moffatt & Nichol for the *Village*, as may be updated from time to time, which is incorporated into the Code as *Appendix "A"* and made a part hereof by reference. The construction of new or expansion of existing docks, piers, boat lifts, and similar waterside improvements is included in the scope of development that triggers the requirement for compliance with this section.

DIVISION 4, SUPPLEMENTAL DEVELOPMENT STANDARDS

§ 8.17 – Supplemental Development Standards.

[Editor's note: For additional standards specific to the T6 Transect Zones, see Chapter 15, Section 15.3.]

A. *Awnings and canopies in non-residential development.*

1. Pedestrian-related concerns are a priority in the creation of a successful development. Overhead protection from rain and sun should be provided for pedestrians. *Awnings* have an impact on the appearance of the storefront and *Building* and tend to bring pedestrians closer to shop windows and entrances. Consideration shall be given to the following where applicable:
   a. Buildings/storefronts should have awnings or other means to provide pedestrians with sun/rain protection unless physically unsuited.
   b. Continuous awnings over several stores are prohibited.
   c. Individual awnings should be distinct from ~~its~~their adjacent neighbor. When multiple awnings are attached to one *Building*, awnings shall be of identical height and depth.
   d. High gloss vinyl (plastic) awnings, backlit, and metal awnings are prohibited. These awnings, because of their high visibility, become attention-getting devices - such as a *Sign*, rather than means to provide comfort and protection for the pedestrian. Such awnings overwhelm the appearance of the buildings they are attached to, detracting from architectural qualities. Awnings that incorporate subtle down-lighting in a manner which creates a discreet peripheral washing of the awning, may be appropriate in some instances.
   e. Metal awnings should be contemporary in design and shall be subject to the same restrictions and guidelines as other awning materials.
   f. Awnings shall be maintained in good repair, free from tears, fading or peeling.
   g. Awnings may be supported by poles and connected to the building underneath.
   h. Awnings needing vertical support columns are prohibited in the setback area.
   i. The awnings on corner buildings shall continue around the corner for compatibility with building form and pedestrian patterns, wherever possible.

j. Awnings shall not to be used where there is an existing projecting concrete sunscreen, except that a vertical awning valance may be suspended below the sunscreen with a clear height of eight feet above the sidewalk.

k. Awnings should utilize color schemes that blend with those of neighboring developments as well as consistency in color schemes for the site. Accent colors should be chosen to enhance architectural details. Solid color and broad striped fabric patterns are preferred.

2. Awnings and Canopies in the T6-24 and T6-30 District see Chapter 15, *Section 15.2.E.9*.

B. *Boats, docks, and piers.*

Dockage space and facilities for the mooring of pleasure boats, yachts and other noncommercial watercraft may be permitted in any *Residential District* on any waterway as an *Accessory Use*, provided that:

1. No boat may be used or maintained for overnight sleeping or living purposes or as a place of residence.
2. No boat may be used for any commercial purpose.
3. Docks shall be constructed and permitted according to *Section 9.12*.
4. All the regulations, standards, and requirements of *Chapter 150* and *Section 9.12* of the Village Code shall be complied with.
5. Barges and vessels shall be permitted in residential districts only for loading, unloading and on-site construction, in compliance with *Chapter 150* and *Section 9.12*.
6. Floating vessel platforms, floating boat lifts, floating docks, or similar temporary moorings may be installed and maintained in accordance with Miami-Dade County *Section 24-48* Class 1 permit requirements, if required.
7. Unencapsulated expanded polystyrene floating docks, floating platforms, and 65 buoys are prohibited to be used or placed in any of the waters and waterways 66 within the jurisdiction of the *Village.* This provision shall not apply to county, State, 67 or federal government entities.
8. Floating vessel platforms, floating boat lifts, floating docks, or similar temporary moorings shall not be maintained in an unsightly appearance, badly deteriorated condition, in a condition which is likely to cause damage to public or private property, or in a manner which may be a menace to navigation.

C. *Clotheslines.*

Clotheslines are regulated according to *Sec. 8.30.* No clotheslines, drying racks, poles, railings, or other similar devices for hanging clothes, rags, or other fabrics shall be erected or maintained in a front or corner side yard.

D. *Construction materials on premises before permit issued, removal of materials.*

1. Construction materials and equipment shall not be deposited on any premises, lot, or proposed building site in any district prior to the obtaining of a building permit as required herein.

2. Surplus materials and construction equipment shall be removed from the premises if the job is abandoned, and before occupancy of the completed structure will be permitted.

E. *Dumpster enclosures.*

1. Mechanical equipment is necessary to the function of the *Buildings*, which comprise a successful development. Unfortunately, space must be found for components that are sometimes large, noisy, and unsightly. Mechanical equipment, particularly when added after the building is in use, can interrupt the streetscape and public views, decreasing the comfort and livability throughout the area. Enclosures and mechanical rooms shall conform to the following criteria:

   a. When associated with new construction or rehabilitation valued at more than 30 percent of the building value as determined by the *Building Official*:

      (1) *Restaurant* and/or *Drinking Uses*, trash and garbage facilities shall be within an enclosed, air-conditioned garbage room; and

      (2) Commercial, office or multifamily uses, trash and garbage facilities shall be within an enclosed, cross-ventilated garbage room.

   b. When located outside of the *Building*, the trash and garbage facilities shall be enclosed within a decorative CBS, wood, metal or recycled products material, opaque structure. The *Structure* (including opaque gates) shall be painted or finished to match the building's appearance. No such containers shall be kept, utilized, left stored or maintained in front of any *Principal Structure*, except on collection day.

   c. Dumpster enclosures shall be located in visually obscure areas of the site and shall be designed in a manner as to visually screen the dumpster from adjacent view and shall include a dumpster locking device on containers that include food waste to prevent access to the dumpster by birds or rodents.

   d. Dumpster enclosures shall be placed in such a manner as to allow sanitation trucks to pick up garbage in a manner they are designed for.

   e. Roof-mounted mechanical equipment and elevator shafts shall be screened by a parapet wall or grilles and shall be painted in muted colors or match the *Building* and shall not be visible from the *Street*.

   f. All service bays, mechanical (HVAC) equipment and delivery areas should be located away from and not visible from the streets, waterways, sidewalks, and adjacent properties.

   g. Service bays, ground-mounted air conditioning units, and other mechanical equipment shall be screened from public and on-site pedestrian view and buffered.

h. Exterior service bays and delivery areas should not be used for the storage of vehicles or materials.

F. *Fences, walls, and hedges.*

1. When required

a. An eight-foot high wall, hedge, or *Fence* shall be required along all side and rear commercial property lines which are contiguous to a residential zoned property, subject to vision clearance requirements established elsewhere in this section. For additional fence, wall, hedge and street screening requirements in the T6-24 and T6-30 transect zone, refer to Chapter 15, *Section 15.3*.

b. All permitted outdoor storage areas in multifamily residential and commercial zones shall be visually screened from public view by an eight-foot-high solid wood or masonry fence or wall.

c. Fences or walls to be built in connection with other permitted recreational uses such as baseball backstops, tennis courts, handball courts, and the like shall be permitted at the height necessary for the particular use.

d. Concrete Block Walls. No fence, solid contiguous wall or ledge consisting of blocks or concrete shall be erected, constructed, installed, or maintained in any manner parallel to the 79th Street Causeway.

2. Prohibitions

a. No fence, wall, or hedge may be constructed, installed, or maintained within six feet of any fire hydrant or other emergency apparatus.

b. No fence, wall, or hedge may be constructed, installed, or maintained which in any manner creates a visual obstruction to vehicular traffic. In no event shall any fence which obstructs or obscures vision, or any wall or hedge exceed four feet in height within 30 feet of the intersection of official *Right-of-Way* lines.

c. No wall or fence shall exceed five (5) feet in height within any required front yard setback, provided such fence or wall does not create a visual obstruction to pedestrian or vehicular traffic. For fences on corner lots, both street frontages shall be considered *Front Yards*. Additionally:

(1) Landscaping shall be required on the street side of any such wall or fence and the entire width of the landscape bed shall be at least ~~18~~ 24 inches for the entire length of the fence of wall, excluding gated sections.

(2) Any concrete wall or concrete block wall shall be sustained in a finished condition.

d. Hedge heights shall not exceed twelve (12) feet in height in the front, rear and side setbacks in the RS-1 and RS-2 Districts, provided that:

(1) Such hedges do not interfere with vehicular traffic or visibility on public *Right-of-Way*;

(2) Such hedges are neatly trimmed;

(3) ~~The property owner responsible for planting the hedge shall maintain the entire hedge, including the sides facing the neighboring properties in order avoid any hindrance to said neighboring property.~~

~~(4)~~ Hedge planting is strictly prohibited within the *Village* right-of-way or *Easement* area.

e. Walls and fences in the rear and side *Setbacks* shall not exceed ~~a~~ height of six feet.

f. No chain link, wire or cable fencing or fences similar in appearance to any of the foregoing~~,~~ will be permitted within *Front Setbacks*. (This includes all areas past the front edge of the house running towards the *Street*).
(1) There shall be no grandfathering of chain link fencing within the *Front Yard*, *Street Side Yard* or visible from the *Right-of-Way* for any property.

g. Ornamental entrances, fountains, plant containers, and similar architectural features exceeding the wall height restriction will be permitted, provided that:
(1) No such feature shall exceed in height the wall height restriction for that district plus three feet; and

(2) There shall be only one such feature in any front, side, or rear *Yard*, except that there may be two entrance gates.

h. Planting of vegetation in *Easement* areas shall conform to the following:
(1) No trees may be planted within any easement or public right-of-way area as shown on the recorded *Plats* of the various subdivisions of the Village ("easement areas").
(a) Nothing in this section shall be construed to prohibit the planting of low growth landscaping in the easement or right-of-way areas ("easement landscaping").

(b) Easement or right-of-way landscaping is subject to removal by the Village without notice in the event that this landscaping impedes access to these areas. The Village shall not be responsible for damage to the removed landscaping;

(c) Prior to planting such easement landscaping in easement areas, the property owner shall execute a permission for removal, release and indemnification agreement, in a form acceptable to the Village, pertaining to such easement.

(d) Street trees may be placed on private property.

~~i. For single family properties on North Bay Island. The linear footage of any property's street front Village easement or right-of-way area must maintain a greenspace (pervious) area whereby the permissible paved area is to be limited to only 40 percent of that total linear footage.~~
~~(1) The protected greenspace shall be restricted from any paving materials including~~

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~~but not limited to asphalt, concrete, brick, pavers, gravel, or solid cover of mulch.~~

~~(2) The depth of that protected pervious area must be maintained at full easement depth from the street to the property boundaries.~~

~~(3) Any paving of the property frontage beyond the easement area (within front yard), and greater than 40 percent of the permitted linear footage must create a green landscape facade to decrease the sight line of that paved surface from the street view.~~

~~j. For single family properties on all islands.~~

~~(1) Front yard area may be paved up to 40 percent of the total linear footage.~~

~~(2) The balance of footage may only be paved if a greenspace is created between the Village's sidewalk and the paved area, for a depth of no less than 48 inches, and heavily landscaped to create green landscape facade to decrease the sight line of that paved surface from the street.~~

~~k. Nonconforming uses of land.~~

~~The lawful use of land existing at the time of the passage of this ordinance or an amendment thereto, although such uses do not conform to the provisions of this ordinance, may be continued subject to the following provisions:~~

~~(1) Front yard areas may not be increased in paved areas.~~

~~(2) All rights and obligations subject to the nonconforming use of the land run with the land and are not personal to the present owner or tenant of the nonconforming use of land and are not affected by a change in ownership or tenancy.~~

3. General requirements

a. Construction and materials.

(1) No fence or wall may be constructed of materials which will be hazardous to the health, safety, or welfare of persons or animals.

(2) Fences which are erected with sheathing, pickets, or slats on one side only shall have such materials placed on the side of the fence facing the adjacent property in such a manner as to conceal the structural elements of the fence from off premises view.

(3) Walls or fences constructed of concrete block shall be constructed so that the side facing away from the property on which the wall or fence is located shall be finished with stucco or some other approved material.

b. Maintenance. All fences, walls, and hedges shall be maintained in a safe, attractive, and non-hazardous condition.

(1) Hedges shall not extend over or into the public *Right-of-Way* for the full height of the hedge.

(2) Maximum height.

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(a) No fence or wall shall exceed six (6) feet in height and no hedge shall exceed six feet except as may be permitted or further restricted elsewhere in this ~~s~~Section.

(b) The height of a wall, fence, or hedge shall be the vertical distance measured from the average elevation of the finished *Building* site to the top of the *Wall*, *Fence*, or hedge.

(c) The average elevation shall be measured along the wall, fence, or hedge line that the same is to be placed.

(d) The *Land* within the area which the wall, fence, or hedge is to be placed may not be increased or decreased to affect the permitted height unless the entire building site is to be graded to level off this area.

4. ~~*Temporary fence around construction site*~~ Temporary fence around construction site. Nothing in this ~~s~~Section shall be deemed to prohibit the erection and maintenance of a temporary fence around construction sites on which actual construction activity is taking place pursuant to a valid active building permit.
   a. The temporary fence shall be chain link, mesh, aluminum, or such other material as may be approved by the *Village Manager* or ~~his/her~~ a designee and the Building Permit. The temporary fence must provide screening with the applicable approved design for the specific zoning district which was approved by the *Village* Manager or is/her designee. Screening material may be made of mesh, aluminum, or such other material as may be approved by the Village Manager or ~~his/her~~ a designee and the *Building Official*. Material shall not be affixed to a temporary fence which can easily separate or detach from the fence due to a weather or nonweather event.
   b. In the RS-1 and RS-2 zoning districts, temporary fences shall ~~be~~ not exceed eight (8) feet in height. Notwithstanding the foregoing, where a property fronts Kennedy Causeway, the temporary fence shall be six (6) feet in height on the portion of the site facing Kennedy Causeway.
   c. In all zoning districts except the RS-1 and RS-2 districts, ~~S~~screening material used on temporary fences may contain advertising signage on ~~the~~ those portions of the ~~site~~ fence facing a ~~major thoroughfare~~ (street frontage ~~of the site)~~ to identify the nature of the property's development, contractor information, leasing information, corporate logos, and renditions of the future development, with no more than fifty percent (50%) of the total screening on each frontage used for advertising. The remainder 50% of the screen shall contain the branded design approved by the Village for the specific zoning district.
   d. Temporary fence and screening plans must be submitted to the *Building Department* and reviewed by the *Planning and Zoning Department*. ~~The Building Department shall transmit temporary fence and screening plans to the Community Enhancement *Board* upon submission by the applicant. The Community Enhancement Board shall~~

~~review and make recommendations to the Village Manager relating to the aesthetic compatibility of Village Brand Guide elements contained in the temporary fence and screening plans within thirsty (30) days of transmittal of the application.~~ The Village Manager or ~~his/her~~ a designee ~~has~~ shall have the authority to approve designs providing artistic variations of the Village's brand and waive any requirements pertaining to temporary construction fences and screening in this section.

e. Properties ~~will be provided~~ shall have ~~sixty~~ forty-five (45) days to comply with the requirements in this Section~~, and any additional designs approved by the *Village Manager* or his/her designee in the future~~. Violations of this section shall be enforced in accordance with *Chapter 153* of the Village Code.

f. These regulations shall also be applicable to properties located within the transect zones, which are otherwise governed by *Chapter 15*.

5. Existing nonconforming fences and/or walls; removal.

a. Intent. It is the intent of this division to recognize that the eventual elimination of existing fences, that do not conform with the provisions of this ~~c~~Chapter, in as expeditious a manner as is reasonable, is as much a subject of the health, safety, and welfare of the citizens of the *Village* as is the prohibition of new fences that would violate the provisions of these regulations. It is also the intent of this division that there shall not be any unreasonable burden upon established private property rights.

b. Continuance. Subject to the amortization schedule below, a nonconforming fence may be continued and shall be maintained in good condition, but shall not be:

(1) Enlarged or changed to another nonconforming fence.

(2) Reestablished after its removal.

(3) Reestablished after being damaged or deteriorated whereby the estimated expense of reconstruction exceeds 50 percent of the appraised replacement cost.

c. It shall be the responsibility of the *Code Enforcement Officer* to make an inventory and a record of all nonconforming fences and to serve notice on the owners or users of such fences within 30 days after the adoption of these regulations. The period of nonconformity shall nonetheless begin as of the date of the passing of this division. The inventory shall include the following:

(1) Owner.

(2) Type of fence

(3) Location.

(4) Reason for classification as nonconforming.

(5) Date fence was erected.

6. Fences, privacy walls, and hedges for government uses and facilities.
   a. Applicability. This ~~s~~Section applies to fences, privacy walls and hedges erected by a governmental entity for a governmental use including, but not limited to, parks, recreation areas, government offices, utility facilities, parking, or storage sites.
   b. Approval. Governmental entities other than North Bay Village may only be approved for fences, privacy walls and hedges according to this Section by the *Village Commission* at public hearing, following a recommendation by the *Village Planning and Zoning Board*.
   c. Location. Fences, privacy walls, and hedges installed in any location on the subject property as necessary to ensure safety and compatibility.
   d. Height. Fences, privacy walls, and hedges may be installed at heights necessary to ensure safety and compatibility.
   e. Materials. Fences and privacy walls may be constructed with materials which are necessary to ensure safety and compatibility, including but not limited to, chain link, wood, masonry, and vinyl.
7. Vacant lot fencing.
   a. All vacant lots shall be fenced and have the following requirements:
      (1) The fence shall be chain link and must provide mesh screening with the applicable approved design for the specific zoning district which was approved by the Village Manager or ~~his/her~~ designee. In no event shall the fence exceed six (6) feet in height. The *Village Manager* has the authority to waive any requirements pertaining to vacant lots in this Section.
      (2) Vacant lots shall be inspected every calendar year by *Code Enforcement* or the *Building Department* to ensure the fence remains structurally sound and in good repair. Vacant lot property owners shall be required to pay a $250.00 yearly fee for the inspection.

G. *Height exceptions.*
1. ~~Church~~ *House of Worship* steeples, bell towers, chimneys, tanks, decorative features, roof access stairway or elevator not to exceed 100 square feet of enclosed area, elevator lift housing, air conditioning units, or other mechanical or functional features may exceed zoning district height requirements, except as may be otherwise stipulated herein. Stairway and elevator bulkheads shall be located as close to the center of the roof as possible and be visually recessive such that they do not become vertical extensions of exterior building elevations.
2. Rooftop *Solar Photovoltaic* or *Solar Water Heater* systems may exceed the permissible height limit in any district by not more than five (5) feet. Rooftop solar photovoltaic or solar water heater systems are not required to be screened.
3. The structural components of a *Green Roof* (non-vegetative components) may exceed the permissible height limit in any district by not more than five (5) feet. The external

perimeters of green roof systems are required to be aesthetically compatible with the building exterior and screening may be required and will be determined on a case-by-case basis by the *Public Works Director* or designee.

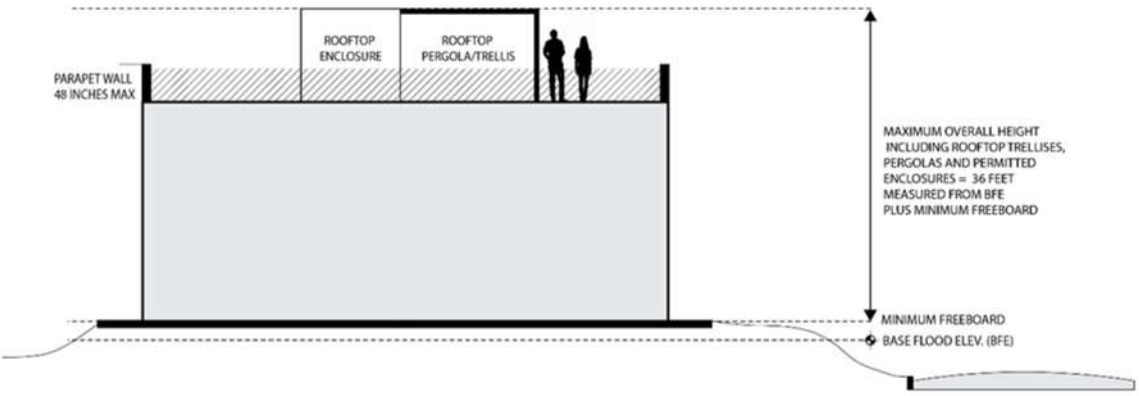
4. The top of a wind turbine may exceed the permissible height limit in any district by not more than ten (10) feet. *Wind Turbines* are not required to be screened. Wind turbines exceeding this height will require an approval through the variance process established in *Chapter 7.*

5. Parapet wall railings associated with a roof deck or terrace, not to exceed 48 inches above the finished roof deck height.

6. Rooftop decks and terraces, not to exceed six (6) inches above the main roofline. Built in planters, gardens, or similar landscaping areas, not to exceed 3.5 feet above the finished roof deck height, may be permitted immediately abutting the roof deck area. All landscape material shall be appropriately secured.

7. Rooftop trellises or pergolas, provided such structures have a roof of cross rafters or latticework and the area covered is no more than 50% of the terrace or deck area allowed in *Subsection 8.16.A.1.a.(5)(a).* Trellises and pergolas shall be appropriately secured against an elevator or staircase or as required by the *Florida Building Code*.

8. In the RS-1 district, the following shall apply:
   a. The overall height of a *Building* and any rooftop structures including trellises, pergolas, stairway/elevator bulkheads, or rooftop enclosures permitted in accordance with *Subsection 8.16.A.1.a.5.(b)*, shall not exceed 36 feet measured from *BFE* plus required freeboard.



H. *Outdoor dining and sidewalk cafes.*

1. Café tables in the *Right-of-Way* can bring activity to the *Street*. They can provide a wonderful means of people-watching for diners and pedestrians. Consideration should be given to unification of these elements within a block from street to street.

2. *Restaurants* and *Bars* are also encouraged to provide outdoor service in courtyards or arcades.

3. Sidewalk cafés on the public right-of-way may be allowed upon approval by the *Village Commission*.

4. Outdoor restaurants, bars or sidewalk cafés must be associated with an adjacent licensed restaurant and comply with all other zoning regulations and conform to the following criteria:

   a. An application for a warrant pursuant to Sec. 15.1.H.4 must be filed with the *Village Manager*, or ~~his/her~~a designee, for administrative review and approval, which shall include:

      (1) Layout of all tables, chairs, benches, and other furniture;

      (2) Pedestrian ingress and egress; and

      (3) Location of refuse containers; and other elements necessary to illustrate the proposed outdoor seating/dining use and area (all drawings must be titled, indicate orientation, and be at an acceptable scale).

   b. Outdoor seating/dining areas and uses of the public *Right-of-Way* and/or any private property may be approved, denied, or approved with conditions, modifications, safeguards, or stipulations appropriately and reasonably related to the intent, purposes, standards, and requirements of the related regulations by the *Village Manager*.

      (1) Such permit shall not be transferable in any manner and is strictly a ~~conditional use~~ warrant permit, valid for a period of one year, renewable annually via payment of the annual occupational license fee for such outdoor seating/dining uses.

      (2) The fee for outdoor dining/seating use and area will be charged annually in accordance with the Village's adopted *Fee Schedule*, as may be amended from time to time; the permit fee shall be added to the occupational license fee for the main business.

   c. The applicant shall provide an indemnity agreement that is acceptable to the Village Manager. This agreement will include specification of liability insurance to be provided.

   d. The ~~conditional use~~ warrant permitting of outdoor seating/dining use and area may be revoked by the Village Manager or ~~his/her~~ designee, upon finding that:

      (1) One or more conditions of these regulations have been violated, or

      (2) That the outdoor seating/dining area and use are being operated in a manner that constitutes a public nuisance, or in any way that constitutes a reasonable risk of potential liability to the *Village*.

   e. Outdoor seating/dining use and area may be temporarily suspended by the Village for public use/purpose, utility, sidewalk or road repairs, emergency situations, or violations of provisions contained herein.

f. The length of suspension shall be determined by the Village Manager as necessary.

g. Removal of all street furniture and related obstructions shall be the responsibility of the owner/operator of the outdoor seating/dining.

h. Outdoor seating/dining area shall be kept in a neat and orderly appearance and shall be kept free from refuse and debris. The applicant shall be responsible for daily cleaning and sweeping of the outdoor seating/dining area and for the cleanliness and maintenance of any outdoor planters immediately adjacent to the outdoor seating/dining area.

i. Use of Village sidewalks for trash and garbage removal shall be prohibited.

j. Outdoor seating/dining use and area shall not interfere with the free and unobstructed pedestrian or vehicular circulation of traffic, public access to any *Street* intersections, crosswalks, public seating areas and conveniences, bus stops, *Alleys*, service *Easements*, handicap facilities, or access to any other commercial establishments.

k. If there is seating on one side of the sidewalk, a minimum of five (5) feet of sidewalk must remain clear and unobstructed for pedestrian passage;

l. Outdoor seating/dining area on the public *Rights-of-Way* shall be open and unenclosed. No building structures of any kind shall be allowed in and over any portion of the outdoor seating/dining area located on public property.

m. Tables, chairs, and all other furniture used in the operation of an outdoor seating/dining area shall not be anchored or restrained in any manner.

n. Individual table umbrellas, planters, or other such non-stationary elements may be permitted within the outdoor seating/dining area and where applicable, shall have a minimum clearance height of seven (7) feet above *Grade*.

o. Outdoor seating/dining use and area shall be restricted to the length of the sidewalk or public right-of-way immediately fronting the cafe or other establishment

p. Outdoor seating/dining area shall be at the same elevation as the adjoining sidewalk or public right-of-way.

q. Carts and trays for serving food are permitted in the outdoor seating/dining area.

r. Outdoor seating/dining use and area shall not be provided with amplified sound of any kind.

s. Outdoor seating/dining areas may serve *Alcoholic Beverages* where such service is strictly incidental to the service of food and from a service bar only; provided:
   (1) No entertainment of any kind is furnished.
   (2) No sign of any type or character shall be exhibited or displayed to the outside denoting that alcoholic beverages are obtainable within.

t. Any administrative decision may be appealed to the *Village Commission* in accordance with the requirements of this Code.

u. The hours of operation shall coincide with ~~that~~ those of the primary *Restaurant*.

v. Placement of tables, chairs, and related equipment shall be situated to ensure that a minimum of five feet straight pathway on the sidewalk is maintained at all times as an unobstructed pedestrian path.

w. Serving through windows is not permitted.

x. Food preparation shall only occur in the enclosed Restaurant.

y. Because tables provide sufficient advertisement, no additional *Signs* for sidewalk café are permitted.

z. Outdoor furniture shall be substantial enough not to blow over with normal winds.

aa. All outdoor furniture and fixtures shall be tastefully compatible and approved by the *Planning and Zoning Official*.

bb. All disposable table materials such as plates, glasses, and napkins shall be imprinted with the name of the café (stickers may be used). This regulation is to control litter.

cc. Sidewalk cafés shall receive a revocable permit subject to the procedures established by the *Village*.

l. *Recreational and camping equipment.*

Recreational and camping equipment in the form of travel and camping trailers, truck trailers, and motor travel homes, designed and used as temporary living quarters for recreation, camping, or travel use may be parked in the open on sites containing single-family residences, subject to the following conditions:

1. No more than one piece of recreation or camping equipment shall be parked on the site.
2. Such parking shall be limited to the equipment owned or leased by the owner-occupant or occupant-lessee of the site concerned, or owned or leased by a bona fide out-of-Miami-Dade County house guest of the occupant of the site concerned, with the parking of such equipment by the guest not to exceed 14 days.
3. The location for such parked equipment shall be to the rear of the front building line and behind the side street building line, in each case the building line referred to being that portion furthest from the *Street*.
4. Such equipment and the area of parking shall be maintained in a clean, neat, and presentable manner and the equipment shall be in a usable condition at all times.
5. Such equipment shall, at all times, have attached a current vehicle registration license tag.
6. No major repairs or overhaul work on such equipment shall be made or performed on the site or any other work performed thereon which would constitute a nuisance under

existing ordinances.

7. When parked on the site, such equipment shall not:
   a. Be used for living or sleeping quarters~~,~~; or
   b. Be used for housekeeping or storage purposes; and
   c. Shall not have attached thereto any service connection lines, except as may periodically be required to maintain the equipment.
8. The maximum length permitted for such equipment shall not exceed 30 feet and the maximum height shall not exceed ~~ten~~10 feet.
9. Such equipment shall be so secured that it will not be a hazard or menace during high winds or a hurricane.

J. *Safe and sanitary dwelling unit standards.*

The following shall be the minimum standards to be enforced in North Bay Village relative to the safe and sanitary maintenance of *Dwellings* and *Dwelling Units*:

1. All foundation walls shall be structurally sound, reasonably rodent-proof, and maintained in good repair.
2. Foundation walls shall be considered to be sound if they are capable of bearing imposed loads and are not deteriorated.
3. Every dwelling unit shall be reasonably weathertight, watertight, and rodent-proof.
   a. Floors, walls, ceilings, and roofs shall be capable of affording adequate shelter and privacy and shall be kept in good repair.
   b. Windows and exterior doors shall be reasonably weathertight, watertight, and rodent proof, and shall be maintained in good working condition.
   c. All parts of the structure that show evidence of rot or other deterioration shall be repaired or replaced.
4. Every inside and outside stairway, porch, and every appurtenance thereto, shall be maintained in a safe condition and be capable of supporting loads which normal use may impose.
5. Every chimney and smoke pipe, and all flue and vent attachments thereto, shall be maintained in such condition that there will be no leakage or backing up of smoke and noxious gases into the *Dwelling*.
6. All exterior surfaces subject to deterioration shall be properly maintained and protected from the elements by paint or other approved protective coating applied in a ~~workmanlike~~ professional fashion.
7. Every plumbing fixture, water pipe, waste pipe, and drain shall be maintained in good sanitary working condition, free from defects, leaks, and obstructions.
8. The floor surface of every water closet compartment, bathroom, and shower room shall be maintained so as to be reasonably impervious to water and so as to permit such floor

to be easily kept in a clean and sanitary condition.

9. Every supplied facility, piece of equipment, or utility shall be maintained in a safe and satisfactory working condition.

10. No owner or occupant shall cause any service, facility, equipment, or utility required to be removed from or discontinued for any occupied *Dwellings* and *Dwelling Units* except for such temporary interruption as may be necessary while actual repairs, replacement, or alterations are in process.

11. For these purposes, every owner of a *Building* containing three or more *Dwelling Units*, shall provide the continuing service of a person or persons solely to assure that the minimum requirements of maintenance and sanitation, as provided herein are maintained on the premises at all times.

12. The provisions of the Miami-Dade County *Minimum Housing Code* shall apply as a minimum standard for *Village* enforcement.

K. *Security guards.*

1. Definitions: The term security guards shall be synonymous with burglar guards and shall refer to steel bars commonly installed on the exterior or interior of doors or entryways and windows or breezeways or private residences, including free standing as well as multifamily residences and commercial and industrial *Buildings*.

2. No security guards may be installed on the exterior of doors and entryways, windows and breezeways on front and side elevations of buildings which face a *Street* or *Public Right-of-Way*.

3. Continuance and removal of nonconforming security guards.
   a. A nonconforming security guard (one which is in existence at the effective date of this section) may be maintained and continued in use as a legal nonconforming use.
   b. However, no such security guard may be enlarged or replaced by another nonconforming device.
   c. At such time as title to the property changes, all nonconforming security guards shall be removed.
   d. Title change shall be defined to mean any change of record ownership, other than by survival or by inheritance of a tenant by the entreaties.

L. *Setback encroachments.*

Every part of every required front, side, and rear *Yard Setback* shall be open and unobstructed from the ground to the sky except as herein provided. For additional regulations specific to the T6-24 and T6-30 transect zone, see Chapter 15, Section 15.3.2. *Section 15.7.B* and *C.* The impervious surface area of any encroachment permitted herein shall be included in the calculation of maximum lot coverage, unless specified otherwise in this ULDC.

1. Cornices, roof overhangs, window air conditioning units, *Awnings*, chimneys, and sills may extend into a required side or rear yard, provided any such extension does not

exceed 36 inches into the required yard.

2. Balconies shall be permitted to project to a maximum distance of 48 inches into the required *Yard*, provided ~~there is a seven foot (7') clear span~~ there is a minimum clearance of eight (8) feet from the bottom of the balcony to the ground.

3. Fences and privacy walls as provided in ~~Section 8.13(F)~~ *Section 8.17.F.*

4. Swimming pool, spa, hot tubs, and ~~pool~~ associated deckings~~s~~ as provided in ~~Section 8.13(M)~~. *Section 8.17.M*

5. Signs as provided in *Chapter 11*.

6. Landscaping retaining *Walls*, parking curbs/bumpers, and other similar features, provided they do not exceed ~~less than~~ 6 inches in height. Pedestrian walkways, footpaths, and steps shall be set back a minimum of two (2) feet from any property line.

7. Light poles and flag poles as provided in *Section 8.13(N)*

8. Patios and terraces at the ground level may extend into a side or rear yard setback area a maximum of eighteen (18) inches, provided they do not exceed 6 inches in height from grade.

9. In single family districts only, the following additional setback encroachments are allowed:
   a. Ground mounted mechanical equipment, including air conditioning equipment, pool equipment, heat pumps, water heaters, generators, and other similar equipment, may be placed in a side *Yard Setback* area; provided the unobstructed side setback area is not reduced by more than 50 percent of what is required in the *Zoning District* regulations and provided the equipment placed in the setback area does not operate above 70 decibels.
   b. A garden window for the cultivation of small plants may extend into the *Setback* area not more than 24 inches.
   c. Tiki huts, pergolas, trellises and sheds, where allowed, may extend into the *Setback* area a maximum of eighteen (18) inches, provided they not exceed a maximum height of ten (10) feet above grade.

10. In all zoning districts other than *Single Family*, the following additional setback encroachments are allowed:
    a. A canopy shall be permitted to extend from the entrance door to the *Front Property Line* provided:
       (1) The canopy does not exceed 12 feet in height or be screened or enclosed in any manner; and
       (2) The canopy shall be required to be removed during hurricane warning periods.
       (3) A clear space is provided between the grade and the bottom of the valance of at least six and one-half feet.

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(4) Additional awning/canopy requirements of ~~s~~*Section 8.13(A)* shall be complied with.

b. An entrance feature/port cochere may extend from the entrance door into the *Front Setback* area provided:

(1) Support columns may not be placed closer than 7 feet to the *Property Line*.

(2) At least 14.5 feet of vertical clearance shall be provided.

(3) The width of the entry feature/port cochere shall not exceed twenty-five (25) feet or twenty percent (20%) of the subject *Property Frontage* width, whichever is greater.

(4) The entrance feature/port cochere may extend from the entrance door to the front property line, or a distance of 35 feet, whichever is more restrictive.

c. Tiki huts, pergolas, trellises located at ground level may extend into a side or rear *Setback* area a maximum of twenty-four (24) inches, provided they do not encroach onto a required Island Walk or View Corridor easement, nor exceed a maximum height of twelve (12) feet above grade.

M. *Swimming pools, spas and hot tubs*.

1. Purpose and intent. The *Legislature* finds that drowning is the leading cause of death of young children in this ~~s~~State and is also a significant cause of death for medically frail elderly persons in this ~~s~~State, that constant adult supervision is the key to accomplishing the objective of reducing the number of submersion incidents, and that when lapses in supervision occur a pool safety feature designed to deny, delay, or detect unsupervised entry to the swimming pool, spa or hot tub will reduce drowning and near-drowning incident.

   In addition to the incalculable human cost of the submersion incidents, the health care costs, loss of lifetime productivity, and legal and administrative expenses associated with drowning of young children and medically frail elderly persons in this ~~s~~State each year and the lifetime costs for the care and treatment of young children who have suffered brain disability due to near-drowning incident each year is enormous.

2. Standards and requirements.

   a. Any *Swimming Pool*, spa or hot tub operated by a residential homeowner, ~~or~~ condominium association, or by the resident of a *Single-Family Dwelling* shall be permitted as an *Accessory Use* and shall exist only in conjunction with the *Principal Use* on the same *Lot*, subject to the regulations stated herein.

   b. ~~A swimming pool may be permitted in any rear yard; however, in no instance shall it be located nearer than the following distances from any property line or structure:~~ Swimming pools, spas and hot tubs shall have minimum *Setbacks*, which shall be measured from the waterline to the property line, as follows:

Setback	Distance (Feet)

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Front	25
Side (interior)	7.5
Rear or Easement	7.5
Structure	5
Side (corner)	15

c. Decking surrounding a swimming pool, spa or hot tub shall provide a minimum setback of 2.5 feet from any property line.

d. Screen enclosures. Screen enclosures shall be limited in height to twelve (12) feet from finished grade and shall be subject to the following setbacks:

Setback	**Distance (Feet)**
Front	Not permitted
Rear or Easement	2.5
Side (interior)	5
Side (corner)	10

~~Access. Exterior access to a swimming pool shall be through a self-closing and self-latching gate with latches placed at least four feet above grade and operable from the pool area only.~~

~~d~~e. Drainage. If a patio is provided adjacent to or surrounding a swimming pool, spa or hot tub, it shall be designed so as to be self-draining away from the ~~pool~~structure.

~~e~~f. Lighting. Artificial lighting used to illuminate the premises shall be shielded and directed away from adjacent properties and streets, shining only on the subject site.

~~f~~g. Height. Swimming pools, spas, hot tubs, and appurtenances shall not exceed a height of two (2) feet above finished *Grade*.

~~g~~h. Additional requirements. In addition to the foregoing requirements, all regulations and standards of *Sections 151.01* through *151.18* of the Village's Code of Ordinances, and the *Florida Building Code* shall be complied with.

3. Safety features and b~~B~~arriers ~~for swimming pools, spas and hot tubs required~~. ~~Barriers must be placed around the perimeter of the pool, spa or hot tub and must be separate from any Fence, Wall, or other enclosure surrounding the Yard unless the fence, wall, or other enclosure or portion thereof is situated on the perimeter of the pool, spa or hot tub that is being used as part of the barrier, and meets the barrier requirements of this cChapter, cChapter 151 of this Code, and the Florida Building Code~~

a. All residential swimming pools, spas and hot tubs must meet the following:

(1) At least one of the requirements relating to pool safety features required by

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Section 515.27, as amended.

(2) All the barrier requirements of Section 515.29, Florida Statutes.

~~a. Barrier construction~~

~~(1) A Wall of a Dwelling may serve as part of the barrier if it does not contain any door or window that opens to provide direct access from the home to the swimming pool, spa, or hot tub.~~

~~(2) Where a wall of a dwelling serves as part of the barrier, one of the following shall apply:~~

~~(a) All doors and windows providing direct access from the home to the pool, spa, or hot tub shall be equipped with an exit alarm complying with this chapter and chapter 151 of this Village's Code, as well as the Florida Building Code that has a minimum sound pressure rating of 85 dB.~~

~~(b) At 10 feet the exit alarm shall produce a continuous audible warning when the door and its screen are opened.~~

~~i. The alarm shall sound immediately after the door is opened and be capable of being heard throughout the house during normal household activities.~~

~~ii. The alarm shall be equipped with a manual means to temporarily deactivate the alarm for a single opening. Such deactivation shall last no more than 15 seconds.~~

~~iii. The deactivation switch shall be located at least 54 inches above the threshold of the door.~~

~~iv. Separate alarms are not required for each door or window if sensors~~ are ~~wired to a central alarm sound when contact is broken at any opening.~~

~~(c) All doors providing direct access form the home to the pool, spa or hot but must be equipped with a self-closing, self-latching device with positive mechanical latching/locking installed a minimum of 54 inches above the threshold, which is approved by the authority having jurisdiction.~~

~~(d) Exceptions:~~

~~i. Screened or protected windows having a bottom sill *Height* of 48 inches or more measured from the interior finished floor at the pool, spa, or hot tub access level.~~

~~ii. Windows facing the pool, spa, or hot tub on floor above the first story. Screened or protected pass-through kitchen windows 42 inches or higher with a counter beneath.~~

~~(3) The top of the barrier shall be at least 48 inches above grade measured on the side of the barrier which faces away from the swimming pool, spa and/or hot tub.~~

~~(4) The maximum vertical clearance between grade and the bottom of the barrier~~

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~~shall be 2 inches measured on the side of the barrier which faces away from the swimming pool, spa and/or hot tub.~~

~~(5) Where the top of the pool, spa, or hot tub structure is above grade, the barrier may be at ground level or mounted on top of the pool, spa or hot tub structure.~~

~~(6) Where the barrier is mounted on top of the pool, spa, or hot tub structure, the maximum vertical clearance between the top of the pool, spa, or hot tub structure and the bottom of the barrier shall be 4 inches.~~

~~(7) Maximum mesh size for chain link fences shall be a 2¼ inch square unless the fence is provided with slats fastened at the top or bottom which reduce the openings to no more than 1¾ inches. A mesh safety barrier meeting the following minimum requirements shall be considered a barrier as defined in this section:~~

~~(a) Individual component vertical support posts shall be capable of resisting a minimum of 52 pounds (229 N) of horizontal force prior to breakage when measured at a 36-inch height above grade.~~

~~(b) Vertical posts of the child mesh safety barrier shall extend a minimum of 3 inches below deck level and shall be spaced no greater than 36 inches apart.~~

~~(c) The mesh utilized in the barrier shall have a minimum tensile strength according to ASTM D 5034 of 100 lbf., and a minimum ball burst strength according to ASTM D 3787 of 150 lbf. The mesh shall not be capable of deformation such that a ¼ inch round object could pass through the mesh. The mesh shall receive a descriptive performance rating of no less than "trace discoloration" or "slight discoloration" when tested according to ASTM G 53 (Weatherability, 1,200 hours).~~

~~(d) When using a molding strip to attach the mesh to the vertical posts, this strip shall contain, at a minimum, #8 by percent-inch screws with a minimum of two screws at the top and two at the bottom with the remaining screws spaced a maximum of 6 inches apart on center.~~

~~(e) Patio deck sleeves (vertical post receptacles) placed inside the patio surface shall be of a nonconductive material.~~

~~(f) A latching device shall attach each barrier section at a height no lower than 45 inches above grade. Common latching devices which include, but are not limited to, devices that provide the security equal to or greater than that of a hook and eye type latch incorporating a spring actuated retaining level (commonly referred to as a safety gate hook).~~

~~(g) The bottom of the child mesh safety barrier shall not be more than 1 inch above the deck or installed surface (grade).~~

~~(8) The barrier may not have any gaps, openings, indentations, protrusions, or structural components that could allow a young child to crawl under, squeeze~~

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through, or climb over the barrier as herein described below.

(9) One end of a removable child barrier shall not be removable without the aid of tools. Openings in any barrier shall not allow passage of a 4-inch-diameter sphere.

(10) Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches, the horizontal members shall be located on the swimming pool, spa, or hot tub side of the fence.

(11) Spacing between vertical members shall not exceed 1¾ inches in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1¾ inches in width.

(12) Where the barrier is composed of diagonal members, the maximum opening formed by the diagonal members shall be no more than 1¾ inches.

(13) Solid barriers which do not have openings shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.

(14) Where an aboveground pool, spa, or hot tub structure is used as a barrier or where the barrier is mounted on top of the pool, spa, or hot tub structure, and the means of access is a ladder or steps;

(a) The ladder or steps either shall be capable of being secured, locked, or removed to prevent access, or

(b) The ladder or steps shall be surrounded by a barrier which meets the requirements of this chapter and c*Chapter 151* of this Village's Code, as well as the *Florida Building Code*.

(c) When the ladder or steps are secured, locked, or removed, any opening created shall not allow the passage of a 4-inch-diameter sphere.

(15) Any permitted swimming pool may be enclosed by a screen enclosure, provided the enclosure is constructed of material which is 90 percent screening.

(16) Screen enclosures shall have the same minimum side *Setbacks* as those stated above for swimming pools.

(17) Standard screen enclosures which meet the requirements of the Florida Building Code, may be utilized as part of or all of the "barrier" and shall be considered a "non-dwelling" wall.

(18) Removable child barriers shall have one end of the barrier non-removable without the aid of tools.

(19) Removable child barriers must be placed sufficiently away from the water's edge to prevent a young child or medically frail elderly person who may manage to penetrate the barrier from immediately falling into the water.

~~(a) Sufficiently away from the water's edge shall mean no less than 20 inches from the barrier to the water's edge.~~

~~(b) *Dwelling* or non-dwelling *Walls* including screen enclosures, when used as part or all of the "barrier" and meeting the other barrier requirements, may be as close to the water's edge as permitted by this Code.~~

(20) ~~A barrier may not be located in a way that allows any permanent *Structure*, equipment, or window that opens to provide access from the home to the swimming pool, spa, and/or hot tub.~~

b. Access to swimming pools, spas, and hot tubs.

Access gates, when provided, shall be self-closing and shall be equipped with a self-latching locking device located on the pool, spa, or hot tub side of the gate.

(1) Where the device release is located no less than 54 inches from the bottom of the gate, the device release mechanism may be located on either side of the gate and so placed that it cannot be reached by a young child over the top or through any opening or gap from the outside.

(2) Gates that provide access to the swimming pool, spa, or hot tub must open outward away from the pool, spa, or hot tub.

(3) The gates and barrier shall have no opening greater than ½ inch within 18 inches of the release mechanism.

c. Adjacent waterways as barriers.

(1) Permanent natural or permanent human~~-~~made features such as *Bulkheads*, canals, lakes, navigable waterways, etc., adjacent to a public or private swimming pool, spa, or hot tub may be permitted as a barrier when approved by the authority having jurisdiction.

(2) When evaluating such barrier features, the authority may perform on-site inspections and review evidence such as surveys, aerial photographs, water management agency standards and specifications, and any other similar documentation to verify, at a minimum, the following:

(a) The barrier feature is not subject to natural changes, deviations, or alterations and is capable of providing an equivalent level of protection as provided by the ~~c~~Code.

(b) The barrier feature clearly impedes, prohibits, or restricts access to the swimming pool, spa, or hot tub.

d. Schedule of penalties.

Failure to comply with the requirements of any ~~s~~Section of this ~~c~~Chapter may result in a penalty as provided in *Section 153* of the North Bay Village Code.

N. *Towers, antennas, poles, and masts.*

1. Generally.

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Prior to the erection of a water tower, standpipe, windmill, tower, aerial, antenna, pole, mast, or other vertical structure over ten feet in height above the roof of a permitted structure, or over twenty (20) feet in height if erected at *Grade*, the requirements of this section and the ~~South~~ *Florida Building Code* shall be observed.

a. Plans and specification required.

Plans and specifications for the structures listed above shall be submitted to the *Building Official* showing:

(1) All dimensions, size, and kind of members, footings, and guy wires;

(2) The location, depth, and type of guy anchors and footings;

(3) The type and weight of the antenna, apparatus, or *Structure* to be attached to or supported by the structure; and

(4) An application made for a permit.

b. Maximum height.

(1) The vertical height of any of the above structures shall not be greater than 90 percent of the horizontal distance from its base to the nearest property line.

(2) Radio towers, where incidental to a business use in the commercial district, may extend to a height of 150 feet measured from ground elevation.

(3) Poles, masts, and towers for supporting antenna used in the operation of amateur radio stations, citizen band radio stations, and citizen band radio stations licensed by the *Federal Communications Commission* shall be excepted from the above regulations and shall be governed by the following requirements:

(a) All poles, masts, towers, and beam array antennas shall be placed not less than five feet from a public *Right-of-Way* line or adjacent property line, or nearer than one foot from any *Easement*.

(b) All such installations shall conform to the requirements of the *National Electrical Code* and current radio frequency emission standards and other applicable *FCC regulations*, and be located not less than eight feet from any power line over 250 volts, including the beam elements or any part thereof.

(c) Permits shall be required for the installation of any poles, masts, or towers over 20 feet above the roof of any structure to which they may be attached, and for any installation over 35 feet in height when erected from grade. Applications for permits shall be accompanied by three copies of plans and specifications showing:

i. All dimensions, size, and kind of members,

ii. Footings and guy wires;

iii. The location, depth, and type of guy anchors and footings; and

iv. The type and weight of the antenna, apparatus, or *Structure* to be attached to or supported by the structure.

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(d) Poles shall be of an approved creosoted type or treated or painted with a chemical preservative and an outer coat of oil base paint before installation. The color shall match the surrounding development.

(e) The recommended depth of holes for various type poles shall be subject to acceptable engineering standards:

Pole Height Above-ground (feet)	Hole Depth in Firm Ground (feet)	Hole Depth in Rock Ground (feet)
16	3.5	3
20	4	3
25	5	3
35	6	4
50	7	5

(f) If the earth is damp or soggy, the depth of hole is to be increased by one foot.

(g) If carrying a beam, poles must be properly guyed, as is the case where the pulling effect of the wire antenna or weight of other installations will require guying.

(h) Wood masts shall be chemically treated, painted with an outside coat of oil base paint, and suitably guyed at the top and middle in at least three different directions.

(i) Masts to support a beam, whether of wood or metal pipe, shall comply with all the applicable regulations in regard to the location, guying and the like, and the maximum allowable weight of antenna, rotator, and components shall not exceed 150 pounds.

(j) Towers of steel, iron or aluminum, whether of the rigid non-demountable type or the rigid, demountable type with the crank-up, crank-down and either the hinged base or swivel crank-over features shall carry no more weight on the top than specified by the manufacturers specifications.

(k) In calculating the height of demountable type towers, the top of the lower rigid section shall be considered the top for the purpose of this ~~s~~Section.

(l) Beam array antennas shall be mounted so as to provide easy servicing and easy access for the removal at approach of hurricanes or provide for the lowering of such beam.

(m) All telecommunication tower sites must comply with the landscaping requirements of the Village in force at the time of application.

(n) An eight-foot (8-ft) fence or wall constructed in accordance with these land development regulations, as measured from the finished grade of the site, shall be required around the base of any tower and may be required around any accessory building or structures.

(o) Depending on the height and location, telecommunication towers or antennas shall be approved by the FAA, Miami-Dade County Aviation Authority or other appropriate agency prior to issuance of a building permit by the Village.

(p) Prior to the issuance of a building permit by the building division and/or planning and zoning division, the applicant shall provide evidence that the telecommunication towers or antennas are in compliance with FAA regulations.

2. Dish antennas.

a. Application. This ~~s~~Section shall apply only to private noncommercial dish antennas as defined in *subsection B.2* below. This section shall supplement and not repeal or modify the requirements of *Section 8.10(E)(5).*

b. Definitions:

(1) Dish antenna means a dish antenna intended for the purpose of receiving communications from orbiting satellites and other extraterrestrial sources, a low noise amplifier (L.N.A) which is situated at the focal point of the receiving component for the purpose of magnifying and transferring signals, a coaxial cable for the purpose of carrying signals to the interior of a *Building*.

(2) A private noncommercial dish antenna is a dish antenna for a single-family residence which is erected solely for the use of its owners. Said antenna shall not be used for the purpose of obtaining revenue.

c. Placement. Private noncommercial dish antennae may be permitted in North Bay Village provided:

(1) They are located in the *Rear Yard*.

(2) They are placed no closer to any property boundary line than a distance equal to their height as measured from ground level to the top of the antenna but in no event closer than ten feet to said *Property Lines*.

(3) On corner properties, no portion of the apparatus may extend beyond the imaginary extension of the line of the house *Structure*.

(4) Roof-mounted dish antennae shall not be permitted except on two-story *Buildings* with a flat roof, provided the antenna cannot be viewed from ground level, and in no instance is to exceed in height 15 [feet] above the roof.

d. Dimensions. The height of dish antennas, on the ground, shall not exceed 15 feet from ground level nor shall their diameter exceed 12 feet.

e. Number allowed; color. Only one dish antenna shall be allowed per single-family

house, and antennas shall be neutral in color, and one color only.

f. Anchorage. All dish antennae shall be anchored securely to the ground or structure in compliance with the requirements of the ~~South~~ *Florida Building Code* relative to structures.

g. Permit required. No dish antenna shall be erected until a permit has been issued by North Bay Village. All applications for a permit shall be accompanied by a site plan showing the proposed location of the antenna, the type, color, height and diameter of the antenna and the proposed landscaping.

h. Screening. A private noncommercial dish antenna shall be screened by landscaping on its sides so as to obscure its visibility from the abutting properties' ground view.

i. Once installed, dish antennas and related appurtenances must be maintained in good and operable condition, and the surrounding landscaping shall likewise be continuously maintained for the intended screening purpose.

j. Nonconforming uses. All dish antennas that are legally existing on October 23, 1990, shall be allowed to remain until such time that they may be replaced, or the cost of repairs exceeds 50 percent of the replacement at which time they shall conform in all respects to this ~~s~~Section.

3. Screening of mechanical equipment.

Lack of, or inadequate screening of, mechanical equipment can have negative visual impacts on the *Village*'s streetscape, ambient landscape, and community image. Such impacts shall be minimized through compliance with the following requirements:

a. Mechanical equipment located on the ground, such as air conditioning units, heating units, satellite dishes, irrigation pumps, propane tank displays and refilling areas, utilities lift stations, and the like shall be screened from public view. Screening shall, at a minimum, be at the same height as the equipment. Structural screening shall be architecturally integrated into the overall project design and shall be compatible, in terms of style, construction materials, colors, and finish, with the ~~principle~~ *Principal Structure(s)*. Landscaping may be substituted for structural screening if plantings are compatible with the landscape plan for the project and are of such size and maturity as to be able to provide a fully opaque screen at time of planting.

b. Equipment and appurtenances mounted on roof tops shall be kept to a minimum. All exposed roof top mounted equipment and appurtenances shall be fully screened from view from any public *Right-of-Way*. All screening shall, at a minimum, be at the same height as the equipment and appurtenances. Screening shall be an integral part of the design of the *Building(s)* and shall be architecturally consistent with the style, colors, construction materials and finish of the building(s).

c. Painting of exposed appurtenances to blend with the color of adjacent materials of the building may be approved where utilization of approved roof designs precludes full screening of exposed surfaces.

O. Island Walk Standards.

1. Except as otherwise provided in these regulations, all waterfront properties on Harbor Island and properties zoned either RM-70 or T6 and located along the north, south, and east shorelines of Treasure Island, upon and as part of their development or substantial redevelopment, shall be required to design and construct the respective portion of the Island Walk according to design criteria and standards established in the *Island Walk Design Criteria Project Memorandum,* dated October 19, 2020, prepared by EAC Consulting Inc. and Moffat & Nichol for the *Village*, as may be updated from time to time, which is incorporated into the Code as *Appendix "A"* and made a part hereof by reference.

DIVISION 5, GREEN BUILDING PROGRAM

§ 8.18 – Purpose and intent.

The *Village* has determined that the demolition, construction, and maintenance of buildings within the Village will have a significant impact on the Village's environmental sustainability, resource usage, waste management, and the health and productivity of the residents, employees, and visitors. *Green Building* construction increases the efficiency with which buildings and their sites use and harvest energy, water, and materials thereby reducing building impacts on human health, the environment, and the Village. The Village has also determined that the use of certified green building professionals during the design and planning of a project can significantly improve the sustainability of the finished product and the efficiency at which it is implemented.

§ 8.19 – Applicability.

The *Green Building* requirements of this Division shall apply to all *Zoning Districts*, Form-Based Districts and transect Zones within the Village and to the following development:

A. All new and substantial redevelopment applications for residential, commercial, office, hotels, and civic uses.

B. All new mixed-use development applications.

C. For any Village-owned civic or office construction project, the *Village* is expected to incorporate the ~~g~~Green ~~b~~Building requirements of this Chapter unless the *Village Commission*, in its sole discretion, demonstrates that the cost (e.g., time, function, or funding) associated with the requirements significantly outweighs the benefits to the Village.

§ 8.20 - Requirements.

Requirements for applications subject to the green building program are as follows:

A. All development subject to the green building program shall incorporate design options from the Table in ~~§~~*Section 8.21 Green Building Development Options and Points* to achieve the minimum number of points as specified below:

1. Single family residential shall achieve a minimum of ~~ten~~ twelve (1~~0~~2) points.

2. Multi-family residential shall achieve a minimum of ~~eighteen~~ twenty (~~18~~22) points.
3. Mixed-use projects shall achieve a minimum of twenty-four (2~~0~~6) points.
4. Commercial and Office projects shall achieve a minimum of twenty-four (2~~0~~6) points.
5. Hotel projects shall achieve a minimum of twenty-four (2~~0~~6) points.
6. Civic Uses shall achieve a minimum of twenty-four (2~~0~~6) points.

B. Upon site plan submittal, applicants shall provide a description of their proposed strategy to achieve the required number of points from the Table ~~§~~*Section 8.21 Green Building Development Options and Points*. In the case of projects pursuing certification through an approved third-party ~~g~~Green ~~b~~Building ~~p~~Program, a completed official certification checklist shall be submitted with the application.

C. All development subject to the green building program shall retain a *USGBC LEED* Accredited Professional, *FGBC* Designated Professional, an accredited *NGBS* Green Verifier, or other verified green building accredited professional within their planning and design team.

D. For those projects pursuing green building certification through an approved third-party ~~g~~Green ~~b~~Building ~~p~~Program, the certification shall be obtained within twelve (12) months of the issuance of a certificate of occupancy (CO) by North Bay Village. Failure to submit the green building certification to the *Village* within this timeframe shall result in a Notice of Violation (NOV).

E. No pennants, ribbons, balloons, flags, banners, or similar material shall be placed on any *Green Building Feature*.

F. Certification signage or green feature acknowledgment plaques shall be pre-approved as a part of the permit issuance process.

§ 8.21 - Green building development options and points.

The table within this subsection lists green building design options, the points available for incorporating each design option, and a brief description of the design option standards.

Green Design Option	Points	Description
Gray water systems.	6	Reuse water from showers, bathtubs, clothes washing, and sinks (except kitchen sinks) for flushing toilets and urinals.
Solar-ready rooftop	2	Provides reserved breaker space and conduit for future use, as well as structural provisions to support future roof load.
Photovoltaic System	4	Generate at least 30% of energy demand based on daytime peak load and on an annual basis.

Photovoltaic ~~s~~System	6	Generate at least 60% of energy demand based on daytime peak load and on an annual basis.
Photovoltaic ~~s~~System with back-up battery storage	8	Generate at least 30% of energy demand based on daytime peak load and on an annual basis and provide at least 24 hours of energy use in battery storage.
Photovoltaic ~~s~~System with back-up battery storage	10	Generate at least 60% of energy demand based on daytime peak load and on an annual basis and provide at least 24 hours of energy use in battery storage.
Solar Water Heater or Heat Pump Water Heater	2	~~Solar~~ Energy efficient water heating system with at least an ~~8~~50-gallon storage tank.
Electric Vehicle Charging Station(s)	2+	Single-family residential: • ~~2 points for installing the electric lines and circuit breakers necessary to accommodate station installation (installed according to § 8.23.E).~~ • 2 points for ~~each~~ an additional charging station installed pursuant to *§ 8.23.E* in a single-family residence~~, not to exceed a maximum of 4 points~~. All other project types: ~~2~~1 point~~s~~ for each station installed above the baseline number required pursuant to *§ 8.23.A* and B, not to exceed a maximum of 4 points.
Permeable surface for parking and drives	4	At least 50% of total surface of driveway and parking needs are permeable surfaces.
Permeable surface for parking and drives	2	At least 25% of total surface of driveway and parking needs are permeable surfaces.
Green Roof	6	At least 50% or more of roof surface area is green roof.
Green Roof	4	At least 25% or more of roof surface area is green roof.
Green Wall	4	Green wall must cover at least forty (40) percent of the surface of the external wall.

White roof (also known as cool roof)	4	The entire roof surface must be covered in white/reflective covering and provide an initial and 3-year aged *Solar Reflectance Index (SRI)* as follows: • Low-sloped roofs with a slope less than or equal to 2:12: initial SRI of 82 and 3-year aged SRI of 64. • Steep-sloped roofs with a slope greater than 2:12: initial SRI of 39 and 3-year aged SRI of 32.
Cool Pavement	4	Provide a surface with an initial solar reflectance 20%, higher than the 5-10% reflectance of a dark asphalt parking lot.
Enhanced hurricane resistant structure	4	Meet a wind load 20 mph greater than *Florida Building Code* requirements.
LID/*Green Infrastructure* (e.g., use of bioswales, rain gardens, cisterns, filtration media, etc.)	~~2~~ 4	Demonstrate efficacy of the system and provide maintenance plan.
SITES Certification for landscaping	~~2~~ 4	Provide ~~C~~certification.
100% native plants in landscaping	~~2~~ 4	Meet all landscaping requirements with 100% Miami-Dade County native vegetation.
Florida Friendly Landscape Recognition (Silver)	2	Demonstrates adherence to the nine principles and requirements to achieve Silver-level recognition by the Florida Friendly Landscaping TM Program.
Florida Friendly Landscape Recognition (Gold)	4	Demonstrates adherence to the nine principles and requirements to achieve Gold-level recognition by the Florida Friendly Landscaping TM Program.
Pollinator Garden	2	Wildlife Habitat Certification from the National Wildlife Federation, Pollinator Steward Certification from the Pollinator Partnership, or similar program.
EnergyStar rating for all appliances/equipment	4	~~a~~All appliances/equipment associated with the building are EnergyStar rated.
Low-flow plumbing fixtures	4	EPA-labeled WaterSense showerheads (2.0 gpm max), bathroom and kitchen faucets and aereators (1.5 gpm max)

Low-flow plumbing fixtures	6	All of the above plus WaterSense-labeled toilets (1.28 gpf max), urinals (0.5 gpf max)
Low-flow plumbing fixtures	8	All of the above plus WaterSense-labeled landscape irrigation controllers
High-efficacy lighting	4	At least 90% of all building lighting is "high efficacy" (defined in light output per watt of power input)
High-efficacy lighting	6	100% of all building lighting is "high efficacy" (defined in light output per watt of power input)
Lighting controls	2	Interior lighting controls with dimmers or sensors excluding bathroom and hallways
Lighting controls	2	Exterior lighting controls with automatic shut-off when daylight is present
Other - Innovative Design feature	2+	Provide other design features that conserve energy, promote sustainable landscapes, support public health or increase sustainability, to be awarded at the discretion of the *Village Manager* and reviewed on a case-by-case basis.
Diversion of waste from landfill	2	For projects involving demolition, provide documentation that at least 30% of all demolition materials will be reclaimed, recycled, or otherwise diverted from the landfill.
Diversion of waste from landfill	4	Demonstrate that at least 50% of all construction waste will be diverted from landfill for recycling and reuse.
Use of reclaimed/recycled materials	2	Demonstrate that at least 20% of buildings materials being used are reclaimed/recycled content.
Use of reclaimed/recycled materials	4	Demonstrate that at least one primary building material (such as roofing) is 50% or more post-consumer recycled content.
Use of locally sourced materials	2	Demonstrate that at least 10% of construction materials are extracted, harvested, recovered, or manufactured within 500 miles of the construction site
Use of locally sourced materials	4	Demonstrate that at least 20% of construction materials are extracted, harvested, recovered or manufactured within 500 miles of the construction site

Use of locally sourced materials	8	Demonstrate that 50% of construction materials are extracted, harvested, recovered, or manufactured within 500 miles of the construction site.
LEED Base Certification	14	Obtain USGBC Base Certification.
LEED Silver Certification	16	Obtain USGBC Silver Certification.
LEED Gold Certification	18	Obtain USGBC Gold Certification.
LEED Platinum Certification	20	Obtain USGBC Platinum Certification.
FGBC Bronze Certification	12	Obtain FGBC Bronze Certification.
FGBC Silver Certification	14	Obtain FGBC Silver Certification.
FGBC Gold Certification	16	Obtain FGBC Gold Certification.
FGBC Platinum Certification	18	Obtain FGBC Platinum Certification.
NGBS Bronze Certification	10	Obtain NGBS Bronze Certification.
NGBS Silver Certification	12	Obtain NGBS Silver Certification.
NGBS Gold Certification	14	Obtain NGBS Gold Certification.
NGBS Emerald Certification	16	Obtain NGBS Emerald Certification.

§ 8.22 - Submittal requirements.

At the time of application submittal, the applicant must submit:

A. Documentation identifying and verifying the credentials of the *USGBC LEED* accredited professional, *FGBC* Certifying agent, accredited *NGBS* Green Verifier, or other ~~g~~Green ~~b~~Building ~~p~~Program accredited professional on the applicant's team.

B. A checklist for each green building option, as identified in ~~§~~Section 8.21 ~~*Green Building Development Options and Points*~~, incorporated into the project design to achieve points.

C. If the applicant is pursuing a certification through a recognized third-party green building certification program (USGBC *LEED*, FGBC, NGBS, etc.), the points checklist, designated level of certification, and proof of application into the third-party green building program must be submitted. The applicant shall use the most current version of the chosen certification program.

D. The *Village* reserves the right to require a bond upon application for a project proposing a third-party green building certification to ensure completion of the project in accordance with the proposed green standards and receipt of the certification.

§ 8.23 – Electric vehicle charging stations.

To promote the health, safety, and general welfare of the citizens in the preparation for the increasing utilization of electric vehicles, and to ensure the *Village* provides the infrastructure necessary to support the transition to this technology, ~~the following shall apply~~ wherever off-street parking is required, *Electric Vehicle-Charging Station(s)* shall be required in accordance with the following standards:

A. ~~All n~~New, Redeveloped, ~~Multi-family residential~~ and Substantially Improved ~~Mixed-use p~~Projects: ~~shall install a minimum number of *Electric Vehicle-Charging Station(s)* with the project at the rate of~~

1. *Level 2 Charging.* A minimum of ~~five~~ ten (~~5~~10) percent of the total number of required or provided parking spaces shall be equipped with an electric vehicle charging station rated at Level 2 or higher. If ~~five~~ ten (~~5~~10) percent calculates to a fractional number, that fractional number must be rounded up to the next higher whole number.

2. *Level 3 Charging.* When 60 or more parking spaces are required or provided, a minimum of two (2) parking spaces shall be equipped with an electric vehicle charging station rated for Level 3 charging. For every additional 60 spaces required or provided, one (1) additional Level 3 charging station shall be provided. When required, Level 3 charging stations shall be made available to any tenant, guest, invitee or other patron of the property with an electric vehicle for active charging and may not be reserved for building patrons.

3. *Guest Parking.* When guest parking is required, a minimum of 10% of the required or provided guest parking spaces shall be equipped with an electric vehicle charging station rated at Level 2 or higher.

4. *Exclusive Use.* When more than 20 off-street parking spaces are required or provided, all electric vehicle parking spaces shall be reserved for the exclusive use of electric vehicles.

5. *EV-Ready Spaces.* Spaces not equipped with a Level 2 or higher charging station shall be required to have an electrical power supply rated at 240 volts or greater installed for each parking space for future installation of electrical vehicle charging spaces rated at Level 2 or higher.

6. *Mechanical Parking.* When mechanical parking is utilized, where access to a charging station is not feasible, a Level 3 charging station shall be required for every ten (10) spaces that do not include an electrical power supply rated at 240 volts or greater.

B. ~~All new and substantial redevelopment of Commercial, Office, Hotel and Civic uses shall install electric vehicle charging station(s) with the project at the rate of five (5) percent of the total number of required parking spaces. If five (5) percent calculates to a fractional number, that fractional number must be rounded up to the next higher whole number.~~ A minimum of 25% of the charging stations supplied in any development project shall provide non-proprietary connectors.

C. Battery charging equipment shall:

1. Be screened from view from the right-of-way;

2. Be no higher than 72 inches from the finished floor/grade;

3. Contain a retraction device, coiled cord, or a place to hang cords and connectors above the ground surface;

4. Include, except in single-family residential districts, the following: (a) voltage and amperage levels; (b) pricing and usage fees, if any; (c) safety information; and (d) contact information to report issues relating to the operation of the equipment;

5. Be elevated or designed so that all electrical components are 12 inches above the 100 year flood plain; and

6. Be listed by Underwriters Laboratories (UL) 2202 "Standard for Electric Vehicle (EV) Charging System Equipment," comply with the Florida Building Code, Society of Automotive Engineers (SAE) Standards for Charging Stations; comply with National Electrical Code (NEC) Standards for Battery Charging Equipment; and all applicable Federal Standards, as may be amended from time to time.

7. Charging equipment shall be installed with proper grounding and use monitoring equipment that can sense excessive temperature and shut the charging process down.

8. Electrical service load calculations for EV supply equipment shall comply with or exceed NEC standards to ensure the electrical supply will be able to handle the extra load put on by EVs charging.

~~C~~D. An electric vehicle charging station *Sign* shall be posted at the electric vehicle charging station stating, "Electric Vehicle Charging Station." Signs shall be no less than 24 inches wide by 18 inches high. Color and letter size specifications shall meet the *Manual on Uniform Traffic Control Devices* (MUTCD) requirements for sign designation (electric vehicle charging). *Single-Family Residential* stations are not required to meet the MUTCD standards.

~~D~~E. The application documents for the project shall at a minimum identify the following:

1. The location where the vehicle(s) will be parked~~,~~;

2. The location of the charging station(s)~~,~~; and

3. The electrical plans showing the location of the meter, circuitry, panel schedules and routing.

~~E~~F. Any new single-family ~~development~~ residential project that elects not to install an electric vehicle charging station, or any project proposing substantial improvements to an existing single-family home, shall install the electric lines and circuit breakers to readily accommodate future installation. Lines shall be installed up to the point where the charging station will be located.

Electric vehicle charging station(s) shall be deemed permitted accessory equipment to conforming and nonconforming buildings in all *Zoning Districts* and categories.

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

§ 8.24 – Bicycle parking / storage.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by ~~provide~~ providing support for alternative transportation methods.

A. Nonresidential development shall provide a minimum of six (6) secure bicycle parking / storage spaces for each 50,000 square feet of floor area, or part thereof.

B. Townhouse and multifamily development shall provide secure bicycle parking / storage spaces at a ratio of one space for each five residential units (1:5) or fraction thereof for those units that do have an accompanying individual dedicated enclosed garage.

C. The location of the bicycle space / storage shall be indicated on the site plan.

§ 8.25 – Rooftop photovoltaic solar systems and solar water heater systems.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of alternative energy systems and to encourage the installation of rooftop *Photovoltaic Solar Systems* and/or rooftop *Solar Water Heater* systems on *Buildings* and *Structures* within the *Village*.

A. Rooftop photovoltaic solar systems and/or solar water heater systems shall be deemed permitted accessory equipment to conforming and nonconforming buildings in all zoning categories and *Districts*. Nothing contained in this Chapter, including design standards or guidelines included or referenced herein, shall be deemed to prohibit the installation of rooftop photovoltaic solar systems or solar water heater systems that meet the requirements of this ~~s~~Section, as accessory equipment to conforming and nonconforming buildings, including buildings containing *Nonconforming Uses*.

B. In order to be deemed permitted accessory equipment, rooftop solar photovoltaic or solar water heater systems may exceed the permissible height limit in any district by not more than five (5) feet as specified in ~~§~~*Section 8.17.G*~~. Height Exemptions~~. For existing buildings non-conforming to height requirements, in order to be deemed permitted accessory equipment, solar photovoltaic or solar water heater systems may exceed the existing roof height by no more than five (5) feet.

C. Prior to the issuance of a permit, the property owner(s) must acknowledge, as part of the permit application, that:

1. If the property is within a homeowners' association, condominium association, or otherwise subject to restrictive covenants, the property may be subject to additional regulations or requirements despite the issuance of a permit by the Village; and

2. The issuance of a permit for a rooftop photovoltaic solar system or solar hot water system does not create in the property owner(s), or any successor or assign in title, or create in the property itself, a right to remain free of shadows or obstructions to solar energy caused by development adjoining on other property or by the growth of any trees or vegetation on other property or the right to prohibit the development on or growth of any trees or vegetation on another property.

D. To the extent that the Village has discretion regarding the removal or relocation of trees, solar access shall be a factor taken into consideration when determining whether and where trees may be removed or relocated.

E. Rooftop photovoltaic solar systems and solar ~~hot~~ water heater systems shall be properly maintained and be kept free from hazards, including, but not limited to, faulty wiring, loose fastenings, or being maintained in a condition that is unsafe or detrimental to public health, safety, or general welfare.

§ 8.26 – Green roof.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of *Green Roof* systems on *Buildings* and *Structures* within the *Village*. A green roof, also referred to as a living roof, shall mean a roof of a building that is partially or completely covered with vegetation and a growing medium, planted over a waterproofing membrane. It may also include additional components such as a root barrier, drainage and irrigation system, and soil containment.

A. Green roof systems shall be deemed permitted *Accessory Equipment* to conforming and *Nonconforming Buildings* in all *Zoning Categories*. Nothing contained in this ~~c~~Chapter, including design standards or guidelines included or referenced herein, shall be deemed to prohibit the installation of a green roof that meets the requirements of this ~~s~~Section, as accessory equipment to conforming and nonconforming buildings, including buildings containing *Nonconforming Uses*.

B. In order to be deemed permitted accessory equipment, the green roof structural components (non-vegetative components) may exceed the permissible height limit in any district by not more than five (5) feet as specified in ~~§~~*Section 8.17.G*. ~~*Height Exemptions*~~. For existing buildings non-conforming to height requirements, in order to be deemed permitted accessory equipment, green roof structural components may exceed the existing roof height by no more than five (5) feet.

C. Prior to the issuance of a permit, the property owner(s) must acknowledge, as part of the permit application, that if the property is within a homeowners' association, condominium association, or otherwise subject to restrictive covenants, the property may be subject to additional regulations or requirements despite the issuance of a permit by the *Village*.

D. To be deemed a green roof for the ~~propose~~ purpose of achieving points for *Green Building* requirements the green roof must cover at least twenty-five (25) percent of the total roof surface.

E. The green roof system shall be properly designed, installed, and maintained, and be kept free from hazards or conditions that are unsafe or detrimental to public health, safety, or general welfare and shall comply with the provisions established in the landscape code under ~~§~~*Section 9.245* ~~– Green Roof.~~

§ 8.27 – Green wall.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of green wall systems on *Buildings* and *Structures* within the Village. A *Green Wall*, also referred to as a living wall or vertical garden, shall mean an internal or external wall partially or completely covered with vegetation that includes a support structure and growing medium, and an integrated water delivery system.

A. Green wall systems shall be deemed permitted accessory equipment to conforming and nonconforming buildings in all *Zoning Districts*. Nothing contained in this Chapter, including design standards or guidelines included or referenced herein, shall be deemed to prohibit the installation of a green wall that meets the requirements of this ~~s~~Section, as accessory equipment to conforming and nonconforming buildings, including buildings containing *Nonconforming Uses*.

B. In order to be deemed permitted accessory equipment, the green wall structural components (non-vegetative components) may encroach into a side or rear yard setback by no more than (3) feet. For existing buildings non-conforming to *Setback* requirements, in order to be deemed permitted accessory equipment, green wall structural components may encroach into any required setback by no more than three (3) feet.

C. Prior to the issuance of a permit, the property owner(s) must acknowledge, as part of the permit application, that if the property is within a homeowners' association, condominium association, or otherwise subject to restrictive covenants, the property may be subject to additional regulations or requirements despite the issuance of a permit by the *Village*.

D. To be deemed a green wall for the ~~propose~~ purpose of achieving points for *Green Building* requirements, the green wall must cover at least forty (40) percent of the external surface on the wall on which it is constructed.

~~*E.*~~ The green wall system shall be properly designed, installed, and maintained, and be kept free from hazards or conditions that are unsafe or detrimental to public health, safety, or general welfare and shall comply with the provisions established in the landscape code under ~~*§*~~ Section ~~*8.27 – Green wall*~~ *9.23*.

§ 8.28 – Wind turbines.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of alternative energy systems and to provide for the installation of *Wind Turbines* on rooftops or in *Yards* within the *Village*. Wind turbines may be a vertical axis helical design or a pole with blades 'windmill' type horizontal axis design.

A. Wind turbine systems shall be deemed permitted accessory equipment to conforming and nonconforming buildings in all *Zoning Districts*. Nothing contained in this Chapter, including design standards or guidelines included or referenced herein, shall be deemed to prohibit the installation of a wind turbine system that meets the requirements of this ~~s~~Section, as accessory equipment to conforming and nonconforming buildings, including *Buildings* containing *Nonconforming Uses*.

B. Due to design considerations and functionality requirements, an efficient wind turbine system has a design potential to exceed the permissible height limits established in this code. In order to be deemed permitted accessory equipment, the top of the wind turbine may exceed the permissible height limit in any district by not more than ten (10) feet as specified in ~~§~~*Section 8.17.G*. ~~*Height Exemptions*~~. Should a proposed wind turbine exceed the ten (10) foot limit it will need to be approved through the variance process as established *in Chapter 7~~, Variances~~*.

C. Wind turbines shall maintain the setbacks established for the zoning district in which it is placed. Wind turbines shall maintain sufficient setback to ensure if it tips over it will not fall on adjacent property.

D. Wind turbines shall not be placed in ~~a~~ *Front Yards* unless a variance in accordance with *Chapter 7~~, Variances~~* is granted.

E. Wind turbines shall comply with all requirements contained within *Chapter 96~~ - Nuisances, Noise~~* of the *Village's Code of Ordinances.*

F. Installation of a wind turbine shall require a building permit and shall comply with all requirements of the *Florida Building Code*.

G. A private wind turbine proposed within a public *Right-of-Way* may only be allowed upon approval by the *Village Commission*.

H. Wind turbines proposed to be placed in or over water or on docking facilities will need to be approved through the variance process as established in *Chapter 7~~, Variances~~*.

§ 8.29 – Green infrastructure and low impact development (LID).

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of *Green Infrastructure* or *Low Impact Development (LID)* systems for stormwater management and/or water quality protection.

A. For projects that propose Green Infrastructure or Low Impact Development systems for stormwater management and/or water quality protection the applicant must demonstrate the proposed system meets the applicable stormwater management and/or water quality protection requirements as required by the *Village*, Miami-Dade County, the *South Florida Water Management District*, or the *Florida Department of Environmental Protection* as applicable.

B. The property owner shall provide the Village with the issued permit(s) from any external applicable jurisdictional agency if required for the ~~g~~Green ~~i~~Infrastructure or Low Impact Development system.

C. The ~~g~~Green ~~i~~Infrastructure shall be maintained to ensure the efficacy of the system in managing stormwater and protecting water quality.

D. Should ~~g~~Green ~~i~~Infrastructure be proposed within an *Easement*, at the time of application the applicant shall submit, a form signed by any holder of an easement or *Right-of-Way* on the property consenting to the installation of the ~~g~~Green ~~i~~Infrastructure within the easement

or right-of-way, with an accompanying acknowledgement by the property owner that in the event the easement holder performs work in the easement that it is the property owner's responsibility to repair and replace the green infrastructure disturbed as a result of the work in the easement.

E. Private ~~g~~Green ~~i~~Infrastructure proposed within a public right of way, may only be allowed upon approval by the *Village Commission*.

§ 8.30 – Clotheslines.

Nothing in this ~~c~~Code precludes a property owner from installing and maintaining a clothesline in support of energy conservation measures. Installation of a clothesline shall conform to the following:

A. A clothesline cannot be installed in an easement without a form signed by any holder of an *Easement* on the property consenting to the installation within the easement with an accompanying acknowledgement by the property owner that in the event the easement holder performs work in the easement that it is the property owner's responsibility to repair and replace the clothesline if disturbed as a result of the work in the easement.

B. A clothesline cannot be installed in a *Right-of-Way*.

C. A clothesline must maintain at a minimum a fifteen (15) foot setback from a waterbody.

D. Clotheslines cannot be installed in a *Front Yard*. A clothesline cannot be installed in a *Side Yard* unless the required side yard setback can be met and there is a privacy fence or vegetated buffer screening the side yard from the adjacent property. A clothesline in the Rear Yard shall be screened from view from an adjacent property.

E. Clotheslines are deemed permitted accessory equipment to *Conforming* and *Nonconforming Buildings* in all *Residential Zoning* categories.

§ 8.31 –Incentives for green building.

To promote the health, safety, and general welfare of the citizens the *Village* shall provide incentives for voluntary incorporation of green building options.

A. The incentives shall apply to any development project not required by Section 8.19 ~~*§ 8.18 – Applicability*~~ to incorporate green building requirements.

B. To be eligible for these incentives, an applicant must demonstrate they have achieved a minimum of ~~eight~~ twelve (~~8~~12) points from the development options table in ~~*§*~~*Section 8.21* ~~*- Green building development options and points*~~ to qualify for the incentive.

C. The Village shall explore provide~~e~~ing ~~the following~~ incentives to eligible and qualified applicants, such as but not limited to:

1. ~~Fast-track permitting~~Expedited processing for *Building Permits*.
2. Reduced permitting *Fee* or building permit fee rebate, which shall~~,~~ be established and amended~~,~~ by Resolution of the *Village Commission*.
3. Potential grants to assist with green and resilient retrofit projects for qualified households through the Village's ~~Workforce~~ Resilient Housing Trust.

4. Tax credit or tax exemption on the local portion of the property tax bill.

CHAPTER 9, GENERAL SITE DESIGN STANDARDS

DIVISION 1, GENERALLY

§ 9.1 – Purpose and intent.

A. Design guidelines are intended to implement and provide guidance on site and building design. The purpose of these guidelines is to provide direction to private property owners in preparing plans for review concerning property development or redevelopment. It is important to remember that all projects are also subject to the required reviews of North Bay Village. The primary intent of these guidelines is to establish and promote standards for development planning and urban design.

B. The standards and guidelines provide direction as to how private development should relate to framework of public amenities in a way that will serve the long-term vision as well as accommodate immediate opportunities. They have been created to allow flexibility within the parameters of a clearly defined and supported vision that will provide lasting benefit to the citizens of North Bay Village.

C. The intent of the design standards ~~are~~ is to utilize developed public spaces, such as *Streets*, park and parkways, and ~~bay~~ the Island W~~w~~alk~~s~~ to organize and coordinate development, as well as to accommodate a broad mix of development types and alternate transportation modes, such as walking and biking.

D. The general requirements outlined in this chapter and in ~~c~~Chapter 15 shall serve to supplement the minimum aesthetic and design standards for all site development, *Buildings*, *Structures*, alterations, or additions. All site development or redevelopment shall, where reasonable and practicable, show proper design concepts consistent with the standards outlined in these guidelines. Buildings or structures, which are a part of an existing or future group of buildings, shall have a unity of character and design. The relationship of forms and the use, texture, and color of materials shall be such as to create a harmonious whole site. Harmony can be achieved through the proper consideration of scale, proportions, site planning, landscaping, materials, and color.

DIVISION 2, OFF-STREET PARKING AND LOADING

§ 9.2 – Purpose and intent.

It is the purpose and intent of this subchapter to establish minimum space and design requirements for *Off-Street Parking and Loading* facilities to accommodate both public and private uses. The ever-increasing number of vehicles generated from and attracted to residential, commercial, and public activities requires that adequate parking and loading facilities, which permit safe and efficient vehicle and pedestrian movement, be provided in order to protect the health, safety and welfare of the residents of the *Village*.

§ 9.3 – Off-street parking requirements.

A. *General requirements.*

1. Every use or structure shall provide off-street parking facilities for the use of occupants, employees, visitors, or patrons. The provision of *Off-Street Parking* spaces in conjunction with all land or building *Uses* shall be completed prior to the issuance of a certificate of occupancy and such parking facilities shall be maintained as long as the use is continued.

2. No owner or operator of any use or *Structure* shall discontinue or cause a discontinuance or reduction in required off-street parking facilities required by the applicable code provisions existing at the time of construction, use or occupancy without establishing alternate parking facilities which meet the requirements of this subchapter.

3. When any use or structure is altered or enlarged, with a resultant increase in floor area capacity, or space occupied, whatever necessary additional off-street parking that may be required shall be provided, and a revised site plan shall be submitted for review and approval.

4. Where a use or structure which existed at the effective date of this subchapter is changed in use or occupancy to a category of use or occupancy that requires more off-street parking facilities, ~~the~~ an increased amount of those facilities shall be provided.

5. Within the T6-24 and T6-30 transect zones, the restoration or rehabilitation of an existing *Building* does not require the provision of parking in addition to the existing, if less than six (6) new spaces are required.

6. For additional off-street parking requirements in the T6 transect zone, see Chapter 15, *Section 15.7.A*.

B. *Plan required.*

1. All proposed off-street parking facilities shall be subject to site plan review and approval. Whenever site plan review is otherwise required in conjunction with a specific use, that review shall satisfy the requirements of this section.

2. Site plans shall include the following:

   a. All off-street parking facilities shall be designed with consideration given to surrounding street patterns, adjacent properties, and other neighborhood improvements. Consideration shall be given to the number of vehicles to be accommodated, hours of operation, and types of uses served.

   b. All site plans shall show the location, size, dimensions, and design of:

      (1) On-site buildings and structures.

      (2) Parking spaces, loading spaces, driveways, landscape islands/buffers, and accessways.

      (3) Directional markings, traffic-control devices, and *Signs*.

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

(4) *Walls, Fences*, pervious areas, berms, changes of grade, and planting materials.

(5) Number of parking spaces required, and number provided, amount of landscaping required, and amount of landscaping provided.

(6) Any other related information that may be reasonably required by the *Village.*

c. When off-street parking facilities are located within an enclosed structure or upon the roof of a *Building*, the site plan shall also include interior circulation patterns, slope of ramps, and location of interior structural columns.

d. Within the T6 transect zone, see *Sections 15.6.C.*, *15.6.D.*, *and 15.7.A.* for additional off-street parking and loading requirements.

C. *Minimum, ~~or~~ maximum or recommended number of off-street parking spaces ~~required~~.*

1. Fractions of a space:
All uses shall be subject to the following ~~minimum~~ parking space requirements unless additional spaces may be required as the condition for securing a ~~permitted conditional use~~ site plan approval. All fractional space requirements shall be rounded off to the next highest number.

2. Residential uses
a. Single-family:
(1) Two spaces for each *Dwelling Unit*.

b. Multifamily in the T6 transect zone:
(1) See *Section 15.7.A.* Building Function (Uses) and Parking Requirements Table.

c. Multifamily in all areas except the T6 transect zone:
(1) The recommended number of off-street vehicle parking spaces per is shown below, unless otherwise specified in this Chapter.

Unit size	**~~Maximum~~ Recommended spaces per unit**
Micro unit, efficiency/studio, and 1-bedroom	1.25 spaces
2 bedrooms	1.75 spaces
3 bedrooms	2.25 spaces
More than 3 bedrooms	0.5 spaces per additional bedroom

(2) Guest parking shall be provided at a maximum rate of ten percent (10%) of the total number of spaces. Guest parking spaces shall be identified as such and shall be located in areas commonly accessible to all units.

(3) All parking spaces for multifamily residential uses shall be provided on site. No off-premises parking shall be counted as part of the required parking count.

(4) All parking spaces provided for multifamily residential uses pursuant to these provisions shall be conveyed for use by the developer to the condominium association, and then made available for use by the unit owners at no charge. Where spaces are indicated by a fraction, at least the whole number must be conveyed. ~~This provision shall apply to development under the PRD Ordinance.~~

3. Commercial uses
   a. Banks and financial institutions: One (1) space for each 300 feet of gross floor area, plus sufficient area for a minimum of eight (8) stacking spaces for each drive-thru window. Drive-thru lanes shall be designed so as to be totally separated from required *Off-Street Parking* spaces and driveways.
   b. Business, vocational, and trade schools: One (1) space for each 100 square feet of gross floor area.
   c. Lodges, ~~fraternal~~ social organizations, and union halls: One (1) space for each 100 square feet of gross floor area.
   d. Offices (business, professional): One (1) space for each 300 square feet of gross floor area.
   e. Personal service establishments (dry cleaners, laundromats, gym, fitness center, and other similar uses): One (1) space for each 200 square feet of gross floor area.
   f. Repair service establishments (shoes, watches, appliances, and other similar uses): One (1) space for each 200 square feet of gross floor area.
   g. Restaurants, lounges, and nightclubs: One (1) space for each 75 square feet of customer service area.
   h. Retail sales establishments: One (1) space for each 200 square feet of gross floor area, plus sufficient area for four stacking spaces for every drive-thru window. Drive-thru lanes shall be designed so as to be totally separated from required off-street parking spaces and driveways.
   i. Service stations: Three (3) spaces, plus three (3) spaces for every service bay.
   j. Theaters/Auditoriums: One (1) space for each three (3) seats or other accommodations provided. For benches, pews, or other similar seating arrangements, each 18 lineal inches of such seating facilities shall be counted as one seat for the purpose of computing off-street parking requirements.
   k. Vehicle sales, rental, repair, and service operations: One (1) space for every 400 square feet of enclosed floor area for sales or rental display, plus two (2) spaces for each service bay.
   l. Offices (medical, dental, clinic): One (1) space per 150 square feet of gross floor area.
   m. Barber shops, hair salon, nail salon, spa, therapeutic massage center: Two (2)

spaces per station (chair, bed, etc).

n. Drugstores and pharmacies: One (1) space for each 200 square feet of gross floor area.

o. Funeral home or mortuary: One (1) space for each four seats in the principal assembly area. For benches, pews, or other similar seating arrangements, each 18 lineal inches of such seating facilities shall be counted as one (1) seat for the purpose of computing off-street parking requirements.

p. Animal hospital, grooming, and/or kennel: One (1) space per 300 square feet of gross floor area.

q. *Hotels*, *Motels*, and other tourist lodging accommodations:

(1) One (1) space for each room or rental sleeping unit, plus an additional ten percent (10%) of the total number of required spaces except as follows:

One (1) space per sleeping unit, for the first 100 units, and ~~0.5~~ one-half (½) spaces per sleeping unit for all units in excess of 100~~;~~ if the developer agrees in writing that a hotel shuttle service is provided and maintained in perpetuity, and a hotel employee parking plan is provided, which shall be subject to the review by the ~~Village Planning Department~~Village Manager or a designee. The hotel parking plan shall include measures to address employee parking, including, but not limited to, provision of transit passes, carpool or vanpool programs, off-site parking when available and/or other measures intended to limit the impact of employee parking on surrounding neighborhoods.

(2) For hotel establishments with at least 100 sleeping units, parking space requirements for restaurants, retail and other service uses within the hotel may be reduced by 25% if such uses are ancillary to the hotel.

4. Community facilities

a. Assisted living facilities: Three-quarter space per living unit, plus 1 guest parking space per every five (5) living units.

b. ~~Churches, synagogues, and other h~~ Houses for worship: One (1) space for each four seats in the principal assembly area. For benches, pews, or other similar seating arrangements, each 18 lineal inches of such seating facilities shall be counted as one (1) seat for the purpose of computing off-street parking requirements.

c. Government offices and facilities: One (1) space for every 300 square feet of gross floor area, plus one (1) space for every four (4) seats in any public assembly area.

d. Hospitals: One (1) space for each patient bed, plus 0.5 parking spaces per staff member.

e. Marinas: One (1) space for every boat slip or berth, plus such additional spaces as may be required for permitted uses such as retail stores and *Restaurants*.

f. Museums, art galleries, and libraries: One (1) space for every 400 square feet of gross *Floor Area*.

g. Nursing home facility: One-half (½) space for each bed plus one (1) guest parking space per every four (4) residents.

h. Tennis, handball, and racquetball facilities (indoor or outdoor): Five spaces for every court, plus such additional spaces as may be required for permitted uses such as retail stores and restaurants.

5. Educational

a. *Nursery, Daycare*, Preschool, Elementary, and Middle School: One (1) space/classroom plus one space per employee (excluding teachers), plus 1 space/100 students), plus 10 spaces for stacking/queuing, (student drop-off/pick-up).

b. High School: One (1) space/classroom plus one space per 10 seats plus 5 spaces for auto stacking/queuing.

c. College/University: One (1) space /classroom plus 3 spaces/100 sq. ft. of classroom. 3 spaces/4 beds for dormitories, fraternities, and sororities.

6. Uses not listed

Off-street parking requirements for those uses not enumerated but which are closely related and similar to the uses listed above shall be ~~determined~~ recommended by the *Planning and Zoning* ~~Board~~*Official* in accordance with the requirements for the listed similar use. Requirements for all non-similar uses shall be set by the *Village Commission* after a recommendation by the Planning and Zoning ~~Board~~Official.

7. Required accessible parking

Parking facilities accessible for persons with disabilities shall be provided as required by the *Florida Building Code*, including in terms of quantity, size, location, and accessibility. Accessible spaces shall be included within the amount of parking that is required in this Chapter.

D. *Exceptions to parking requirements.*

1. Off-site parking areas adjacent to or within a reasonable distance (the reasonableness of the distance to be determined by the Village Commission) from the premises on which parking areas are required by the parking regulations of this subchapter, where practical difficulties or unnecessary hardships are encountered in locating such parking area on the premises and where the purpose of these regulations to relieve congestion in the *Streets* would be best served by permitting such parking off the premises.

2. Waiver or reduction of parking requirements: The Village Commission shall have the authority t~~T~~o waive or reduce the parking and/or loading ~~requirements in any district~~ required in this ULDC for any use of a development. To qualify for such a waiver, an applicant must demonstrate that ~~whenever~~ the character or use of the ~~building~~development is such ~~as to make~~ that it is unnecessary to provide the full provision of parking or loading facilities. For parking reductions in the T6-24 and T6-30

transect zones, see Chapter 15, *Section 15.7.A*.

E. *Design standards.*

~~1.~~ Definition: For the purpose of this subchapter an "off-street parking space" is an all-weather surfaced area, at grade or above, permanently reserved for the temporary storage of one automobile and connected with a *Street* or *Alley* by an all-weather surfaced driveway which affords ingress and egress for an automobile without requiring another automobile to be moved. ~~On single lot sites only, mechanical parking lifts, which may require another automobile to be moved, may be approved within enclosed garage structures in the PRD Overlay District, if they meet the standards of Section 8.10(D)(10)(f)(5). When developing under the PRD regulations found in Section 8.10(D)(10), mechanical parking lifts may be used to create an additional parking space which can be counted towards the total number of required parking spaces.~~

2. Paving and drainage:

a. All off-street parking facilities shall ~~be surfaced with~~ consist of a minimum six-inch rock base or an equivalent material designed to minimize heaving and cracking, and a one-inch minimum durable ~~weatherproof~~ surface ~~asphaltic pavement.~~ "Green" driveways built with recycled materials and/or sustainable drainage systems and materials such as open cell/pervious pavers, pervious concrete, gravel and similar pervious materials are encouraged. Specifications for all permeable driveway materials, including maintenance standards, shall be submitted with a permit application, and approved for use by the Village Engineer or a designee prior to permit issuance. The occupancy or use of a given *Structure* or premises shall be prohibited until the required off-street parking area has been improved, inspected, and approved.

b. All required off-street parking facilities shall be properly drained so that no nuisance will be caused to adjacent or nearby properties. All construction shall comply with design standards as established by all applicable laws, ordinances, and regulations.

c. Maximum vehicular and impervious area of *Front Yard* for single family properties. *Off-Street Parking* shall be placed and configured on each single-family *Lot* or parcel in such a manner that the percentage of total front yard area that is occupied by vehicular use for parking spaces, aisles, driveways and by other impervious surfaces such as walkways, shall not exceed the following:

	Maximum driveway width (feet)	Maximum impervious surface (%) *
One-car linear driveway	14	50
Two-car linear driveway	22	60
Circular driveway	14	60
Ribbon driveway	3 per ribbon with a maximum separation of 3 feet	50

*Inclusive of all impervious surfaces in the front yard

3. Traffic control.
   Traffic control signs and pavement marking shall be used as necessary to ensure safe and efficient circulation within off-street parking areas. All traffic control measures located on private property shall be approved by the *Village*.

4. Parking space dimensions.
   Required and permitted off-street parking spaces shall be clear of columns or other obstructions and have the following minimum dimensions:

Type of Space	Length	Width
Standard	18	9
Handicapped	18	13
Compact	16	8

5. Compact parking spaces
   a. Upon special approval by the *Village Commission* in accordance with the provisions on use exceptions, up to ten percent (10%) of the total approved parking spaces may be dimensioned for small vehicles of the compact or foreign type, provided such spaces are clearly marked "for compact cars only."

   b. Applicants seeking approval for the use of compact parking spaces shall provide valet parking services in perpetuity; and a *Business Tax Receipt* for valet parking services shall be required annually to ensure compliance with this requirement.

6. Handicapped accessible parking spaces.
   All required off-street parking facilities shall be developed in accordance with all applicable provisions of the most recent version of the *Florida Accessibility Code*.

7. Markings
   All off-street parking spaces shall be marked by solid stripes of at least four (4) inches in width along each side of the space, except those sides which permit vehicle entry or abut curbs.

8. Wheel stops
   Wheel stops or continuous curbing shall be placed two (2) feet from the front of all parking spaces, except those in a parallel configuration. Wheel stops shall be at least six (6) feet in width and be of a design and material approved by the *Village*.

9. Illumination
   All off-street parking facilities, except those which serve *Single-Family Residential Dwellings*, shall be illuminated according to the standards contained herein.
   a. For the purpose of this ~~s~~Section, open off-street parking facilities shall include the surface of open-to-the-sky parking spaces, driveways, and accessways. Enclosed

off-street parking facilities shall include multi-level parking garages and covered grade-level parking facilities.

b. Intensity of illumination.

(1) Open parking facilities shall provide an average illumination intensity of one foot-candle equal to one lumen per square foot and shall be well distributed on the pavement areas; however, at no point shall illumination be less than one-third foot-candles.

(2) Enclosed parking facilities shall provide an average illumination intensity of fifty (50) foot-candles at the entrance, ten (10) foot-candles in traffic lanes, and five (5) foot-candles in vehicle storage areas.

(3) The most current edition of the *IES Lighting Handbook*, published by the *Illumination Engineers Society*, shall be used as a standard for the design and testing of parking facility lighting.

c. All site plans shall include a parking facility illumination plan. That plan shall be certified by a registered architect or engineer as providing illumination in accordance with the applicable minimum standards set forth above. Subsequent construction must comply with that lighting plan. If there exists a question concerning whether the work was done in accordance with specifications, the *Village* may require as a prerequisite to the issuance of a certificate of occupancy that the architect or engineer who prepared the plans certify that all work was done in accordance with specifications.

d. All required illumination shall be controlled by automatic devices.

(1) For commercial uses with open or enclosed parking facilities, the required illumination shall be provided at least 30 minutes after the closing time of any establishment served by the parking facility.

(2) Any parking facility that serves a *Multifamily Residential Use* must maintain the minimum levels of illumination established by this subchapter through the use of natural or artificial light 24 hours per day.

e. All lighting shall be shaded or screened and positioned in such a manner as to minimize offensiveness to any neighboring property.

f. All property owners and lessees shall be responsible for the replacement or repair of any light that becomes nonfunctional and reduces the illumination below the required standard.

g. All additional regulations, standards, and requirements stated in *Section 151.26* of the Village Code shall be complied with.

10. Landscaping.

All parking areas shall be properly landscaped according to the provisions of the current Miami-Dade County landscaping ordinance.

a. All landscaped islands shall have the lime rock removed to a depth of 30" and backfilled with a 50/50 soil mix.

11. Right-of-way setback.
A minimum setback of twenty (20) feet shall be required between a public *Street Right-of-Way Line*, exclusive of *Alleys*, and the entrance to the nearest parking space.

12. Maintenance.
a. Off-street parking areas shall be maintained in a clean, orderly, and dust-free condition at the expense of the owner or lessee and not used for the sale, repair, dismantling, or servicing of any vehicles, equipment, materials, or supplies.

b. The surface shall be maintained in a structurally sound condition and free of potholes. A pothole is defined as a crack, hole, aperture or opening in the surface which penetrates beneath the asphalt layer to any depth and is of any diameter.

13. Separation from walkways and streets.
Off-street parking spaces shall be separated from walkways, sidewalks, *Streets*, or *Alleys* by an approved *Wall*, *Fence*, curbing, or other protective device.

14. Entrances and exits.
Location and design of entrances and exits shall be in accordance with the requirements of the *Village*, based upon reasonable requirements for safety traffic regulations and standards. Landscaping, curbing, or approved barriers shall be provided along lot boundaries to control entrance and exit of vehicles or pedestrians.

15. Interior drives.
Interior drives shall be of adequate width to serve a particular design arrangement of parking spaces, as prescribed by the Village.

16. Back-out parking prohibited.
All off-street parking spaces, except those relating to *Single-Family Residential Dwellings*, shall be designed so that no vehicle shall be required to back into a public street *Right-Of-Way* to obtain egress.

17. Minimum aisle widths.
a. Parallel parking maneuvering areas shall be at least.
(1) 13 feet wide for one-way.
(2) 23 feet wide for two-way.

b. 90-degree parking maneuvering areas shall be at least.
(1) 23 feet wide for one-way.
(2) 23 feet wide for two way.

c. 30-degree parking maneuvering areas shall be at least.
(1) 11 feet wide for one-way.
(2) 23 feet wide for two way.

d. 45-degree parking maneuvering areas shall be at least.
(1) 13 feet wide for one-way.
(2) 23 feet wide for two way.

e. 60-degree parking maneuvering areas shall be at least.
(1) 18 feet wide for one-way.
(2) 23 feet wide for two way.

f. Accessway aisles shall be at least.
(1) 13 feet wide for one-way.
(2) 23 feet wide for two way.

18. Additional design criteria.
Minimum off-street parking and loading requirements shall conform to the Village Code relating to parking and loading requirements. Except for one-way drives and access ramps on single lot sites developed under ~~in~~ the PRD standards in *Section 8.10(D)(10)*, the following criteria shall also be considered:

a. Pedestrian circulation facilities, roadways, driveways, and off-street parking and loading areas shall be designed to be safe and convenient.

b. Parking and loading areas, aisles, pedestrian walks, landscaping, and *Open Space* shall be designed as integral parts of an overall development plan and shall be properly related to existing and proposed *Buildings*.

c. Buildings, parking and loading areas, landscaping, and open spaces shall be designed so that pedestrians moving from parking areas to buildings and between buildings are not unreasonably exposed to vehicular traffic.

d. Landscaped, paved, and gradually inclined or flat pedestrian walks shall be provided along the lines of the most intense use, particularly from building entrances to *Streets*, parking areas, and adjacent buildings. Pedestrian walks should be designed to discourage incursions into landscaped areas except at designate crossings.

e. Except for single-family and two-family residences, each off-street parking space shall open directly onto an aisle or driveway that is not a public street.

f. Aisles and driveways shall not be used for parking vehicles, (except that the driveway of a single-family or two-family residence shall be counted as a parking space for the dwelling unit) or as a number of parking spaces as determined by the *Planning and Zoning Official*, based on the size and accessibility of the driveway.

g. The design shall be based on a definite logical system of drive lanes to serve the parking and loading spaces.

h. Parking spaces for all uses, except single-family and two-family residences, shall be designed to permit entry and exit without moving any other motor vehicle.

i. No parking space shall be located as to block access by emergency vehicles

j. Compact car spaces should be located no more and no less conveniently than full-size car spaces and shall be grouped in identifiable clusters.

k. Parking lots and other vehicular use areas are to be designed to be functional and aesthetically enhance neighborhood buildings, groups of buildings, or facility they serve.

l. Off-street loading areas shall be located where they will not disturb adjacent uses and should not be the visual focal point of a driveway, parking area, adjacent properties, or the *Right-of-Way*. This may be accomplished by providing any or a combination of the following: Masonry wall extensions of the building line, opaque landscape screening, berming, and through selective placement or orientation of the loading area.

m. Developments which include out-parcels shall be designed to provide safe and efficient vehicular and pedestrian circulation within the out-parcel, between the out-parcel and the ~~principle~~ principal development and off-site. All pedestrian connections should be well marked and lighted.

n. Sites requiring large areas of surface parking should attempt to distribute parking into smaller areas broken up by intervening areas of landscaping, *Open Space*, and *Buildings* wherever possible rather than aggregating parking into continuous *Street* facing strips.

o. Parking areas must provide adequate drainage.

p. With the exception of temporary parking lots, the landscaped areas of an at-grade parking lot should be defined with a six-inch curb.

q. Parking garages and structures shall contain commercial use on the ground floor and architectural detailing so not to appear as a garage on elevations facing the street.

r. Multiple levels of parking structures should be parallel to *Grade* on waterfront elevations.

s. Stairways and elevators should be glass enclosed or open clearly visible to the street or other populated areas to prevent vandalism.

t. Ramps, stairwells, and any other portion of the garage should be buffered with the use of decorative grilles and screens.

u. Parking garages shall be equipped with fire suppression systems and equipment in compliance with the latest edition of NFPA 88A, Standard for Parking Structures.

F. *Joint use of required off-street parking spaces.*

1. Location of spaces

All parking spaces required herein shall be located on the same parcel with the *Building* or use served, except that where an increase in the number of spaces are provided collectively or used jointly by two or more buildings or establishments, the required spaces may be

located and maintained not to exceed 300 feet from the use being served.

2. Joint use for theaters, auditoriums, nightclubs, and ~~churches~~ *House of Worship*
Up to 50 percent of the parking spaces required for theaters, auditoriums, and *Nightclubs*, and up to 100 percent of the parking spaces required for ~~churches~~ *House of Worship* may be provided and used jointly by banks, offices, retail stores, repair shops, service establishments and similar uses not normally open, used or operated during the same hours as theaters, auditoriums, nightclubs, or ~~churches~~ *House of Worship*; however, a written agreement thereto shall be properly executed and filed as specified below.

3. In any case where the required parking spaces are not located on the same *Lot* with the building or use served, or where such spaces are collectively or jointly provided and used, a written agreement thereby assuring their retention for such purposes, approved as to form by the *Village Attorney*, shall be filed and recorded in the public records of Miami-Dade County, Florida.

4. Refer to Chapter 15, *Section 15.6.C*. ~~– Shared Parking Standards Table~~ for additional regulations in the T6 transect zone.

G. *Space-efficient parking: Mechanical, automated, and robotic parking systems.* Notwithstanding any provision of this Code to the contrary, mechanical, and automated parking lifts or robotic parking systems may be permitted in an enclosed garage structure to serve development in the RM-70 district, subject to the standards in *Section 9.3*. Parking spaces created by a mechanical parking lift may be counted towards the total number of required parking spaces. Access to both standard and mechanical parking may be provided through the use of vehicle elevators.

Mechanical and automated parking devices and/or robotic parking systems may be permitted to satisfy off-street parking requirements, subject to the following standards:

1. Mechanical lifts shall be operated by an attendant or a licensed and insured valet parking company on a 24-hour/seven-days-a-week basis, to be confirmed by restrictive covenant to be recorded by the owner/applicant prior to establishment of the use. Proof of the valet service contract must be provided to the *Village* annually. Between the hours of 5:00 am to 1:00 am, a minimum of two valet parking attendants shall be on duty for each parking lot which utilizes mechanical parking lifts. Between the hours of 1:00 am to 5:00 am, a minimum of one valet parking attendant shall be on duty for each parking lot which utilizes mechanical parking lifts.

2. An attendant or valet is not required for automated parking systems which are independently accessible and can be operated by users without an attendant, provided that the *Parking and Loading Operations Plan* includes a nonoperation plan. Parking spaces shall have clear signage clarifying operations of the spaces to users.

3. Should the operation of a mechanical, automated, or robotic parking system be discontinued, the standards of *Section 9.3.C* shall apply, and the building owner or condominium association shall submit plans to the Village as a Site Plan modification,

demonstrating how the necessary number of parking spaces will be provided.

4. Space-efficient parking systems shall be located within a fully enclosed parking *Structure* and shall not be visible from exterior view. No outside parking lifts shall be permitted.

5. Space-efficient parking systems, including vehicle elevators, and any garage structure wherein these devices are located shall be designed so that the noise or vibration from the operation of the devices shall not be plainly audible to, or felt by, any individual standing outside on property adjacent to the garage structure. Noise and vibration barriers shall be utilized to ensure that surrounding walls or fencing decrease sound and vibration emissions.

6. All space-efficient parking systems and/or car elevators providing access to levels within a garage must be maintained and kept in good working order and must be inspected by a licensed mechanical engineer at least once annually. Space-efficient parking systems shall not result in queuing into any public *Right-of-Way.*

7. All free-standing mechanical and automated parking lifts must be designed so that power is required to lift the car, but that no power is required to lower the car, in order to ensure that the lift can be lowered, and the top vehicle can be accessed in the event of a power outage. Devices shall provide manual override capability.

8. Any *Building* utilizing robotic parking systems and/or car elevators to access parking must include an on-site emergency generator consistent with the requirements of *Section 151.25* of the Village Code, regardless of the height of the building, with sufficient capacity to store and retrieve cards in the event of a power outage.

9. All mechanical and automated lifts must be designed to prevent lowering of the lift when a vehicle is parked, or objects are located below the lift.

10. All mechanical and automated lifts, robotic parking system components, car elevators, and emergency generators shall be *Underwriters Laboratories (UL)* approved.

11. All non-mechanical parking spaces in a garage structure must comply with the dimensional requirements of *subsection 9.3.E.4.*

12. The building owner or condominium association must maintain a service contract with the manufacturer or manufacturer-approved service company at all times to ensure continued operation of the space-efficient parking system components. Proof of the service contract must be provided to the *Village* annually.

13. The ceiling heights of any garage parking level with parking lifts within a garage shall be a minimum of 11 feet six inches.

14. The parking lift platform must be sealed and of a sufficient width and length to completely cover the bottom of the vehicle on the platform to prevent dripping liquids or debris onto the vehicle below.

15. Either the owner or lessee of a parking lot which utilizes space-efficient parking system

shall carry liability insurance which covers any damage, injury, or accident that could occur within the parking lot.

16. The condominium association shall not lease or sell parking spaces and shall not charge for guest parking.

H. *Mechanical parking lifts in the CG District.*
Notwithstanding any provision of this Code to the contrary, mechanical parking lifts are permitted in an enclosed garage structure to serve development in the CG district, subject to the standards in *Section 9.3.G.1* through *14*. Parking spaces created by a mechanical parking lift may be counted towards the total number of required parking spaces, provided that a restrictive covenant in a form acceptable to the *Village Attorney* is executed and recorded prior to the issuance of a Certificate of Occupancy requiring that the parking lifts be operated by a licensed and insured valet parking company.

I. *Structured Parking Facilities.*
All new structured parking facilities shall be constructed to be adaptable for conversion and re-use in the future as a *Habitable Area* for residential, non-residential, or mixed-use development. Construction shall consider factors such as:

1. Flat floor plates;
2. Adequate floor heights, with typical parking levels no less than nine (9) feet;
3. Additional expansion joints;
4. Ramps that can be demolished;
5. Column placement;
6. Additional load potentials; and
7. Provisions for utilities, stairwells, or other life safety needs.

J. *Violations.*

Any violation of the standards of this section shall be guilty of a civil infraction and subject to the procedures and penalties prescribed in Chapter 153 of the Village's Code of Ordinances.

§ 9.4 – Off-street loading and unloading requirements.

A. *General requirements.*

1. Off-street loading facilities required.

At the time of the erection of any multifamily residential or nonresidential use or at the time any such use is altered, enlarged, or increased in capacity by adding *Dwelling Units* or *Floor Area*, there shall be space provided and maintained for the loading and unloading of passengers, materials, goods, or supplies, and for delivery and shipping so that vehicles for these services may use this space without encroaching on or interfering with the public use of *Streets*, parking facilities, and *Alleys* by pedestrians and other vehicles.

2. Continued provision of required loading facilities.

No owner or operator of any such *Structure* or use shall discontinue, dispense with, or cause a discontinuance or reduction in required loading facilities required herein and existing at the time of construction, use, or occupancy without establishing alternate loading facilities which meet the requirements of this subchapter.

3. Modernization, alteration, conversion, or enlargement of structure or use.

When any such structure or use is modernized, altered, converted, or enlarged with a resultant increase in floor area, additional off-street loading spaces that may be required shall be provided, and a revised site plan shall be submitted for review and approval.

4. Restrictions.

No areas supplied to meet required off-street parking facilities shall be utilized for or deemed to meet the requirements for off-street loading facilities.

a. Loading Zones Designated: Freight loading zones and passenger loading zones shall be established and marked by signs.

b. Passenger Loading Zones: No person shall stop, stand, or park a vehicle for any purpose or period of time other than for the loading zone during hours when the regulations applicable to such loading zone are effective, and then only for a period not to exceed three (3) minutes. Any vehicle in a passenger loading zone shall be attended by either a driver or valet at all times.

c. Freight Loading Zones:

(1) Generally:

(a) No person shall stop, stand, or park a vehicle in a place marked as a loading zone, except to load or unload property, during hours when the provisions applicable to such zones are in effect. A stop of loading or unloading property shall not exceed fifteen (15) minutes.

(b) A vehicle driver may stop temporarily at a loading zone to load or unload passengers when stopping will not interfere with any vehicle waiting to enter or about to enter the zone to load or unload property.

(2) Commercial Vehicle Loading Zone: Only commercial vehicles which are properly designated as such may stop, stand, or park in a loading zone designated "Commercial Vehicle Loading Zone." No person shall stop, stand, or park a commercial vehicle in any place marked as a commercial vehicle loading zone during hours when the provisions applicable to such zones are in effect to load and unload commercial property. No stop shall exceed thirty (30) minutes.

5. For off-street loading requirements in the T6 transect zones, see *Section 15.6.D.*

B. *Number of loading spaces required.*

The requirements listed below are for large truck loading spaces, which must meet the dimensional standards provided in subsection C. below. The substitution of a large truck loading space by one or more small truck or passenger loading spaces may be allowed by the Village

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Commission through the site plan approval process, if the size, character, and operation of the proposed use is found to not require the dimensions specified, or waived if the required loading space dimension could not otherwise be provided. Should the size, character or operation of the proposed use change in the future, an administrative approval of site plan amendment shall be required to change the required number and/or size of loading spaces.

1. Retail, personal service, restaurant, or wholesale operation.

Gross Floor Area (sq ft)	Spaces Required
Under 10,000	0
10,000-20,000	1
20,000-40,000	2
40,000-60,000	3
Over 60,000	4

2. Multifamily residential, hotel/motel, office, hospital, spa, place of public assembly or similar use.

Gross Floor Area (sq ft)	Spaces Required
Under 25,000	0
25,000-50,000	1
50,000-100,000	2
Over 100,000	3

C. *Design standards.*

1. Space Dimensions by Loading Zone Type.

Type	Width	Length	Height (Clearance)
Passenger	10	20	7
Small truck	12	25	14
Large truck	12	30	14-1/2

Each off-street loading space shall be easily accessible and arranged for convenient and safe ingress and egress by motor truck or trailer combination.

2. Paving and drainage.

Proposed grading and drainage for off-street loading facilities shall be approved by the *Village*. All loading areas shall be surfaced with a minimum of a rolled six-inch rock base and a one-inch durable weatherproof asphaltic pavement. Loading areas shall be maintained in a manner so as to not create a hazard or nuisance.

3. Joint usage.

Combined or joint off-street loading spaces for two or more uses may be collectively provided if off-street loading facilities are equal in size and capacity to the combined requirements of the several uses and are so located and arranged as to be usable by all.

4. Ingress and egress.

Ingress and egress from loading spaces shall be provided by means of clearly defined drives which lead from public *Rights-of-Way* to clearly defined maneuvering lanes which in turn provide access to individual loading spaces. Configurations which require backing directly onto *Streets*, excluding *Alleys*, from a loading space shall be prohibited.

DIVISION 3, LIMITATIONS OF THE USE OF ON-STREET AND OFF-STREET PARKING AREAS

§ 9.5 – In residential zoning districts.

A. *Storage, sales or repair of merchandise or vehicles; display of signs or advertising devices; and storage or parking of commercial vehicles prohibited.*

The storage, sale or repair of merchandise or vehicles or the display of *Signs* or advertising devices on vehicles, *Structures* or *Land*, and the storage and parking of commercial vehicles as defined in subparagraph ~~(2)(a)~~B., shall not be permitted in any off-street residential parking areas. This provision shall not prohibit persons from parking vehicles in such areas that contain information that is required by any applicable laws, ordinances or regulations, if such information is provided only to the extent and in the manner required by such laws, ordinances or regulations~~, nor shall it prohibit the storage or parking of such commercial vehicles in such areas when such vehicles are owned or controlled by a resident of the appurtenant *Building* and where such vehicles nor any part of them are not visible from the public *Right-of-Way*~~.

B. *Limits on duration and time of parking of commercial vehicles.*

Except as herein provided, in any *Residential District*, it shall be unlawful to park or store any commercial vehicle on any street or public right of way unless they are actively providing a professional service, ~~for a period of time in excess of~~ typically during a period of two hours between 7:00 a.m. and 6:00 p.m., or at any time between 6:00 p.m. and 7:00 a.m.

The term "commercial vehicle," as herein used, shall mean a motor vehicle of one-ton capacity or more or a motor vehicle ~~or~~, trailer, semi tractor, cargo van, truck, bus, or any concession vehicle of any size or capacity which is used in commerce. A motor vehicle shall be conclusively presumed to be used in commerce if the vehicle bears a sign, insignia, trademark, tradename, or business designation of any nature, wherever the same may be located on the vehicle; or the vehicle is used for the transportation of persons or property for compensation. A motor vehicle will be presumed to be used in commerce if, upon visual inspection, it contains equipment and other personal property regularly, normally, and ordinarily used in commerce business or trade, such as, for example, construction tools and equipment, commercial lawn mowers, tractors, ladders, paint, auto mechanics' tools, such as hydraulic jacks, tire changing equipment and

towing equipment. Such presumption shall be subject to rebuttal by competent evidence.

C. *Exceptions to Section 9.5B.*

The fact that a motor vehicle used in commerce as above described is designed for private use or is only used commercially on a part-time basis shall not abrogate or reduce the presumption of use in commerce. Provided, however, that the placement of a temporary (magnetic or otherwise) cover over the sign, insignia, trademark, trade name or business designation shall cause the vehicle to be in compliance.

The foregoing prohibition shall not apply to vehicles used by licensed contractors or service establishments actually doing work on the premises reasonably proximate to the location where parked, nor to vehicles of less than one-ton capacity containing federal, state or local government insignia.

§ 9.6 – In all zoning districts.

A. Limitations on parking or storage of commercial vehicles, truck tractors, semitrailers, tandem trailer trucks and special mobile equipment.

No commercial vehicle, truck tractor, semitrailer, tandem trailer truck or special mobile equipment as hereafter defined shall be parked, stored, sold, or permitted on any parcel of land in any district zoned Parks, ~~or~~ *General Commercial* ("GC"), or T6 transect, except for purposes of loading or unloading or while providing a professional service, and except as provided elsewhere in this ULDC.

B. Definitions.

The following terms shall have the following respective meanings:

1. Truck tractor. Any motor vehicle designed and used primarily for drawing other vehicles and not so constructed to carry a load other than a part of the weight of the vehicle and load so drawn.

2. Semitrailer. Any vehicle with or without motive power other than a pole trailer, designed for carrying persons or property and for being drawn by a motor vehicle and so constructed that some part of its weight and that of its rests upon or is carried by another vehicle.

3. Tandem trailer truck. Any combination of a truck tractor, semitrailer and trailer coupled together so as to operate as a complete unit.

4. Special mobile equipment. Any vehicle not designed or used primarily for the transportation of persons or property and only incidentally operated or moved over a highway, including, but not limited to, ditch digging apparatus, well boring apparatus and road construction and maintenance machinery, such as asphalt spreaders, bituminous mixers, bucket loaders, tractors other than truck tractors, ditchers, leveling graders, finishing machines, motor graders, road rollers, scarifies, earth moving carryalls and scrapers, power shovels and draglines, and self-propelled cranes and earth moving equipment. The term does not include house trailers, dump trucks, truck-mounted transit mixers, cranes or shovels or other vehicles designed for the transportation of persons or

property to which machinery has been attached.

C. Violations.

Any person who parks, or permits parking of a truck tractor, semitrailer, tandem trailer truck or special mobile equipment in violation of this section shall be guilty of a civil infraction and subject to the procedures and penalties prescribed in *Chapter 153* of the Village's Code of Ordinances and subject to applicable Miami-Dade County and state regulations pertaining to parking tickets and towing.

DIVISION 4, LANDSCAPING

[Refer to Ch. 18A, Miami-Dade Landscaping Code]

§ 9.7 – Landscaping guidelines.

A. Landscaping should complement the old Florida/Maritime theme, using native plant materials and street furnishings that carry the theme, and provide continuity throughout the *District*. In addition, public safety will be a priority using the principles of *CPTED (Crime Prevention Through Environmental Design)* to create high visibility areas and natural access control.

B. ~~With regards to~~ The following standards shall apply to landscape design for both new construction and existing buildings~~, the following should apply~~:

1. Landscaping ~~should~~ shall complement and enhance the overall architectural and design theme of the property, but not overpower it.

2. Rhythm ~~should~~ shall be maintained along public streets through the uniform placement of trees.

3. Blank walls greater than twenty-five (25) feet in length and other unattractive areas of a site or *Building* ~~should~~ shall be heavily screened with landscaping. Rooflines or storefronts of twenty-five (25) feet or greater shall be broken by vertical landscaping materials. Shade and accent trees planted at 20-foot intervals shall be required to achieve this screening.

4. ~~Large~~ Surface parking areas and driveways shall be heavily landscaped along their perimeter and with interior and terminal islands. Surface parking areas shall be provided with tree shade, where possible.

5. Landscape design ~~should utilize~~ shall apply the latest CPTED principles of natural surveillance, natural access control and territorial reinforcement.

6. The use of native trees, shrubs and ground covers is encouraged to be incorporated into the landscaping around proposed developments to minimize demand on our local water resources. Local flora ~~will~~ shall be maintained as part of the built environment ~~and the demand on our local water resources will be minimized~~ to provide food and shelter to native animals and to promote biodiversity.

7. ~~The placement and design of landscaping shall maximize visibility to provide natural~~

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~~surveillance.~~

~~8.~~ Landscape design shall ~~incorporate with design of~~ be combined with other physical features of development, such as sidewalk, pavements, lighting, and *Fences*~~;~~ to emphasize public entrances~~,~~ and to define and reinforce ownership of property.

~~9~~8. Tree and palm heights and spread shall allow sufficient visibility, not completely block views of/from doors, windows, and streets.

~~10~~9.Shrubs and ground cover shall be planted along public *Rights-of-Way* or around parking, and public open areas.

1~~1~~0.Landscape design will ~~utilize~~ apply principles of ~~xeriscape~~ Florida-friendly landscaping, while retaining the tropical beach resort atmosphere.

1~~2~~1.Landscape plans must be drawn, signed, and sealed by a Florida registered ~~architect or~~ landscape architect.

1~~3~~2.In addition to these design standards, all landscaping shall meet the standards of the Miami-Dade Landscape Code (*Chapter 18A*).

1~~4~~3.Landscaping in 15-foot line of site triangle at intersections of rights-of-way and at driveways shall conform to height clearances of bushes and trees, and maximum tree calipers in accordance with the *Village* Code.

C. Ornamental trees or palms should be placed in front of buildings in such a manner as to provide visual transparency. Shade trees and palms shall be used adjacent to open spaces, parking lots, and residential streets. Planting areas shall be designed with multi-layers of plant material including shrubs and ground covers.

D. The owner, tenant, and their agents, if any, shall be jointly and severally responsible for the maintenance and protection of all landscaping existing or hereafter installed, which shall be maintained in a healthy growing condition and shall be kept free from refuse and debris. Maintenance shall include watering, weeding, mowing, fertilization, treating, mulching, pruning, removal/replacement of dead or diseased trees and removal of refuse and debris on a regular basis so as to present a neat and well-kept appearance at all times.

§ 9.8 – Landscaping and open space in commercial districts.

Trees improve air quality, reduce storm water runoff, provide cooling effects for the urban heat island, increase property values, and create urban wildlife habitat. They can greatly increase the quality of life in a community. For the purpose~~s~~ of developing a consistent landscape theme within the *Village,* designated street trees and recommended landscape techniques are provided in this ~~s~~Section.

A. Trees shall be provided along streets, except for along Kennedy Causeway, where Royal Palms shall be provided.

B. Provide a minimum of five-foot by five-foot by three and one-half-foot deep tree wells in existing or new sidewalks, provided there is a minimum 36-inch clear area in front of the tree

to permit passing in compliance with ADA requirements. In addition, soils cells shall be included to provide the required root area for the specified trees. Trees may also be located in islands created in the parking zone.

C. Consider the use of continuous street tree trenches to provide maximum soil area for roots to spread, and water and air to penetrate.

D. Allow sufficient room for tree canopies to grow and develop without conflict to other building elements and overhead utilities.

E. Install irrigation systems to provide adequate water to establish and maintain trees.

F. In high pedestrian areas, install tree guards to protect the trunks from damage.

G. Select trees that are adapted to the harsh conditions of a dense urban environment.

H. Trees shall not be placed near overhead utility lines and shall conform to *FPL* requirements in terms of clearance and recommended tree species.

§ 9.8.1 – Green or vegetated wall requirements in the T6-24 and T6-30 transect zones.

Developments in the T6-24 and T6-30 transect zones shall have a minimum twenty percent (20%) *Green or Living Vegetated Walls* to screen the parking structure, in lieu of liners (See also Ch. 15, ~~Section 15.3.A.2.b.5~~ *Section 15.3.C.2.e*).

A. The development shall submit plans and specifications on the type of system being used, such as wall mounted, modular or freestanding, its attachment to the *Structure* and irrigation system, at time of building permit application.

B. The landscape plans must be drawn, signed, and sealed by a Florida registered ~~architect or~~ landscape architect, and include the plant materials being utilized for the *Green Walls*.

C. Plant materials selected should consider climatic conditions, the building characteristics, and the surrounding conditions~~,~~ in which the green wall is inserted. Plants that do not provide a food source, and which discourage nesting sites for birds should also be considered.

D. The plant material must be guaranteed for 18 months and reach 80% coverage within the first year.

E. Plants shall be maintained at regular intervals to ensure plant health and viability. Any dead growth shall be removed and replaced as necessary.

F. Irrigation and drainage systems must be designed and incorporated in a manner that avoids standing water.

§ 9.9 – Plant categories.

Proposed landscape plans for development or redevelopment shall incorporate the following information into the plant list and summary:

Salt Tolerance

High	Plants are highly resistant to salt drift and can be used in exposed environments.
Moderate	Plants tolerate some salt spray, but grow best when protected by *Buildings*, *Fences*, or plantings of salt tolerant species.
Low	Plants have poor salt tolerance and always should be used well back of exposed areas and be protected by buildings, fences, or more salt tolerant species.
None	Plants have extremely low to no salt tolerance and should not be used near exposed areas even if protected.
Light Requirements:	
FS	Full Sun; these conditions are generally required for maximum growth and flowering and are met in southern locations in the landscape.
FS-PS	Full Sun - Partial Shade; plants within this category are adaptable to a range of light conditions. Full sun should be provided but filtered sun through overhead canopy trees is adequate. Eastern, western, and southern locations provide these conditions.
FS-DS	Full Sun - Dense Shade; plants that are quite adaptable to varied light conditions and will grow well in any location in the landscape.
PS-DS	Partial Shade - Dense Shade; plants that require shaded conditions for best growth. These conditions are provided under overhead canopy trees and in northern locations of the landscape.
Foliage	
E	Evergreen
D	Deciduous
SEV	Semi-Evergreen

§ 9.10 – Tree removal and relocation.

A. Before the *Village* issues a tree removal permit that allows the replacement of any tree, the applicant must demonstrate that relocation is not a viable alternative. Relocation shall occur either within the site or off-site with the concurrence of the Village where the site is public property. If any tree is to be relocated either on-site or off-site, a relocation plan shall be submitted in accordance with ~~c~~Chapter 100 of the Village Code of Ordinances.

B. Pursuant to Sec. 163.045 of the Florida Statues, a notice, application, approval, permit, fee, or mitigation for the pruning, trimming, or removal of a tree on a residential property shall not be required, if the property owner possesses documentation from an arborist certified by the ISA or a Florida licensed landscape architect demonstrating that the tree poses an unacceptable risk to persons or property. A tree poses an unacceptable risk if removal is the only means of practically mitigating its risk below moderate, as determined by the tree risk

assessment procedures outlined in Best Management Practices - Tree Risk Assessment, Second Edition (2017). Trees located within the public right-of-way shall not be removed by private property owners.

C. *Methods for relocation*.

The following guidelines shall be utilized to ensure successful transplanting of trees:

1. Any tree being relocated shall not be unnecessarily damaged during removal, transport or replanting of that tree.
2. If the trees have a dormant period, they should be transplanted during that time. Trees should not be transplanted during periods of strong, dry winter winds or during droughts.
3. Provide adequate space for root and crown development.
4. Trees shall be root and canopy pruned according to sound arboricultural standards prior to transplanting.
5. During and following transplanting, the root ball and trunk shall be protected. The root ball must be kept moist at all times from root pruning until establishment.

DIVISION 5, DESIGN STANDARDS FOR COASTAL SITES

§ 9.11 – Miami-Dade County shoreline development review

A. All development directly abutting North Bay Village's shoreline, except single-family and duplex development, is subject to the requirements of the Miami-Dade County Shoreline Development Review (*Ordinance 85-14*) which includes standards for setbacks and visual corridors.

B. An applicant requesting development within the shoreline development review boundary shall obtain approval from the Miami-Dade County *Shoreline Development Review Committee*, prior to issuance of a building permit by North Bay Village. However, applicants are encouraged to meet with staff of the *Development Impact Committee Department* prior to seeking site plan approval from North Bay Village, in order to understand potential points of conflict or inconsistency and to design accordingly.

C. Applicants shall be responsible for coordinating with Miami-Dade County. Applications for shoreline development review ~~are~~ shall be obtained from and submitted to the Miami-Dade County *Development Impact Committee Department* by the applicant.

D. Prior to applying for shoreline development review, approval for construction or structural alteration of any dock, pier, piling, seawall, or any similar *Structure* in or over the waters in the corporate limits of the *Village*, *Village Commission* approval shall be required.

E. Prior to applying for shoreline development review for construction of any marina, approval from both the *Planning and Zoning Board* and Village Commission shall be required.

§ 9.12 – Coastal Construction within Biscayne Bay (North Bay Village Approval)

A. *Definitions.*

For the purpose of this ~~c~~Chapter the following definitions shall apply unless the context clearly indicates or requires a different meaning. These definitions shall be in addition to the definitions contained in *Section 327.02*, Florida Statutes.

1. *Dock*. Any fixed or floating structure for securing boats, loading, or unloading persons or property, or providing access to the water, and includes the term "pier," "wharf," "float" or any other landing facility.
2. *Docking site*. Any "slip," "berth," or space to accommodate a single boat, vessel, or houseboat.
3. *Dolphin or mooring*. Any appliance used to secure a boat or other vessel, other than to a pier, which is not carried aboard the boat or vessel as regular equipment when underway.
4. *Houseboat or floating home*. Any vessel in fact used or designed primarily to be occupied as living quarters and for any business or occupation whatsoever, or for any private or social club of whatsoever nature, including the use thereof for the entertainment or recreation of guests or tenants while same is moored or docked within the corporate limits of the *Village*, whether the vessel is self-propelled or not.
5. *Marina.* A~~ny area~~ licensed facility located within the Village boundaries where one or more sites or locations are rented or offered for rent for the location, mooring, ~~or~~ dockage, or storage of boats, or vessels, or houseboats on land or on water, or to be used for living quarters either permanently or on a temporary basis.
6. *Riparian right-of-way*. The water immediately adjacent to any real property located within the Village limits.
7. *Utility hook-up*. Any connection between the waterfront property or docks and piers appurtenant thereto located within the riparian *Rights-of-Way* and any boat, vessel, or houseboat provided to conduct water, electricity, cable, telephone service, gas, or other utility or sewerage to or from the boat, vessel, or houseboat.
8. *Village Manager*. For purposes of this chapter, "Village Manager" means the *Village Manager* or authorized designee.
9. *Waters of the Village*. All waters within the corporate limits of North Bay Village, whether immediately tangent to one of the islands or a part of *Biscayne Bay*.

B. *Construction and ~~S~~structural ~~A~~alteration.*

1. No person, firm, or corporation shall construct any docks, piers, dolphins, wharfs, pilings, boat lifts, or similar *Structures* of any kind more than fifty (50) feet perpendicular from the seawall or shoreline (not including rip-rap) into any waterway within the corporate limits of the Village, except as provided in *subsection 9.12(B)(5)* below.
2. No dock, pier, wharf, dolphin, piling, boat lift, or similar structure shall be erected in the

Village unless the structure is set back at least seven and one-half (7-½) feet from the lot line on each side.

3. No person, firm, or corporation shall build, repair, reconstruct, extend, or make any structural alteration on any *Building*, dock, pier, dolphin, wharf, piling, boat lift, bulkhead, seawall, or similar structure within the corporate limits of the Village, or do any filling, excavating, or dredging in the waters without first obtaining a building permit to do so from the *Village Building Department*.

4. Application for any permit or the transfer of any permit required by this section shall be made to the Village Building Department in writing on forms provided therefore. The permit shall constitute an agreement by the applicant to comply with all conditions imposed upon granting of the permit. The application shall be accompanied by plans and specifications setting forth in detail the work to be done.

5. Boat lifts and mooring piles may be constructed at existing docks beyond 50 feet from the seawall or shoreline provided:
   a. All proposed structures are limited to boat lifts and/or mooring piles which are not proposed to extend farther from the seawall than existing dock structures.
   b. All proposed structures will not allow a lifted or moored boat to extend farther from the seawall than is possible using the existing dock structures.

6. A safety light shall be placed on the part of the *Structure* (either dock, mooring pile, or boat lift) which is furthest from the seawall. The light shall be illuminated from one half hour prior to sunset to one half hour after sunrise.

7. Any existing docks, piers, dolphins, wharfs, pilings, boat lifts, or similar structures may be repaired or reconstructed in their same footprint, regardless of the dimensional restrictions of this chapter.

C. *Seawall ~~M~~maintenance and ~~E~~enforcement.*

1. It shall be unlawful for any person or entity owning real property abutting the waterways to allow the seawall to be or remain in a state of disrepair.

2. Upon learning that any seawall is in a defective or dangerous condition or is in a state of disrepair, the *Village Manager* shall so notify the property owner or other person(s) having charge of the seawall to immediately repair the seawalls in whatever manner necessary to ensure it meets all applicable regulations governing the same. If such person(s) or entity fail(s) or neglect(s) to make such repairs, the Village Manager shall take whatever action is necessary for the protection of the public, including the hiring of contractors to repair the seawall; charging the cost of such repairs to the property owner or other person(s) having charge of the property; and it shall be a violation of this ~~c~~Chapter for any person to interfere with such actions.

3. If any seawall, or any portion thereof, or any material from such seawall, shall fall into the waters of North Bay Village, it shall be the duty of the owner or other person(s) or entity having charge of the property, to forthwith remove the same from the waters of the

Village. If they shall fail to do so, the Village Manager may do so or hire the appropriate individual or entity to do so; and the cost thereof shall be recovered from the property owner or other person(s) or entity having charge of the seawall as provided in this ~~c~~Chapter.

4. All costs for services, charges, work, or fines incurred by North Bay Village in connection with its action to ensure the protection of the public through repair of any seawall or as a result of violations of this ~~c~~Chapter shall constitute and are hereby imposed as liens against the real property aforesaid and, until fully paid and discharged, shall be imposed as special assessment liens against the subject real property. Such liens shall remain equal in rank and dignity with the lien of ad valorem taxes and shall be superior in rank and dignity to all other liens, encumbrances, titles and claims in, to or against the real property involved. The maximum rate of interest allowable by law shall accrue to such costs for services, charges, work, or fines incurred by North Bay Village. Unpaid costs for services, charges, work, or fines incurred by North Bay Village, together with all penalties imposed thereon, shall remain, and shall constitute liens against the real property involved. Such liens for costs for services, charges, work or fines incurred by North Bay Village shall be enforced by any of the methods provided in North Bay Village Code of Ordinances; or in the alternative foreclosure proceedings may be instituted and prosecuted under the provisions applicable to practice, pleading and procedure for the foreclosure of mortgages on real estate set forth in state law, or may be foreclosed per *Chapter 173*, Florida Statutes or the collection and enforcement of payment thereof may be accomplished by any other method authorized by law. The property owner and/or operator shall pay all costs of collection of fees, including attorney fees and court costs, service charges, penalties and liens imposed by virtue of this ~~c~~Chapter.

D. *Operation of docks in single family zoning districts.*

1. No person, firm, or corporation shall be permitted to lease or use any boat, vessel, or houseboat for living quarters, or to otherwise occupy same, on a permanent basis in any area of the *Village* zoned *RS-1*, and *RS-2*. Owners of private docks in those zoned areas will be permitted "utility hook-ups" to one boat from any dock which may be erected upon the riparian *Right-o-Way* abutting their property.

2. The renting of such docks or dock bases, moorings, dolphins or seawalls, and the rental of boats or any portion thereof, for any purpose whatsoever, shall be specifically prohibited in areas of the Village zoned RS-1 and RS-2 and, further, residing on boats within the Village limits is prohibited, except where the docks constitute a part of a marina, a yacht club, *Hotel*, or *Motel*.

3. No docks, dockheads, moorings, dolphins, seawalls or other docking facility shall be used for the docking or storage of any vessel, barge or similar boat used for transport or storage of goods, materials, or debris of any kind unless such vessel, barge or boat has a Boat Mooring Permit pursuant to *Section 150.16(A)* and such goods and materials: 1) are being utilized for construction on the adjacent upland property, or 2) are being loaded or unloaded to the adjacent upland property.

E. *Application procedure for ~~M~~marinas.*

All marina plans shall be approved by the *U.S. Corps of Engineers*, state internal improvement board, *Village Engineer*, building official, *Village Manager*, the *Planning and Zoning Board*, and Miami-Dade County *DERM*, prior to being submitted to the *Village Commission* for its approval. A marina plan, as defined in Sec. 9.12.A., may be submitted as part of a site plan approval application.

~~Marina is defined as any area within the Village where one or more sites or locations are rented or offered for rent for the location or dockage of boats, or vessels, or houseboats on land or on water.~~

There ~~are~~ shall be two classifications for marinas:

1. *Ancillary*. A secondary operation to the *Primary Function* of a *Hotel*, apartment building, condominium, residential community, or club which permits the use of the facilities exclusively to the tenants, residents, or guests of the ~~hotel or club~~ facility or development.
2. *Business*. Any marina not included in the foregoing definition of "ancillary."

F. *Design guidelines for ~~M~~marinas.*

1. Each space intended for a vessel must be provided with an anti-backflow valve, a sewer connection and proper equipment to reach the *Village* sewer line, and a permanent supply of electricity.
2. Each boat berth or docking site must provide one automobile parking space.
3. Before any license shall be issued or renewed for any line or pipe carrying inflammable fuel or other fluid, the *Village Engineer* must examine and approve the facilities.

G. *Coastal ~~C~~construction ~~V~~variances.*

1. Purpose and intent. The purpose and intent of this ~~s~~Section is to provide relief and flexibility from the strict enforcement of the provisions of *Section 9.12*.
2. Procedure for consideration of a coastal construction variance.
   a. The *Planning and Zoning Board* shall hold a public hearing to consider a request for a coastal construction variance and shall recommend to the *Village Commission*, approval, approval with conditions, or denial of the variance. The Board shall consider the criteria of *Section 9.12(G)(3)* in their decision making.
   b. Following a recommendation from the Planning and Zoning Board, the Village Commission shall have the power, after a public hearing, to vary or adopt the strict application of the requirements of *Section 9.12*, and to prescribe appropriate conditions and safeguards associated with the granting of a coastal construction variance. The Commission shall consider the criteria of *Section 9.12(G)(3)* in their decision making.
2. Coastal construction variance review criteria. Coastal variances shall be reviewed based on the following criteria:

A. Whether or not the variance will be in harmony with the general appearance and character of the community.

B. Whether or not the variance will be injurious to the area involved or otherwise detrimental to the public welfare.

C. Whether or not the improvement is designed and arranged on the site in a manner that minimizes aerial and visual impact on the adjacent residences.

D. Whether or not the Applicant has provided to the *Village* letter(s) of consent from adjoining riparian property owners.

E. Whether or not the Village has received any letter(s) of objection from adjoining riparian property owners.

F. Any other factors relevant to the specific site.

3. Expiration of coastal construction variance. After the *Village Commission* has granted a variance, the variance so approved or granted shall expire after two (2) years, measured from the date of final Commission action, if no substantial construction or change of use has taken place in accordance with the plans for which the variance was granted.

4. Reapplication for a coastal construction variance. No application for a variance shall be filed less than one year after the date of denial by the Village Commission of an application for a variance involving the property, riparian area, or any portion thereof.

DIVISION 6, OTHER DESIGN GUIDELINES

§ 9.13 – Building and site design ~~relationships shall conform to the following standards.~~

The design, function and appearance of all buildings should reflect and fit into North Bay Village's long-term vision. All new and substantial development and redevelopment in the Village shall observe the following guidelines.

~~*[Editor's note: See Chapter 15.]*~~For specific building and site design requirements in the T6 transect zones, refer to Chapter 15.

A. Site design relationships.

Neighboring buildings of similar size and massing work together to create a pleasing streetscape and provide consistency between adjacent buildings with different uses. Design compatibility is not about simply replicating the scale or architectural styles of nearby buildings, but about responding to identifiable patterns of development. Compatibility factors include but are not limited to building height, scale, orientation, architectural design, and materials; roof lines; and landscaping elements.

1. Site plans shall reflect a coherent overall design character.

2. Site and building design shall incorporate environmental design thinking that emphasizes contextual climate design principles, including but not limited to energy-efficient features and

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mitigation and adaptation techniques.

3. Site context is an important consideration when determining the location, size, and shape of each building. The design of each structure, and the overall site plan, shall reflect consideration of a site's specific conditions.

4. Site layout considerations such as, but not limited to setbacks, building orientation, and parking location shall be applied to create pedestrian-oriented environments.

5. Building heights shall, when possible, be compatible with those adjacent structures and otherwise incorporate sensitive transitions in height between lower and taller structures.

6. Setbacks and variable roof heights shall be used to divide building masses into increments that correspond to the scale and massing of neighboring structures.

7. Larger developments shall incorporate squares, plazas, or other types of usable urban open space designed with comfortable and safe pedestrian amenities.

8. Where necessary, landscaping and trees may be used as a visual buffer between new and existing development.

9. End of block or corner sites that are visible from long distances shall be treated as development gateways or focal points through careful architectural detailing. Depending on their location and design intent, buildings on such sites shall incorporate a generous entry and/or extra space for pedestrians.

10. Shared parking and interconnectivity among compatible uses that are located adjacent to one another is encouraged.

B. Building Design.

The overall design of a building shall be used to express an architectural identity and aesthetic language, which shall be harmonious with those of adjacent development.

~~A~~1. *Buildings* or *Structures* ~~located along strips of land or on single sites and~~ that are not part of a unified multi-building complex shall strive to achieve visual harmony with the surroundings.

~~B~~2. Retail, restaurant, service, or office establishments~~,~~ which are located on corners of a ground floor~~, are recommended to~~ shall, if appropriate, ~~place~~ have windows on each wall that faces a *Street*~~, parking area or driveways~~.

~~C~~3. In the case of buildings with multiple storefronts ~~and shopping centers~~ or complexes with out-parcel development, facade treatment shall be coordinated for the entire development. ~~Such f~~Facade treatments shall include but are not limited to building colors, ~~building, floors,~~ materials and finishes, fenestration, storefront design, signage design, use of sculptural elements and architectural details such as banding, colonnades, railings, overhangs, cornices, canopies, and awnings, roof forms, materials, and ~~roof~~ pitch.

~~D~~4. All vending machines, any facility dispensing merchandise, or a service on private property shall be confined to a space built into the *Building* or buildings or enclosed in a separate

Structure compatible with the *Main Building*.

~~E~~5. ~~When g~~Garage structures ~~are~~when provided, ~~such~~ shall be designed to incorporate ~~a~~ decorative ~~grid treatment~~ screening into the structure's facade at ground level.

~~F~~6. Buildings and individual s~~S~~torefronts shall have easily identifiable entrances.

~~G~~7. Window displays shall be done in such a manner as to capture the pedestrian's attention, establishing a positive and professional image for the business, and informing the potential customers of the merchandise.

~~H~~8. "Take out" or "pick up" windows for retail or other establishments shall not be located on a building facade that faces a public *Right-of-Way*, unless they are designed in such a manner as to be an aesthetic asset to the building and neighborhood.

~~I~~9. Roof-mounted mechanical equipment and elevator shafts shall be screened by a parapet wall or decorative grills; ~~and~~ shall be painted in muted colors or match the building; and shall not be visible from the street.

~~J~~10. All service bays, mechanical (e.g., HVAC) equipment and delivery areas shall be buffered/screened, located away from and not visible by pedestrians from the streets, waterways, sidewalks, and adjacent properties.

~~K. Service bays, ground-mounted air conditioning units and other mechanical equipment shall be buffered and completely screened from public and on-site pedestrian view.~~

~~L~~11. Exterior service bays and delivery areas shall not be used for the storage of vehicles or materials.

~~M~~12. The sale, dismantling or servicing of any vehicles, equipment, materials, or supplies shall not take place within the service area or delivery area.

~~N~~13. Driveways and loading spaces associated with exterior service bays shall be so that vehicles using the space do not hinder the use of traffic lanes, streets, or adjacent properties.

~~O. Prefabricated homes are prohibited in new construction.~~

~~*P. Fences* shall be made of wrought iron or aluminum bars with intermittent posts. Masonry *Walls* are also permitted, with 40 percent of the wall opaque. Chain link fences and privacy wood fences are prohibited along the Corridors. Sharp projections, barbed wire or other hazardous materials are not permitted as any part of a fence or wall. Wrought iron and aluminum bar fences shall be either black, white or match the color of the building. Masonry walls shall match the building color or reflect Florida coastal themes. Color shall be muted tones.~~

~~Q~~14. Reflective/mirrored glass shall be discouraged as a façade treatment.

~~R~~15. Buildings shall not have unfinished surfaces visible to the public.

16. Buildings fronting a street shall have a pedestrian scale and orientation, with a recognizable entrance facing the public street and design features such as porches, windows, cornices, and similar details used to reduce the apparent size of a building at the ground level.

17. The impact of a long facade shall be minimized by using façade articulation and, where possible, by breaking up the volume of a single building.

18. The design and location of balconies shall reinforce the overall building form.

~~§ 9.14 – New construction.~~

~~Buildings should have a recognizable entrance facing the public Street.~~

~~A. The dDesign and location of balconies should reinforce the building form.~~

~~B. All projects should consider the overall form, and detail of the Building. Box buildings are discouraged.~~

~~§ 9.15 – Site design relationships.~~

~~The coordination of architectural design facade components establishes an identity for an office building, industrial building or shopping plaza. Therefore, for all unified developments and shopping centers including *Principal Buildings* and out parcel development, all *Buildings* and *Signage* shall demonstrate compatibility in materials and consistency in style throughout all exterior elevations. The following standards shall apply to all new and substantial development. Buildings and signage shall demonstrate the following:~~

~~A. Compatibility with adjacent land uses in terms of scale and *Lot Coverage*.~~

~~B. Utilize color schemes that blend with those of neighboring developments, as well as consistency in color schemes for the site. Accent colors and materials shall be chosen to enhance architectural detail.~~

~~C. In the case of buildings with multiple storefronts and shopping centers with out-parcel development, facade treatments shall be coordinated and have like details. Such facade treatments include building colors, building, floors, storefront, signage, awnings, roof materials, and roof pitch.~~

~~D. Building signs shall be designed as integral architectural elements with proportions related to the surfaces to which they are attached.~~

§ 9.16~~4~~ – Balcony enclosures.

~~This s~~Section refers to the ~~prohibition of t~~Approval of the enclosure of a balcony on an existing *Residential Multifamily Building* shall be subject to the ~~as~~ follow~~s~~ing criteria:

A. The enclosure shall not substantially alter~~s~~ the architectural pattern of the *Building*.

B. The enclosure ~~does not~~ shall match *Wall* and window designs.

C. The enclosure ~~may result in serious~~ shall be designed to prevent any structural and/or water damage.

D. The enclosure ~~does~~ shall not front on a public street.

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

E. Reserved.

F. The enclosure ~~may~~ shall not alter the building's *Floor Area Ratio (FAR)* or Floor Lot Ratio (FLR).

G. Applications for enclosures shall meet all *Building* and *Village Code* standards.

§ 9.17~~5~~5 – Shutters.

A. Roll up or accordion shutters are permitted on ground floor fronting a public *Street* when constructed of a see-through, non-solid grate material. The casing for the grilles should be painted to match the *Building*.

B. Roll up or accordion shutters are permitted on upper floors if all match in building.

C. Shutters shall not be used to enclose balconies.

§ 9.18~~6~~6 – Bay~~view~~front development.

A. *Buildings* ~~should~~shall provide view/light/breeze corridors to the *Bay*.

B. Building pedestals ~~should~~shall not form continuous sheer walls along the bay. Decorative surfaces, multi-level decks, berming, and sufficient setbacks shall be used to reduce the impact of the pedestal.

C. Buildings ~~should~~shall be designed with distinctive architectural forms. Stepped ~~form~~ profiles and distinctive roof lines shall be used to create a more interesting skyline and increase building recognition.

D. Pool decks ~~should~~shall include landscaping to provide shade and support a tropical image.

E. All bayfront projects in the *RM-70* ~~and~~ *CG* *T6 zoning districts* shall provide ~~bay walkways~~ Island Walks along the rear of the property, ~~which can~~ designed to be connected to ~~other~~ adjacent properties.

F. See *Chapter 15* for design requirements in the T6 transect zone.

§ 9.19~~7~~7 – Residential building ~~C~~color palette.

A. The Village ~~supports a~~ encourages the use of harmonious, context-appropriate building colors ~~criteria~~ for all residential *Buildings* and *Accessory Structures*. The ~~design~~ purpose of these guidelines is to enhance the appearance of residential development within the *Village*, ~~which will~~ to maintain neighborhood continuity and to improve and/or maintain property values for all Village residents and property owners. High intensity and neon colors are prohibited in residential neighborhoods.

B. Colors for buildings should be expressed as follows:

1. *Base building colors - Primary building walls*. This color category relates to the main area of walls on the *Building*. Recommended colors include whites through soft pastel colors such as grays, pinks, yellows, greens, and blues. Other colors may include deeper but muted indigenous earthen or indigenous colors such as beiges, clays, light

gold, and terracotta.

2. *Secondary building colors - Larger "trim" areas such as a lower building base, building design details, or accent trim around windows and doors*. These colors are used for larger trim areas of the building and are limited to mid-range intensity of the base building or complementary color. Secondary colors shall be limited to 25 percent of the major surface plane they are used upon.

3. *Trim colors - Small area of color such as decorative trim along rooflines, and areas around windows, doors, frames, and signage.* Trim colors are used for accent purposes and are the most intensive group of colors allowed. They shall be limited to not more than five percent of the building surface. These trim colors are usually darker and more intense than other colors. Dark blues, greens and even reds are appropriate. Light colors for trim, including whites and beiges are encouraged.

§ 9.2018 – Commercial, mixed-use and institutional building specific color palette.

Color shouldshall be chosen to add to enhance and complement the retail environment nature, architecture and context of these *Buildings*. Color schemes shall be simple and coordinated over the entire building or development to establish a sense of overall cohesiveness. More latitude will be given to color use in these types of buildings than is given to other types of buildings within the *Village* (e.g., buildings in residential neighborhoods). The use of cColor shall not be used to attract attention to a business or use (using the building or wall colors as a sign) from a distance is prohibited.

A. *Primary building colors.* This color category relates to the main area of *Walls* on the building. Recommended colors include whites through soft pastel colors such as grays, pinks, yellows, greens, and blues. Other colors may include deeper but muted indigenous earthen or indigenous colors such as beiges, clays, light gold, and terra-cotta.

AB. *Secondary building colors*. These colors are used for larger trim areas of the building and are limited to mid-range intensity of the base building or complementary color. Secondary colors shall be limited to 50 percent of the major surface plane they are used upon. Colors that are associated with a business identity also fall into this category provided they are not overly intensive. Base and secondary colors are interchangeable in proportion and hue.

BC. *Trim colors.* Trim colors are used for accent purposes and are the most intensive group of colors allowed. In addition to business identifying colors, it is encouraged that trim colors be chosen from the "natural palette" of South Florida. These colors include greens, blues, yellows, and others that are found in the regions lush landscape, and natural features. These colors shall be limited to five percent of any single wall area.

§ 9.2119 – Exterior lighting.

A. Parking lot fixtures are to shall be selected not only for their functional value, but also for their aesthetic qualities. They a are to shall be considered furniture of the parking lot visible both day and night. Decorative lLight fixtures used within public view in new development

and redevelopment ~~the district shall be decorative for new development or redevelopment within public view and are encouraged throughout the development. The decorative fixtures~~ shall be of a style that compliments, and is used cohesively throughout, the development. Cobra heads are prohibited ~~within a development~~. Shoe box units may be used but are discouraged at entrances and exits.

B. Parking area lighting ~~should~~ shall complement the lighting of adjacent *Streets* and properties, and ~~should~~ shall use consistent fixtures, source colors, and illumination levels.

C. Light fixtures in parking lots ~~should~~ shall be a maximum height of twenty (20) feet.

D. Poles ~~should~~ shall be placed to provide a unified, organized appearance throughout the parking area or development and ~~should~~ shall provide even and uniform light distribution. The use of a greater number of low fixtures in a well-organized pattern is preferred over the use of a ~~minimum~~ lesser number of tall fixtures.

E. Outdoor storage areas including auto and truck parking and storage ~~should~~ shall be illuminated from poles similar to those used for parking lot lighting, but at lower illumination levels.

F. Parking lot ~~and security lighting~~ shall ~~be designed to~~ direct light into the property and not spill over onto adjacent streets or properties.

G. Security lighting ~~should~~ shall be limited to low-intensity specialty fixtures. The light source ~~should~~ shall not be visible from the street or adjoining properties. ~~Other~~ Wwall mounted, ~~security lighting is~~flood-light-style fixtures are discouraged.

H. Building lighting ~~should~~ shall be used to highlight specific architectural features. Lighting of architectural features ~~should~~ shall be designed with the intent of providing accent and interest or to help identify entry and not to exhibit or advertise buildings or their lots.

I. Neon is discouraged ~~to~~ as a border for windows or to create a false sense of architectur~~e~~al detail or accent.

J. ~~The use of neon as an architectural accent is discouraged.~~

~~K.~~ When pedestrian lighting is used in conjunction with street lighting, the pedestrian lighting ~~should~~ shall be clearly distinguishable from the ambient street lighting to clearly define the pedestrian path of travel.

~~L~~K. When adjacent to pedestrian circulation and gathering areas, parking area lighting ~~should~~ shall not overpower the quality of pedestrian area lighting.

~~M~~L. Lighting ~~should~~ shall be designed to provide even and uniform light distribution without hot spots, dark spots, or glare. Lighting ~~should~~ shall ~~be designed to~~ minimize dark areas that could pose a security concern near pedestrian areas. Pedestrian circulation systems ~~should~~ shall be highlighted by visible light sources that clearly indicate the path of travel ahead.

~~N~~M. Placement of fixtures ~~should~~ shall provide a coordinated and organized appearance that facilitates uniform light levels and works with the placement of sidewalks, landscaping,

signage, building entries, and other features to contribute to the overall continuity of the streetscape and development.

~~O~~P. Accent lighting of landscape areas ~~should~~ shall be low level and background in appearance.

~~P~~Q. The color of the light sources shall be consistent throughout the project. High pressure sodium lamps ~~are~~ shall not be permitted.

~~Q~~R. Decorative accent lighting of landscape features, at entrances and exits is recommended.

~~R~~S. All new or replaced exterior fixtures shall be *Energy-Star* qualified *LED* (Light Emitting Diode) type fixtures.

~~S~~T. All rooftop terrace lighting shall be positioned and shielded to prevent light from spilling beyond the vertical extension of the exterior walls of the floor/story immediately beneath the rooftop terrace.

§ 9.22~~0~~ – Access, public rights-of-way, and utilities.

Off-site improvements associated with new development or redevelopment shall be subject to the following:

A. Public use of existing and future *Rights-of-Way* ~~should~~ shall be enhanced through thoughtful vehicular and pedestrian improvements, and good maintenance. Existing public rights-of-way should be used directly to benefit the public.

B. Off-site improvements shall be consistent with the *Village*'s established specifications for such improvements or be subject to *Village Commission* approval.

C. Drainage and disposition of natural and storm water shall be designed to be compatible with existing systems and shall meet the Village's most up-to-date standards.

D. New, replacement, or upgraded on-site utilities and other services shall be provided underground. If at all possible, new, replacement or upgraded utilities and other services provided within public *Rights-of-Way* must also be placed underground. Where an approved master plan of improvements calls for underground utilities and other services in the right-of-way, the improvements ~~should~~ shall be consistent with and implement the master plan.

~~E. Off-site improvements associated with new development or redevelopment shall be subject to the following:~~

~~1. Public use of existing and future rights-of-way should be enhanced through thoughtful vehicular and pedestrian improvements, and good maintenance. Existing public rights-of-way should be used directly to benefit the public.~~

~~2. Off-site improvements shall be consistent with the Village's established specifications for such improvements or be subject to Village Commission approval.~~

~~3. Drainage and disposition of natural and storm water shall be designed to be compatible with existing systems.~~

4. ~~New, replacement, or upgraded on-site utilities and other services shall be provided underground. If at all possible, new, replacement or upgraded utilities and other services provided within public rights-of-way must also be placed underground. Where an approved master plan of improvements calls for underground utilities and other services in the right-of-way, the improvements should be consistent with and implement the master plan.~~

§ 9.231 – Crime prevention through environmental design (CPTED).

The U.S. Government "Crime Prevention Through Environmental Design Program" (*CPTED*) incorporates architectural solutions to reduce the opportunity of crime. Elimination of recessed entryways, provision of adequate lighting and proper design of spaces will reduce the possibility of criminal activity.

CPTED strategies should not be applied in a “cookie-cutter” manner, but thoughtfully applied to create interventions customized to a design. Designers should employ the latest generation of CPTED principles, and avoid the use of hostile architecture, excessive use of target hardening, and overfortification of buildings to actively enact social exclusion of particular populations.

A. Building mounted lighting shall be installed on *Alley* frontage and *Side Yards*. This is particularly recommended at service/delivery entrances.

B. Windows in the alleys or sides provide the appearance of natural surveillance and may discourage break-ins. Such windows shall not be blocked up.

C. See through fences and gates of metal pickets shall be located to discourage uncontrolled access to service/delivery areas.

D. Hiding places and blind corners shall be eliminated from *Site/Building*, where possible.

E. The concept of natural surveillance, visibility by the public (shoppers, pedestrians, motorists, and/or personnel) shall be incorporated into the design where possible.

F. Landscaping shall be designed to discourage and minimize the possibility of crime. Tree heights/spread shall allow sufficient visibility, not completely block views of/from doors and windows. Shrubs shall not be planted where they may become hiding places.

G. Blank walls shall be avoided in the design of ground floors to curtail hostile walking environments.

H. The use of studs, spikes, water, loud music, and similar tools and devices for hostile or defensive design purposes shall be avoided.

§ 9.242 – Synthetic turf.

Synthetic turf may be permitted on all properties used for residential, mixed-use, or commercial purposes, subject to the requirements and procedures set forth in this ~~s~~Section.

A. Synthetic turf shall comply with all the following design standards and shall:

1. Simulate the appearance of live turf, organic turf, grass, sod or lawn, as determined by the *Public Works Director* or designee, and the *Village Manager* or designee, and shall have a minimum eight-year "no fade" warranty.
2. Be of a type known as cut pile infill with pile fibers of a minimum height of 1.75 inches and a maximum height of 2.5 inches.
3. Have a minimum face weight of 75 ounces per square yard.
4. Be manufactured from polyethylene monofilament, dual yarn system, and manufactured in the United States.
5. Have backing that is permeable.
6. Be lead free and flame retardant.
7. Shall not exceed more than 20% of the plantable area of a *Yard*.

B. Synthetic turf shall comply with all the following installation standards and shall:
1. Be installed by a Florida-licensed general contractor or Florida-licensed landscape architect in a manner prescribed by the manufacturer.
2. Be installed over a subgrade prepared to provide positive drainage and an evenly graded mass of porous crushed rock aggregate material that is a minimum of three (3) inches in depth.
3. Be anchored at all edges and seams.
4. Not have visible seams between multiple panels.
5. Have seams that are joined in a tight and secure manner.
6. Have an infill medium consisting of clean silica sand or other mixture, pursuant to the manufacturer's specifications or as approved by the *Public Works Director*, that shall:
   a. Be brushed into the fibers to ensure that the fibers remain in an upright position;
   b. Provide ballast that will help hold the turf in place; and
   c. Provide a cushioning effect.

C. Synthetic turf shall comply with all the following additional standards:
1. Areas of living plant material shall be installed and/or maintained in conjunction with the installation of synthetic turf when utilized in the *Front Yard Area*. Living plant material shall include a combination of two or more shrubs, vines, trees, or groundcovers in separate planter areas and/or tree wells.
2. Synthetic turf shall be separated from planter areas and tree wells by a concrete mow strip, bender board or other barrier with a minimum three-eighths-inch thickness to prevent the intrusion of living plant material into the synthetic turf.
3. Irrigation systems proximate to the synthetic turf shall be capped, directed, or otherwise treated so that no irrigation affects the synthetic turf.

D. Synthetic turf shall comply with all the following maintenance standards and shall:
   1. Be maintained in an attractive and clean condition, and shall not contain holes, tears, stains, discoloration, seam separations, uplifted surfaces or edges, heat degradation or excessive wear.
   2. Be maintained in a green fadeless condition and free of weeds, debris, and impressions.

E. All uses of synthetic turf shall require a building permit. The building permit application shall include, at a minimum, all the following information:
   1. A complete landscape plan showing the area of synthetic turf, area of living plant material, and area and method of separation between these areas.
   2. Details regarding existing or proposed irrigation proximate to the synthetic turf.
   3. Brand and type of synthetic turf, including all manufacturer specifications and warranties.
   4. A scaled cross section and details of the proposed materials and installation, including but not limited to subgrade, drainage, base or leveling layer, and infill.
   5. A survey of the property, signed and sealed by a licensed surveyor, depicting all existing easements located on the property.
   6. A form signed by any holder of an easement or right-of-way on the property consenting to the installation of the synthetic turf within the *Easement* or *Rights-of-Way*, with an accompanying acknowledgement by the property owner that in the event the easement holder performs work in the easement that it is the property owner's responsibility to repair and replace the synthetic turf disturbed as a result of the work in the easement.

F. Synthetic turf proposed within a public right-of-way, shall only be installed upon the authorization of the *Public Works Director* and the ~~City~~*Village Manager*.

§ 9.25<u>3</u> – Green walls.

A *Green Wall*, also referred to as a living wall or a vertical garden, is an internal or external wall partially or completely covered with vegetation that includes a support *Structure*, growing medium, and integrated water delivery system. Green walls can contain one planting bed in the ground at the base of the wall; this is limited to one or two story *Buildings* with vine coverage; planting boxes at the bases of each floor for multi-story buildings, or individual planting cells uniformly dispersed over the entirely of the side of the structure. Green walls can conserve energy, promote a healthy landscape, support public health and safety, and otherwise increase a development's sustainability. The provisions in this subsection are the minimum landscape requirements of the *Village* pertaining to external green walls.

A. A decorative wall containing only artificial plants in not considered a green wall per this subsection; should artificial plant material be included in conjunction with a green wall the following applies:
   1. It cannot exceed more than 10% of the total proposed green wall area,
   2. The area of artificial material must be clustered in no more than two (2) distinct locations,

3. It must have the appearance of living materials,
4. It must be maintained in a green fadeless condition, and
5. The area of artificial materials will not be included within the area delineated as green wall utilized for points in the *Green Building Program* per Division 5 of Chapter 8.

B. Installation of a green wall shall require a building permit. The plan set submitted for the building permit application shall include, at a minimum, the following:
1. The delineation of and the total area of green wall,
2. The specifications for the irrigation system,
3. The structural components of the support system and demonstrated compliance with the *Florida Building Code*,
4. Identification of the planting medium, and the structure, size, and location of planting cells and/or planting beds,
5. A planting chart that includes plant identification, quantities, and specifications,
6. The plant installation specifications including how vines/plants will initially be fastened to the *Structure*, and
7. The long-term plant fertilization and maintenance regime.

C. A green wall shall comply with all the following installation standards:
1. Shall include an irrigation system,
2. The area delineated as green wall shall contain 100% living plant material and shall not incorporate artificial plant material into the green wall.
3. A green wall twenty (20) feet or less in height beginning at the ground level:
   a. May be constructed with a single in-the-ground planting bed at the base of the *wall*,
   b. The planting bed and plant installation shall comply with the provisions of §§*Section 9.7 D.* within this Chapter-,
   c. Vine type plant materials capable of achieving a 20-foot height and the coverage requirements of the Section shall be installed, ~~and~~
   d. Installed material shall be at least 4' height upon installation, and
   e. Installed material shall be of sufficient density and fulness to meet at least 20% coverage of the delineated green wall area upon installation.
4. Green walls greater than twenty (20) feet in height:
   a. Shall have planting cells uniformly dispersed over the entire green wall area or have planting beds at multiple heights along the green wall area,
   b. Planting cells and planting beds shall be of sufficient size, spacing, and quantity to provide for a minimum of at least 60% coverage by installed plant materials on the delineated green wall area upon installation, and

c. Installed material shall be of sufficient density and fulness to meet at least 60% coverage of the delineated green wall area upon installation.

D. All green walls shall comply with the following additional standards:
1. Installed plants shall be maintained and replaced as needed to ensure at minimum of 85% viability of quantity of installed material,
2. Installed material shall attain an 95% coverage of the delineated green wall within one year of installation, and
3. The green wall shall be maintained in an attractive condition free of weeds, debris, and structural defects.

E. The *Village* reserves the right to require a bond upon application for a green wall to ensure maintenance and viability for the first year after installation.

F. On a case by cases basis, at the discretion of the *Village Manager* or designee, a green wall may meet some or all of a perimeter landscape buffer planting requirement. Adjacent properties and uses, and size of green wall will be contributing factors in this decision.

§ 9.2~~6~~4 – Green roof.

A *Green Roof*, also referred to as a living roof, is a roof of a *Building* that is partially or completely covered with living vegetation and a growing medium, planted over a waterproofing membrane. A green roof also includes additional layers such as a root barrier and drainage and irrigation systems. A green roof can be comprised of a single planting bed or multiple individual planting bed components integrated as a single roof system. Green roofs can conserve energy, promote a healthy landscape, support public health and safety, and otherwise increase a development's sustainability. The provisions in this ~~s~~Section are the minimum landscape requirements of the *Village* pertaining to green roofs.

A. Installation of a green roof shall require a building permit. The plan set submitted for the building permit application shall include, at a minimum, the following:
1. A delineation of and the total area of the green roof,
2. Specifications for the irrigation system,
3. Specification on the structural components of the green roof system and demonstrated compliance with the *Florida Building Code*,
4. Identification of the planting medium, and structure and location of planting cells if comprised of multiple integrated component beds,
5. A planting chart that includes plant identification, quantities, and specifications,
6. Plant installation specifications, and
7. A long-term plant fertilization and a maintenance regime.

B. A green roof shall comply with all the following installation standards:
1. Shall include an irrigation system, and

2. Plant material shall meet at least 85% coverage of the delineated green roof area upon installation.

C. A green roof shall comply with the following additional standards:
   1. Installed plants shall be maintained and replaced as needed to ensure at minimum of 85% viability of quantity of installed material,
   2. Installed material shall attain an 100% coverage of the delineated green roof area within one year of installation, and
   3. The green roof shall be maintained in an attractive condition free of weeds, debris, and structural defects.

D. The Village reserves the right to require a bond upon application for a green roof to ensure maintenance and viability for the first year after installation.

E. On a case by cases basis, at the discretion of the *Village Manager* or designee, a green roof may contribute to landscape buffer requirements. Adjacent properties and uses, and size of green roof will be contributing factors in this decision.

§ 9.27~~5~~ – Vegetable garden.

Nothing in this ~~c~~Code precludes a property owner from installing and maintaining a vegetable garden.

A. A vegetable garden must be maintained in accordance with §*Section 9.7. D*. of this Chapter. Planting seasonal vegetables is encouraged for a successful, constant and diverse harvest throughout the year.

B. A vegetable garden cannot be installed in a *Right-of-Way* or *Easement* without a form signed by any holder of an easement or right-of-way on the property consenting to the installation of the vegetable garden within the easement or right-of-way, with an accompanying acknowledgement by the property owner that in the event the easement holder performs work in the easement that it is the property owner's responsibility to repair and replace the vegetable garden disturbed as a result of the work in the easement.

C. A vegetable garden does not fulfill the requirements for perimeter landscape buffer plantings.

D. A vegetable garden must maintain at a minimum a five (5) foot setback from a waterbody to aid in impeding the introduction of nutrients, herbicides, or pesticides into the waterbody.

E. Any compost pile(s) maintained in conjunction with a vegetable garden shall maintain at least a ten (10) foot setback from an adjacent waterbody to aid in impeding the introduction of nutrients into the waterbody.

DIVISION 7, STORMWATER MANAGEMENT

§ 9.28 – Standards.

The design and performance of all stormwater management systems in North Bay Village at a minimum shall comply with the *Florida Department of Environmental Protection (FDEP)* stormwater rules which require~~s~~ removal of 80 to 95 percent of stormwater pollutants prior to their discharge into receiving waters. Furthermore, this rule requires treatment by retention or by detention with filtration of the first inch of runoff for sites containing less than 100 acres.

§ 9.29 – Permit authority and delegation.

FDEP has delegated the authority to permit stormwater management in South Florida to the *South Florida Water Management District* which, in turn, has delegated its authority in Miami-Dade County to *DERM* with its more stringent criteria.

§ 9.30 – Design ~~R~~requirements

All new development and redevelopment within the *Village,* and any future repair, maintenance, or rebuilding of the existing system shall at minimum, conform to Miami-Dade County *DERM* regulations. In North Bay Village, DERM requirements to be met are:

A. Rainfall frequency – Five-year

B. Flood limit - To crown of street or to within 15 feet of a dwelling or other occupied *Building*, whichever is lower.

§ 9.31 – Compliance with water quality regulations

The design, construction, and maintenance of all stormwater systems in the Village shall meet the requirements of *Section 53.104* of the Village's *Code of Ordinances*, as amended, to prevent discharge of pollutants into the surrounding waterways.

CHAPTER 10, FLOOD DAMAGE PROTECTION

§ 10.1 – Statutory authorization, findings of fact, purpose, and objectives.

A. *Statutory authorization*.

The legislature of the State of Florida has delegated the responsibility to local governmental units to adopt regulations designed to promote the public health, safety, and general welfare of its citizenry. Therefore, the *Village Commission* of North Bay Village, Florida has passed the above-named ordinance.

B. *Findings of fact*.

A. The flood areas of North Bay Village are subject to periodic inundation which results in loss of life and property, health and safety hazards, disruption of commerce and governmental services, extraordinary public expenditures for flood protection and relief, and impairment of the tax base, all of which adversely affect the public health, safety, and general welfare.

B. These flood losses are caused by the cumulative effects of obstructions in flood hazard areas causing increases in flood heights and velocities, and by the occupancy in flood hazard areas by uses vulnerable to floods or hazardous to other lands which are inadequately elevated, flood-proofed, or otherwise unprotected from flood damage.

C. *Statement of purpose*.

Statement of purpose. It is the purpose of this ordinance to promote the public health, safety, and general welfare and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

1. Restrict or prohibit uses which are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities;
2. Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
3. Control the alteration of natural water flows and natural protective barriers which are involved in the accommodation of flood waters;
4. Control filling, grading, dredging and other development which may increase erosion or flood damage; and
5. Prevent or regulate the construction of flood barriers which will unnaturally divert flood waters, or which may increase flood hazards to other lands.

D. *Objectives*.

The objectives of this ordinance are:

1. To protect human life and health;
2. To minimize expenditure of public money for flood control;

3. To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
4. To minimize prolonged business interruptions;
5. To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, and streets and bridges located in flood-prone areas;
6. To help maintain a stable tax base by providing for sound use and development of flood-prone areas and;
7. To ensure that potential homebuyers are notified that the property is in a flood-prone area.

§ 10.2 – Definitions.

Unless specifically defined below, words or phrases used in this ordinance shall be interpreted so as to give them the meaning they have in common usage and to give this ordinance its most reasonable application.

A. *Addition (to an existing building)* means any walled and roofed expansion to the perimeter of a *Building* in which the addition is connected by a common load-bearing wall other than a fire wall. Any walled and roofed addition which is connected by a fire wall or is separated by independent perimeter load-bearing walls in new construction.

B. *Appeal* means a request for a review of the *Building Official's* interpretation of any provision of this ordinance or a request for a variance.

C. *Area of special flood hazard* is the land in the flood-prone area within a community subject to a one per cent chance of flooding in any given year.

D. *Base flood* means the flooding having a one percent chance of being equaled or exceeded in any given year.

E. *Building* means any structure built for support, shelter, or enclosure for any occupancy or storage.

F. *Coastal high hazard areas* mean the area subject to velocity waters caused by, but not limited to, hurricane wave wash. The area is designated on a *FIRM* as Zone V1-30, VE, or V.

G. *Development* means any ~~man~~ human-made changes to improved or unimproved real estate, including, but not limited to: *Building* or other *Structure*, dredging, filling, grading, paving, excavating, drilling operations, or permanent storage of materials or equipment.

H. *Elevated building* means a non-basement building built to have the lowest floor elevated above ground level by means of fill, solid foundation perimeter walls, pilings, columns (posts and piers), or shear walls.

I. *Existing construction* means any structure for which the "start of construction" commenced

before June 18, 1984 ~~[2].~~

J. *Flood hazard boundary map (FHBM)* means an official map of a community, issued by the *Federal Emergency Management Agency (FEMA)*, where the boundaries of the areas of special flood hazard have been defined as Zone A.

K. *Flood insurance rate map (FIRM)* means an official map of a community, on which FEMA has delineated both the areas of special flood hazard and the risk premium zones applicable to the community.

L. *Flood insurance study* means the official report provided by FEMA. The report contains flood profiles, as well as the flood boundary map and the water surface elevation of the base flood.

M. *Floor* means the top surface of an enclosed area in a building, i.e., top of slab in concrete construction or top of wood flooring in wood frame construction. The term does not include the floor of a garage used solely for parking of vehicles.

N. *Freeboard* shall mean the additional height, usually expressed as a factor of safety in feet, above a flood level for purposes of floodplain management. Freeboard tends to compensate for many unknown factors, such as wave action, blockage of bridge or culvert openings, and hydrological effect of urbanization of the watershed, which could contribute to flood heights greater than the heights calculated for a selected frequency flood and floodway conditions. Minimum freeboard means two (2) feet.

O. *Functionally dependent facility* means a facility which cannot be used for its intended purpose unless it is located or carried out in close proximity to water, such as a docking for loading and unloading of cargo or passengers, ship repair, or seafood processing facilities. The term does not include long-term storage, manufacture, sales, or service facilities.

P. *Highest adjacent grade* means the highest natural elevation of the ground surface, prior to construction, next to the proposed *Walls* of the *Building*.

Q. *Historic structure* means any structure that is:

1. Listed individually in the *National Register of Historic Places* (a listing maintained by the *Department of Interior*) or preliminarily determined by the secretary of the interior as meeting the requirements for individual listing on the National Register;

2. Certified or preliminarily determined by the secretary of the interior as contributing to the historical significance of a registered historic district or a district preliminarily determined by the secretary to qualify as a registered historic district;

3. Individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the secretary of the interior;

4. Individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:
   a. By an approved state program as determined by the Interior, or

b. Directly by the secretary of the interior in states without approved programs.

R. *Mean sea level* means the average height of the sea for all stages of the tide. It is used as a reference for establishing various elevations within the floodplain. For the purposes of this ordinance, the term is synonymous with *National Geodetic Vertical Datum (NGVD)*.

S. *National Geodetic Vertical Datum (NGVD)* as corrected in 1929, is a vertical control used as a reference for establishing elevations within the floodplain.

T. *New construction* means any structure for which the "start of construction" commenced after June 18, 1984. The term also includes any subsequent improvements to such *Structure*.

U. *Start of construction* includes substantial improvement, and means the date the building permit was issued, provided the start of construction, repair, reconstruction, or improvement, including any additions, and means the date the building permit was issued, provided the start of construction, repair, reconstruction, or improvement, including any additions, was within 180 days of the permit date. The actual start means the first placement of permanent construction of a building on a site such as the pouring of slabs or footings, installation of pilings, construction of columns, or any work beyond the stage of excavation. Permanent construction does not include land preparation, such as clearing, grading, and filling; nor does it include the installation of *Streets* and/or walkways; nor does it include excavation for footings, piers or foundations, or the erection of temporary forms; nor does it include the installation on the property of *Accessory Buildings*, such as garages or sheds not occupied as *Dwelling Units* or not part of the *Main Building*. For a substantial improvement, the actual start of construction means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

V. *Structure* means a walled and roofed building that is partly above ground.

W. *Substantial damage* means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

X. *Substantial improvement* means any combination of repairs, construction, alteration, or improvements including any additions to a building taking place during a minimum ten-year period in which the cumulative cost equals or exceeds 50 percent of the market value of the building. The market value of the building should be (1) the appraised value of the building at the start of the initial repair or improvement, or (2) in case of damage, the value of the building prior to the damage occurring. This term includes structures which have incurred "substantial damage", regardless of the actual repair work performed. For the purposes of this definition, "substantial improvement" is considered to occur when the first alteration of any *Wall*, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the building. The term does not, however, include any project for improvement of a building required to comply with existing health, sanitary, or safety code specifications which have been identified by the code enforcement

official and which are solely necessary to assure safe living conditions.

§ 10.3 – General provisions.

A. Lands to which this ordinance applies. This ordinance shall apply to all areas within the jurisdiction of North Bay Village.

B. Basis for establishing the areas of special flood hazard. The areas of special flood hazard identified by the *Federal Emergency Management Agency* in its *Flood Insurance Study*, dated November 4, 1987, with accompanying maps and other supporting data, and any revision thereto, are adopted by reference and declared to be a part of this ordinance.

C. Establishment of development permit. A development permit shall be required in conformance with the provisions of this ordinance prior to the commencement of any development activities.

D. Compliance. No structure or land shall hereafter be located, extended, converted, or structurally altered without full compliance with the terms of this ordinance and other applicable regulations.

E. Abrogation and greater restrictions. This ordinance shall not repeal, abrogate, or impair any existing easements, covenants, or deed restrictions.

F. Interpretation. In the interpretation and application of this ordinance all provisions shall be:
   1. Considered as minimum requirements;
   2. Liberally construed in favor of the officers and agents of the *Village*; and
   3. Deemed neither to limit nor repeal any other powers granted under state statutes.

G. Warning and disclaimer of liability. The degree of flood protection required by this ordinance is considered reasonable for regulatory purposes and is based on scientific and engineering consideration. Flood heights may be increased by ~~man~~ human-made or natural causes. This ordinance shall not create liability on the part of North Bay Village or by any officer or employee thereof for any flood damages that result from reliance on this ordinance or any administrative decision lawfully thereunder.

H. Penalties for violation. Violation of the provisions of this ordinance or failure to comply with any of its requirements, including violation of conditions and safeguards established in connection with grants of variance or special exceptions, shall constitute a misdemeanor. Any person who violates this ordinance or fails to comply with any of its requirements shall, upon conviction thereof, be fined not more than $500.00 or imprisoned for not more than 60 days, or both, and in addition, shall pay all costs and expenses involved in the case. Each day such violations continue shall be considered a separate offense. Nothing herein contained shall prevent North Bay Village from taking such other lawful actions as is necessary to prevent or remedy any violation.

§ 10.4 – Administration.

A. *Designation of Building Official*. The building official is hereby appointed to administer and

implement the provisions of this ordinance.

B. *Permit procedures*. Application for a development permit shall be made to the ~~b~~Building ~~o~~Official on forms furnished by him or her prior to any development activities, and may include, but not be limited to: the following plans in duplicate drawn to scale showing the nature, location, dimensions, and elevations of the area in question; existing or proposed earthen fill; storage of materials or equipment; drainage facilities; and the location of the foregoing. Specifically, the following information is required:

1. Application stage.
    a. Elevation in relation to mean sea level of the proposed lowest floor of all *Buildings*.
    b. Elevation in relation to mean sea level to which any *Nonresidential Building* will be flood proofed.
    c. Certificate from a registered professional engineer or architect that the non-residential flood-proofed building will meet the flood-proofing criteria in *Section 10.5(B)(2).*

2. Construction stage.
    a. Provide a floor elevation or flood-proofing certification after the lowest floor is completed, or instances where the *Building* is subject to the regulations applicable to coastal high hazard areas, after placement of the horizontal structural members of the lowest floor. Upon placement of the lowest floor, or flood-proofing by whatever construction means, or upon placement of the horizontal structural members of the lowest floor, whichever is applicable, it shall be the duty of the permit holder to submit to the *Building Official* a certification of the elevation of the lowest floor, floodproofed elevation, or the elevation of the lowest portion of the horizontal structural members of the lowest floor, whichever is applicable, as built, in relation to mean sea level.
    b. Said certification shall be prepared by or under the supervision of a registered land surveyor or professional engineer and certified by same. When flood-proofing is utilized for a particular building, said certification shall be prepared by or under the direct supervision of a professional engineer or architect and certified by same. Any work undertaken prior to submission of the certification shall be at the permit holder's risk.
    c. The ~~b~~Building ~~o~~Official shall review the floor elevation survey data submitted. Deficiencies detected by such review shall be corrected by the permit holder immediately and prior to further progressive work being permitted to proceed. Failure to submit the survey or failure to make said corrections hereby, shall be cause to issue a stop-work order for the project.

C. *Duties and responsibilities of the ~~b~~Building ~~o~~Official*. Duties of the ~~b~~Building ~~o~~Official shall include, but not be limited to:

1. Review all development permits to assure that the permit requirements of this ordinance have been satisfied.
2. Advise permittee that additional federal or state permits may be required, and if specific federal or state permit requirements are known, require that copies of such permits be provided and maintained on file with the development permit.
3. Verify and record the actual elevation (in relation to mean sea level) of the lowest floor (including basement) of all new or substantially improved *Buildings*, in accordance with *Section 10.4(B)(2).*
4. Verify and record the actual elevation (in relation to mean sea level) to which the new or substantially improved buildings have been flood-proofed, in accordance with Section 10.4(B)(2).
5. When flood-proofing is utilized for a particular building, the building official shall obtain certification from a registered engineer or architect, in accordance with *Section 10.5(B)(2).*
6. Where interpretations as to the exact location of boundaries of the areas of special flood hazard (for example, where there appears to be a conflict between a mapped boundary and actual field conditions) the building official shall make the necessary interpretation. The person contesting the location of the boundary shall be given a reasonable opportunity to appeal the interpretation as provided in this article.
7. When base flood elevation data have not been provided in accordance with *Section 10.3(B)(2),* then the ~~b~~Building ~~o~~Official shall obtain, review, and reasonably utilize any base flood elevation available from a federal, state, or other source, in order to administer the provisions of *Section 10.5.*
8. In coastal high hazard areas, certification shall be obtained from registered professional engineer or architect that the building is designed and securely anchored to adequately anchored pilings or columns in order to withstand velocity waters and hurricane wave wash.
9. In coastal high hazard areas, the ~~b~~Building ~~o~~Official shall review plans for adequacy of break-away walls in accordance with *Section 10.5(B)(4)(h).*

D. *Variance requirements.*

1. The planning and zoning board, as established by North Bay Village, shall hear requests for variances from the requirements of this ordinance, in accordance with the procedures prescribed for requests for amendment, variance, special use exception, or supplement to the regulations in the Village *Code of Ordinances*. The *Planning and Zoning Board* shall submit its recommendations to the *Village Commission* for final action on such requests pursuant to procedures therein prescribed, provided, however, that the criteria for granting variances from this ordinance shall be those set forth hereinafter.
2. Conditions and criteria or granting of variances. In considering such applications, the

~~p~~Planning and ~~z~~Zoning ~~b~~Board and Village Commission shall consider all technical evaluations, all relevant factors, all standards specified in other ~~s~~Sections of the North Bay Village Unified Land Development Code, and:

a. The danger that materials may be swept onto other lands to the injury of others;

b. The danger to life and property due to flooding or erosion damage;

c. The susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;

d. The importance of the services provided by the proposed facility to the community;

e. The necessity of the facility to a waterfront location, in the case of a functionally dependent facility;

f. The availability of alternative locations, not subject to flooding or erosion damage, for the proposed use;

g. The compatibility of the proposed use with existing and anticipated development;

h. The relationship of the proposed use to the *Comprehensive Plan* and floodplain management program for that area;

i. The safety of access to the property in times of flood for ordinary and emergency vehicles;

j. The expected heights, velocity, duration, rate of rise and sediment transport of the flood waters, and the effects of wave action, if applicable, expected at the site;

k. The costs of providing governmental services during and after the flood conditions including maintenance and repair of public utilities and facilities such as sewer, gas, electrical and water systems, and streets and bridges;

l. Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief; and in the instance of a historical building, a determination that the variance is the minimum necessary so as not to destroy the historic character and design of the *Building*;

m. Variances shall only be issued upon (i) a showing of good and sufficient cause, (ii) a determination that failure to grant the variance would result in exceptional hardship, and; (iii) a determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, create nuisance, cause fraud on or victimization of the public, or conflict with existing laws or ordinance.

n. Any applicant to whom a variance is granted shall be given written notice specifying the difference between the base flood elevation and the elevation to which the building is to be built and stating that the cost of flood insurance will be

commensurate with the increased risk resulting from the reduced lowest floor elevation.

o. The *Building Official* shall maintain the records of all appeal actions and report any variances to the *Federal Emergency Management Agency*.

3. Variances for historic structures. Variances may be issued for the repair or rehabilitation of historic structures ~~(see definition)~~ upon a determination that the proposed repair or rehabilitation will not preclude the structure's continued designation as a historic structure and the variance is the minimum to preserve the historic character and design of the *Structure.*

4. Upon consideration of the factors listed above, and the purposes of this ordinance, the *Planning and Zoning Board* and *Village Commission* may attach such conditions to the granting of variances as it deems necessary to further the purposes of this ordinance.

E. Appeals. The Village Commission may, after a public hearing, grant relief on appeals where it is alleged there is an error in any order, requirement, decision, or determination made by an administrative official in the interpretation of any portion of these regulations.

§ 10.5 – Provisions for flood hazard reduction.

A. *General standards*. In all areas of special flood hazard the following provisions are required:

1. New construction and substantial improvements shall be anchored to prevent flotation, collapse, or lateral movement of the *Structure*.

2. New construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage.

3. New construction and substantial improvements shall be constructed by methods and practices that minimize flood damage.

4. Electrical, heating, ventilation, plumbing, air conditioning equipment, and other service facilities shall be designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

5. New and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system;

6. New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharges from the systems into flood waters.

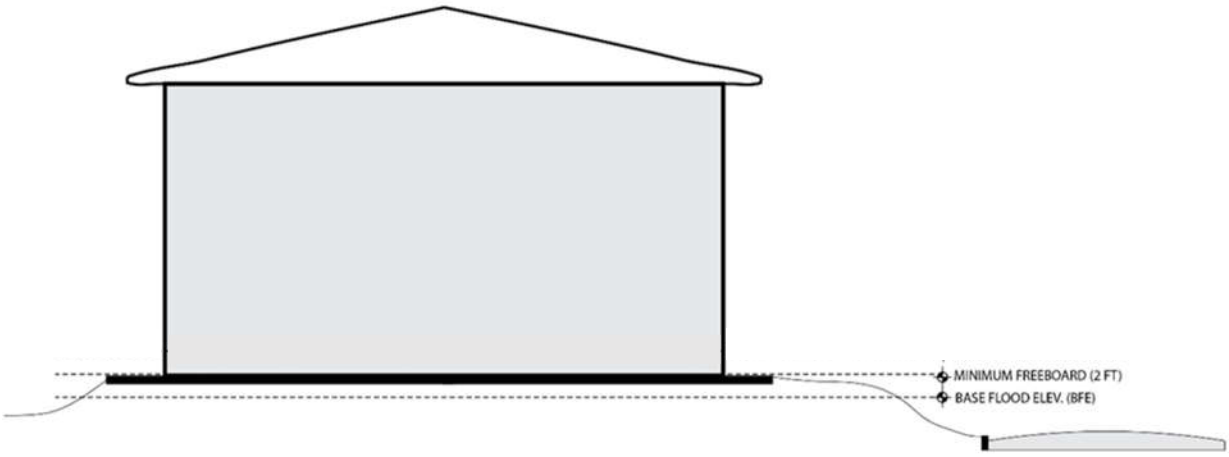
7. On-site waste disposal systems shall be located and constructed to avoid impairment to them or contamination from them during flooding.

8. Any alteration, repair, reconstruction, or improvements to a building which is in compliance with the provisions of this ordinance, shall meet the requirements of "new construction" as contained in this ordinance.

9. Any alteration, repair, reconstruction, or improvements to a building which is not in compliance with the provisions of this ordinance, shall be undertaken only if said nonconformity is not furthered, extended, or replaced.

B. *Specific standards*. In all areas of special flood hazard where base flood elevation data have been provided, as set forth in *Section 10.3.B.*, the following provisions are required:

1. Residential construction. New construction or substantial improvement of any *Residential Building* (or manufactured home) shall have the lowest finished floor, including ~~basement~~ electrical, heating, ventilation, plumbing, air conditioning equipment, cable, telephone, and other service facilities such as duct work, elevated no lower than ~~two feet above the~~ base flood elevation plus minimum freeboard. Should solid foundation perimeter walls be used to elevate a structure, openings sufficient to facilitate the unimpeded movements of flood waters shall be provided in accordance with the standards of *Section 10.5.B.3.*



2. Nonresidential construction.
   a. New construction or substantial improvement of any commercial, industrial, or nonresidential building shall have the lowest floor, including basement, electrical, heating, ventilation, plumbing, air conditioning equipment, cable, telephone, and other service facilities, including duct work, elevated no lower than ~~one foot above the~~ base flood elevation plus minimum freeboard or in accordance with the flood design established for the Flood Design Class established in ASCE 24 as adopted by the *Florida Building Code*, whichever is higher.

   b. Buildings located in all A-Zones may be flood-proofed in lieu of being elevated provided that all areas of the building below the floodproofing are watertight with walls substantially impermeable to the passage of water, and use structural components having the capability of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy. Flood-proofed buildings shall be floodproofed no lower than ~~one foot above the~~ base flood elevation plus minimum freeboard or in accordance with the flood design established for the Flood Design Class established

in ASCE 24 as adopted by the Florida Building Code, whichever is higher. A registered professional engineer or architect shall certify that the standards of this subsection are satisfied. Such certification shall be provided to the official as set forth in *Section 10.4*.

3. Elevated buildings. New construction or substantial improvements of elevated buildings that include fully enclosed areas formed by foundation and other exterior walls below the base flood elevation shall be designed to preclude finishing living space and designed to allow for the entry and exit of floodwaters to automatically equalize hydrostatic flood forces on exterior walls.
   a. Designs for complying with this requirement must either be certified by a professional engineer or architect or meet the following minimum criteria:
      (1) Provide a minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding;
      (2) The bottom of all openings shall be no higher than one foot above grade; and
      (3) Openings may be equipped with screens, louvers, valves, or other coverings or devices provided they permit the automatic flow of floodwaters in both directions.
   b. Access to the enclosed area shall be the minimum necessary to allow for parking of vehicles (garage door) or limited storage of maintenance equipment used in connection with the premises (standard exterior door) or entry to the living area (stairway or elevator); and
   c. The interior portion of such enclosed area shall not be partitioned or finished into separate rooms.
4. Coastal high hazard areas (V Zones). Located within the areas of special flood hazard established in *Section 10.3(B)*, are areas designated as coastal high hazard areas. These areas have special flood hazards associated with wave wash, therefore, the following provisions shall apply:
   a. All *Buildings* shall be located five feet landward of the reach of the mean high tide;
   b. All buildings shall be elevated so that the bottom of the lowest supporting horizontal member (excluding pilings or columns) is located no lower than five feet above the base flood elevation level, with all space below the lowest supporting member open so as not to impede the flow of water. Open lattice work or decorative screening may be permitted for aesthetic purposes only and must be designed to wash away in the event of abnormal wave action and in accordance with *Section 10.5(B)(4)(h).*
   c. All buildings or *Structures* shall be anchored to resist flotation, collapse, and lateral movement due to the effect of wind and water loads acting simultaneously on all building components. Water loading values shall equal or exceed the base flood. Wind loading values shall be in accordance with the South *Florida Building Code*.
   d. A registered professional engineer or architect shall certify that the design, specifications, and plans for construction are in compliance with the provisions

contained in *Section 10.5(B)(4)(b)* and *Section 10.4(B)(4)(c).*

e. There shall be no fill used as structural support. Noncompacted fill may be used around the perimeter of a building for landscaping/aesthetic purposes provided the fill will wash out from storm surge, (thereby rendering the building free from obstruction) prior to generating excessive loading forces, ramping effects, or wave deflection. The *Building Official* shall approve design plans for landscaping/aesthetic fill only after the applicant has provided an analysis by an engineer, architect, and/or soil scientist, which demonstrates that the following factors have been fully considered:
   (1) Particle composition of fill material does not have a tendency for excessive natural compaction;
   (2) Volume and distribution of fill will not cause wave deflection to adjacent properties; and
   (3) Slope of fill will not cause wave run-up or ramping.

f. There shall be no alteration of sand dunes or mangrove stands which would increase potential flood damage~~;~~.

g. Lattice work or decorative screening shall be allowed below the base flood elevation provided they are not part of the structural support of the building and are designed so as to breakaway under abnormally high tides or wave action, without damage to structural integrity of the building on which they are to be used and provided the following design specifications are met:
   (1) No solid walls shall be allowed, and;
   (2) Material shall consist of lattice or mesh screening only.

h. If aesthetic lattice work or screening is utilized, such enclosed space shall not be designed to be used for human habitation, but shall be designed to be used only for parking of vehicles, building access, or limited storage of maintenance equipment used in connection with the premises.

i. Prior to construction, plans for any buildings that will have lattice work or decorative screening must be submitted to the ~~b~~Building ~~o~~Official for approval;

j. Any alteration, repair, reconstruction, or improvement to a structure shall not enclose the space below the lowest floor except with lattice work or decorative screening, as provided for in *Section 10.5(B)(4)(h)* and *Section 10.5(B)(4)(i).*

C. *Standards for subdivision proposals*.
   1. All subdivision proposals shall be consistent with the need to minimize flood damage;
   2. All subdivision proposals shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage;
   3. All subdivision proposals shall have adequate drainage provided to reduce exposure to

flood hazards; and

4. Base flood elevation data shall be provided for subdivision proposals and other proposed development.

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

CHAPTER 11, SIGNS

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[NO CHANGES TO BE MADE TO THE EXISTING CHAPTER 11 TEXT IN THIS ORDINANCE]

CHAPTER 12, ADULT ENTERTAINMENT

§ 12.1 – Purpose.

A. *Purpose*.

In the development and enforcement of this section, it is recognized that there are adult entertainment uses, which because of their very nature are recognized as having serious objectionable characteristics, particularly when several of them are concentrated in any given locations thereby having a deleterious effect upon the adjacent business and residential areas. It is desirable, therefore, to protect the well-being of the youth of the *Village* from objectionable operational characteristics of these adult entertainment uses by to locating adult oriented activities away from residential areas and public facilities used frequently by minors such as schools, religious facilities, parks, libraries, playgrounds, and day care centers. The Village finds that, just as advertising is designed to stimulate one's appetite for desired goods and services, an overabundance or preoccupation with sexual displays or materials arouses the appetites of those so preoccupied and encourages criminal sexual behavior.

In recognition of the protections afforded to the citizens of the United States under the *First* and *Fourteenth Amendments* to the Constitution of the United States, it is neither the intent nor the effect of this ~~s~~Section to:

1. Inhibit freedom of speech or the press; or
2. Impose a limitation or restriction on the content of any communicative materials, including sexually oriented materials; or
3. Restrict or deny access by adults to sexually oriented materials protected by the First Amendment; or
4. Deny access by the distributors and exhibitors of sexually oriented entertainment to their intended market.

This ~~s~~Section balances the legitimate governmental purposes of the Village against the above-described constitutional rights, by imposing incidental, content-neutral place, time, and manner regulations of adult entertainment establishments without limiting alternative avenues of communication. The special regulations deemed necessary to control the undesirable effects arising from these enterprises are set forth in this ~~s~~Section.

B. *Findings*.

Based on the evidence and testimony presented before the *Village Commission* and on the findings incorporated in (i) "Survey of Texas Appraisers - Secondary Effects of Sexually-Oriented Businesses on Market Values" study by Connie B. Cooper, FAICP and Eric Damian Kelly, FAICP in association with David C. Keuhl, Ph.D. and Shawn Wilson, MAI (2008)(Texas); (ii) "Crime-Related Secondary Effects - Secondary Effects of "Off-Site" Sexually Oriented Businesses" study by Richard McCleary, Ph.D. in association with Alexi Alexander, J.D., Larry Bush, M.A., and Mark Vasquez, B.A. (2008)(Texas); (iii) "Crime-Related Secondary Effects of Sexually-Oriented Businesses: Report To The City Attorney" by Richard McCleary, Ph.D.

(2007)(Los Angeles, California); (iv) "Survey of Findings and Recommendations of Sexually Oriented Businesses" by Eric Damian Kelly, Ph.D. FAICP and Connie B. Cooper, FAICP (August 2002)(Toledo, Ohio); (v) "A Report on the Secondary Impacts of Adult Use Businesses in the City of Denver," by the Zoning Administration, Office of Planning and Development, Department of Public Safety, Department of Excise and Licenses, Assessor's Office, and in consultation with the City Attorney's Office, Denver, Colorado (January 1998); (vi) "Sexually Oriented Business Ordinance Revision Committee Legislative Report, Houston, Texas (January 7, 1997); (vii) "Adult Use Study," by the Newport News Department of Planning and Development, Newport News, Virginia (March 1996); (viii) "Report to American Center for Law and Justice on the Secondary Impacts of Sex Oriented Businesses," by Peter R. Hecht, Ph.D. of the Environmental Research Group (March 31, 1996); (ix) "Adult Entertainment Study" by Department of City Planning, City of New York (November 1994); (x) The "Adams County Nude Entertainment Study" by the Adam's County Sheriffs Department (1991)(Colorado); (xi) "Effects of Adult Entertainment Businesses on Residential Neighborhoods," by the Department of Planning, Research and Development, City of El Paso, TX (Sept. 26, 1986); (xii) "NLC Summaries of "SOB Land Use" Studies, Crime Impact Studies by Municipal and State Governments on Harmful Secondary Effects of Sexually-oriented Businesses," National Law Center for Children and Families, 1991, 1994, 1996, 1997, 1999, 2000, 2001, 2002, 2005; the Village Commission finds as follows:

1. Establishments exist or may exist within the Village where books, magazines, motion pictures, videos, prints, photographs, periodicals, records, novelties, and devices that depict, illustrate, describe, or relate to specified sexual activities are possessed, displayed, exhibited, distributed, and sold.

2. Establishments exist or may exist within the Village where:
   a. The superficial tissues of one person are manipulated, rubbed, stroked, kneaded, or tapped by a second person, accompanied by the display or exposure of specified anatomical areas:

   b. Dancers, entertainers, performers, or other individuals, who, for forms of commercial gain, perform or are presented while displaying or exposing specified anatomical areas: or

   c. Lap dancing occurs.

3. The activities described in *subsections (1)* and *(2)* occur at establishments for the purpose of making a profit and, as such, are subject to regulation by the Village in the interest of the health, safety, and general welfare of Village residents.

4. The competitive commercial exploitation of such nudity and semi-nudity is adverse to the public's interest, quality of life, tone of commerce, and total community environment.

5. The commercial exploitation of nudity and semi-nudity consists of the use of nude and seminude entertainment in connection with or for the promotion of the sale of goods or services, and the receipt of money by the person engaging in nude or seminude entertainment in exchange for or as consideration for nude or seminude performance by

such individuals.

6. The commercial exploitation of nude and seminude acts, exhibitions, and nude entertainment occurs frequently at commercial establishments either selling or allowing consumption of *Alcoholic Beverages* on the premises.

7. There is a direct relationship between the consumption of alcoholic beverages and the nude and seminude activities mentioned above, and an increase in criminal activities, disturbances of the peace and good order of the community. The occurrence of these activities is hazardous to the health and the safety of those persons in attendance and tends to depreciate the value of adjoining property and harm the economic welfare of the community as a whole.

8. The combination of the sale and consumption of alcoholic beverages with the performance of nude and seminude acts, exhibitions and entertainment is adverse to the public's interest and the quality of life, tone of commerce, and total community environment in the *Village*.

9. To promote and preserve the public peace and good order and to safeguard the health, safety, and welfare of the community and its citizens, it is necessary and advisable for the Village to prohibit nude and seminude acts, exhibitions, and entertainment establishments at which alcoholic beverages are, or are available to be~~.~~ sold or consumed.

10. There is a direct relationship between the display or depiction of specified anatomical areas as defined in this ~~c~~Chapter and an increase in criminal activities and disturbances of the peace and good order of the community, and the occurrence of these activities is hazardous to the health and safety of those persons in attendance and tends to depreciate the value of adjoining property and harm the economic welfare of the community as a whole. These secondary effects are adverse to the public's interest and quality of life, tone of commerce, and total community environment in the Village.

11. When the activities described in *subsections (1)* and *(2)* take place in establishments within the Village, other activities that are illegal or unhealthy tend to accompany them, concentrate around them, and be aggravated by them. Such other activities include, but are not limited to, prostitution, solicitation for prostitution, lewd and lascivious behavior, possession, distribution and transportation of obscene materials, sale or possession of controlled substances, and violent crimes against persons and property.

12. When the activities described in *subsections (1)* and *(2)* are present in establishments within the Village, they tend to blight neighborhoods, adversely affect neighboring businesses, lower property values, foster an atmosphere that promotes crime, and ultimately lead residents and businesses to move to other locations.

13. The establishments used for the activities described in *subsections (1)* and *(2)* are frequently used for unlawful and unhealthy sexual activities, including prostitution and sexual liaisons of a casual nature.

14. To preserve and safeguard the health, safety, and general welfare of the people of the Village, it is necessary and advisable for the Village to obtain sufficient information regarding the owners of establishments where the activities described in *subsections (1)* and *(2)* occur in order to preclude the involvement of organized crime.

C. *Authority*.

This section is enacted pursuant to the Village's home rule power to enact regulations to protect the public health, safety, and general welfare of the residents of the Village; and the Village's authority to regulate the sale and consumption of alcoholic beverages under the *Twenty-First Amendment* of the Constitution of the United States.

§ 12.2 – Definitions.

For the purpose of this ~~s~~Section, the following definitions shall apply unless the context clearly indicates or requires a different meaning. These definitions shall be in addition to the terms relevant to this ~~s~~Section provided in *Chapter 119* Code of Ordinances.

1. *Adult entertainment establishment* shall mean:
   A. Any adult arcade, adult theater, adult bookstore/adult video store, adult modeling establishment, adult motel, encounter studio, or adult dancing establishment as these uses are defined in Chapter 119 Code of Ordinances; or any other establishment or business operated for commercial gain where any employee, operator or owner exposes his or her specified anatomical area for viewing by patrons, including but not limited to massage establishments, whether or not licensed pursuant to *Chapter 480*, Florida Statutes, tanning salons, modeling studios, or lingerie studios.

   B. Any establishment where an action is taken which is intended to amuse and which is distinguished or characterized by an emphasis on material depicting, describing, or relating to specified sexual activities or specified anatomical areas or which features topless dancers, exotic dancers, strippers, male or female impersonators, the modeling of clothing revealing, or less than completely and opaquely covering, specified anatomical areas, or similar activities.

   C. An adult entertainment establishment shall include the entire site on which the adult entertainment establishment is located, including the exterior and interior of the establishment, or any portion thereof, upon which the activities or operations described in *subsections (1)* and *(2)* above are being conducted for commercial gain.

   D. Excluded from this definition are any educational institutions, as defined in Chapter 119 Code of Ordinances, where the exposure of specified anatomical areas is associated with a curriculum or program.

   E. An establishment that possesses an adult entertainment license is presumed to be an adult entertainment establishment.

2. *Adult material* shall mean any one or more of the following, regardless of whether it is new or used:
   A. Books, magazines, periodicals or other printed matter, photographs, films, motion

pictures, video cassettes, slides, or other visual representations; recordings, other audio matter; and novelties or devices which have as their primary or dominant theme subject matter depicting, exhibiting, illustrating, describing, or relating to specified sexual activities or specified anatomical areas; or

B. Instruments, novelties, devices, or paraphernalia that are designed for use in connection with specified sexual activities.

3. *Massage establishment* shall mean:

A. Any shop, parlor, establishment, or place of business wherein all of any one or more of the following named subjects and methods of treatments are administered or practiced: body massage either by hand or by any mechanical or electrical apparatus or device (excluding fever therapy), apply such movements as stroking, friction, rolling, vibration, kneading, cupping, petrissage, rubbing, effleurage, or tapotement.

B. Provided, however, that, for the purpose of this section, the terms "massage establishment" shall not include any massage establishment wherein at least one state licensed massage therapist is employed and on duty full time during the hours opened for business.

C. Nothing in this section shall be construed as applying to state licensed massage therapist, barbers, cosmetologists, manicurists, pedicurists, physical therapists' assistants, midwives, practical nurses, agents, servants of employees in licensed hospitals or nursing home or other licensed medical institutions, licensed physicians, osteopaths, chiropractors, podiatrists, naturopathic physicians or other licensed medical practitioners, or their agents, or employee acting in the course of such agency, service or employment under the supervision of the licensee.

§ 12.3 – Permitted ~~U~~use ~~S~~schedule.

Adult entertainment establishments are permitted in the *General Commercial (CG) Zoning district*, subject to distance requirements set forth below.

§ 12.4 – Regulations.

A. *Required approval.*

An application for an adult entertainment establishment requires the approval of the *Village Commission* after a public hearing. No application for an adult entertainment establishment shall be presented to the Village Commission unless it satisfies the following requirements:

1. The adult entertainment establishment must be located on a parcel of land located in the CG zoning district.

2. The adult entertainment establishment must be located:

a. At least 500 feet from any residentially zoned district as designated on the Village's official *Zoning District Map*, and at least 500 feet from any property on which over 25 percent of the floor area is devoted to residential use; and

b. At least 500 feet from any area of land upon which a religious facility, public school,

private school, public park, public playground, library, daycare center or nursery for children is located; and

c. At least 500 feet from any *Hotel* or *Motel*; and

d. At least 1,000 feet of from any parcel of land upon which another adult entertainment establishment is located; and

e. At least 350 feet from a *Building* that contains a business that sells or dispenses *Alcohol.*

3. No variance shall be granted to the spacing requirements of subsection (2) above.

4. The minimum distance separation shall be measured by following a straight line from any portion of the building used for such purpose, or any building located on the property, of the adult entertainment establishment to:
   a. The nearest point of the property designated as residential on the Village's official zoning district map; or

   b. The nearest point of the residential area of any property on which over 25 percent of the floor area is devoted to residential use; or

   c. The nearest point of any area used for a religious facility, public school, private school, public park, playground, library, daycare center or nursery for children, hotel, or motel.

5. In cases where a minimum distance is required between an adult entertainment establishment and another adult entertainment establishment, or an establishment licensed to sell or serve alcohol, the distance under this section shall be measured from the *Building Line* of the existing licensee to the building line of the proposed licensee and shall be the airline distance between the two buildings.

6. The applicant must show a possessory interest in the property (ownership, leasehold, or contract to purchase/lease) by sufficient documentation.

B. *Expiration of approval.*

Approval of an adult entertainment establishment shall lapse after 24 months unless:

1. A business tax receipt or building permit has been issued, or

2. The next phase of development has been initiated, or

3. The *Village Commission* has specified a longer approval period.

C. *Application requirements.*

An application for approval of an adult entertainment establishment shall, in addition to the requirements of *Chapter 5* of the Village Code of Ordinances, include:

1. A property survey by a registered surveyor;

2. A letter of intent;

3. Certified distance survey from a registered land surveyor in the state showing that such

use meets the distance requirements as set forth in this section. Such sketch shall indicate the distance between the proposed adult entertainment establishment and:

a. Any other adult entertainment establishment; and

b. Any establishment licensed to sell or serve *Alcohol*; and

c. Any area used for a religious facility, public school, private school, public park, public library, playgrounds, day care center or nursery for children, *Hotel,* or *Motel*; and

d. Any *Residential Zoning District*; and

e. The residential area of any property on which over 25 percent of the floor area is devoted to residential use.

Each sketch shall indicate all such distances and routes. In case of a dispute, the measurement scaled by the *Village* shall govern.

4. Where the use includes a vehicular use area or landscaped buffer, a proposed landscape plan and information regarding permanent maintenance arrangements;

5. A neighborhood location map showing all surrounding zoning, land use designations and existing uses located within 500 feet of the proposed site;

6. Documents establishing ownership of the property, valid leasehold, or a contractual interest in a future ownership or leasehold.

7. The proposed activities and specific type of adult entertainment establishment proposed.

8. For adult entertainment establishments to be established in new construction, a sketch and description showing all new and existing structures on the property, interior layouts, and proposed parking areas.

9. For adult entertainment establishments to be established in redeveloped sites, a sketch and description or building plan that details all proposed interior and exterior changes to any existing *Building* or *Structure*.

D. *Review of applications.*

Applications shall be reviewed and be approved or denied by the *Village Commission* within 60 days of the applicant filing a complete application with the *Village*, as follows:

1. No application shall be accepted until it is deemed complete by the *Village Planner*.

2. The Village Planner shall review all of the information submitted to determine conformity with this ~~s~~Section.

3. The submitted application will be reviewed for completeness within 20 business days, and any corrections, revisions or deficiencies provided to the applicant within that 20-day period.

4. Upon each re-submittal of corrected plans, the Village Planner shall have ten business days to review the application and provide any corrections, revisions, or deficiencies to the applicant. This process shall continue until the applicant has submitted a complete

application, or demands that the application be reviewed as is, without further revisions.

5. If an applicant fails to provide additional information as requested by the Village Planner within two months of the request or respond to the Village Planner with a time when the information will be submitted, the application shall be deemed to be withdrawn by the applicant. The applicant shall be entitled to one 60-day extension upon request, providing the request for extension is granted prior to the expiration of the two-month period.

6. The Village Commission shall approve or deny the permit within 60 days of the Village's receipt of the complete application, or the applicant's demand for review as submitted, based on whether it complies with the requirements of this section. A written notice of the Village Commission's decision shall be provided to the applicant, either in the form of an approved permit or written notice of denial. Such notice shall describe the applicant's appeal rights and be provided to the applicant within ten (10) business days of the decision.

E. *Minimum space requirements.*

An adult dancing establishment shall be subject to the minimum space requirements (for parking) as provided for "Restaurants, Lounges and Nightclubs," in *Section 9.3(C)(3)* of this Code.

F. *Regulation of obscenity subject to state law.*

It is not the intent of the *Village Commission* to legislate with respect to matters of obscenity. These matters are regulated and preempted by general law.

G. *Regulation of massage establishments subject to state law*.

It is not the intent of the Village Commission to legislate, limit, or conflict with respect to matters pertaining to massage establishments that are regulated by state agency, the department of business and professional regulation, board of massage, and by general law, *Chapter 480*, Florida Statutes.

H. *Appeal*.

The applicant may appeal the decision of the Village Commission by filing a timely notice of appeal with any court of competent jurisdiction in Miami-Dade County in accordance with applicable law and court rules.

CHAPTER 13, VACATION RENTAL LICENSES

PART 1
REGULATIONS FOR LEGAL NONCONFORMING VACATION RENTAL LICENSES

DIVISION 1, GENERAL PROVISIONS

§ 13.1 - Legislative intent, purpose, and findings.

A. *Intent*.

Vacation rentals are prohibited in the *Village's Residential Districts*. Since before June 1, 2011 and through the present, through its *Comprehensive Plan* and Unified Land Development Code (which was comprised of the Village's Land Development Regulations and Zoning Code until the adoption of *Ordinance No. 2017-007* on September 19, 2017), the *Village* has consistently provided that residential districts are intended for permanent housing. The provisions of the current Comprehensive Plan and ULDC, although amended after 2011, are identical in providing only for permanent housing in the Village's residential zoning districts, and are otherwise materially and substantially consistent with the Village's pre-2011 Comprehensive Plan and Land Development Regulations. Despite this, the Village previously created, and issued licenses pursuant to, a Vacation Rental License Program codified in a prior *Chapter 13* of the ULDC by *Ordinance No. 2016-005*, as amended, which was not consistent with these standards and, by virtue of its non-severability, has been found void *ab initio* along with all amendments thereto.

B. *Purpose*.

The purpose of this Part 1 of this Chapter is to recognize the existence of legal nonconforming vacation rental licenses for the reasons set forth below and authorize the licensees' ability to operate the licensed property as a vacation rental in a way that curbs their negative impacts and promotes public health, safety, welfare, and convenience through regulations and standards for short-term vacation rental properties by providing:

1. For the continued existence of vacation rental license as long as the same ownership remains, consistent with the prior Chapter 13;
2. For safety and operational requirement;
3. For parking standards;
4. For solid waste handling and containment;
5. For licensure requiring posting of vacation rental information; and
6. For administration, penalties and enforcement.

A. *Findings*.

1. The Village's Pre-2011 Comprehensive Plan Required, and the Current Comprehensive Plan Continues to Require, Permanent Housing in Residential Districts.

The Village's *Comprehensive Plan* has consistently required that residential districts be used for permanent housing since before 2011. The December 11, 2007 amendments to the Village's Comprehensive Plan, the last amendments prior to 2011 that amended the *Future Land Use Element* of the Comprehensive plan, provides the same language regarding permanent housing as the Village's current Comprehensive Plan. Specifically, *Policy 2.1.1a* of the Future Land Use Element of the pre-2011 Comprehensive Plan provides that it is the Village's policy to adopt, among other land use categories, a residential category "with dwelling units used for permanent housing." Similarly, the current Comprehensive Plan provide in *Policy 2.1.2* of the Future Land Use Element that it is the Village's policy to adopt, among other land use categories, a residential category "with *Dwelling Units* used for permanent housing."

2. The Village's Pre-2011 Comprehensive Plan Required, and the Current Comprehensive Plan Continues to Require, Permanent Housing in Residential Districts.

As reflected in its *Comprehensive Plan* and land development regulations, it has been -since before June 1, 2011- and remains the Village's intent, policy, and law, that residential lands be used for permanent housing, and both the plain meaning of "permanent resident" and its treatment in the Village's Comprehensive Plan and ULDC excludes transient or temporary housing from the Village's residential zoning districts.

Pursuant to *Chapter 163, Part II*, Florida Statues, on September 19, 2017, the *Village Commission* adopted *Ordinance No. 2017-007* which repealed the Village's Consolidated Land Development Regulations, repealed *Chapter 152*, "Zoning" of the Village's Code of Ordinances, repealed *Chapter 155* "Design Guideline Standards" of the Village's Code of Ordinances, and created the Village's Unified Land Development Code (the "ULDC"). With the adoption of *Ordinance No. 2017-007* on September 19, 2017, the Village's Zoning Code (*Chapter 152* of the Code of Ordinances) and Land Development Regulations were consolidated into the ULDC is materially and substantially the same as the Land Development Regulations in requiring that the residential districts be used or intended to be used for permanent housing.

Prior to 2011 and up to and including the present, *Section 3.2.1* of the Village's Land Development Regulations provided for residential districts, which were described to encompass "all areas with dwelling units used or to be used for permanent housing." (See Supplement 5 of August 31, 2007). Upon adopting the ULDC, the Village's existing, pre-2011 policy that the Village's residential districts be used or intended to be used for permanent housing was carried forward in the Village's ULDC.

The intent of the ULDC provides for the relationship between the ULDC and the Comprehensive Plan. *Section 2.1* of the ULDC states, "The future land use element of the adopted Comprehensive Plan for North Bay Village describes the Future Land Use categories within the Village. These land use categories are illustrated on the future land use map in the Comprehensive Plan. All future development or redevelopment of property within North Bay Village must be consistent with the goals, objectives, and policies expressed in the adopted Comprehensive Plan and with the future land use map. The Unified Land Development Code

is intended to implement the Comprehensive Plan. In the event of a conflict between the Comprehensive Plan and the Unified Land Development Code, or any other Village regulation, the provisions of the Comprehensive Plan shall take precedence."

The introduction of *Section 2.2* of the ULDC provides, "The future land use categories defined in the future land use element and delineated on the future land map in said element shall be the determinants of permissible activities on any parcel of land within the *Village*. They are established to regulate and restrict the location of commercial, public, and semi-public uses, and residences, and the location of buildings erected or altered for specific uses to regulate or limit population density, and intensity of use of lot areas. The *Zoning Districts* and associated regulatory provisions identified in the Unified Land Development Code are intended to implement the goals, objectives and policies and Future Land Use Map in the Comprehensive Plan. In the event of a conflict between a provision in the Comprehensive Plan and any provision regulating development within a zoning district, the provisions of the Comprehensive Plan shall take precedence."

Section 2.2(A) of the ULDC provides, "There are three residential future land use categories in the Village's Comprehensive Plan that are applied to lands throughout the Village. Lands located within these categories are to be devoted to *Dwelling Units* used or intended to be used for permanent housing."

Sections 3.2.2., *3.2.4.*, and *3.4.2.* of the pre-2011 Land Development Regulations specifically provided for transient residential uses in the commercial and *Mixed-Use Zoning Districts* of the Village, while none of the residential zoning districts provided for such uses.

In a singular manner, *Section 152.031* of the pre-2011 zoning code specifically provides for tourist accommodations, *Hotels*, *Motels*, time-shares, and other forms of transient lodging or units as uses permitted in the Limited Commercial zoning district, while none of the Village's residential zoning districts provided for such uses.

The distinction between residential zoning districts providing for permanent housing and commercial/mixed use zoning districts providing for transient housing remains in effect to date. See *Sections 2.2.A.* and *B*. and *8.10.E* of the ULDC.

3. The Village's Charter Supports Residential Uses Only for North Bay Island.

The Village's interests in protecting lands to be used for permanent housing are further bolstered by *Section 9.07*, "North Bay Island Zoning" of the ~~Vilage~~ Village Charter, which provides, and has provided since before June 1, 2011, that "Land use and future development of North Bay Island in the Village is hereby restricted to single family residential usage."

4. The Village's Requirement of Permanent Housing in Residential Districts Existed Prior to the State's Preemption of Vacation Rental Regulation, and Remains in Effect, and is Therefore *Legal Nonconforming*.

Chapter 509, Florida Statues provides the regulatory framework for public lodging establishments. The State of Florida has preempted the regulation of the operation of public lodging establishments in *Section 509.032(7)*, Fla. Statues. *Section 509.013(4)(a)(2)*, Florida

Statues, defines a "nontransient public lodging establishment" as "any unit, group of units, dwelling, building, or group of buildings within a single complex of buildings which is rented to guests for periods of at least 30 days or 1 calendar month, whichever is less, or which is advertised or held out to the public as a place regularly rented to guests for periods of at least 30 days or 1 calendar month." *Section 509.013(4)(a)(1),* Florida Statues, defines a "transient public lodging establishment" as "any unit, group of units, dwelling, building, or group of buildings within a single complex of less than 30 days or 1 calendar month, whichever is less, or which is advertised or held out to the public as a place regularly rented to guests."

In 2011, the Florida Legislature created a new classification of public lodging establishment known as "vacation rental" defined in *Section 509.242(1)(c),* Florida Statues, as "any unit or group of units in a condominium or cooperative or any individually or collectively owned single-family, two-family, three-family, or four-family house or dwelling units that is also a transient public lodging establishment but that is not a timeshare project." Also in 2011, the Florida Legislature expanded the preemption of local regulation by adopting the following language in *Section 509.031(7)(b),* Florida Statues (2011): "A local law, ordinance, or regulation may not restrict the use of vacation rentals, prohibit vacation rentals, or regulate vacation rentals based solely on their classification, use, or occupancy. This paragraph does not apply to any law, ordinance, or regulation adopted on or before June 1, 2011."

A version of this preemption remains in place with the same date as follows: "A local law, ordinance, or regulation may not prohibit vacation rentals or, regulate the duration or frequency of rental of vacation rentals. This paragraph does not apply to any local law, ordinance, or regulation adopted on or before June 1, 2011." See *Section 509.032(7)(b)*, Florida Statues (2021).

On April 12, 2016, the *Village Commission* adopted *Ordinance No. 2016-005* to amend *Chapter 152*, "Zoning" of the Village's Code to create *Section 152.112*, "Vacation Rental License Program" allowing persons to obtain licenses to operate single-family houses or dwelling units as vacation rental in the Village's *RS-1 and RS-2 Residential Zoning Districts*, which licenses were nontransferable (the "Vacation Rental Regulations").

The Vacation Rental Regulations were amended and renumbered by several ordinances. On December 13, 2016, the Village Commission adopted *Ordinance No. 2016-010* to make the *RM-40* and *RM-70 Zoning Districts* subject to the Village's Vacation Rental Regulations. On September 19, 2017, upon adoption of the ULDC, the Village's Vacation Rental Regulations previously set forth in *Section 152.112* were renumbered and set forth in Chapter 13 of the ULDC, but were otherwise unchanged. On January 9, 2018, the Village Commission adopted *Ordinance No. 2018-002*, further modifying the Vacation Rental Regulations to intensify notice, application, requirements, and code violation penalties. Collectively, *Ordinance Nos. 2016-005*, *2060-010*, *2018-002*, and *2019-013*, which were previously codified in Chapter 13 of the ULDC, are referred to as the "Vacation Rental Ordinances."

Section 5 of *Ordinance No. 2016-005* adopting the Vacation Rental Regulations provides that "The provisions of this Ordinance are declared to be non-severable and if any section,

sentence, clause or phrase of this Ordinance shall for any reason be held to be invalid or unconstitutional, such decision shall render this Ordinance void in its entirety." In light of the Village's *Comprehensive Plan*, Charter, and land development regulations (as currently set forth in the ULDC and as previously provided in *Chapter 152*, "Zoning" and separate Land Development Regulations), all of which provide that residential districts must be used for permanent housing, the Village Commission has found that the Vacation Rental Ordinances are invalid, as vacation rentals are not permanent housing and were prohibited in the Village's residential districts since before June 1, 2011.

For the foregoing reasons, the Village Commission has found that the Vacation Rental Ordinances were void *ab initio* and has repealed the Vacation Rental Ordinances from the ULDC concurrently with the adoption of this Part 1 of this Chapter.

5. Intent to Provide for Legal Nonconforming Right of Existing License Holders and Regulations Related To Their Operations.

Despite finding that the Vacation Rental Ordinances are void, the Village Commission recognizes that there are property owners who have relied upon these ordinances in good faith to their substantial detriment, and have applied for and received a Vacation Rental License pursuant to the Vacation Rental Ordinances that were effective as to each owner but were not transferrable (the "Existing License Holders").

The Village Commission therefore recognizes the legal nonconforming right of the Existing License Holders to continue using their properties as vacation rentals, subject to their continued compliance with the regulations provided in this Part 1 of this Chapter.

§ 13.2 – Definitions.

For the purpose of this Part 1 of this Chapter, the following definitions shall apply unless the context clearly indicates or requires a different meaning.

1. *Agent.* A person or entity retained by an owner to carry out the duties and functions of an owner. All references to "owner" in this Part 1 of this Chapter shall be construed to include a designated agent. The owner must notify the *Village* in writing, on a form provided by the Village, of the identity and contact information of such agent, the vacation rental for which the agent is designated, and the specific duties that the agent will be performing for the owner. The owner may change the designation of agent at any time through the filing of a new form and the payment of an administrative fee in an amount as set y resolution by the *Village Commission*. The owner shall be held responsible for all actions of such designated agent with respect to the applicable vacation rental.

2. *Bedroom*. A room or enclosed floor space used or intended to be used for living or sleeping purposes, excluding kitchens, bathrooms, shower rooms, water closet compartments, laundries, pantries, foyers, connecting corridors, closets, and storage space.

3. *License.* A vacation rental license issued by the Village.

4. ~~4.~~ *Occupant*. Any person who occupies, either during the day or overnight, a vacation rental.

5. *Owner.* Is the fee simple owner of the vacation rental, whether an individual, partnership, corporation, limited liability company, trust, or other entity. In the event the owner is not an individual, each and every person who owns ~~10~~ ten percent (10%) or more of the equitable interest in the vacation rental shall also be deemed an owner. Includes an agent designated by the owner to perform the duties and functions of the owner.

6. *Transient public lodging establishment.* Any unit, group of units, *Dwelling*, *Building* or group of buildings within a single complex of buildings which is rented to guests more than three times in a calendar year for periods of less than 30 days or ~~1~~ one calendar month, whichever is less, or which is advertised or held out to the public as a place regularly rented to guests.

7. *Vacation rental*. Any individually or collectively owned *Single-* or *Multi-Family House* or *Dwelling Unit* that is also a transient public lodging establishment, and is located in an area zoned *RS-1*, *RS-2*, *RM-40*, *or RM-70*. Includes the yards, driveways, and curtilage of any detached dwelling unit. For properties with split zoning (where a portion of the *Structure* with residential uses is zoned one of the listed residential districts and a portion is zoned a non-residential district), the property shall be deemed to be non-residentially zoned for purposes of this Chapter and regulated by Part 2. If the portion of the property with non-residential zoning only contains parking or nonresidential uses, then the residential portion of the property shall be deemed residential for purposes of this Chapter and regulated by Part 1.

8. *Vacation rental representative*. The owner or the person designated by the owner of the vacation rental to be called upon to answer and be responsible for the maintenance of the vacation rental and the conduct and acts of occupant(s) of vacation rental properties.

9. *Village*. North Bay Village, Florida, as geographically described in its Charter.

DIVISION 2, VACATION RENTAL LICENSE REQUIRED MAINTENANCE OF VACATION RENTAL LICENSE

§ 13.3 – Active license required.

A. Owners with an application for a license that the *Village* has deemed complete on or prior to July 19, 2022 shall be treated as license holders for purposes of this Division 2 if they diligently pursue the license approval process and obtained a license on or before December 31, 2023.

B. All vacation rentals must hold an active vacation rental license issued by North Bay Village to operate within the Village. A separate vacation rental license shall be required for each vacation rental. The operation of a vacation rental without license shall be a violation of this Part 1 of this Chapter every day of such operation without license shall constitute a separate violation.

C. Advertisement pertaining to a vacation rental shall be consistent with the requirements, restrictions and regulations for vacation rentals and shall contain, at a minimum, the occupancy limit and maximum parking available for the vacation rental. Any advertisement

inconsistent with the requirements, restrictions, regulations of vacation rental license program shall be deemed prima facie evidence in any enforcement action that a vacation rental is being operated in violation of this Part 1 of this Chapter.

§ 13.4 – Application for renewal or modification of a vacation rental license.

A. An owner seeking or modification of a vacation rental license shall submit to the *Village* a completed vacation rental license application in a form promulgated by the Village, together with an *Application Fee* in an amount set by resolution of the *Village Commission*.

B. A complete application for the renewal or modification of a vacation rental license shall demonstrate compliance with the standards and requirements set forth in this Part 1 of this Chapter through the following submittals:

1. A completed vacation rental license application form, which must identify:
   a. The name, address, and phone number of the owner, and sworn evidence to demonstrate that this fully discloses all owners of the vacation rental as defined herein;
      i. The address and legal description of the vacation rental; and
      ii. The name, address, and phone number of the vacation rental representative.
2. Payment of applicable fees.
3. A copy of the vacation rental's current and active license as a *Transient Public Lodging Establishment* with the *Florida Department of Business and Professional Regulation*.
4. A copy of the vacation rental's current and active certificate of registration with the *Florida Department of Revenue* for the purposes of collecting and remitting sales surtaxes, transient rental taxes, and any other taxes required by law to be remitted to the Florida Department of Revenue.
5. Evidence of the vacation rental's current and active account with the Miami-Dade County Tax Collector for the purposes of collecting and remitting tourist and convention development taxes and any other taxes required by law to be remitted to the *Miami-Dade County Tax Collector*.
6. A copy of the current *Local Business Tax Receipt*.
7. *Interior building sketch by floor.* A building sketch (may be hand drawn) by floor shall be provided, showing a floor layout, and demonstrating compliance with the standards and requirements set forth in this Part 1 of this Chapter. The sketch provided shall be drawn to scale, and shall show and identify all bedrooms, other rooms, exits, hallways, stairways, smoke and carbon monoxide detectors, swimming pools, fire extinguishers and exit signage/lighting.
8. An exterior site sketch (which may be hand drawn) showing and identifying all *Structures*, pools, spas, hot tubs, *Fencing*, and uses, including the number and the location of all *On-Site And Off-Site Parking Spaces* for the vacation rental, including identifying those parking spaces available for use by occupant(s).

9. Acknowledgement that each bedroom shall be equipped with an approved listed single-station smoke detector meeting the minimum requirements of the *NFPA*.
10. A section indicating the maximum occupancy of the vacation rental in accordance with *Section 13.14*.
11. A copy of the generic form vacation rental agreement to be used when contracting with occupants.
12. Statement as to whether the entire property, or just a part thereof (i.e., a room or rooms), will be used as a vacation rental.
13. Statement indicating how many times, and for how many days, the property was used as a vacation rental within the previous calendar year.
14. Notarized statement that the vacation rental representative has the permission of the owner and authority to offer the property as a vacation rental and act as the vacation rental representative in accordance with the duties prescribed in *Section 13.9.*

C. Incomplete applications will not be accepted, but will be returned with any fees submitted to the owner with a notation of what items are missing.

D. Vacation rental license applications shall be sworn to under penalty of perjury. Any false statements in an application shall be a basis for the revocation of any license issued pursuant to such application.

E. All vacation rental license applications that are not signed by the property owner must be accompanied by a signed and notarized letter providing the consent of the property owner for the application, with acknowledgement that the *Village* may impose, cite, and fine the property for violations of this Part 1 of this Chapter, as well as pursue all other available remedies which may include injunction relief, abatement of public nuisance, liens, imprisonment and other penalties as provided by law.

F. *Enforcement history.* When reviewing an application to renew a vacation rental license, the *Village Manager* or designee shall consider the violation history of the vacation rental identified in the application. If the violation history shows three or more violations of this Part 1 of this Chapter within the preceding 12 months from the application date, the Village Manager or designee shall not renew the vacation rental license unless:

1. All outstanding violations, fines or liens are satisfied and corrected; and
2. A bond, letter of credit, or escrowed funds in the amount of $10,000.00 is provided to the Village, in the form approved by the Village Manager. The bond shall be subject to forfeiture for future violations, as set forth in this Part 1 of this Chapter.

§ 13.5 - Modification of vacation rental license.

An application for modification of a vacation rental license shall be required in the event that any of the following changes to the vacation rental are proposed:

A. Change in the gross square footage.

B. Change in the number of bedrooms.

C. Change in the maximum occupancy.

D. Change in the number of parking spaces, or a change in the location of parking spaces.

E. Change in the number of bathrooms.

F. Any other material modifications that would increase the intensity of use.

§ 13.6 - Duration of vacation rental license.

The vacation rental license shall expire each September 30, and may be annually renewed thereafter by the owner if the vacation rental is in compliance with this Part 1 of this Chapter.

§ 13.7 - Renewal of vacation rental license.

An owner must apply annually for a renewal of the vacation rental license no later than 60 days prior to its expiration.

§ 13.8 - Licenses non-transferable, non-assignable.

Vacation rental licenses are non-transferable and non-assignable. If the ownership of any vacation rental is sold or otherwise transferred, any outstanding vacation rental license as to that vacation rental shall be null and void upon the sale or transfer. Transfers among entities of between legal and beneficial ownership where the same natural person remains in control before and after the transfer shall not be considered a transfer or assignment prohibited by this Section.

DIVISION 3, VACATION RENTAL REPRESENTATIVE

§ 13.9 - Duties of vacation rental representative.

Whenever any vacation rental is required to be registered under this Part 1 of this Chapter, the owner shall be designated as the vacation rental representative or appoint a person to serve as the vacation rental representative. The owner shall notify the *Village Manager* or designee in writing of the appointment within five days of being required to make such appointment, and shall thereafter notify the Village Manager or designee of any change of the vacation rental representative within five days of such change.

The designation of a vacation rental representative does not relieve the owner of the responsibility to comply with all state and local statutes and ordinances. Further, a vacation rental representative who accepts the designation to act on behalf of a property owner is held to the same standard as the property owner with respect to compliance with all statues and ordinances and may be cited for non-compliance with any code, rule, or ordinance applicable to the vacation rental.

Every vacation rental representative shall:

A. Be available by landline or mobile telephone answered by the vacation rental representative at the listed phone number 24-hours a day, seven (7) days a week to handle any problems arising from the vacation rental;

B. Be available with authority to address and coordinate solutions to problems with the vacation rental property 24 hours a day, seven (7) days a week and be physically present at the property within one (1) hour of notification to respond to occurrences including, but not limited to, emergencies, noise complaints, unpermitted events, and occupancy violations when determined by the *Police Department* that the presence of the vacation rental representative is required;

C. Conduct an on-site inspection of the vacation rental at the end of each rental period to ensure continued compliance with the requirements of this Part 1 of this Chapter;

D. Make available to the Village at any time requested a registration log with all occupant(s)' contact information and permanent address;

E. Provide written notice to prospective occupant(s), prior to occupancy of the vacation rental, of the vacation rental standards set forth herein and other applicable laws, ordinances, or regulations concerning noise, public nuisance, vehicle parking, solid waste collection, common area usage and occupancy limits;

F. Ensure compliance with all provisions of this Part 1 of this Chapter and promptly address and report violations of this Part 1 of this Chapter or of such other law or regulation of which the vacation rental representative knows or should know, to the *Village* or law enforcement, as appropriate;

G. Ensure that, at all times, all vehicles associated with The vacation rental are parked within the designated parking spaces and in compliance with the applicable laws, ordinances, and regulations set forth herein;

H. Ensure that all occupant(s) are aware that unauthorized occupants of any *Structure* or conveyance of the property that have been warned by the owner or vacation rental representative to leave and refuse to do so commit the offense of trespass of a structure or conveyance and will be charge under the State of Florida and local law; and

I. Post a *Sign* inside the vacation rental that clearly identifies the occupancy limit, maximum parking, and name and phone number of the vacation rental representative responsible for the property. The sign shall be posted inside if the residence next to the main entrance continuously during any period that the vacation rental license is active.

DIVISION 4, STANDARDS AND REQUIREMENTS FOR VACATION RENTALS

§ 13.10 - General.

The standards and requirements set forth in this ~~s~~Section shall apply to the rental, use, and occupancy of vacation rental in the *Village.*

§ 13.11 - Local phone service required.

At least one landline telephone with the ability to call 911 shall be available in the main level common area in the vacation rental.

§ 13.12 - ~~PARKING STANDARDS~~ Parking standards.

All parking must comply with this Part 1 of this Chapter, and all other applicable sections of the Village's *Code of Ordinances* and ULDC. In addition, all vehicles associated with the vacation rental, whether in the possession or control of the owner, vacation rental representative, or occupant(s), shall only be parked within a driveway or in a designated parking area as indicated on the vacation rental license application. Occupant(s) shall not be permitted to park more than two vehicles at any one time on the vacation rental property or on the *Street* or swale.

§ 13.13 - Solid waste handling and containment.

Solid waste containers sufficient to handle the maximum occupancy permitted shall be maintained in accordance with *Chapter 94*. All regulations regarding screening and storage of solid waste containers shall apply to vacation rentals. All solid waste containers shall be placed at curbside or other designated collection area only on scheduled collection days, no later than 7:00 a.m., and shall be removed therefrom that same day once collection has occurred.

Notice of the location of the ~~trash~~ solid waste storage containers and rules for collection shall be posted inside the vacation rental.

§ 13.14 - Maximum occupancy.

The maximum vacation rental occupancy shall not exceed any of the following standards:

A. Two (2) persons per bedroom. The number of bedrooms shall be based upon the property appraiser's residential profile of the property, and other documents of record, as needed;

B. T~~t~~he maximum occupancy shall be limited to ten (10) occupant(s) per vacation rental, the total size of the occupiable space or number of bedrooms notwithstanding;

C. Three (3) occupant(s) per one (1) *Off-Street Parking Space* legally available to the vacation rental, as required by duly approved site plan for the property or as required by the Code; ~~and~~

D. Any person present at the vacation rental after 11:00 p.m. on any night or before 7:00 am on any morning shall be considered an occupant for purposes of calculating maximum occupancy. Gratuitous guests of the occupant(s) do not count towards occupancy if they are not present between the hours of 11:00 pm and 7:00 am, but shall park in the designated locations.

§ 13.15 - Posting of vacation rental information.

Prior to the owner allowing another person to occupy the vacation rental, the owner shall post the following information.

A. In each vacation rental, located ~~outside on the back or~~ next to the main entrance door there shall be posted as a single page the following information:

1. The name, address, and phone number of the vacation rental representative;

2. The maximum occupancy of the vacation rental;

3. A statement advising the occupant(s) that any sound which crosses a property line at a

volume which is unreasonably loud is unlawful within the Village; as per the *Village Noise Ordinance.*

4. A sketch of the location of the designated parking spaces for use by occupant(s) and gratuitous guests;
5. The days and times of trash pickup;
6. The location of the nearest hospital; and
7. The local non-emergency police phone number.

B. A copy of the building evacuation map with a minimum size of 8-1/2" by 11" shall be provided to the occupant(s) upon the start of each vacation rental.

C. A sign shall be posted inside of the vacation rental that clearly identifies the occupancy limit, maximum parking, and name and phone number of the vacation rental representative. The sign shall be posted next to the main entrance of the vacation rental continuously during any period that the vacation rental license is active.

D. The foregoing shall be made a part of each rental agreement with occupant(s).

DIVISION 5, ADMINISTRATION, PENALTIES, AND ENFORCEMENT

§ 13.16 - Administration of vacation rental license program.

The ultimate responsibility for the administration of this Part 1 of this Chapter is vested in the *Village Manager*, or ~~his or her~~ designee, who is responsible for revoking, renewing, modifying, and suspending vacation rental licenses for existing vacation rental as set forth in this Part 1 of this Chapter.

§ 13.17 - Appeals.

Any decision of the *Village Manager*, or ~~his or her~~ designee, relating to the revocation, renewal, modification, or suspension of vacation rental license under this Part 1 of this Chapter shall be rendered in writing, and reviewed by the *Village Commission* if a notice by the owner is filed with the *Village Clerk* within ten (10) days after the action to be reviewed. The Village Clerk shall place the matter on the agenda of an upcoming meeting of the Village Commission, at which the matter will be reviewed. The decision of the Village Commission shall be final. Such final decision may be reviewed as permitted under Florida law.

§ 13.18 - Notice.

Any notice required under this Part 1 of this Chapter shall be accomplished by sending a written notification by U.S. Mail, postage paid, to the mailing address of the vacation rental representative set forth on documents filed with the *Village* under this subchapter, which shall be considered for all purposes as the correct address for service, or by personal service or delivery to the vacation rental representative.

§ 13.19 - Penalties and enforcement.

A. *By citation*.

Any violation of this Part 1 of this Chapter, or any rule adopted under this Part 1 of this Chapter, may be punished by citation, as specifically described in *Chapter 153, Code Enforcement* of the Code of Ordinances of North Bay Village, including but not limited to the requirements of a reasonable warning prior to issuance of a citation; provided, however, such violation shall be subject to a fine in the amount of $250.00, for the first offense, $500.00 for the second and subsequent offenses, plus a suspension of the vacation rental license or a refusal to ~~issue~~ renew a vacation rental license as provided hereinafter, following the second offense. A fine of $5,000.00 shall be imposed for the third and any subsequent offenses. Each day a violation exists shall constitute a separate and distinct violation.

B. *Other enforcement methods and penalties.*

Notwithstanding anything otherwise provided herein, violations of this Part 1 of this Chapter shall also be subject to all the enforcement methods and penalties that may be imposed for the violation of ordinances of the *Village* as provided in the *Village Code of Ordinances*. Nothing contained herein shall prevent the Village from seeking all other available remedies which may include, but not be limited to, injunctive relief, abatement of public nuisance, liens, fines, imprisonment, and other penalties as provided by law. For properties operating without a license as specified herein, incurring multiple code violations as specified herein, ~~and/~~or constituting a public nuisance, the *Village Manager* is authorized to initiate litigation to pursue other available remedies including, but not limited to, injunctive relief, abatement of public nuisance, recovery of liens and fines, and other causes of action, in court of competent jurisdiction.

C. *Suspension of license*.

1. In addition to any fines and any other remedies described herein or provided for by law, the Village Manager shall suspend a vacation rental license for six (6) months upon a second violation of this Part 1 of this Chapter in any in any continuous 12-month period, and for one year upon a third violation of this Part 1 of this Chapter in any continuous 12-month period. Violations subsequent to the third violation within the continuous 12-month period following the initial violation or ~~to~~ during the imposition of a suspension will result in the imposition of extensions of the suspension by one year per subsequent violation. Such suspension shall begin following notice, commencing either at the end of the current vacation rental agreement period, or after 30 calendar days, whichever is less.

2. For violations of the *Florida Building Code*, or *Florida Fire Prevention Code*, a vacation rental license shall be subject to temporary suspension starting immediately three (3) working days after citation for such violation if it is not corrected, re-inspected, and found in compliance, or as otherwise provided for tin the Florida Building Code or Florida Fire Prevention Code respectively.

3. The owner shall not be entitled to any refund of any portion of the annual fee paid for a license for any portion of the unexpired term of a license, because of suspension of the vacation rental license.

D. *Revocation/Denial of license*.

1. The Village Manager shall revoke or deny a renewal or modification of a vacation rental license issued under this Part 1 of this Chapter if the property owner has willfully withheld or falsified any information required for a vacation rental license.

2. The Village Manager may in addition to, or as an alternative to, the penalties of this section revoke or deny a renewal or modification of a vacation rental license issued under this Part 1 of this Chapter upon the third adjudication of a violation of this Part 1 of this Chapter, any Village ordinance, or state law by the vacation rental representative, owner, or occupant(s) of the vacation rental. Such denial or revocation is in addition to any other penalty or remedy available at law.

3. The owner shall not be entitled to any refund of the annual fee paid for a license for any portion of the unexpired term of a license, because of revocation or denial of the vacation rental license.

4. The licensee of a license that has been revoked loses the legal nonconforming right to maintain the revoked license or any license pursuant to Part 1 of this Chapter.

E. *Forfeiture of bond.*

1. Where a bond is required to renew a vacation rental license, if the vacation rental is cited for a violation of this Part 1 of this Chapter within 12 months of providing the bond, and hat citation is later resolved adversely to the owner or vacation rental representative, then the bond shall be deemed forfeited, and the vacation rental license for that vacation rental shall be revoked.

F. For all purposes under this Part 1 of this Chapter, service of notice on the vacation rental representative shall be deemed service of notice on the ~~property~~ owner and occupant(s).

G. No occupant(s) shall occupy a vacation rental, and no advertisement for the vacation rental shall occur during any period of suspension of a vacation rental's vacation rental license, or following the expiration, revocation, or denial of the license.

DIVISION 6, VESTING

§ 13.20 - Rental agreement vesting for properties with active vacation rental licenses.

It is recognized that there are likely existing rental/lease agreements for vacation rental ls as the time of passage of this Part 1 of this Chapter, or any amendment thereto, which may not be in compliance with the regulations herein. Rental agreements that were entered into prior to the date of adoption must comply with the requirements in effect at the time of execution of the rental agreement. No special vesting process or fee shall be required to obtain this vesting benefit. Rental agreements entered into after July 9, 2023 [VERIFY EFFECTIVE DATE] or any amendment thereto, must comply with this chapter, as it may be amended.

§ 13.21 – Vested rights determinations.

A. *Active license holders.*

The *Village* recognizes that certain owners have vested rights to maintain or extend rental licenses issued by the Village prior to July 9, 2023 [VERIFY EFFECTIVE DATE]. The Village finds that the holders of active vacation rental licenses on a list to be maintained by the *Village Clerk's office* shall continue to have the ability to utilize the property that is the subject of the license as a vacation rental in accordance with The regulations of this Part 1 of this Chapter until there is a transfer in ownership of the property as defined herein.

B. *Others.*

Between January 20, 2023 and April 19, 2023, any property owner claiming vested rights to vacation rental use who are not active vacation rental license holders may apply for a vested rights determination on a form determined by the Village, accompanied by an application fee to be established by resolution of the *Village Commission*, demonstrating their entitlement to vesting under Florida Law. The *Village Manager* may request additional information as may be appropriate for the evaluation of the application. The Village Manager shall review the application and any supporting documents and shall consult with other staff and the *Village Attorney's Office*, following which the Village Manager shall either grant the application for vested rights, or respond to the property owner in writing providing the reason(s) for denial. The decision shall be mailed by U.S. Mail to the address indicated on the application, return receipt requested.

C. *Appeal of vested rights determination.*

If the property owner disagrees with the determination of the Village Manager, he or she may file a written appeal of the decision to be heard by a hearing officer appointed for this purpose by the Village Commission within 30 days of the decision, specifying the bases for the claimed vested rights, on a form determined by the Village, accompanied by the payment of an appeal application fee to be established by resolution of the Village Commission. The hearing officer may grant the appeal only for an abuse of discretion.

D. *Effect of vested right determination.*

If vested rights to vacation rental use are found to exist, by the Village Manager or the Village Commission on appeal, the subject property shall be eligible to apply for insurance, extension, restoration, or modification of a vacation rental license, which may be granted upon compliance with all requirements of this Part 1 of this Chapter. Upon issuance, extension, restoration or modification of the license, the holder of the active vacation rental license will be added to the list of properties maintained by the *Village Clerk,* and shall have the ability to utilize the property as a vacation rental in accordance with the regulations of this Part 1 of this Chapter until there is a transfer in ownership of the property.

§ 13.22 – 13.50. Reserved.

PART 2
VACATION RENTAL LICENSES IN NON-RESIDENTIAL ZONING DISTRICTS

DIVISION 1. GENERAL PROVISIONS

§ 13.51 Legislative intent.

This Part 2 of this Chapter is intended to provide regulations for the issuance and maintenance and the potential enforcement, suspension, or revocation of vacation rental licenses in the *Non-Residential Zoning Districts* of the *Village*.

§ 13.52 Definitions.

For the purpose of this Part 2 of this Chapter, the following definitions hall apply unless the context clearly indicates or requires a different meaning.

1. *Agent.* A person or entity retained by an owner to carry out the duties and functions of an owner. All references to "owner" in this Part 2 of this Chapter shall be construed to include a designated agent. The owner must notify the *Village* in writing, on a form provided by the Village , of the identity and contact information of such agent, the vacation rental for which the agent is designated, and the specific duties that the agent will be performing for the owner. The owner may change the designation of agent at any time through the filing of a new form and the payment of an administrative fee in an amount as set by resolution by the *Village Commission*. The owner shall be held responsible for all actions of such designated agent with respect to the applicable vacation rental.
2. *Bedroom.* A room or enclosed floor space used or intended to be used for living or sleeping purposes, excluding kitchens, bathrooms, shower rooms, water closet, compartments, laundries, pantries, foyers, connecting corridors, closets, and storage space.
3. *License.* A vacation rental license issued by the Village pursuant to this Part 2 of this Chapter.
4. *Occupant.* Any person who occupies, either during the day or overnight, a vacation rental.
5. *Owner.* Is the fee simple owner of the vacation rental, whether an individual, partnership, corporation, limited liability company, trust, or other entity. In the event the owner is not an individual, each and every person who owns ten percent (10%) or more of the equitable interest in the vacation rental shall also be deemed an owner. Include an agent designated by the owner to perform the duties and functions of the owner.
6. *Transient public lodging establishment.* Any unit, group of units, *Dwelling*, *Building* or group of buildings within a single complex of buildings which is rented to guests more than three times in a calendar year for periods of less than 30 days or one calendar month, whichever is less, or which is advertised or held out of the public as a place regularly rented to guests.
7. *Vacation rental.* Any individually or collectively owned single- or multiple-family house or *Dwelling Unit* that is also a transient public lodging establishment, and is located in a non-

residential zoning district. Includes the *Yards*, driveways, and curtilage of any detached dwelling unit.

8. *Vacation rental representative.* The owner or the person designated by the owner of the vacation rental to be called upon to answer and be responsible for the maintenance of the vacation rental and the conduct and acts of occupant(s) of the vacation rental properties.

9. *Village.* North Bay Village, Florida, as geographically described in this Chapter.

DIVISION 2. VACATION RENTAL LICENSE

§ 13.53 Active license required.

A. All vacation rentals must hold an active vacation rental license issued by North Bay Village to operate within the *Village*. A separate vacation rental license shall be required for each vacation rental. The operation of a vacation rental without license shall be a violation of this Part 2 of this Chapter. Every day of such operation without license shall constitute a separate violation.

B. Advertisements pertaining to a vacation rental shall be consistent with the requirements, restrictions and regulations for vacation rentals and shall contain, at a minimum, the occupancy limit and maximum parking available for the vacation rental. Any advertisement inconsistent with the requirements, restrictions, regulations of the vacation rental license program shall be deemed prima facie evidence in any enforcement action that a vacation rental is being operated in violation of this Part 2 of this Chapter.

§ 13.54 Application for issuance, renewal, or modification of a vacation rental license.

A. An owner seeking initial issuance of a vacation rental license, or renewal or modification of a vacation rental license shall submit to the *Village* a completed vacation rental application in a form promulgated by the Village, together with an application fee in an amount set by resolution of the *Village Commission*.

B. A complete application for the initial issuance, or the renewal or modification of a vacation rental license shall demonstrate compliance with the standards and requirements set forth in this Chapter through the following submittals:

1. A completed vacation rental license application form, which must identify:
   a. The name, address, and phone number of the owner, and sworn evidence to demonstrate that this fully discloses all owners of the vacation rental as defined herein;
   b. The address and legal description of the vacation rental; and
   c. The name, address, and phone number of the vacation rental representative.
2. Payment of applicable *Fees*.

3. A copy of the vacation rental's current and active license as a Transient Public Lodging Establishment with the *Florida Department of Business and Professional Regulation*.

4. A copy of the vacation rental's current and active certificate of registration with the *Florida Department of Revenue* for the purposes of collecting and remitting sales surtaxes, transient rental taxes, and any other taxes required by law to be remitted to the Florida Department of Revenue.

5. Evidence of the vacation rental's current and active account with the *Miami-Dade County Tax Collector* for the purposes of collecting and remitting tourist and convention development taxes and any other taxes required by law to be remitted to the Miami-Dade County Tax Collector.

6. A copy of the current *Local Business Tax Receipt.*

7. Interior building sketch by floor. A building sketch (may be hand drawn) by floor shall be provided, showing a floor layout, and demonstrating compliance with the standards and requirements set forth in this part 2 of this chapter. The sketch provided shall be drawn to scale, and shall show and identify all bedrooms, other rooms, exists, hallways, stairways, smoke and carbon monoxide detectors, swimming pools, fire extinguishers and exit signage /lighting.

   An exterior site sketch (which may be hand drawn) showing and identifying all *Structures*, pools, spas, hot tubs, *Fencing*, and uses, including the number and the location of all *On-Site And Off-Site Parking Spaces* for the vacation rental, including identifying those parking spaces available for use by occupant(s).

8. Acknowledgement that each bedroom shall be equipped with an approved listed single-station smoke detector meeting the minimum requirements of the *NFPA*.

9. A section indicating the maximum occupancy of the vacation rental in accordance with *Section 13.64*.

10. A copy of the generic form vacation rental agreement to be used when contracting with occupant(s).

11. **Missing**

12. **Missing**

13. **Missing**

14. Statement as to whether the entire property, or just a part thereof (i.e., a room or rooms), will be used as a vacation rental.

15. Statement indicating how many times, and for how many days, the property was used as a vacation rental within the previous calendar year.

16. Notarized statement that the vacation rental representative has the permission of the owner and authority to offer the property as a vacation rental and act as the vacation rental representative in accordance with the duties prescribed in *Section 13.59*.

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

C. Incomplete applications will not be accepted, but will be returned with any *Fees* submitted to the owner with a notation of what items are missing.

D. Vacation rental license application shall be sworn to under penalty of perjury. Any false statements in an application shall be a basis for the revocation of any license issued pursuant to such application.

E. All vacation rental applications that are not signed by the owner must be accompanied by a signed and notarized letter providing the consent of the owner for the application, with acknowledgement that the *Village* may impose cite and fine the property for violations of this Part 2 of this Chapter, as well as pursue all other available remedies which may include injunction relief, abatement of public nuisance, liens, imprisonment, and other penalties as provided by law.

F. Enforcement history. When reviewing an application to renew a vacation rental license, the *Village Manager*, or designee, shall consider the violation history of the vacation rental identified in the application. If the violation history shows three or more violations of this Part 2 of this Chapter within the preceding 12 months from the application date, the Village Manager or designee shall not renew the vacation rental license unless:

1. All outstanding violations, fines or liens are satisfied and corrected; and

2. A bond, letter of credit, or escrowed funds in the amount of $10,000.00 is provided to the Village, in the form approved by the Village Manager. The bond shall be subject to forfeiture for future violations, as set forth in this Part 2 of this Chapter.

§ 13.55 Modification of vacation rental license.

An application for modification of a vacation rental license shall be required in the event that any of the following changes to the vacation rental are proposed:

A. A change in the gross square footage.

B. A change in the number of bedrooms.

C. A change in the maximum occupancy.

D. A change in the number of parking spaces, or a change in the location of parking spaces.

E. A change in the number of bathrooms.

F. Any other material modifications that would increase the intensity of use.

§ 13.56 Duration of vacation rental license.

The vacation rental license shall expire each September 30, and may be annually renewed thereafter by the owner if the vacation rental is in compliance with this Part 2 of this Chapter.

§ 13.57 Renewal of vacation rental license.

An owner must apply annually for a renewal of the vacation rental license no later than 60 days prior to its expiration.

§ 13.58 Licenses non-transferable, non-assignable.

Vacation rental licenses are non-transferable and non-assignable. If the ownership of any vacation rental is sold or otherwise transferred, any outstanding vacation rental license as to that vacation rental shall be null and void upon the sale or transfer. Transfers among entities or between legal and beneficial ownership where the same natural person remains in control before and after the transfer shall not be considered a transfer or assignment prohibited by this Section.

DIVISION 3. VACATION RENTAL REPRESENTATIVE

§ 13.59 Duties of vacation rental representative.

Whenever any vacation rental is required to be registered under this Part 2 of this Chapter, the owner shall be designated as the vacation rental representative or appoint a person to serve as the vacation rental representative. The owner shall notify the *Village Manager* or designee in writing of the appointment within five days of being required to make such appointment, and shall thereafter notify the Village Manager or designee of any change of the vacation rental representative within five days of such change.

The designation of a vacation rental representative does not relieve the owner of the responsibility to comply with all state and local statutes and ordinances. Further, a vacation rental representative who accepts the designation to act on behalf of a property owner is held to the same standard as the property owner with respect to compliance with all statues and ordinances and may be cited for non-compliance with any code, rule, or ordinance applicable to the vacation rental.

Every vacation rental representative shall:

A. Be available by landline or mobile telephone answered by the vacation rental representative at the listed phone number 24 hours a day, seven days a week to handle any problems arising from the vacation rental;

B. Be available with authority to address and coordinate solutions to problems with the vacation rental property 24 hours a day, seven days a week and be physically present at the property within one hour of notification to respond to occurrences including, but not limited to, emergencies, noise complaints, unpermitted events, and occupancy violations when determined by the *Police Department* that the presence of the vacation rental representative is required;

C. Conduct an on-site inspection of the vacation rental at the end of each rental at the end of each rental period to ensure continued compliance with the requirements of this Part 2 of this Chapter;

D. Maintain and make available to the *Village* at any time requested a registration log with all occupant(s)' contact information and permanent address;

E. Provide written notice to prospective occupant(s), prior to occupancy of the vacation rental, of the vacation rental standards set forth herein and other applicable laws, ordinances, or

regulations concerning noise, public nuisance, vehicle parking, solid waste collection, common are usage and occupancy limits;

F. Ensure compliance with all provisions of this Part 2 of this Chapter and promptly address and report violations of this Part 2 of this Chapter or of such other law or regulation of which the vacation rental representative knows or should know, to the Village or law enforcement , as appropriate;

G. Ensure that, at all times, all vehicles associated with the vacation rental are parked within the designated parking spaces and in compliance with the applicable laws, ordinances, and regulations set forth herein;

H. Ensure that all occupant(s) are aware that unauthorized occupants of any *Structure* or conveyance of the property that have been warned by the owner or vacation rental representative to leave and refuse to do so commit the offense of trespass of a structure or conveyance and will be charged under the State of Florida and local law; and

I. Post a *Sign* inside the vacation rental that clearly identifies the occupancy limit, the maximum parking, and name and phone number of the vacation rental representative responsible for the property. The sign shall be posted inside of the residence next to the main entrance continuously during any period that the vacation rental license is active.

DIVISION 4. STANDARDS AND REQUIREMENTS FOR VACATION RENTALS

§ 13.60 General.

The standards and requirements set forth in this section shall apply to the rental, use, and occupancy of vacation rentals in the *Non-Residential Zoning Districts* of the *Village*.

§ 13.61 Local phone service required.

At least one (1) landline telephone with the ability to call 911 shall be available in the main level common areas in the vacation rental.

§ 13.62 Parking standards.

All parking must comply with this Part 2 of this Chapter, and all other applicable sections of the Village's *Code of Ordinances* and ULDC. In addition, all vehicles associated with the vacation rental, whether in the possession or control of the owner, vacation rental representative, or occupant(s), shall only be parked within a driveway or in a designated parking area as indicated on the vacation rental license application. Occupant(s) shall not be permitted to park more than two vehicles at any one time on the vacation rental property or on the *Street* or swale.

§ 13.63 Solid waste handling and containment.

Solid waste containers sufficient to handle the maximum occupancy permitted shall be maintained in accordance with *Chapter 94*. All regulations regarding screening and storage of solid waste containers shall apply to vacation rentals. Solid waste containers shall be placed at curbside or

other designated collection are only on scheduled collection days, no later than 7:00 a.m., and shall be removed therefrom that same day once collection has occurred.

Notice of the location of the solid waste storage containers and rules for collection shall be posted inside the vacation rental.

§ 13.64 Maximum occupancy.

The maximum vacation rental occupancy shall not exceed any of the following standards:

A. Two (2) persons per bedroom. The number of bedrooms shall be based upon the property appraiser's residential profile of the property, and other documents of record, as needed;

B. The maximum occupancy shall be limited to ten (10) occupant(s) per vacation rental, the total size of the occupiable space or number of bedrooms notwithstanding;

C. Three (3) occupant(s) per one (1) *Off-Street Parking* space legally available to the vacation rental, as required by duly approved site plan for the property or as required by the Code; and

D. Any person present at the vacation rental after 11:00 p.m. on any night or before 7:00 a.m. on any morning shall be considered an occupant for purposes of calculating maximum occupancy. Gratuitous guests of the occupant(s) do not count towards occupancy if they are not present between the hours of 11:00 p.m. and 7:00 a.m., but shall park in the designated locations.

§ 13.65 Posting of vacation rental information.

Prior to the owner allowing another person to occupy the vacation rental, the owner shall post the following information.

A. In each vacation rental, located next to the main entrance door there shall be posted as a single page the following information:

1. The name, address, and phone number of the vacation rental representative;
2. The maximum occupancy of the vacation rental;
3. A statement advising the occupant(s) that any sound which crosses a *Property Line* at a volume which is unreasonably load is unlawful within the *Village*; as per the *Village Noise Ordinance*;
4. A sketch of the location of the designated parking spaces for use by occupant(s) and gratuitous guests;
5. The days and times of trash pickup;
6. The location of the nearest hospital; and
7. The local non-emergency police phone number.

B. A copy of the building evacuation map, with a minimum size of 8 ½" by 11", shall be provided to the occupant(s) upon the start of each vacation rental.

C. A *Sign* shall be posted inside of the vacation rental that clearly identifies the occupancy limit, maximum parking, and name and phone number of the vacation rental representative. The sign shall be posted next to the main entrance of the vacation rental continuously during any period that the vacation rental license is active.

D. The foregoing shall be made a part of each rental agreement with occupant(s).

DIVISION 5. ADMINISTRATION, PENALTIES, AND ENFORCEMENT

§ 13.66 Administration of vacation rental license program.

The ultimate responsibility for the administration of this Part 2 of this chapter is vested in the *Village Manager*, or designee, who is responsible for issuing, revoking, renewing, modifying, and suspending vacation rental licenses for vacation rentals as set forth in this Part 2.

§ 13.67 Appeals.

Any decision of the *Village Manager*, or designee, relating to the revocation, renewal, modification, or suspension of a vacation rental license under this Part 2 of this Chapter shall be rendered in writing, and reviewed by the *Village Commission* if a notice by the owner is filed with the *Village Clerk* within ten days after the action to be reviewed. The Village Clerk shall place the matter on the agenda of an upcoming meeting of the Village Commission, at which the matter will be reviewed. The decision of the Village Commission shall be final. Such final decision may be reviewed as permitted under Florida Law.

§ 13.68 Notice.

Any notice required under this Part 2 of this Chapter shall be accomplished by sending a written notification by U.S. Mail, postage paid, to the mailing address of the vacation rental representative set forth on documents filed with the *Village* under this subchapter, which shall be considered for all purposes as the correct address for service, or by personal service or delivery to the vacation rental representative.

§ 13.69 Penalties and enforcement.

A. *By citation.*

Any violation of this Part 2 of this Chapter 13, or any rule adopted under this Part 2 of this Chapter, may be punished by citation, as specifically described in *Chapter 153*, Code Enforcement of the Code of Ordinances of North Bay Village, including but not limited to the requirement of a reasonable warning prior to issuance of a citation; provided, however, such violation shall be subject to a fine in the amount of $250.00, for the first offence, $500.00 for the subsequent offenses, plus a suspension of the vacation rental license or a refusal to renew a vacation rental license as provided hereinafter, following the second offense. Each day a violation exists shall constitute a separate and distinct violation.

B. *Other enforcement methods and penalties.*

Notwithstanding anything otherwise provided herein, violations of this Part 2 of this Chapter shall also be subject to all the enforcement methods and penalties that may be imposed for the violation of ordinances of the *Village* as provided in the Village *Code of Ordinances*. Nothing contained herein shall prevent the Village from seeking all other available remedies which may include, but not limited to, injunctive relief, abatement of public nuisance, liens, fines, imprisonment, and other penalties as provided by law. For properties operating without a license as specified herein, incurring multiple code violations as specified herein, or constituting a public nuisance, the *Village Manager* limited to, injunctive relief, abatement to public nuisance, recovery of liens and fines, and other causes of action, in court of component jurisdiction.

C. *Suspension of license.*

1. In addition to any fines and any other remedies described herein or provided for by law, the Village Manager shall suspend a vacation rental license for six (6) months upon a second violation of this Part 2 of this Chapter in any continuous 12-month period, and for one year upon a third violation of this chapter in any 12-month period. Violations subsequent to the third violation within the continuous 12-month period following the initial violation or during the imposition of a suspension will result in the imposition of extensions of the suspension by one year per subsequent violation. Such suspension shall begin following notice, commencing either at the end of the current vacation rental agreement period, or after 30 calendar days, whichever is less.

2. For violations of the *Florida Building Code*, or *Florida Fire Prevention Code*, a vacation rental license shall be subject to temporary suspension starting immediately three working days after citation for such violation if this is not corrected, re-inspected, and found in compliance, or as otherwise provided for in the Florida Building Code or Florida Fire Prevention Code respectively.

3. The owner shall not be entitled to any refund of any portion of the annual fee paid for a license for any portion of the unexpired term of a license, because of suspension of the vacation rental license.

D. *Revocation/Denial of license.*

1. The *Village Manager* shall revoke or deny a renewal or modification of a vacation rental license issued under this Part 2 of this Chapter if the property owner has willfully withheld or falsified any information required for a vacation rental license.

2. The Village Manager may in addition to, or as an alternative to, the penalties of this Section revoke or deny a renewal or modification of a vacation rental license issued under this Part 2 of this Chapter upon the third adjudication of a violation of this Part 2 of this Chapter, any Village ordinance, or state law by the vacation rental representative, owner, or occupant(s) of the vacation rental. Such denial or revocation is in addition to any other penalty or remedy available at law.

3. The owner shall not be entitled to any refund of the annual fee paid for a license for any portion of the unexpired term of a license, because of revocation or denial of the vacation rental license.

4. The licensee of a license that has been revoked loses the legal nonconforming right to maintain the revoked license or any other license pursuant to Part 1 of this Chapter.

E. *Forfeiture of bond.*

1. Where a bond is required to renew a vacation rental license, if the vacation rental is cited for a violation of this Part 2 of this Chapter within 12 months of providing the bond, and that citation is later resolved adversely to the owner or vacation rental representative, then the bond shall be deemed forfeited, and the vacation rental license for that vacation rental shall be revoked.

2. If there are no violations for 12 months after providing the security, the Village Manager or designee shall release the bond upon written request from the owner. Until the owner obtains release, the bond shall continue to be subject to forfeiture for future violations.

F. For all purposes under this Part 2 of this Chapter, service of notice on the vacation rental representative shall be deemed service of notice on the owner and occupant(s).

G. No occupant(s) shall occupy a vacation rental, and no advertisement for the vacation rental shall occur during any period of suspension of a vacation rental's vacation rental license, or following the expiration, revocation, or denial of the license.

DIVISION 6. VESTING

§ 13.70 Rental agreement vesting for properties with active vacation rental licenses.

It is recognized that there are likely existing rental/lease agreements for vacation rentals as the time of passage of this Part 2 of this Chapter, or any amendment thereto, which may not be in full compliance with the regulations herein. Rental agreements that were entered into prior to the date of adoption must comply with the requirements in effect at the time of execution of the rental agreement. No special vesting process or fee shall be required to obtain this vesting benefit. Rental agreements entered into after July 19, 2022 [VERIFY EFFECTIVE DATE] or any amendment thereto, must comply with this Part 2 of this Chapter, as it may be amended.

CHAPTER 14, PROHIBITION ON MEDICAL MARIJUANA DISPENSING FACILITIES

§ 14.1 – Purpose.

A. *Prohibition*.
Medical Marijuana Treatment Center Dispensing Facilities are prohibited and shall not be located within the boundaries of the *Village*. The Village shall not accept, process, or approve any request or application for a development order, building permit or other approval associated with a proposed Medical Marijuana Treatment Center Dispensing Facility.

B. Definition.
For the purposes of this ~~s~~Section, the term "Medical Marijuana Treatment Center Dispensing Facility" means any facility where medical marijuana or any product derived therefrom is dispensed at retail.

C. *Interpretation/Intent*.
This ~~s~~Section and the terms used herein shall be interpreted in accordance with Florida Statute *Section 381.986* and *Ch. 64-4* of the Florida Administrative Code. The intent of this ~~s~~Section is to ban medical marijuana treatment center dispensing facilities from being located within the boundaries of the Village as authorized by Florida Statute *Section 381.986(11).*

CHAPTER 15, FORM-BASED CODE

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§ 15.1. General provisions

A. *Title*.

This Chapter shall be known as the NBV100 Form-Based Code or the Form- Based Code.

B. *Purpose and ~~l~~intent*.

This Chapter sets forth the standards applicable to Form-Based Districts and Transect Zones in North Bay Village. These standards are intended to:

1. Support the goals, objectives, and policies of the North Bay Village *Comprehensive Plan*.
2. Support the goals of the *NBV100 Master Plan*, which include Livability, Resiliency, and Prosperity.
   a. Livability goals include:
      (1) Prioritize people over cars.
      (2) Embrace the waterfront.
      (3) Improve the quality of life.
      (4) Synergize public space to refresh NBV identity.
   b. Resiliency goals include:
      (1) Implement responsible and self-sustaining policies that reflect NBVs commitment to the stewardship of its waterfront and the water quality of *Biscayne Bay*.
      (2) Help mitigate climate change through resource conservation and reductions in carbon admissions.
      (3) Prepare for sea level rise and severe weather events by constructing stronger seawalls, improving stormwater management, and raising public infrastructure.
   c. Prosperity goals include:
      (1) Capitalize on existing resources.
      (2) Increase private property value.
      (3) Optimize and manage parking.
      (4) Incentivize flexibility and predictability.

C. *Form-Based Districts*.

1. The Form-Based Districts in North Bay Village are each composed of one or more Transect Zones. See *Section 15.1.D* and *Section 15.5*. Form-Based Districts Regulating Plan.
2. The extent of each Form-Based District and Transect Zone is described on the Form-Based Districts Regulating Plan and in the pertinent regulatory section for each District, see *Section 15.2*. General to Transect Zones, *Section 15.3*. Specific to Transect Zones, and *Section 15.5*. Form-Based Districts Regulating Plan.

D. *Form-Based Districts Regulating Plan*.

1. The Form-Based Districts Regulating Plan, *Section 15.5.* shows the boundaries of Form-Based Districts and Transect Zones in North Bay Village.

2. Locations within North Bay Village that are outside the boundaries of the Form-Based Districts and Transect Zones shall retain their current zoning designations and regulations under the NBV ULDC. Existing zoning and overlay districts are not shown on the Form-Based Districts Regulating Plan and are not subject to the regulations in the Form-Based Code.

E. *Applicability*.

1. Regulations in this Chapter for the Form-Based Districts shall replace the prior zoning and overlay districts within the boundaries described on the Form-Based Districts Regulating Plan. See *Section 15.5.* Form-Based Districts Regulating Plan.

2. The Form-Based Code shall apply to all new construction and substantial modifications, as defined by the Florida Building Code, within the Form-Based Districts.

3. The Form-Based Code shall supersede prior regulations in the North Bay Village Unified Land Development Code (ULDC) for properties within the Form-Based Districts except where specified. Where a conflict exists between the Form-Based Code and other portions of the ULDC, the Form-Based Code shall prevail.

F. *Rules of construction*.

1. In their interpretation and application, the provisions of Chapter 15, Form-Based Districts shall be the minimum requirements or maximum limitations, as the case may be~~,~~ adopted for the promotion of the public health, safety, morals or general welfare.

2. The following general rules of construction shall apply to the text of this Chapter:

   a. Headings. Section and subsection headings shall not be deemed to govern, limit, modify, or in any manner affect the scope, meaning, or intent of any provision of the Code.

   b. Illustrations. In case of any difference of meaning or implication between the text of any provision and any illustration, the text shall control, unless the intent of the Code is clearly otherwise.

   c. Terminology: Shall, may and should.

      (1) "Shall" is always mandatory and not permissive. Standards, activated by “shall”, are regulatory in nature. Deviations from these standards shall only be permitted by Variance in accordance with *Chapter 7*, Variances.

      (2) "Should" is advisory and identifies guidance provided by the *Village Commission* in the implementation of these regulations. Guidelines, activated by “should”, are encouraged and recommended but not mandatory. The intent is to create the highest level of design quality while providing the needed flexibility for creative site design.

(3) "May" is permissive.

d. Any act authorized by this Form-Based Code to be carried out by a specific official or agency of the *Village* is impliedly authorized to be carried out by a designee of that official or agency.

e. Any reference to federal laws, Florida Statutes, Florida Administrative Code, Miami-Dade County Code, or any other official code shall be construed to be a reference to the most recent enactment of the particular law and shall include any amendments to it as may be adopted from time to time.

f. Capitalized terms in this Chapter refer to Definitions in *Section 15.4.*

G. *Nonconformities*.

1. Existing *Buildings* and *Structures* that do not conform to the requirements of this district may be occupied, operated, repaired, renovated, or otherwise continue in use in their existing non-conforming state until such time as a substantial modification is requested to 50% or more of the structure, or as defined by the *Florida Building Code.*

2. The adaptive re-use of a Building shall not be required to comply with minimum *Height* standards established in the Development Standards for each Transect Zone. See *Section 15.2*, and *Section 15.3.*

3. The restoration or rehabilitation of an existing Building does not require the provision of parking in addition to the existing, if less than six (6) new spaces are required.

4. For all other Non-Conformities regulations, see *Chapter 6*, Non-Conformities.

H. *Procedures*.

1. See *Chapter 4* – Administration and Enforcement.

2. See *Chapter 5* – Permits and Development Approvals.

3. See *Chapter 7* – Variances.

4. Deviations from this Code are permitted within the following conceptual framework. The specifics of the Procedures are governed by Chapters 4, 5, and 7 and other provisions of the ULDC predating Chapter 15, Form-Based Code.

a. Deviations related to Use.

(1) A Warrant is a permit for a minor deviation from the Uses allowed by this Code that is granted administratively by the *Village Manager* upon review and recommendation by the *Planning and Zoning Official*.

(a) At the time of submitting the application to the Village ~~Building and~~ *Planning and Zoning Department*, the applicant shall notify all Abutting property owners, including those across a *Street* or *Alley*, by certified mail. In the case of Abutting condominiums, only one notice to the condominium association need be sent.

(b) The applicant shall submit the certified receipts from all notices to the

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

~~Building and~~ Planning and Zoning Department at the time of application. The decision on a Warrant shall be posted on the Village website within five (5) days of the written decision for a minimum period of thirty (30) days.

(c) Review and approval process.

i. The *Planning and Zoning Official* shall review each submitted application for a Warrant for completeness. The Warrant application may be referred for development review if the Planning and Zoning Official determines that a review is necessary.

ii. The *Village Manager* shall issue an intended decision within fourteen (14) calendar days of a determination that the application is complete. The applicant shall have seven (7) calendar days from receipt of the notice of the intended decision to request a conference with the Planning and Zoning Official to discuss revisions or additional information regarding the application. Within seven (7) calendar days of the conference, or if no conference is requested, the Planning and Zoning Official shall issue written findings and determinations regarding the applicable criteria set forth in this Code and any other applicable regulations. The applicant and the Planning and Zoning Official may mutually consent to an extension of the time for issuance of the final decision. The findings and determinations shall be used to approve, approve with conditions, or deny the *Warrant* application.

iii. The Village Manager shall approve, approve with conditions, or deny the Warrant application, but in no event shall a Warrant be issued prior to thirty (30) calendar days from the time of notice to the Abutting property owners. Approvals shall be granted when the application complies with all applicable regulations. Conditional approvals shall be issued when the applications require conditions in order to be found in compliance with all applicable regulations. Denials of applications shall be issued if after conditions and safeguards have been considered, the application still fails to comply with all applicable regulations.

(d) Review criteria.

i. As appropriate to the nature of the Warrant involved and the particular circumstances of the case, the following criteria shall apply to a Warrant application. The application shall be reviewed for compliance with this Chapter and not in violation of the North Bay Village's Unified Land Development Code. The review shall consider the intent of the Transect expressed in *Section 15.1*, the guiding principles of NBV100, and the manner in which the proposed Use will operate given its specific location and proximity to less intense Uses. The review shall also apply *Section 15.7.I. - Design Review Criteria*, as applicable.

(e) Procedure for appealing an administrative decision on a Warrant.

i. Appeal of the determination of the Village Manager shall be in compliance with the procedures set forth in *Chapter 4 – Administration and Enforcement*, *Sections 4.4*, and *4.5* of this Code.

(f) A Warrant shall be valid for a period of two (2) years during which a building permit or Certificate of Use must be obtained. This excludes a demolition or landscape permit. A one-time extension, for a period not to exceed an additional year, may be obtained if approved by the Village Manager.

(2) A Use Exception is a permit for a major deviation from the *Uses* allowed by this Code that requires a Public Hearing. See Chapter 4, *Section 4.4 – Public Hearings* procedures.

b. Deviations not related to Use.

(1) A *Waiver* is a permit for a minor deviation from the requirements of this Code other than for Use that is granted administratively by the Village Manager or designee upon review and recommendation by the *Planning and Zoning Official*. Waivers are intended to relieve practical difficulties in complying with the strict requirements of this Code. Waivers are not intended to relieve specific cases of financial hardship, nor to allow circumventing of the intent of this Code.

(a) As appropriate to the nature of the Waiver involved and the particular circumstances of the case, Waivers up to ten percent (10%) of that particular standard of this Code except *Density*, *Intensity* and *Height* (except as provided for herein, and with some exceptions for rooftop equipment), may be granted when doing so promotes the intent of the particular Transect Zone where the proposal is located; is consistent with the guiding principles of this Code; and there is practical difficulty in otherwise meeting the standards of the Transect Zone. The inability to achieve maximum Density, Height, or floorplate for the Transect shall not be considered grounds for the granting of a Waiver. This Waiver cannot be combined with any other specified Waiver of the same standard. For exceptions to the height requirements that may be granted by Waiver, see *Section 15.2.C.4.*

(b) Prior to submitting an application for an administrative Waiver, the prospective applicant shall meet in a preapplication meeting with the Planning & Zoning Official to obtain information and guidance as to matters related to the proposed application.

(c) At the time of submitting the application to the Village ~~Building and~~ Planning and Zoning Department, the applicant shall notify all Abutting property owners, including those across a street or alley, by certified mail. In the case of Abutting condominiums, only one notice to the condominium association need be sent.

(d) The applicant shall submit the certified receipts from all notices to the

Building and Zoning Department at the time of application. The decision on a Waiver shall be posted on the Village website within five (5) days of the written decision for a minimum period of thirty (30) days.

(e) Review and approval process.

i. The Planning and Zoning Official shall review the Waiver application, as required under this Code. The application shall be reviewed for compliance with this Chapter, and not in violation of the North Bay Village's Unified Land Development Code or the *Florida Building Code*. The review shall consider the intent of the Transect expressed in *Section 15.1* and the guiding principles of NBV100. The review shall also apply *Section 15.7.I. - Design Review Criteria Table*, as applicable. The Waiver application may be referred for development review if the Planning and Zoning Official determines that a review is necessary.

ii. Based on the applicable findings and recommendations of the *Planning and Zoning Official*, the *Village Manager* or designee will issue a final decision on the Waiver request within fourteen (14) calendar days of receiving the Planning and Zoning Official's findings and recommendations. The application shall be approved, approved with conditions, or denied, but in no event shall a Waiver be issued prior to thirty (30) days from the time of notice to the Abutting property owners.

iii. Approvals shall be granted when the application complies with all applicable regulations. Conditional approvals shall be issued when such applications require conditions in order to be found in compliance with all applicable regulations. Denials of applications shall be issued if, after conditions and safeguards have been considered, the application still fails to comply with all applicable regulations.

(f) Procedure for appealing an administrative decision on a Waiver.

(a) Appeal of the determination of the Village Manager shall be in compliance with the procedures set forth in Chapter 4 – Administration and Enforcement, *Section 4.5.*

(g) A Waiver shall be valid for a period of two (2) years during which a *Building Permit* or *Certificate of Use* must be obtained. This excludes a demolition or landscape permit. A one-time extension, for a period not to exceed an additional year, may be obtained if approved by the Village Manager.

(2) A *Variance* is a permit for a major deviation from the requirements of this Code other than for *Use* that requires a Public Hearing. *See Chapter 7,* Variances.

§ 15.2. General to Transect Zones.

A. *Explanation of Transect Zones*.

The Transect, as a framework applied to urban conditions, identifies a range of habitats from the most natural to the most urban. It is a continuum that, when subdivided, lends itself to the creation of zoning categories. These categories include standards that encourage diversity similar to that of organically evolved settlements. The standards overlap (they are parametric), reflecting the successional ecotones of natural and human communities. The Transect methodology allows for a wide range of Building types in each Transect Zone, arranged to provide balanced walkable streetscapes. This Code contains the following Transect Zones:

1. The Urban Core Zone (T6) consists of the highest *Density* and greatest variety of *Uses*, including *Civic Buildings*. A network of small blocks has walkable Thoroughfares with wide *Sidewalks*, with steady tree planting and *Buildings* set close to the *Frontage* with frequent doors and windows.
2. Reserved – T5
3. Reserved – T4
4. Reserved – T3
5. Reserved – T2
6. Reserved – T1

B. *Lots and ~~F~~frontages*.

1. *Lots* facing *Thoroughfares* on more than one (1) side shall have designated *Primary Frontage(s)* and may have *Secondary Frontage(s).* A Primary Frontage shall be that facing the Thoroughfare of higher pedestrian importance or intensity (i.e., traffic volume, number of lanes, etc.), as determined by the ~~Building and~~ *Planning and Zoning Department* upon request by the *Planning and Zoning Official*.
   a. Lots shall have at least one (1) Primary Frontage, except waterfront Lots shall have at least two (2) Primary Frontages, one of which shall be the waterfront and shall conform to *Building Development Standards* for each Transect Zone as described in *Section 15.3*. Specific to Transect Zones.
   b. If two Thoroughfares are of equal importance, each Frontage shall be considered a Primary Frontage.
   c. Lots with two or more *Frontages* may consider other non-fronting *Property Lines* as sides.
   d. Where an existing lot of record is located adjacent to a Thoroughfare in a manner that creates an irregular Frontage such that the side or rear yards cannot be determined as with a regular lot, the Planning ~~&~~and Zoning Official shall determine, by *Waiver*, the *Yard* and *Setbacks* for the lot as fits the circumstances of the case.
   e. For Frontage Types, see *Section 15.6.A. Frontage Types Table*.
2. Reserved – T3

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

C. *Measurement of ~~H~~height*.

1. Unless otherwise specified herein, the *Height of Buildings* shall be measured in feet from the *Base Flood Elevation (BFE)* plus *Freeboard.* Refer to *FEMA Flood Insurance Rate Map (FIRM)* for BFE. Refer to *Section 10.5.B*. for Freeboard requirements and *Section 15.7.B.5.* and *Section 15.7.C.5.* for building height requirements.

2. A *Story* is a *Habitable* level within a *Building* and shall conform to the *Building Development Standards* for each *Transect Zone* as described in *Section 15.3*. Unless otherwise specified herein, a Story shall be measured from *Finished Floor* to Finished Floor. For the topmost Story, the Story shall be measured to the top of a flat roof or to bottom of eaves on a pitched roof. Basements, *Understories*, and roof decks are not considered Stories for the purposes of determining Building Height.

3. The *Height* of *Fences* and *Site Walls* and walls shall be measured in feet from grade.

4. Except as specifically provided herein, the Height limitations of this Code shall not apply to any roof *Structures* for housing stairways, elevators, tanks, ventilating fans, solar energy collectors, *Green Roofs* or similar equipment required to operate and maintain the *Building*, provided that such Structures shall not cover more than twenty percent (20%) of roof area and shall not exceed the maximum Height by ten (10) feet; nor to ~~church~~ *House of Worship* spires, steeples, belfries, monuments, water towers, flagpoles, vents, or similar Structures, which may be allowed to exceed the maximum Height by Waiver; nor to fire or parapet walls, which shall conform to the *Building Development Standards* for each Transect Zone as described in *Section 15.3.* Solar energy collectors, *Wind Turbines,* and the structural components of green roofs are subject to the Height exceptions provided by *Sec. 8.17.G.*

D. *Thoroughfares*.

1. Thoroughfares are intended for use by vehicular, transit, bicycle, and pedestrian traffic and to provide access to *Lots* and *Open Spaces*.

2. Thoroughfares consist of lanes for vehicles, transit, bicycles, and *Public Frontages*. The lanes may have a variety of widths for movement and parking. The Public Frontages contribute to the character of Transect Zones. They may include swales, *Sidewalks*, curbing, *Planters*, bicycle paths and street trees. See *Section 15.6.A. Frontage Types Table* and *Section 15.6.B. Definitions Illustrated Table.*

3. Thoroughfares should be designed in context with the urban form and desired design speed of the Transect Zones through which they pass. The Public Frontages that pass from one Transect Zone to another should be adjusted accordingly.

4. Pedestrian comfort should be a primary consideration of Thoroughfare design and dimensions. Design conflict between vehicular, bicycle, and pedestrian movement should be decided in favor of the pedestrian.

5. Bicycles are a sustainable and viable mode of transportation and recreation in North Bay Village. Bicycle use of Thoroughfares should be as follows: Bicycles and vehicles may

share use of lanes on all Thoroughfares. Thoroughfares that have sufficient paving width to accommodate bicyclists' safety should include dedicated *Bicycle Lanes*. Greenways, the *Island Walk* and other *Civic Spaces* should include Bicycle usage.

E. *Shopfront ~~S~~standards*.

1. General.
   a. Shopfront windows, doors, *Signage*, *Awnings*, lighting, and architectural details shall be designed as a unified composition.
   b. Each *Shopfront* shall be limited to three Sign types and shall conform with the tables and illustrations in *Section15.6.E.* and *Section 15.6.F.*
2. Shopfront Finishes. The majority of exposed finishes apart from glazing shall be custom metal work, steel frame, stone, stucco, brick, wood or wood-like materials, not extruded aluminum and panels.
3. Shopfront windows. Reflective glass shall not be permitted along any commercial street. In flood-prone areas, glazing below the *BFE* plus *Freeboard* shall be equipped with certified flood-proofing.
4. Entrance Doors.
   a. Each tenant space shall have at least one three-foot wide door at the main entry. Shopfront entrances are encouraged at *Building* corners.
   b. Shopfront entrance doors shall be recessed to allow the door to swing out without obstructing pedestrian flow on the sidewalk.
   c. *Walls* providing entry door recesses should be glazed to match shopfront display windows.
   d. Entry doors should be a minimum of eight (8) feet in *Height.*
   e. The business address should be advertised with a window sign on the transom above the entry door. If there is no transom, the address shall be displayed on a plaque next to or above the door.
5. Other Doors.
   a. Where appropriate, sliding, or folding doors that allow the activity of the business to open adjacent to and onto the public sidewalk may be installed for restaurants and food services.
   b. Rear and side doors facing service *Alleys* and parking lots are encouraged, but not required.
6. Bulkheads. Shopfronts shall have a minimum 12-inch-high masonry Bulkhead or knee wall along all street frontages. Shopfront Bulkheads shall be a maximum of 30 inches above the adjacent sidewalk. Bulkheads shall be designed as an integral component of the overall Shopfront. Flood-proof Bulkheads of the maximum allowed Height are encouraged in flood-prone areas.

7. Signage Bands. Shopfronts should have a horizontal signage band above the first-floor fenestration to accommodate a band sign. A Signage Band is an architectural feature that should be integral with the design of the Shopfront's facade and may be a contrasting color to the Building, see *Section 9.20* and *Section 15.6. F.* Sign Bands shall have a maximum Height of thirty (30) inches and may extend the entire length of the Shopfront. Signage Bands shall not be internally illuminated but may be externally lit.

8. Security Gates and Shutters.
   a. Solid metal security gates and solid roll-down shutters shall not be permitted.
   b. Interior link or grill security devices may be permitted with approval by the *Village* if they are completely enclosed or hidden from view when not in use.

9. Awnings.
   a. All awnings shall be integral to the overall design of the Shopfront and shall respect column and window spacing.
   b. Awnings shall be a metal armature stretching a non-translucent membrane and shall have a maximum of two colors. They shall consist of sloping squares or rectangles and should be coordinated with the top edge of the ground floor windows and doorframes and the bottom of the transom windows, see Section 15.6. F. Side panels are allowed but not encouraged. Soffit panels are not allowed.
   c. Awnings may be fixed or retractable.
   d. Awnings shall be a minimum of five (5) feet wide by five (5) feet deep. They shall be installed a minimum of seven (7) feet from the ground and project no more than fifteen (15) feet from the *Building Facade*. Awnings shall have a maximum slope of 1:3 (33%) from the *Building* to the edge.
   e. Round, half domed, and plastic awnings are prohibited.
   f. Awnings may be used as signs and shall conform to the Sign Standards. Only the tenant's store name, logo, and/or address shall be applied to the awning. See Section 15.~~1~~2. F. and Section 15.6. F.
   g. Alternative materials such as glass or metal are allowed.
   h. Awnings and canopies which shade outdoor dining space associated with restaurants may ~~shall not~~ be backlit from below or inside by outdoor lighting fixtures not exceeding 30.0 foot candles of illumination. Awnings and canopies which are not associated with outdoor dining ~~but~~ may be externally lit from above. Illumination onto adjacent properties shall not exceed 0.5 foot-candles.
   i. Awnings are not allowed under *Galleries* or *Arcades*.

10. Canopies function like awnings, but are rigid, project horizontally from the Building at close to a 90-degree angle and are generally fixed in place. They shall be installed a minimum of eight (8) feet from the ground and project no more than fifteen (15) feet

from the Building Facade.

F. *Sign ~~S~~standards*.

***

[NO CHANGES TO BE MADE TO THE EXISTING SECTION 15.2(F) TEXT IN THIS ORDINANCE]

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G. *Special Area Plan (SAP).*

The purpose of a Special Area Plan is to allow parcels of at least two (2) Abutting acres in size to be master planned so as to allow greater integration of public improvements and *Infrastructure*, to enable connectivity; to encourage a variety of *Building Heights*, massing, and to provide high quality design elements and greater flexibility so as to result in higher or specialized quality building and *Streetscape* design within the Special Area Plan, to further the intent of this Code expressed in *Section 15.1.*

1. General.
   a. The single or multiple owner(s) of Abutting properties in excess of two (2) acres may apply for a rezoning to a Special Area Plan and shall be approved by the process of rezoning following review by the *Planning and Zoning Board* and *Village Commission* with the site plan approval process.
   b. All regulations of the underlying Transect Zone and this Code that are not otherwise addressed by the SAP shall apply.
   c. A Special Area Plan shall assign *Thoroughfares* (as appropriate), *Cross Block Pedestrian Passages*, and *Civic Spaces*, with appropriate transitions to Abutting areas. Guidelines for Thoroughfares and *Public Frontages* may be adjusted to the particular circumstances of the Special Area Plan.
   d. A Special Area Plan shall include a site plan, map of the proposed layout, circulation, view corridors, and the standards that deviate from the requirements of Chapter 15, *Section 15.3.*, and this Code.
   e. A Special Area Plan shall assign at least five percent (5%) of its aggregated *Lot Area* to a *Civic Space Type*. The developer shall be responsible for constructing any required public improvements within the Special Area Plan, including but not limited to the Civic Spaces and Thoroughfares.
   f. Development within the Special Area Plan shall be pursuant to a recorded development agreement that will establish the allocation of Civic Spaces, Thoroughfares, and *Building* area among the Building sites.
   g. Unless a Building is specifically approved as part of the Special Area Plan, any Building shall be reviewed by the *Planning & Zoning Official* for conformance with the Special Area Plan and this Code and referred to the *Village Manager* for final approval per the requirements of *Section 5.9.* prior to issuance of the *Building Permit.*

h. A parking management program that enables shared parking among public and private Uses.

i. Flexible allocation of development capacity and *Height*, excluding *Density* on individual sites within the Special Area Plan may be allowed so long as the capacity or Height distribution does not result in development that is out of *Scale* or character with the surrounding area, and provides for appropriate transitions.

2. Special Area Plan Permit. See *Section 5.2 – Development Permit Required*.

H. *Density and Intensity Calculations* [Reserved].

I. *Sustainability*.

All new and substantial redevelopment applications for residential, commercial, office, *Hotels*, and civic uses; all new mixed-use development applications; and all Village-owned civic or office construction projects located in the Transect Zones are subject to the green building and resilience standards and requirements contained in *Chapter 8, Division 5*; *Chapter 9, Division 6*; and *Chapter 10, Section 10.5* of the ULDC.

§ 15.3. Specific to Transect Zones – Kennedy Boulevard District (KBD).

~~*A. Kennedy Boulevard District (KBD).*~~

~~*B. General.*~~

~~*a*~~*A. Purpose and Intent.*

This Chapter sets forth the standards applicable to development within the Kennedy Boulevard District (KBD), which is composed of Urban Core Transect Zones (T6). These standards are intended to:

1. Support the goals of the *NBV 100 Master Plan*.
2. Transform Kennedy Causeway into a walkable, mixed-use boulevard that supports vibrant retail and a wide range of transportation modes.
3. Facilitate the short-term activation of Pirates Alley into a Village Center.
4. Lay the groundwork for the long-term incremental development of a great urban center and Main Street that supports diverse locally oriented businesses and cultural institutions.
5. Provide improved standards for a wider, more active, and more accessible *Island Walk*.
6. Attract development of underused and vacant lots in a manner that improves the public realm, increases access to the water and contributes to a robust economic base.
7. Facilitate economic development of Village-owned property to provide, emphasize, and maximize civic amenities that improve the overall livability of the community.

~~*b*~~*B. Applicability.*

8. ~~Section 15.3.A~~ *Section 15.3.* provides development regulations that shall be employed in

the mixed-use development of lands within the Kennedy Boulevard District (KBD).

9. The Kennedy Boulevard District (KBD) is composed of the following Urban Core Transect Zones (T6) as shown on the Form- Based Districts Regulating Plan in *Section 15.5.*
   a. T6-24, which includes all properties fronting the south side of Kennedy Causeway on Treasure Island.
   b. T6-24MU (Municipal Use), which includes those *Village* owned properties shown in the *Section 15*. Form Based Districts Regulating Plan on the north side of Kennedy Causeway on Harbor Island.
   c. T6-30, which includes all properties fronting the north side of Kennedy Causeway on Treasure Island.
10. Transect regulations pertaining to *Building Disposition* and *Building Configuration* shall be considered referential guidelines within the T6-24MU transect zone. The *Village Commission* may grant exemptions to these requirements during site plan approval based on the following criteria:
   a. The exemption is justified by the functional requirements connected to the uses proposed.
   b. Exemptions shall be reduced to the minimum required to achieve the required functionality.
   c. Exemptions in the aggregate shall be evaluated for compliance with the transect intent regarding intensity and scale.
   d. Exemptions shall be evaluated for compliance with Design Review Criteria in *Section 15.7.I.*
   e. Specific findings shall be made by the *Planning and Zoning Official* regarding the nature and extent of each proposed exemption, which shall be contained in the staff report for consideration by the *Planning and Zoning Board* and *Village Commission*.

~~2~~C. *Development Standards for T6 Transect Zones*

~~a~~1. Building Disposition.

~~(1)~~a. Newly platted Lots shall be dimensioned according to the tables and illustrations in *Section15.7.B.* and *Section 15.7.C.*

~~(2)~~b. Lot coverage by any *Building* shall not exceed that shown in *Section 15.7.B*. and *Section 15.7.C.*

~~(3)~~c. Buildings shall be disposed in relation to the boundaries of their Lots according to the tables and illustrations in Section 15.7.B. and Section 15.7.C.

~~(4)~~d. Buildings shall have their Primary pedestrian entrances on Kennedy Causeway. Buildings in the T6-30 Zone should also have entrances on the *View Corridor* and

Island Walk. Buildings in the T6-24 Zone should also have entrances on *Secondary Frontages* and Pirates Alley, if feasible. Buildings in the T6-24MU Zone should also have entrances on Secondary Frontages, where feasible.

~~(5)e~~. Up to the top of the *Pedestal*, *Facades* shall be built parallel to the *Primary Frontage Line* along a minimum of seventy percent (70%) of its length on the *Setback Line* as shown in the tables and illustrations in Section 15.7.B. and Section 15.7.C. *Pedestrian Forecourts* are allowed and shall not exceed 25% of the Facade length. In the absence of a Building along the remainder of a Frontage Line, a *Streetscreen* shall be built along the Setback Line and co-planar with the Facade to define the space of the *Thoroughfare* and to shield parking and service areas.

~~(6)~~f. At the first *Story*, Facades along a Frontage Line shall have frequent doors and windows; pedestrian entrances shall occur at a maximum spacing of seventy-five (75) feet. Vehicular entries shall occur at a minimum spacing of sixty (60) feet unless approved by *Waiver.*

~~(7)~~g. *Setbacks* for Buildings shall be as shown in the tables and illustration in Section 15.7.B. and Section 15.7.C. Where the property to be developed abuts an existing Building, a Waiver may be granted so as to match the dominant setback of the block and its context.

~~(8)~~h. Above the ~~fifth Story~~*Pedestal*, the minimum spacing between *Towers* is sixty (60) feet. ~~Above the fifth Story and a~~At the top of pedestal, a non-habitable floor is allowed up to a maximum of six (6) feet in *Height* without additional setback to accommodate depth of swimming pools, landscaping, transfer beams, and other structural and mechanical systems.

~~(9)~~i. All lots in T6-30 shall comply with minimum standards for the *View Corridor*, as described in ~~Section 15.3.A.2.g.(2).~~ *Section 15.3.C.7.b.*

~~(10)~~j. For sites with three hundred and forty (340) feet *Frontage* length or more, a *Cross-Block Passage* shall be provided as follows**:** If the *Frontage Line* of a site is at any point more than three hundred and forty (340) feet from a *Thoroughfare* intersection, the *Building* shall provide a Cross-Block Pedestrian Passage as a recorded public *Easement.* If the Frontage Line of a site is at any point six hundred and fifty (650) feet from a Thoroughfare intersection, a vehicular Cross-Block ~~p~~Passage shall be provided as a recorded public Easement. Such a Cross-Block Pedestrian Passage may be covered above the first *Story* by a maximum of fifty percent (50%) of its length with *Structures* connecting Buildings, such as a terrace, pedestrian bridge, or vehicular bridge. A *Pedestrian Passage*, including *Paseos*, ~~are~~ is encouraged to connect Kennedy Causeway to the Island Walk, other Thoroughfares, Pirates Alley, parks and other amenities. A Pedestrian Passage may be roofed and shall be lined with frequent doors and windows.

~~(11)~~k.Density shall not exceed that shown in the tables in *Section 15.7.B.* and *Section*

15.7.C.

~~(12)~~l.Sidewalks.

(1) Along Kennedy Causeway, a twenty (20) foot *Easement* for *Public Sidewalks* shall be granted and recorded with the *Village*. The Sidewalk shall be constructed and maintained by the property owner. The Sidewalk shall be continuous with the existing Sidewalk on the public *ROW* and shall be consistent/compatible with the Village-adopted sidewalk color scheme and/or design patterns, unless this requirement is otherwise waived by the Village.

(2) The Sidewalk, including portions on the public ROW and in the Easement, may be raised no more than one and a half (1.5) feet above the highest existing sidewalk elevation fronting the property. This work shall be completed at the expense of the property owner and to standards determined by the Village. ADA compliant transitions shall be provided to adjacent sidewalk elevations with a slope no greater than 1:20 to avoid handrails.

~~b~~2. Building Configuration.

~~(1)~~a. Development within *Private Frontages* shall comply with *Section 15.6.A.,* the tables and illustrations in *Section 15.7.B.* and *Section 15.7.C.*

~~(2)~~b. Above the ~~fifth Story~~ *Pedestal,* the *Building Floorplate* dimensions shall be limited as follows:

(~~a~~1) 15,000 square feet maximum for Residential Uses.

(~~b~~2) 30,000 square feet maximum for Commercial Uses and for Parking.

(~~c~~3) 180 feet maximum length for Residential Uses.

(~~d~~4) 215 feet maximum length for Commercial Uses.

(~~e~~5) Wherever possible, the facade with the longer length should be placed perpendicular to the Primary Frontage/Kennedy Causeway.

(~~3~~)c. *Building Heights* shall be measured from Base Flood Elevation (BFE) plus *Freeboard* to the level of the highest point of the *Building*, excluding allowable projections above the roof line, and shall conform to the tables and illustrations in Section 15.7.B. and Section 15.7.C. and to the following standards.

(~~a~~1) At the first Story:

~~i.~~(a) The Height shall be no less than twenty (20) feet measured from the *Base Flood Elevation (BFE)* plus *Freeboard* to the finished floor of the second Story.

~~ii.~~(b) Mezzanines in the first Story shall be limited to fifty percent (50%) of the habitable *Floor Area* and shall not count as a Story.

(~~b~~2) In a *Pedestal* (~~second to fifth~~ above the first Story~~ies~~):

~~i.~~(a) The *Height* of a Story, including a Liner Story, where provided, shall not

exceed twenty (20) feet measured from finished floor to finished floor.

~~ii.~~(b) The maximum height of the ~~p~~Pedestal ~~(first to fifth stories)~~ shall not exceed 100-feet.

~~iii.~~(c) Mezzanines shall be limited to fifty percent (50%) of the habitable Floor Area and shall not count as a Story.

~~iv.~~(d) The *Height* of a *Parking Structure* concealed by a Liner may be equal to the Height of the Liner, and this may result in a *Liner Story* concealing more than one level of Parking. The number of Liner Stories shall be used for the purpose~~s~~ of determining the overall number of Stories in a Building.

(~~c~~3) In a *Tower* (above the Pedestal):

~~i.~~(a) The Height of a Story is not limited ~~within~~ to the maximum permitted building height.

~~ii.~~(b) A Mezzanine shall count as a Story.

~~iii.~~(c) *Lots* in the T6-30 shall provide Stepbacks above the podium along Kennedy Causeway, and the east and west side yards in compliance with *Section 15.7.C*. The development is not required to provide a Stepback above the podium in the *Waterfront Yard* (See *Illustration 15.7.C.5.*)

(~~d~~4) A Mezzanine extending beyond the specified limit shall be counted as an additional Story for purposes of calculating Building Height.

~~(4)~~f. First Story Finished Floor Elevations.

(~~a~~1) For commercial uses fronting Kennedy Causeway, the finished floor elevation within first twenty (20) feet shall be flush with the existing sidewalk elevation or no higher than one-and-a-half (1.5) feet above the same.

(~~b~~2) For commercial uses fronting the *Island Walk*, the finished floor elevation within first twenty (20) feet shall be flush with the Island Walk or no higher than one-and-a-half (1.5) feet above the same.

(~~c~~3) For residential uses, the finished floor elevation shall be no lower than BFE plus *Freeboard*.

(~~d~~4) If the finished floor elevation is below the *BFE* plus Freeboard, certified flood-proofing shall be provided in accordance with *Florida Building Code*. Refer to *Section 10.5* – Provisions for flood hazard reduction.

(~~e~~5) On *Shopfronts*, a Bulkhead (or knee wall) of the maximum allowable *Height* is encouraged. See ~~Section 15.1.E.~~ *Section 15.2.E* for Shopfront standards.

(~~f~~6) If a ramp is required for ADA access, it shall be provided inside the *Setback Line*. It may be located either within the *Building* envelope or within a recessed exterior vestibule with Shopfront windows.

~~(5)~~g. Pedestals, Parking Structures and Liners.

(~~a~~1) The Pedestal shall consist of no more than five (5) Stories and shall be a maximum of 100-feet.

(~~b~~2) A Parking Structure shall not extend beyond the *Height* of the *Pedestal*. For *Building Heights* in a Pedestal, see ~~Section 15.3.A.2.b.(3).(b).iii.~~ *Section 15.3.C.2.c.(2)*

(~~c~~3) In T6-24, Liners are optional. *Structures* without liners on *Primary* and *Secondary Frontages* and facing Pirates Alley, shall use *Green or Vegetated Walls* on a minimum 20% of the garage structure. The remainder of the parking structures not utilizing *Liners* shall be fully concealed by architectural screening or artwork approved by the *Planning and Zoning Board* (see also *Ch. 9, Division 4 – Landscaping*).

(~~d~~4) In the T6-24MU, Liners are optional. *Structures* without liners on *Primary* and *Secondary Frontages* shall use *Green or Vegetated Walls* on a minimum 20% of the garage structure. The remainder of the parking structures not utilizing *Liners* shall be fully concealed by architectural screening or artwork approved by the *Planning and Zoning Board* (see also *Ch. 9, Division 4 – Landscaping*).

(~~e~~5) In T6-30, Liners are optional. Liners facing Kennedy Causeway may encroach into the *Setback* above a *Gallery*. Structures without liners on Primary and Secondary Frontages, including Kennedy Causeway and the Waterfront and facing the *View Corridor*, shall utilize green or vegetated walls on a minimum 20% of the parking structure. The remainder of the parking structure not utilizing Liners shall be fully concealed by architectural screening or artwork approved by the Planning and Zoning Board (see also Ch. 9, Division 4 – Landscaping).

~~(6)~~h. Encroachments shall be as follows:

(~~a~~1) In T6-24 and T6-24MU, a Gallery should be constructed on the Primary Frontage of Kennedy Causeway over the sidewalk *Easement.* Where a Gallery is constructed, it shall encroach the entire twenty (20) foot Setback and shall not extend into the *Right-of-Way*. Refer to the tables and illustrations in *Section 15.7.B.,* and to Architectural Standards ~~Section 15.3.A.2.e~~ *Section 15.3.C.5.* for additional details.

(~~b~~2) In T6-30, a *Gallery* or *Arcade* shall be constructed on the Primary Frontage of Kennedy Causeway over the sidewalk easement. The Gallery or Arcade shall encroach the entire twenty (20) foot Setback and shall not extend into the right-of-way. A Gallery or Arcade is not required in front of a *Pedestrian Forecourt*. Refer to the Frontage Type Table in *Section 15.6.A.* and to Architectural Standards ~~Section 15.3.A.2.e~~ *Section 15.3.C.5.* for additional details.

(~~c~~3)In T6-30, cantilevered *Awnings* and entry canopies may encroach up to seven (7) feet into the *Waterfront Setback*, up to but not extending into, the *Island Walk Easement*. Above the first *Story,* cantilevered balconies, bay windows, and roofs

may encroach up to seven (7) feet into the waterfront Setback, up to but not extending into, the Island Walk Easement.

(~~d~~4) All outdoor storage, electrical, plumbing, mechanical, and communications equipment and appurtenant enclosures shall not be allowed as *Encroachments*.

(~~e~~5) Loading spaces and service areas shall be internal to the *Building* and shall not be allowed as Encroachments.

~~(7)~~i. Vehicular Access shall be as follows:

(~~a~~1) Loading berths, service areas and parking shall be accessed from *Alleys* when available, and otherwise shall be accessed from the *Secondary Frontage* when available. Areas for drop-offs, pick-ups, and valet services shall be located along and accessed from Secondary Frontages, when available, or may be located along or accessed from Alleys, when available.

(~~b~~2) Where *Lots* have only *Primary Frontages*, all vehicular access, including, but not limited to, areas for drop-offs, pick-ups, and valet services and access to parking, loading berths, and service areas, are not allowed along the Primary Building Frontage facing Kennedy. Curb cuts and vehicular access are allowed through the *View Corridor* and the side Setback.

(~~c~~3) No more than 50% of the total area of the View Corridor may be used for vehicular movement.

(~~e~~5) A vehicle accessing a *Loading Berth* is allowed to make one (1) turning movement on an adjacent *Thoroughfare* to minimize the lot area devoted to this function.

~~(8)~~j. *Walls*, hedges, *Fences*, and gates shall not exceed a *Height* of three and a half (3.5) feet within the setbacks of the Primary and Secondary Frontages and within the View Corridors. Elsewhere, walls, hedges, fences, and gates shall not exceed a Height of eight (8) feet.

~~(9)~~k. *Streetscreens* shall be between three and a half (3.5) and eight (8) feet in Height and constructed of a material matching the adjacent *Building Façade* or of masonry, wrought iron or aluminum. The Streetscreen may be replaced by a hedge. Streetscreens shall have openings no larger than necessary to allow automobile and pedestrian access. Streetscreens shall be located coplanar with the Building Facade Line. Above three (3) feet in *Height*, Streetscreens shall be fifty percent (50%) permeable or articulated to avoid blank walls.

~~(10)~~l. Screening shall be as follows:

(~~a~~1) All loading spaces, service areas, outdoor storage, electrical, plumbing, mechanical, and communications equipment and appurtenant enclosures shall be concealed from view from any Frontage, Sidewalk or *View Corridor* by *Liner Buildings*, Streetscreens, walls, hedges, fences, or opaque gates.

(~~b~~2) All ground floor and roof top utility infrastructure and mechanical equipment shall be concealed from public view. At the Building Frontage, all equipment such as backflow preventers, ~~s~~Siamese connections, and the like shall be placed within the line of the Facade or behind a Streetscreen~~s~~. Exhaust air fans and louvers may be allowed on the Facade only on the Secondary Frontages above the first Story.

(~~c~~3) On the roof, a parapet or screen wall shall conceal roof decks and all equipment except antennas from lateral view. Mechanical equipment on a roof shall be enclosed by parapets of the minimum Height necessary to conceal it and shall not exceed the maximum Height by more than ten (10) feet. Trellises may extend above the maximum Height up to fourteen (14) feet. Extensions more than ten (10) feet above the maximum Height for stair, elevator and mechanical enclosures or ornamental purposes only, shall be permitted by process of *Waiver.*

~~c~~3. Building Function and Parking Requirements.

~~(1)~~a. Buildings in T6-24, T6-24MU (Municipal Use) and T6-30 shall conform to the Functions and Parking Requirements Table described in *Section 15.7.A.* Certain Functions as shown in said Table shall require approval by Exception. Refer to *Section 8.16* – Supplemental Use Regulations, *Section 8.17* – Supplemental Development Standards.

~~(2)~~b. First Story Uses.

(~~a~~1) A minimum of seventy-five percent (75%) of the linear Building Frontages along Kennedy Causeway, the *Island Walk*, Pirates Alley, and any side streets shall be *Habitable Space* to a minimum depth of twenty (20) feet.

(~~b~~2) A minimum of fifty percent (50%) of the linear Building Frontage along a *View Corridor* shall be Habitable Space to a minimum depth of twenty (20) feet.

(~~c~~3) In T6-24 and T6-30, the Habitable Space required along Kennedy Causeway that is not otherwise occupied by the *Primary Entrance* shall contain *Commercial Uses* and no *Residential Uses*. Retail Use, especially *Restaurants,* is encouraged on all Frontages, including Kennedy, the Island Walk, and the View Corridor. Live-work units and Townhouses are the only Residential Use allowed in the First *Story*, apart from *Building* entrances.

(~~d~~4) Design for Tenant Flexibility.

~~i.~~(a) The design of commercial spaces should anticipate restaurant requirements. Accommodation for restaurant venting and sewage utilities such as grease traps and interceptors should be designed into the Building.

~~ii.~~(b) Designs shall anticipate potential commercial power and gas load needs.

~~iii.~~(c) Buildings should provide generous clear space between interior columns for ground floor retail and activity spaces.

~~d~~4. Parking and Loading Berth Standards.

~~(1)~~a. Refer to *Section 9.3.E.* Design Standards for Off-Street Parking and *Section 9.3.G.* Mechanical Parking.

~~(2)~~b. Shared Parking shall be allowed in compliance with *Section 15.6.C.* Shared Parking Standards Table.

~~(3)~~c. Loading Berths shall be provided in compliance with *Section 15.6.D.* Loading Berth Standard Table.

~~(4)~~d. Off-street Bicycle Parking Standards.

(~~a~~1) The required number of Off-street bicycle parking spaces shall conform with *Section 15.7.A.* Building Function (Uses) and Parking Standards *Table – T6*.

(~~b~~2) After the first fifty (50) required bicycle spaces are provided, additional spaces may be reduced by one-half.

(~~c~~3) Required bicycle parking shall meet the following standards:

~~i.~~(a) Required bicycle parking shall be provided in a safe, accessible, and convenient location.

~~ii.~~(b) Bicycle parking facilities shared by more than one use are encouraged.

~~iii.~~(c) Required bicycle parking facilities may be located within the project site or in a shared bicycle parking facility located within 300 feet of the *Primary Entrance.*

~~iv.~~(d) When required off-street vehicular parking is covered, the required bicycle parking shall also be covered.

~~v.~~(e) When required bicycle parking is provided in racks, one (1) standard U-rack will accommodate two (2) bikes and each rack shall meet the following standards:

(i) The bicycle frame and one (1) wheel can be locked to the rack with a high security, U-shaped shackle lock if both wheels are left on the bicycle;

(ii) A bicycle six (6) feet long can be securely held with its frame supported so that the bicycle cannot be pushed or fall in a manner that will damage the wheels or components; and

(iii) The rack shall be securely anchored.

~~vi.~~(f) When required bicycle parking is provided in lockers, the lockers shall be securely anchored.

~~vii.~~(g) Parking and maneuvering areas.

(i) Each required bicycle parking space shall be accessible without moving another bicycle;

(ii) There shall be an aisle of at least five (5) feet wide behind all required bicycle parking to allow room for bicycle maneuvering;

(ii) The area devoted to bicycle parking shall be hard surfaced.

~~viii.~~(h) A directional sign shall be required if the bicycle parking area is not visible from the *Thoroughfare* or *Primary Entrance*. Said sign shall be at minimum of one (1) square foot in area and be posted at the Primary Entrance indicating the location of the bicycle parking.

~~e~~5. Architectural Standards.

~~(1)~~a. Permanent and Temporary Structures

(~~a~~1) Only permanent structures shall be allowed, unless specified otherwise in this Code.

(~~b~~2) Temporary *Structures* such as mobile homes, construction trailers, travel trailers, recreational vehicles and other temporary structures shall not be allowed except as per the *Code of Ordinances* and this Code, with the following exceptions by *Warrant.*

~~i.~~(a) Island Walk: Temporary Structures such as kiosks, stands, and tents may be allowed within the *Island Walk* easement and the *Waterfront Setback*.

~~ii.~~(b) Pirates Alley: Temporary Structures such as shipping containers, food trucks, kiosks, stands, and tents may be allowed.

~~iii.~~(c)Other locations within the T6-24 and T6-30 Zoning Districts: Temporary structures such as food trucks, kiosks, shipping containers adapted for retail or service uses, portable bathroom facilities, stands, pop-up shops, temporary sales centers and the like. Food trucks and other types of mobile food establishments shall comply with all state, county and applicable local licensing, permitting, and food and worker safety requirements.

~~iv.~~(d) Kiosks and stands shall be limited to temporary covered structures no greater than 300 square feet and shall have one or more open sides.

~~v.~~(e) All temporary structures are subject to the applicable dimensional standards and other relevant requirements of the ULDC and to the applicable provisions of the Florida Building Code. Any contravention of these standards or of specific conditions of the warrant approving the temporary structure may be grounds for revocation of the approval.

~~vi.~~(f) Temporary structures may be approved for a maximum of six (6) months, renewable administratively up to two (2) additional times in maximum

periods of six months each time for a maximum of eighteen (18) months. Notwithstanding the foregoing, temporary sales centers may be approved for a period of up to twelve (12) months, renewable administratively up to two (2) additional time twelve (12) month periods for a maximum of thirty-six (36) months.

~~vii.~~(g) Staff shall provide courtesy notification to the Village Commission of temporary structures and activation projects administratively approved in accordance with this subsection.

~~(2)~~b. Private Frontages and Facades.

(~~a~~1)The *Sidewalk-Level Facades* of all *Buildings* shall be glazed with no less than seventy percent (70%) clear glass as measured between the finished floor and ceiling including the glass area of the front door.

(~~b~~2)The *Facades* of all *Sidewalk-Level Commercial Spaces* shall be detailed as Shopfronts. Shopfronts shall conform to *Section 15.2.E.* Shopfront Standards. Lobbies, ~~c~~Civic and ~~c~~Civic-~~s~~Support uses, live-work units, and townhouses are not required to be detailed as *Shopfronts.*

(3c) Outdoor Commercial Uses.

~~i.~~(a)Temporary exterior commercial uses and displays along the shopfront's adjacent sidewalks are encouraged and allowed by Warrant. All temporary displays shall maintain a minimum clear pedestrian walkway of five (5) feet.

~~ii.~~(b)For outdoor dining areas on sidewalks that are in the public *Right-of- Way*, see *Section 8.17.H.* Outdoor dining and sidewalk cafes in Supplemental Development Standards.

~~iii.~~(c)Outdoor dining areas on sidewalk easements and the Island Walk easement are encouraged and allowed by Warrant, subject to the following standards:

(i) Outdoor dining areas may be separated from public walkways and streets using railings, wrought-iron fences, planters, and landscaping; and

(ii) A minimum unobstructed pedestrian path of at least five (5) feet wide, clear of all outdoor furniture and landscaping, shall be provided at all times.

~~(4~~d) Galleries and Arcades.

~~i.~~(a) For the Gallery Frontage Type, see *Section 15.6.A.g.* Frontage Type Table.

~~ii.~~(b) For the Arcade Frontage Type, see *Section 15.6.A.h.* Frontage Type Table.

~~iii.~~(c) See also *Section 15.7.D.* Section Detail Illustration – T6.

~~iv.~~(d) The *Height* shall be the same as the Height of the first *Story.*

~~v.~~(e) The columns shall be located two (2) feet from the *Property Line.*

~~vi.~~(f) Columns shall be spaced approximately twenty (20) feet on center and no less than eighteen (18) feet on center.

~~vii.~~(g)A cornice or roof extension shall project one (1) foot minimum and two (2) feet maximum from the outer face of the *Gallery* or *Arcade* and shall not overhang the *ROW.*

~~viii.~~(h)Gallery details.

(i) Galleries shall be made of metal.

(ii) Columns shall be round with a maximum diameter of ten (10) inches.

(iii) The ceiling decking that is visible ~~form~~from the *Sidewalk* shall be wood or a wood-like material.

(iv). A roof deck on top of the Gallery at the second Story is allowed. Decking for the roof deck shall be made of wood or a wood-like material. Railings shall be made of metal.

~~ix~~(i).Arcade details.

(i) Arcades shall be made of materials that complement the architecture of the *Building.*

(ii) Columns shall be no more than four (4) feet wide and two and a half (2.5) feet deep.

~~f~~6. Sign Standards. See *Section 15.2.F.*

~~g~~7. Landscape and Waterfront Design Standards.

(~~1~~a) Landscape Standards.

(~~a~~1) *Open Space* shall be ten percent (10%) of the total lot area.

(~~b~~2) Where a Gallery or Arcade is not provided, street trees shall be planted. The trees shall be planted two (2) feet inside the Property Line, aligned with the Gallery or Arcade columns. Tree wells may encroach into public right-of-way. The spacing shall be similar to the Gallery or Arcade columns, between twenty (20) and twenty-five (25) feet on center. If sufficient planting space is not available for trees and large palms, soil cells shall be required. The species shall be native or *Florida-Friendly*. See *Chapter 9 Division 4,* Landscaping.

(~~2~~b) Island Walk.

(~~a~~1) *Purpose and Intent.* The Island Walk is a public access, mixed-use *Pedestrian Promenade* along the waterfront that shall feel public, provide visual access to the *Bay*, enhance visual quality, connect to other public areas, and provide venues for public art, historic *Signage*, and environmental education signage.

Where practical, retail, *Restaurants* with *Outdoor Dining*, boating, and fishing activities should be incorporated into waterfront designs. Boat access from the water to the land is encouraged.

(~~a~~1) General requirements.

~~i.~~(a) Every waterfront property shall provide an eighteen (18) foot wide *Island Walk Easement* within the twenty-five (25) foot waterfront *Setback.*

~~ii.~~(b) The location of the *Easement* shall be indicated on the site plan for the site plan approval process and recorded with the *Village.*

~~iii.~~(c) The Island Walk shall be open to the public and accessible for use, from 6 AM until midnight ~~PM~~ every day, except where an abutting establishment closes later, the closing time shall extend commensurate with the commercial establishment's closing hours, or as may be determined in a Development Agreement approved by the Village Commission pursuant to Sec. 8.15 of the ULDC.

~~iv.~~(d) Restaurants with outdoor dining, retail, kiosks for food and retail sales are all allowed and encouraged.

~~v.~~(e) Access to docks for boats or overwater seating is allowed and encouraged.

~~vi.~~(f) Railings, *Walls*, *Fences* are not allowed between the circulation zone and the water.

~~vii.~~(g) The surface shall be six (6) to eight (8) inches below the *Sea Wall Cap*.

(~~c~~3) Design Standards for the Island Walk. The Design Criteria applicable to the Island Walk are established in *Sec. 8.17.O.* of the ULDC. The provisions of this subsection shall supersede those of Sec. 8.17.O in case of conflict, when addressing the requirements applicable to properties located in the T6 zone.

The easement shall consist of three zones, which are listed below in order from the landward edge of the sea wall cap and progressing landward towards the private property. See *Sections 15.7.B.*and 15.7.C Section Detail Illustrations – T6.

~~i.~~(a) Safety zone. A minimum three (3) foot wide area adjacent to the sea wall that shall be paved and/or landscaped.

(i) Whereas railings, walls and/or other barriers are not desirable along the water's edge, waterfront users should be warned when coming close to the water with a minimum three (3) foot wide safety zone consisting of a rough textured surface that discourages walking.

(ii) Paving within the safety zone shall be a type of cobble stone with "river rock," approximately ¾ to 1 ½ inches in diameter, set in concrete leaving a relief of ¼ to ½ inches or similar aggregate pavers with ADA domes.

(iii) Planting beds shall be a minimum of three (3) feet wide with palm trees planted at grade providing shade to pedestrians. Trees shall be evenly spaced at approximately twenty (20) to twenty- five (25) feet on center. Soil cells shall be required to allow for sufficient root space for these trees and palms. Low level plantings may be provided at the base of the trees or palms, not to exceed two (2) feet in *Height*. Landscape lighting may be provided to accentuate trees or palms in this area.

(iv) In areas between the planting beds, a minimum three (3) foot wide uniform exposed aggregate finish such as a river rock textured surface shall be provided to warn pedestrians of the water's edge meeting Americans with Disabilities Standards.

(v) Bollard lighting within the textured surface adjacent to the circulation zone shall be installed to provide pedestrian/pathway lighting. Bollards shall be evenly spaced at the same spacing as trees, when present, or approximately twenty (20) to twenty-five (25) feet on center.

(~~d~~b) Circulation zone. A twelve (12) foot wide minimum unobstructed, linear pedestrian walkway. The maximum width is nineteen (19) feet.

(i) ~~–~~The circulation zone will typically be located immediately adjacent to the riparian right-of-way. However, it may meander within the twenty-five (25) foot shoreline setback.

(ii) ~~–~~Offsets in the alignment of the walkway shall not exceed seven (7) feet and be spaced not less than fifty (50) feet apart.

(iii) ~~-~~The circulation zone shall align with previously completed portions of the *Island Walk* on adjacent parcels.

(iv) ~~-~~The passive zone shall follow the path of the circulation zone.

(v) ~~-~~ The safety zone shall follow the edge of the sea wall.

(vi) ~~-~~Obstructions to movement (trees, bollards, lighting, etc.) within the circulation zone shall not reduce the clear width of the walkway to less than fifteen (15) feet at any point.

(vii) ~~-~~The circulation zone shall be constructed of non-slip paving materials with high aesthetic appearance and structural qualities to support emergency vehicle access.

(viii) ~~-~~The circulation zone shall feature a distinctive paving pattern throughout the length of the *Island Walk*. The pattern shall be approved by the *Village Commission.*

(iv) ~~-~~The promenade surface shall be at a constant elevation and shall be accessible to handicapped persons throughout the entire length of the waterfront. Where slopes are required to harmonize with existing

conditions, the slope shall be less than 1:20, if possible, so as to avoid handrails.

(~~e~~c) Passive zone. A minimum three (3) foot wide area located along the inland side of the circulation zone, interspersed with shade trees, low level plantings, site furniture, lighting, accessories, and concessions.

(i) ~~-~~Short lengths of the passive zone not to exceed ten (10) feet may be elevated eighteen (18) to twenty-four (24) inches above the level of the promenade for plantings, seating, and enhanced *Bay* views.

(ii) ~~-~~ All benches shall have back rests, and their placement shall emphasize direct views of the water.

(iii) ~~-~~ Site furniture may include overhead canopies, concessions, etc. and shall be confined to this zone. All furniture shall be permanently installed preferably by direct burial in concrete.

(iv) ~~-~~Accessories include benches, trash receptacles, drinking fountains, pedestrian scale light poles and landscape lighting. Appropriate additional furniture including overhead canopies or shelters, drinking fountains, etc., shall be confined to the passive zone.

(v) ~~-~~The passive zone may be paved in plain concrete or the paver on the main circulation zone.

(vi) ~~-~~Where the transition zone has active uses, connections shall be provided between the transition zone and the circulation zone.

(~~f~~d) Transition zone. A maximum seven (7) foot wide zone that is the balance of the waterfront setback that is not part of the *Island Walk Easement*. Typically, it is located on the landward side of the easement fronting the *Building*, but it may be located between the easement and the water to accommodate active uses such as outdoor seating. A property owner may opt for no transition zone, in which case the width of the Island Walk easement equals the waterfront setback.

(i) ~~-~~Active uses are allowed and encouraged, including restaurants, outdoor seating, retail *Shopfronts,* and kiosks/stands for food and retail sales and rental of recreational equipment.

(ii) ~~-~~ Where the Building features active uses, these shall be connected to the Island Walk. They shall not be screened visually.

(iii) ~~-~~The entire transition zone may be paved. The paving should be flush with the Island Walk, pervious, and feature a pattern distinct from the circulation zone.

(iv) ~~-~~ If landscaped, the grade may be flush with the Island walk or elevated up to twenty-four (24) inches.

(v)~~.~~ Security to limit public access to private property may be provided by *Fences*, grade changes or retaining *Walls*. All screens and walls shall be landscaped to reduce their visual impact on the walkway.

(vi)~~.~~ For adjacent developments that serve the public (i.e., *Restaurants*, shops, *Hotels*, entertainment, etc.) provision of wide, visible, and easy pedestrian access to the waterfront shall be assured.

(vii)~~.~~ In general, landscaping and security barriers shall not visually screen the waterfront from adjacent active uses, such as retail restaurants, or entertainment.

(~~g~~e) Exceptions.

~~i.~~ Where existing obstructions, such as swimming pools or buildings, obstruct the path of the Island Walk, it may be constructed over the water with permission of the *Planning and Zoning Board*. The overwater version shall follow the same dimensions and include the same zones as described in the Design Standards for the Island Walk.

(~~h~~f) Standards and Guidelines for Design Elements.

(i)~~.~~ Landscaping.

~~(i)~~1. Plant material shall be salt-tolerant and primarily native or Florida-Friendly.

~~(ii)~~2. Royal Palms shall be planted along the Safety Zone spaced approximately twenty (20) to twenty-five (25) feet on center utilizing soil cells to promote sustainable planting.

~~(iii)~~3. Shade trees shall be planted within the passive and transition zones spaced approximately twenty (20) to twenty-five (25) feet on center utilizing soil cells to promote sustainable planting.

~~(iv)~~4. Low-level plantings, including shrubs, low shrubs, and groundcovers, should be planted at the base of trees and palms to enhance Island Walk aesthetics and to help buffer the walkway perimeters.

~~(v)~~5.Raised planters, if used, shall be confined to the passive zone, and all planter walls shall double as sitting walls, eighteen (18) to twenty-four (24) inches in height.

(ii)~~.~~.Lighting.

~~(i)~~1. Lighting at the water's edge shall be confined to eight (8) inch diameter bollards, which shall be twenty-four (24) to thirty (30) inches high and spaced approximately twenty (20) to twenty-five (25) feet on center.

~~(ii)~~2. Bollards shall be illuminated with one hundred (100) watt LED lamps with down illumination not extending beyond the sea wall line.

~~(iii)~~3. Overhead lighting shall be confined to the passive zone and consist of down lighting with lamps not over fourteen (14) feet high, 175-watt LED, and spaced approximately forty (40) to fifty (50) feet on center.

~~(iv)~~4. Uplighting of landscaping shall not be allowed unless the light source is not visible to adjacent residential units.

~~(v)~~5. The color temperature of lamps shall be no more than 2,700K.

~~(vi)~~6. Colored lighting, except for private signs, shall not be used.

~~(vii)~~7. Simple contemporary fixture design shall be used as opposed to highly stylized, vintage or period designs.

(iii)~~.~~ Signage.

~~(i)~~1. All public access waterfront walks shall be marked with a standard Island Walk identification sign, to be specified by the Village.

~~(ii)~~2. All major public access points, including park walkways, roadways, dedicated midblock walks and public plazas, shall be marked with a standard Island Walk identification sign, to be specified by the Village.

~~(iii)~~3. Adjacent accessible publicly oriented private development, such as cafes or shops, shall identify the use with signage in the transition zone. See Shopfront standards in Section 15.5.E and Signage standards in Section 15.~~1~~2.F.

~~(iv)~~4. Uniformly designed historic or environmental markers and descriptive plaques shall be placed in the passive zone.

~~(v)~~5. Signage shall identify access points and adjacent activities (cafes, shops, etc.) for boaters.

(~~3~~c) View Corridors.

(~~a~~1) Purpose and intent. The purpose of a View Corridor is to provide visual access to the public from Kennedy Causeway to the water. In addition, it should provide public access to and from the Island Walk in an appealing, Woonerf-type shared space that prioritizes the pedestrian experience over vehicles. The View Corridor may serve as the primary pick-up, drop-off and valet zone, and it may provide access to parking, loading and service areas that are screened from view.

(~~a~~1) The width of the View Corridor shall equal twenty percent (20%) of the lot width. In T6-30, the View Corridor shall be located on the west side of the lot.

(~~b~~2) The entire View Corridor shall be open space, of which fifty percent (50%) may be landscaped. All non-landscaped areas shall be paved with pervious pavers.

(~~c~~3) The grade shall not rise more than two (2) feet above the Island Walk.

(~~d~~4) Landscaping shall be flush with the pavement except that twenty-five percent (25%) of the landscaped area may be in raised planters. The planters shall not be higher than eighteen (18) inches above grade and shall be designed to accommodate seating.

(~~e~~5) To preserve views and foster safety, there shall be minimal vegetation and

foliage between three (3) and eight (8) feet above the grade of the Island Walk. This restriction shall not be construed to limit tree trunks and palms.

(f6) Curbs, if present, shall be flush.

(g7) Vehicular traffic is allowed on no more than fifty percent (50%) of the area. Parking is not allowed. Standing vehicles shall not exceed twenty (20) minutes. Turning movements associated with access to loading docks are allowed.

(h8) Vehicular traffic shall be controlled with paving patterns, bollards, flush curbs, and low planters. Where bollards are used, the minimum number should be deployed to control vehicular movements.

(i9) The ground floor of the Building facing the view corridor shall contain habitable spaces that are at least twenty (20) feet deep and shall conform to the Architectural Standards in Section 15.3.e.

(4d) Island Walk Public Access Walkways.

(a1) All waterfront properties in the KBD shall provide and maintain a 5-foot (min.) wide public access connection walkway between the Island Walk and Kennedy Causeway.

(b2) The Island Walk Access shall be located within the View Corridor. Additional Paseos or breezeways are encouraged.

(c3) The path shall be ADA compliant and not contain any steps.

(d4) The Island Walk Access shall not be separated or distinguished from the View Corridor.

(e5) The Island Walk Access shall be open to the public during the hours that the Island Walk is open.

(f6) The easement shall be indicated on the site plan for the site plan approval process and recorded with the Village.

(5e) Waterfront Sites. For additional standards, see Chapter 9 Division 5, Design Standards for Coastal Sites.

h8. Ambient Standards.

(1a) Noise regulations shall be as established in the Village Code of Ordinances.

(2b) Average lighting levels measured at the Building Frontage shall not exceed twenty foot-candles (20 fc).

(3c) Lighting of Building and contingent Open Spaces shall be compatible with street lighting of Abutting public spaces. Interior garage lighting fixtures shall not be visible from streets, view corridors or the water.

(4d) The lighting fixtures of exposed rooftop parking shall be concealed by a parapet wall and shall not be seen from surrounding streets.

i9. Tables and Illustrations Specific to Zones.

(1a) For T6-24 and T6-24MU (Municipal Use), refer to *Section 15.7.B.*

(2b) For T6-30, refer to *Section 15.7.C.*

(3c) For T6 Section Detail, refer to *Section 15.7.D.*

(4d) For design review criteria table, refer to *Section 15.7.I.*

§ 15.4. Definitions.

This ~~s~~Section provides definitions for terms in Chapter 15, Form-Based Code that are technical in nature or that might not otherwise reflect a common usage of the word. Refer to *Chapter 3* for definitions of terms that are pertinent to other ~~c~~Chapters of this Code. If a term is not defined in this section or Chapter 3, the *Village Manager* or ~~his/her~~ designee shall determine the definition of the term. If there is a conflict between Chapter 3 and this ~~s~~Section, this section shall take precedence.

A. *Definitions of Building Function (Uses)*.

See tables in *Section 15.7.A*. ~~and Section 15.7.G~~ for Building Function (Uses) and Parking Requirement.

1. Residential.

This category is intended to encompass land use functions predominantly of permanent housing.

Single-Family Residence. Detached *Building* used as permanent residence by a single housekeeping unit. The term is general, applying to all detached house types. Also known as *Primary Dwelling Unit.*

Community Residence. A "resident", for the purpose of a *Community Residence*, may include any persons as defined in the following statutes.

(1) A disabled adult or frail elder as defined in *Section 429.65 (8)* and *(9)*, Florida Statutes.

(2) A physically disabled or handicapped person as defined in *Section 760.22(7),* Florida Statutes.

(3) A developmentally disabled person as defined in *Section 393.063(12),* Florida Statutes.

(4) A child as defined in *Section 39.01(12),* Florida Statutes.

(5) A *Dwelling Unit* of six or fewer residents that meet the definition in *Section 419.001*, Florida Statutes for a "community residential home" of such size; or

(6) A Dwelling Unit licensed to serve clients of the *State Department of Children and Families*, which provides a living environment for seven to fourteen unrelated residents who operate as the functional equivalent of family, including such supervision and care by supportive staff as may be necessary to meet the physical, emotional, and social needs of the residents, as defined in *Section 419.001*, Florida Statutes; or

(7) An adult family-care home as defined in *Section 429.65*, Florida Statutes, which provides a full-time, family-type living arrangement, in a private home, under which a person who owns or rents the home provides room, board, and personal care on a 24-hour basis, for no more than five disabled adults or frail elders who are not relatives.

Accessory Dwelling Unit (ADU). A Dwelling Unit sharing ownership and utility connections with a *Primary Building* and contained on the same *Lot.* An Accessory Dwelling Unit may be attached by ~~a Backbuilding~~ or detached from the Primary Building, and the unit shall not count towards maximum *Density* calculations. Also known as an Accessory Unit, Ancillary Unit or Ancillary Dwelling Unit.

Two Family-Housing. Two (2) Dwelling Units sharing a detached *Building*, each Dwelling Unit of which provides a residence for a single housekeeping unit. Also known as a duplex.

Multi-Family Housing. A Building or portion thereof, containing three or more Dwelling Units where each unit has direct access to the outside or to a common hall. A multifamily *Structure* where Dwelling Units are available for lease or rent for less than one month shall be considered *Lodging.*

Dormitory. A Building used primarily for sleeping accommodations for students or staff related to an educational institution or place of employment.

Home Office. A space within a Dwelling Unit devoted to a non-retail business activity belonging to the resident thereof that is clearly secondary in *Use* to the residence, that does not alter the exterior of the property or affect the residential character of the *Neighborhood*, and that meets all legal requirements of the business.

Live-Work. A Dwelling Unit that contains a commercial or office component which is limited to a maximum fifty percent (50%) of the Dwelling Unit area.

Rowhouse. A *Rear-Yard Building* type. A *Single-Family Dwelling* with common *Walls* on the side *Lot Lines*, the facades forming a continuous frontage line. Rowhouses are the highest density type able to provide private yards. Syn. Townhouse, Terrace House.

Townhouse. See Rowhouse.

2. Lodging.

This category is intended to encompass *Land Use* functions predominantly of sleeping accommodations occupied on a rental basis for limited periods of time. These are measured in terms of lodging units: a lodging unit is a furnished room of a minimum two hundred (200) square feet that includes sanitary facilities, and that may include a *Kitchenette.*

Bed & Breakfast. A group of lodging units not to exceed ten (10) units that may provide services for dining, meeting, and recreation.

Hotel. A group of lodging units exceeding twenty-five (25) units that may provide services for dining, meeting, and recreation.

Inn. A group of lodging units not to exceed twenty-five (25) units that may provide services for dining, meeting, and recreation.

3. Office.

This category is intended to encompass land Use functions predominantly related to business, professions, service, or government.

Office. A *Building* or portion thereof used for conducting a business, profession, service, or government. Such facilities may include, but are not limited to, offices of attorneys, engineers, architects, physicians, dentists, accountants, financial institutions, real estate companies, insurance companies, financial planners, or corporate offices, and exclude manufacturing activities.

4. Commercial.

This category is intended to encompass land Use functions of retail, service, entertainment, or recreational establishments and supporting office.

Alcohol Service Establishment. A place of business selling *Alcoholic Beverages* for consumption on the premises, and where the sale of food may be incidental to the sale of such beverages. This includes any establishment in receipt of a valid alcoholic beverage license from the state which permits the sale for consumption on the premises of alcoholic beverages as a Use. Alcohol beverage service establishments may include, but are not limited to bars, taverns, cocktail lounges, nightclubs, or supper clubs.

Auto-Related Commercial Establishment. A place of business serving auto-related needs including, but not limited to car rental, car wash, gas station, mechanic offering minor repairs, retail sales such as auto parts, tire store, indoor car sales. Uses not included: major mechanical work; body work; painting; steam cleaning; welding; outdoor car sales; storage of automobiles not in operating condition; commercial parking Lot or commercial garage; or any work involving undue noise, glare, fumes, or smoke, all of which are considered auto-related industrial activities.

Entertainment Establishment. A place of business serving the amusement and recreational needs of the community. Such facilities may include, but not limited to cinemas, billiard parlors, teen clubs, dance halls, or video arcades. Uses not included: *Entertainment Establishment, Adult.*

Entertainment Establishment, Adult. A place of business that sells, rents, leases, trades, barters, operates on commission or fee, purveys, displays, or offers only to or for adults products, goods of any nature, images, reproductions, activities, opportunities for experiences or encounters, moving or still pictures, entertainment, or amusement distinguished by purpose and emphasis on matters depicting, describing, or relating by any means of communication from one (1) person to another to "specified sexual activities" or "specified anatomical areas" as herein defined. An adult entertainment or adult service establishment is not open to the public generally but only to one (1) or more classes of the public, excluding any person under eighteen (18) years of age. It is the intent of this definition that determination as to whether or not a specific establishment or activity falls within the context of regulation in this Code shall be based upon the activity therein conducted or proposed to be conducted as set out above and, in these regulations, shall not depend upon the name or title of the establishment used or proposed. Thus, the terms "adult bookstore," "adult massage parlor," "adult motion picture theater," "adult private dancing," and "adult escort service" are encompassed within this definition of "adult

entertainment or services," but the term "adult entertainment or adult services" is not to be deemed limited by the enunciation of specific activities listed before.

Food Service Establishment. A place of business dedicated to the preparation and sale of food and beverage for immediate consumption on or off site.

General Commercial. A place of business providing the sale and display of goods or sale of services directly to the consumer, with goods available for immediate purchase and removal from the premises by the purchaser. General commercial goods include, butare not limited to, clothing, food, furniture, pharmaceuticals, books, art objects and the like. General commercial services include, but are not limited to, barber shops; beauty salons; travel agencies; fortune tellers; retail dry cleaning; express delivery service; health spas and fitness studios; photo studios; Funeral Homes; Animal Clinics; repair service establishments, Employment Office; and the like. General Commercial services exclude: Auto-Related or Marine-Related Establishments; Commercial Storage Facilities, Pawn Shops, and the like.

Marine-Related Commercial Establishment. A place of business serving marine-related needs including but not limited to boat repairs, boat storage, boat servicing, boat rentals; or a place of business provides marine-related retail including but not limited to bait and tackle stores, boat sales, and marine supplies stores. Uses not included are; all industrial vessel paint and body work; and industrial major engine work or overhaul, all of which are considered marine-related industrial activities.

Open Air Retail. A retail sales establishment operated substantially in the open air including, but not limited to farmers market, Flea Markets, and the like. Uses not included are car sales, equipment sales, boats sales, and home and garden supplies and equipment.

Place of Assembly (POA). A commercial facility for public assembly including, but not limited to arenas, auditoriums, conference facilities, convention centers, exhibition halls, major sports facilities, theaters and performing arts centers, and the like.

Recreational Establishment. A place of business providing group leisure activities, often requiring equipment and open to the public with or without entry or activity fees. This may include, but is not limited to game courts, skating rinks, bowling alleys, commercial golf facility, gyms *Inn. A* group of lodging units not to exceed twenty-five (25) units that may provide services for dining, meeting, or sports rooms.

Self-Storage Facility. A *Building* or portion thereof segregated into storage cubicles used exclusively for the dead storage of excess property. Such term shall not include the conduct of business activities other than rental of storage units on the premises nor allow outside storage of property.

5. Civic.

This category is intended to encompass land Use functions predominantly of community-oriented purposes or objectives including those of not-for-profit organizations dedicated to arts and culture, education, recreation, religion, government, and the like.

Community Facility. A non-commercial facility established primarily for the benefit and service of the general public of the community in which it is located. Such facilities include but are not limited to community centers; North Bay Village offices; and cultural facilities, such as libraries and museums.

Recreational Facility. A non-commercial facility, primarily an open space, serving the recreation needs of the general public. This may include but is not limited to golf courses, parks, camping facilities, playfields, and playgrounds.

Regional Activity Complex. A large facility encompassing at least one *Principal Building* with possible *Accessory Structures* designed and outfitted as a venue for large assemblies, performances, or events intended to serve as a regional destination. *Regional Activity Complexes* shall be located in parcels larger than four (4) acres; shall be equipped to provide permanents seating for more than 4,000 patrons or providemore than 100,000 square feet of exhibition space, and shall provide *Off-Street Parking* for more than 1,000 vehicles.

Religious Facility. A facility used for regular organized religious worship and related activities.

6. Civil Support.

This category is intended to encompass land uses predominantly supportive of other urban Uses and functions.

a. *Community Support Facility.* A facility providing basic services, for the benefit and service of the population of the community in which it is located. Such facilities may include but are not limited to police and Fire Stations, Extended Care Facilities, Nursing Homes, convalescent homes, Continuing Care Facility, and Assisted Living Facility or Adult Daycare Center as defined by *Chapter 429*, Florida Statutes.

b. *Infrastructure and Utilities.* A facility or *Structure* related to the provision of roads, water, and sewer lines, electrical, telephone and cable transmission, and all other utilities and communication systems necessary to the functioning of a community.

c. *Major Facility.* A large facility of an institutional nature including but not limited to Hospitals, public health and social service facilities, research facilities, shelters, judicial Buildings, Jails, Detention Facilities, work camps, cemeteries, mausoleums, Ambulance Services, Pharmaceutical Laboratories, or the like.

d. *Marina.* A facility for storage, servicing, fueling, berthing, or securing of boats. The Use does not include marine-related industrial activities.

e. *Public Parking. A* parking facility available to the general public for parking motor vehicles, including parking lots or garages.

f. *Rescue Mission.* A facility providing personal assistance to individuals in need; such assistance to individuals may include temporary shelter, food services provisions, counseling, instruction, medical services, and other incidental services.

g. *Transit Facility.* A facility providing accommodations by public, private, or nonprofit entities for the conveyance of persons from one place to another by means of a transportation system, including but not limited to bus terminal, railroad station, freight terminal, airport, helistop, or seaport.

7. Educational.

This category is intended to encompass land Use functions connected with providing education, training, or care of children and students of all ages.

a. *Childcare.* A facility where six (6) or more children are cared for on a part-time basis by day or by night including after-school care. The term does not include community based residential facilities, Family Care Homes, foster homes, group homes, rehabilitation or detention centers, orphanages, or other places operating primarily for remedial care.

b. *College / University.* A facility for post-secondary education that grants associate, bachelor, master, or doctoral degrees, and may include research functions or professional schools.

c. *Elementary School.* A facility offering instruction at the elementary school level.

d. *Learning Center.* A facility offering to students training, tutoring or instruction in subjects such as languages, music, fine arts, or dance. This may include provision of electronic testing and distance learning.

e. *Middle / High School.* A facility offering instruction at the middle or high school level.

f. *Pre-School.* A facility offering care and instruction of children who are pre-elementary school age.

g. *Research Facility.* A facility for research and development that does not involve the use of human testing, animal husbandry, incinerators, heavy equipment, mass manufacturing, fabrication, processing, or sale of products. Any facility involving human testing, animal husbandry, and the use of incinerators shall be considered a Major Facility.

h. *Special Training / Vocational.* A facility offering instruction or training in trades or occupations such as secretarial, paralegal, business, beauty, barber, bartender, acupuncture, massage, design, fine arts, music and dance or other similar vocations. This classification excludes training and education in any activity that is not otherwise permitted in the zone.

8. Industrial.

This category is intended to encompass *Land Use* functions connected with a business or activity involving manufacturing, fabrication, assembly, distribution, disposal, warehousing or bulk storage, trucking and equipment facilities, and other business serving primarily industrial needs. *Residential Uses* are not permitted except for live- aboard in commercial marinas, and limited work-live Uses.

B. *Definitions of Terms*.

"A" Terms

~~1.~~ *A-Frame Sign*. A type of freestanding, portable sign consisting of two faces connected and hinged at the top and whose message is targeted to pedestrians (also known as a sandwich board sign).

~~2.~~ *Abandoned Sign*. A sign which has not identified or advertised a current business, service, owner, product, or activity for a period of at least six (6) months.

~~3.~~ *Abutting.* To reach or touch; to touch at the end or be contiguous with; join at a border or boundary; terminate on. Abutting properties include properties across a *Street* or *Alley*.

~~4.~~ *Accessory Building.* A *Building* separate from and subordinate to the *Principal Building* on a *Lot* and used for purposes incidental to those of the principal building. Syn. Backyard Cottage, Garage Apartment, Granny Flat, Ancillary Apartment.

~~5.~~ *Accessory Dwelling Unit (ADU).* See Accessory Dwelling Unit, in *Section 15.4.A.1.*

~~6.~~ *Accessory Unit.* See *Accessory Dwelling Unit.*

~~7.~~ *Address Plaque*. A small *Sign* mounted to the front or side of a *Building* at the pedestrian level, or dimensional letters mounted above the door, conveying the numerical street address of the building.

~~8.~~ *Albedo.* The ratio of light reflected by a surface.

~~9.~~ *Allee.* A regularly spaced and aligned row of trees usually planted along a *Street* or *Pedestrian Passage.*

~~10.~~ *Alley.* A *Thoroughfare* (not officially designated as a street) designated by a recorded plat, deed, or legal instrument, to be a secondary means of vehicular access to the rear or side of properties otherwise Abutting a *Street*; an Alley may connect to a vehicular driveway located to the rear of *Lots* providing access to outbuildings, service areas and parking, and containing utility *Easements*.

~~11.~~ *Arcade.* An open *Structure* that projects from the front of a *Building* and covers a sidewalk, providing protected access along one or more sides of a Building. It is typically a substantial, masonry colonnade with or without arches supporting habitable space above. Compare to *Gallery.*

~~12.~~ *Arcade Frontage.* See *Section 15.6.A.* Frontage Types Table. A Private Frontage conventionally for *Retail* use wherein the *Facade* is a colonnade that overlaps the *Sidewalk*, while the Facade at the Sidewalk level remains at the *Frontage Line*. The covered pedestrian way is within the *Building* and there is *Habitable Space* above.

~~13.~~ *Architectural Features.* Prominent or significant parts or elements of a *Building* or *Structure.*

~~14.~~ *Architectural Screening.* A decorative architectural element which may be incorporated into or applied to a building's façade to provide visual texture or layering; add permeability; regulate light, thermal, and/or sound; and provide privacy control or optical filtering. Screens come in a wide variety of materials, designs, and styles. See also *Screening.*

~~15.~~ *Average Sidewalk Elevation.* The average of the record profile grade elevation of each of the *Streets* Abutting a development, as determined and on file with North Bay Village *Works Department.*

~~16.~~ *Awning.* A movable roof-like *Structure*, cantilevered or otherwise entirely supported from a *Building*, used to shade, or screen windows or doors.

~~17.~~ *Awning Sign*. A sign painted on, printed on, or applied to an awning.

~~18. *Backbuilding.* A single-story Structure with a maximum width of twelve (12) feet connecting a Primary Building to an Outbuilding.~~

"B" Terms

~~19.~~ *Balcony.* An unenclosed habitable *Structure* cantilevered from a *Facade* or *Building Elevation.*

~~20.~~ *Band Sign*. See *Wall Sign.*

~~21.~~ *Banner Sign*. A *Sign* consisting of cloth, bunting, plastic, paper, or similar non-rigid material attached to a *Structure*, staff, pole, rope, wire, or framing which is anchored on two or more edges. Banners are temporary in nature and do not include flags.

~~22.~~ *Base Building Line.* The officially mapped *Street Lines*. Lines so established may fall within the boundaries of *Lots* and shall be used instead of the Lot lines adjacent to the streets in determining the *Layers* and *Setbacks*.

~~23.~~ *Base Flood.* The 100-year flood, i.e., the flood that is estimated by *FEMA* to have a 1% chance of occurring in any given year. This is the event that is used by the *National Flood Insurance Program (NFIP)* for determining flood risk and for emergency planning purposes.

~~24.~~ *Base Flood Elevation (BFE).* The estimated elevation of the *Base Flood* within a particular zone, as listed on the *FEMA Flood Map* and periodically updated based on new data and improved technology.

~~25.~~ *Bay Window.* An architectural feature of habitable space with large windows that projects beyond the exterior wall of a *Building*. The exterior walls shall be at least fifty percent (50%) glass.

~~26.~~ *Bed and Breakfast.* See *Section 15.4.A.2*, Lodging Use

~~27.~~ *Bicycle Lane.* A lane dedicated for bicycle use demarcated by striping or otherwise separated from vehicle lanes.

~~28.~~ *Bicycle Rack Space.* Parking space for any two-wheel alternative mode of transportation including: bicycle, scooter, motorcycle, Segway®, etc.

~~29.~~ *Bicycle Route.* A *Thoroughfare* designated for shared use of bicycles and automobiles.

~~30.~~ *Billboard*. A *Sign* which directs attention to a business, product, commodity, service, entertainment venue, or facility not located, conducted, sold, or offered upon the premises where such sign is located, or which calls public attention to a candidate, cause, or public issue and which may be either freestanding or mounted upon a *Building.*

~~31.~~ *Block.* The aggregate of private *Lots*, passages, rear lanes and *Alleys*, the perimeter of which abuts *Thoroughfares.*

~~32.~~ *Build-to Line.* A line established within a given *Lot* indicating where the outer edge of a *Structure* must be located.

~~33.~~ *Building.* Any *Structure* having a solid roof intended for shelter or enclosing of persons, animals, chattels, property, equipment or a process of any kind or nature, excluding freestanding tents, freestanding awnings, and cabanas and screened enclosures.

~~34.~~ *Building Code*. The State of *Florida Building Code.*

~~35.~~ *Building Configuration.* The form of a *Building,* based on its massing, *Private Frontage*, and *Height.*

~~36.~~ *Building Height.* The vertical extent of a *Building* measured in feet.

~~37.~~ *Bulkhead* (in the context of *Sea Walls*). Synonym for Sea Wall. Definition forthcoming. A vertical wall which separates a body of water from adjacent land.

~~38.~~ *Bulkhead* (in the context of *Shopfronts*). A low wall on a shopfront between the sidewalk grade and the shopfront windows typically between 18 and 30 inches in height.

"C" Terms

~~39.~~ *Canopy.* A multi-sided overhead architectural projection supported by attachments to a *Building* on one or more sides and either cantilevered from such building supported by columns at additional points, or freestanding, with or without *Signage.*

~~40.~~ *Canopy Sign*. A sign that is part of, or attached to, a canopy.

~~41.~~ *Cap (*in the context of *Sea Walls*). A box structure which ties together a seawall at the top.

~~42.~~ *Civic.* Uses held in private or public ownership but functioning for community purposes such as religious, cultural, environmental, or educational uses. See *Section 15.4.A.5*.

~~43.~~ *Civic Building.* A *Building* designed specifically for a *Civic Function.*

~~44.~~ *Clearance*. The distance above the walkway, or other surface if specified, to the bottom edge of a *Sign*. This term can also refer to a horizontal clear distance between two objects.

~~45.~~ *Clear Window*. The glass surface of a window that allows visual permeability without tinting or *Screening*.

~~46.~~ *Code.* The *NBV 100 Code*. May also be referred to herein as this Code.

~~47.~~ *Commercial. See Section 15.4.A.4.*

~~48.~~ *Commercial Rental Sign*: See *Real Estate Sign.*

~~49.~~ *Common Lawn.* A *Frontage Yard* type with a deep *Setback*, remaining unfenced and visually continuous with abutting yards, supporting a common landscape that may be densely planted to buffer from high-speed *Streets*. See *Section 15.6.A.* Frontage Types Table.

~~50.~~ *Community Residence.* See *Section 15.4.A.*, Residential Use.

~~51.~~ *Comprehensive Plan.* The North Bay Village adopted *Comprehensive Plan*.

~~52.~~ *Configuration.* The form of a *Building* based on its massing, *Private Frontage* and *Height.*

~~53.~~ *Construction Sign*. Nonilluminated *Sings* that identify the architects, engineers, planners, contractors, or other individuals or firms involved with a construction project or announce the character or purpose of a project that may be displayed at the project site. The term does not include construction mesh, which is regulated under *Section 8.17.F* of the North Bay Village Unified Land Development Code.

~~54.~~ *Corner Sign*. A sign mounted perpendicularly from a *Building* edge along two frontages positioned at an equal degree to both frontages.

~~55.~~ *Cross-Block Passage.* See *Passage.*

~~56.~~ *Crown of Road*. The elevation of the crown of road. Refer to the *Department of Public Works.*

"D" Terms

~~57.~~ *Density.* The number of *Dwelling Units* within a standard measure of land area, usually given as units per acre.

Directory Sign. A sign type, whether wall-mounted or freestanding, which provides a listing of establishments within a building or series of buildings.

~~58.~~ *District.* See *Form-Based District.*

~~59.~~ *Dock.* See *Pier.*

~~60.~~ *Dormitory.* See *Section 15.4.A.*, Residential Use.

~~61.~~ *Dwelling Unit*. Residence of a single housekeeping unit.

"E" Terms

~~62.~~ *Easement.* A legal instrument, in a form approved by the *Village Attorney* and recorded in the county and *Village* records, that allows access through real property of the conveyor.

~~63.~~ *Eave.* The edge of the roof that meets or overhangs the walls of a *Building*.

~~64.~~ *Ecotone.* A region of transition between two biological communities.

~~65.~~ *Electric Vehicle (EV).* A vehicle which is powered by an electric motor drawing current from rechargeable storage batteries, fuel cells, or other portable sources of electrical current, and which may include a nonelectrical source of power designed to charge batteries and components thereof.

~~66.~~ *Elevation, Building*. An exterior wall of a *Building* not along a *Frontage Line* (See *Facade*).

~~67.~~ *Elevation, Floor*. Height of floor level.

~~68.~~ *Electronic Message Center (EMC) Sign.* A *Sign,* or portion thereof, that consists of electronically changeable alphanumeric text.

~~69.~~ *Encroachment*. *Building* element permissible within required *Setback.*

~~70.~~ *Enfront.* To place an element along a frontage, as in “arcades enfront the street.”

~~71.~~ *Entrance, Primary*. The main point of access for pedestrians into a *Building.* It shall remain open and unobstructed during regular business hours.

~~72.~~ *Entry Height*. The maximum or mini-mum vertical dimension from the side-walk level measured from the midpoint of the lot frontage to the entry floor of a *Building.* Garages and outbuildings are exempt from this requirement.

~~73.~~ *Estate Sale Sign*. A temporary sign advertising a home sale of household goods.

~~74.~~ *Exception*. A permit for a deviation from the *Uses* allowed by this Code requiring a *Public Hearing*. See Chapter 4, *Section 4.4.*

“F” Terms

~~75.~~ *Facade*. An exterior wall of a *Building* that is set along a *Frontage Line*. All sides of a *Tower* shall be treated as Facades. (See *Elevation, Building*).

~~76.~~ *Fence*. A permeable metal or wooden wall, independent of a *Building,* located along a *Frontage Line.*

~~77.~~ *FEMA*. Federal Emergency Management Agency.

~~78.~~ *Finished Grade*. The final elevation of the average ground level adjoining a *Building* at all exterior walls after development.

~~79.~~ *Finished Floor Level*. The top of the structural floor members of the habitable spaces. See also ~~Section 15.3.A.2~~ *Section 15.3.C.*

~~80.~~ *FIRM~~.~~ (Flood Insurance Rate Map)*. Provides information on flood risk including flood zones and *BFE*.

~~81.~~ *Flag Sign*. A *Sign* printed or painted on a cloth, plastic, canvas, or other like material with distinctive colors, patterns, or symbols attached to a pole or staff and anchored along only one edge or supported or anchored at only two corners. This definition shall include "feather flags" and "flutter flags."

~~82.~~ *Flood-proofing*. Any combination of structural and nonstructural additions, changes, or adjustments to *Structures*, which reduce or eliminate risk of flood damage to real estate or improved real property, water and sanitation facilities, or structures with their contents. Flood-proofing shall be certified by an engineer.

~~83.~~ *Floorplate*. The total indoor and outdoor *Floor Area* of any given *Story* of a *Building* measured to the exterior of the wall or balcony.

~~84.~~ *Floor.* See *Story.*

~~85.~~ *Floor Area, Gross*. The floor area within the inside perimeter of the outside walls of the *Building* including hallways, stairs, closets, thickness of walls, columns and other features, and parking and loading areas, and excluding only interior *Atria* and open-air spaces such as exterior corridors, Porches, balconies, and roof areas. Also means *Building* or Development Capacity.

~~86.~~ *Floor Area, Net.* The actual occupied area of a floor, which excludes all the previously listed, routinely unoccupied accessory areas of a Building.

~~87.~~ *Floor Lot Ratio (FLR).* The multiplier applied to the net *Lot Area* that determines the maximum *Floor Area* allowed above grade in a given *Transect Zone*. The calculation of FLR includes parking and loading areas. The maximum FLR may exceed the actual capacity that a site can sustain when other regulations of the Code are applied to the site.

~~88.~~ *Food Service Establishment.* See *Section 15.4.A.4.*, Commercial Use.

~~89.~~ *For Sale Sign*. See *Real Estate Sign.*

~~90.~~ *Forecourt.* A three-sided courtyard on the front of a *Building* that opens on one side to a *Thoroughfare* or public *Right-of-Way*. Typically, the *Primary Entrance* is located in the *Forecourt*. See *Section 15.6.A.* Frontage Types Table.

~~91.~~ *Form-Based Code.* A ~~c~~Code that specifies form of the buildings graphically. Form-based codes generally prescribe building types, *Frontages*, and other characteristics while loosening restrictions on use. They do this by making use of the ability of harmonious urbanism and architecture to overcome objections to mixed-use.

~~92.~~ *Form-Based District.* An area composed of *Transect Zones.*

~~93.~~ *Frontage.* The area between a *Building Facade* and the vehicular lanes of a *Thoroughfare* or the pavement of a *Pedestrian Passage.*

~~94.~~ *Frontage, Building.* Synonym for *Facade.*

~~95.~~ *Frontage, Pedestrian.* That *Frontage* facing the public space that defines the primary, dedicated, and accessible pathway that runs parallel to the *Street.*

~~96.~~ *Frontage, Primary (principal).* That *Frontage* facing the public space such as a *Thoroughfare* of higher pedestrian importance (i.e., traffic volume, number of lanes, etc.).

~~97.~~ *Frontage, Private.* The *Layer* between the *Frontage Line* and the *Primary Building Facade*. The *Structures* and landscaping within the Private Frontage may be held to specific standards regarding the depth of the *Setback* and the combination of architectural elements such as Fences, Stoops, Porches, and Galleries.

~~98.~~ *Frontage, Public.* The area between the curb of the vehicular lanes and the *Frontage Line.* Elements of the Public Frontage include the curb, *Sidewalk,* planter, street tree, streetlight, street furniture, etc.

~~99.~~ *Frontage, Retail.* *Frontage* that is intended for retail use.

~~100.~~ *Frontage, Secondary.* That *Frontage* facing the public space such as a *Thoroughfare* that is of lesser pedestrian importance (i.e., traffic volume, number of lanes, etc.).

~~101.~~ *Frontage Line.* *Property Line* or *Base Building Line* Abutting a public space, such as a *Plaza* or *Thoroughfare*, whether at the front, rear, or side of a *Lot.* Facades parallel to *Frontage Lines* define the public realm and are therefore more regulated than the *Elevations* that coincide with other *Lot Lines.*

~~102.~~ *Function.* The land Use allowed on property according to this Code.

~~103.~~ *Future Crown of Road.* The highest projected elevation of the Crown of Road after the thoroughfare has been raised. Refer to the *Stormwater Management Plan* of the Department of Public Works for data.

"G" Terms

~~104.~~ *Gallery.* An open structure that projects from the front of a *Building* and covers a sidewalk, providing protected access along one or more sides of a Building. It is typically a light, metal colonnade with no habitable space above. See Gallery Frontage Type in *Section 15.6.A.* Frontage Types Table. Compare to *Arcade.*

~~105.~~ *Gallery Frontage.* See *Section 15.6.A.* Frontage Types Table.

~~106.~~ *Garage Sale Sign*. A temporary sign advertising a home sale of household goods.

~~107.~~ *Green Space. An Open Space outdoors, at grade, unroofed, landscaped, and free of impervious.*

~~108.~~ *Green Wall.* Refer to *Chapter 3*, and *Chapter 9, Division 4* – Landscaping. Green walls are also referred to as *Living Or Vegetated Walls*. See also *Screening.*

~~109.~~ *Ground floor.* Synonym for first *Story.*

~~110.~~ *Ground Sign*. A freestanding single or double-faced *Sign* that is placed on or anchored in the ground.

"H" Terms

Habitable. Suitable and fit for a person to occupy or live in.

~~111.~~ *Habitable Rooms.* Rooms designed and used for living, sleeping, eating, cooking, or working or combinations thereof. Bathrooms, toilet compartments, closets, halls, storage rooms, laundry and utility spaces, basement recreation rooms, and similar areas are not considered Habitable Rooms.

~~112.~~ *Habitable Space.* Building space which *Use* involves human presence with direct view of the *Enfronting* streets or public or private *Open Space*, excluding *Parking Garages*, self-service storage facilities, warehouses, and display windows separated from retail activity.

~~113.~~ *Hanging Sign*. A single or double-sided sign suspended from the underside of a canopy, awning, or *Structure* contained wholly underneath the overhead structure.

~~114.~~ *Height.* See *Building Height.*

~~115.~~ *Home Office.* See *Section 15.4.A.1,* Residential Use.

~~116.~~ *Hotel.* See *Section 15.4.A.2*, Lodging Use.

~~117.~~ *Inn.* See *Section 15.4.A.2,* Lodging Use.

"I" Terms

~~118.~~ *Intensity.* The magnitude of development measured by *Floor Lot Ratio* permitted in the Restricted, Limited, and Open categories of a *Transect Zone.*

~~119.~~ *Island Walk.* The public shoreline walkway in North Bay Village, formerly known as the *Baywalk.*

"J" Terms [Reserved]

"K" Terms

~~120.~~ *Kiosk.* A temporary booth, stand, or similar *Structure* situated outdoors or affixed to the exterior of another structure at which goods or services are marketed. It does not include a structure serving the same purpose which is located within a primary structure, such as a hotel, retail establishment, *Restaurant*, or the like.

~~121.~~ *Kitchen.* A room or area inside a *Building* fully equipped with all the standard cooking appliances including: a sink, stovetop, oven, and refrigerator.

~~122.~~ *Kitchenette.* A room or area inside a *Building* partially equipped with standard cooking appliances, including: a sink, stovetop, and refrigerator, but excluding an oven.

"L" Terms

~~123.~~ *Layer.* An area of a *Lot* which comprises a strip of land parallel to a *Frontage Line* within which certain elements are allowed or disallowed, as regulated in this Code. A Layer is typically specified as being the *First*, *Second,* or *Third Layer*. See *Section 15.6.B.* Definitions Illustrated Table.

~~124.~~ *Layer, First.* The *Layer* between the *Base Building Line* and the required *Setback* including the *Private Frontage*. It is the most visible from the *Thoroughfare*. See *Section 15.6.B.* Definitions Illustrated Table.

~~125.~~ *Layer, Second.* The *Layer* behind the *First Layer* starting at the *Setback* which includes that portion of the Building which enfronts the *Thoroughfare*. See *Section 15.6.B.* Definitions Illustrated Table.

~~126.~~ *Layer, Third.* The *Layer* beyond the *First* and *Second Layers* towards the rear of the *Lot.* It is the least visible from the *Thoroughfare*. See *Section 15.6.B*. Definitions Illustrated Table.

~~127.~~ *Letter Height*. The height of a letter from its bottom to its top, including any shadow lines which are constructed as part of the *Sign.*

~~128.~~ *Level.* Synonym for *Story.*

~~129.~~ *Liner.* A *Building* or part of a Building with *Habitable Space* specifically designed to enfront a public space, masking a function that lacks the capacity to monitor public space, such as a parking lot, *Parking Garage,* or storage facility.

~~130.~~ *Livability.* See *Section 15.1.B.2.a.*

~~131.~~ *Live-Work.* See *Section 15.4.A.1,* Residential Uses

~~132.~~ *Living Sea Wall.* Concrete modules that are attached to existing seawalls that mimic natural shapes, which help to disperse wave action, create marine habitat, and increase biodiversity.

~~133.~~ *Living Shoreline.* A protected and stabilized shoreline that is made of natural materials such as plants, sand, or rock.

~~134.~~ *Living Wall*. See *Green Wall.*

~~135.~~ *Loading Berth.* See *Loading Space.*

~~136.~~ *Loading Space.* An area in which goods and products are moved on and off a vehicle, including the stall or berth and the apron or maneuvering room incidental thereto.

~~137.~~ *Lot.* A Lot is any individual Lot, tract, or parcel of land, intended as a single *Building* site or unit, having an assigned number or numbers, letter or letters, or other name through which it may be identified for development purposes. A Lot may also be any combination of Lots, tracts, parcels, or other areas of land established by acceptable legal joinder, delineated by a closed boundary, and assigned a number, letter, or other name through which it may be identified, intended as a single unit for development purposes.

~~138.~~ *Lot Area.* Lot area shall be the area within the *Lot Property Lines*, excluding any portions of street *Rights-of-Way* or other required dedications.

~~139.~~ *Lot, Corner.* A Lot or parcel of land Abutting two (2) or more *Thoroughfares* at their intersection, or two (2) parts of the same Thoroughfare forming an interior angle of less than one hundred thirty-five (135) degrees.

~~140.~~ *Lot Coverage.* The area of the *Lot* occupied by all *Buildings*, excluding *Structures* such as decks, pools, and trellises.

~~141.~~ *Lot, Interior.* A *Lot* Abutting only one (1) *Thoroughfare.*

~~142.~~ *Lot Line.* The boundary that legally and geometrically demarcates a *Lot.*

~~143.~~ *Lot Width.* The length of the narrowest dimension *Frontage Line* of a *Lot.*

"M" Terms

~~144.~~ *Marquee*. A permanent roof-like structure supported by a wall of a structure but having no relationship to the roof structure, generally designed, and constructed for protection against weather.

~~145.~~ *Marquee Sign*. A *Sign* attached to a marquee.

~~146.~~ *Master Plan*. A plan for a locality, embracing both the spheres of physical development and policy. A Master Plan is generally accepted by a legislative body but is not in itself a regulatory document.

~~147.~~ *Mezzanine.* An intermediate, partial floor that projects between main floors of a *Building* and it is counted among the overall floors of a building.

~~148.~~ *Mean Sea Level (MSL).* Average sea level, commonly referred to as sea level.

~~149.~~ *Micro Unit.* A small studio apartment, less than 400 square feet with a fully functioning and accessibility compliant kitchen and bathroom.

~~150.~~ *Multi-Family Housing.* See *Section 15.4.A.1,* Residential Use.

~~151.~~ *Mixed-Use.* Multiple functions within the same *Building* or within the same area through superimposition or adjacency.

~~152.~~ *Mural*. Artwork applied to the wall of a *Building*, which covers all or most of the *Wall.* Where a mural contains a commercial message, it shall be considered a *Wall Sign*..

"N" Terms

~~153.~~ *NBV100. Master Plan* for North Bay Village (Final Report).

~~154.~~ *Nonconforming Sign*. Any sign that has a valid permit and was erected prior to the effective date of the Code or any subsequent amendment hereto, to the provisions of which the sign does not conform.

"O" Terms

~~155.~~ *Open House / Model Home Sign*. See *Real Estate Sign*.

~~156.~~ *Open Space.* Any parcel or area of land or water essentially unimproved by permanent *Buildings* and open to the sky; such space shall be reserved for public or private Use. *Open Spaces* may include Parks, Greens, Squares, Courtyards, Gardens, Playgrounds, *Paseos* (when designed predominantly for pedestrians), and pedestrian paths or associated landscaped areas.

~~157.~~ *Outbuilding.* A *Building,* usually located towards the rear of the same *Lot* as a *Primary Building*. It is sometimes connected to the *Primary Building* ~~by a Backbuilding~~.

"P" Terms

~~158.~~ *Parking Area.* Any area designed and used for parking motor vehicles including parking lots and garages, driveways, garages serving residential Uses, and *Thoroughfares*.

~~159.~~ *Parking Garage or Parking Structure.* A *Structure* containing vehicular parking, including mechanical parking systems.

~~160.~~ *Parking, Off-site.* Spaces provided for vehicles and located outside of the boundaries of the *Lots* to be served.

~~161.~~ *Parking, Off-street.* Any land area designed and used for parking motor vehicles including parking lots and garages, driveways and garages serving residential uses, but excluding areas of *Thoroughfares.*

~~162.~~ *Parking, Shared.* The policy wherein day / night and weekday / weekend schedules allow the parking to be shared by more than one use or *Building.*

~~163.~~ *Parking, Tandem.* The placement of vehicles one behind the other as opposed to side by side.

~~164.~~ *Paseo.* See *Passage.*

~~165.~~ *Passage.* A pedestrian connector, open or roofed, that passes between *buildings* to provide shortcuts through long blocks and connect rear parking areas to frontages. They are public open spaces restricted to pedestrian use that also connect thoroughfares and other public use spaces.

~~166.~~ *Pedestal.* In T6 Zones, that portion of a *Building* up to the fifth *Story,* which typically contains the building's structured parking and amenities. Also known as podium.

~~167.~~ *Pedestrian Passage.* See *Passage.*

~~168.~~ *Pervious Pavement System.* A porous surface system with a stabilized base that allows water from precipitation and other sources to pass directly through, thereby reducing the runoff from a site, allowing groundwater recharge, and naturally cooling the surface through evaporation of water from pavement voids or from beneath.

~~169.~~ *Pier.* A platform extending from shore over water used to secure and protect vessels or allow pedestrian access to extend over water.

~~170.~~ *Planter.* The element of the public streetscape which accommodates street trees. Planters may be continuous or individual and separated.

~~171.~~ *Place of Assembly (POA).* A commercial facility for public assembly including, but not limited to arenas, auditoriums, conference facilities, convention centers, exhibition halls, major sports facilities, theaters and performing arts centers, and the like.

~~172.~~ *Plaza.* An *Open Space* available for civic purposes and programmed activities. A plaza shall be spatially defined by *Building Frontages* and may include street *Frontages*. Its landscape shall consist primarily of pavement and trees. Plazas shall be located at the intersection of important *Thoroughfares.*

~~173.~~ *Political Sign*. A sign advertising a candidate, political party, or position in connection with a local, state, or national election.

~~174.~~ *Porch.* An open-air room appended to a *Building*, with floor and roof but no walls on the sides facing *Frontages.*

~~175.~~ *Porch and Fence Frontage.* See *Section 15.6.A.* Frontage Types Table.

~~176.~~ *Primary Building.* A *Structure* used to enclose or house the *Primary Use(s)* located on a *Lot*; or the main *Building* on a Lot, usually located toward the front.

~~177.~~ *Primary Dwelling Unit.* See *Single-Family Residence*.

~~178.~~ *Primary Frontage Line.* A line established within a given *Lot* indicating where the *Front Facade* of a *Structure* must be Located. (Also *Build-to Line*).

~~179.~~ *Principal.* Synonym for Primary.

~~180.~~ *Projecting Sign*. A building-mounted, double-sided sign which is mounted perpendicular to a *Building's Façade*.

~~181.~~ *Promenade.* A controlled pedestrian sequence designed to be aesthetic, as opposed to an itinerary, which is a controlled sequence without such ambition. A promenade is usually a sequence within a park, sometimes along a waterfront.

~~182.~~ *Property Line.* Demarcation of private property ownership.

~~183.~~ *Prosperity.* See *Section 15.1.B.2.c.*

~~184.~~ *Public Parking.* See Section ~~1.~~1 *Section 15.7.A.h,* Civil Support Use.

~~185.~~ *PZB.* The *Planning and Zoning Board* of North Bay Village.

"Q" Terms [Reserved]

"R" Terms

~~186.~~ *Real Estate Sign*. A sign depicting sale or lease of a property on the premises of the property being advertised.

~~187.~~ *Recreational Watercraft.* A vessel or craft designed and licensed to move across or through water, designed and outfitted exclusively for recreational use.

~~188.~~ *Regulating Plan.* The Form-Based Districts Regulating Plan of North Bay Village. See *Section 15.5.* Form-Based District Regulating Plan.

~~189.~~ *Rental*. See *Real Estate Sign.*

~~190.~~ *Residential Use.* See *Section 15.4.A.1.*

~~191.~~ *Residential Construction Sign*. See *Construction Sign.*

~~192.~~ *Resiliency.* The capacity of a community, business, or natural environment to prevent, withstand, respond to, and recover from a disruption.

~~193.~~ *Retail.* A business providing the sale and display of goods or sale of services directly to the consumer. Retail goods include clothing, food, furniture, pharmaceuticals, books, used goods, and works of art. General retail services include, but are not limited to: barber shops, beauty salons, travel agencies, retail banking, real estate agents, retail dry cleaning, laundromats, photo studios, and repair services establishments for small domestic products.

~~194.~~ *Retail Frontage Line.* *Frontage Lines* designated on a *Special Area Plan* that require the ground level to be available for retail Use.

~~195.~~ *Right-of-Way, Public*. That land held in trust by the *Village* between the base building lines, including the sidewalk, swale and parkway area, and the roadway, *Street,* and highway.

~~196.~~ *Rip ~~r~~Rap.* Loose stone used to form a foundation for a breakwater or other *Structure.*

~~197.~~ *ROW.* Right-of-way.

~~198.~~ *Rules of Construction.* A legal term referring to rules for how the code language is written and how it is to be interpreted. This term should not be confused with the *Building Code.*

"S" Terms

~~199.~~ *Scale.* The spatial relationship among *Structures* along a street or block front, including height, bulk, and yard relationships. Scale also refers to the proportional relationship of the size of parts to one another and to the human figure.

~~200.~~ *Screening*. Visually shielding or obscuring one *Structure* or *Use* from another or from a *Thoroughfare* by a *Liner Building*, *Fencing, Wall*, or densely planted vegetation. See also *Architectural Screening.*

~~201.~~ *Sea Level Rise (SLR).* The average long-term global rise of the ocean surface measured from the center of the earth, as derived from satellite observation.

~~202.~~ *Sea Wall.* A wall or embankment made up of a bulkhead and cap erected to prevent the sea from encroaching on or eroding an area of land. See *Bulkhead.*

~~203.~~ *Setback.* The distance from the *Base Building Line* to the point where a *Building* may be constructed. This area must be maintained clear of permanent Structures with the exception of encroachments described in each Transect Zone.

~~204.~~ *SF.* Square foot.

~~205.~~ *Shared Parking Standards.* An accounting for parking spaces that are available to more than one function.

~~206.~~ *Shared Use Path.* A form of infrastructure that supports multiple recreation and transportation opportunities. Users include, but are not limited to: bicyclists, in-line skaters, wheelchair users, and pedestrians.

~~207.~~ *Shopfront.* The ground floor *Facade* of a commercial building visible from a *Street,* sidewalk, parking area, or other public way, comprising an entrance to an establishment and display windows. See *Section 15.2.E.* Shopfront Standards.

~~208.~~ *Shopfront Frontage.* See *Section 15.6.A.* Frontage Types Table.

~~209.~~ *Sidewalk.* The paved layer of the *Public Frontage* dedicated exclusively to pedestrian activity.

~~210.~~ *Sign*. Any writing, symbol, figure, representation, logo, emblem, flag, banner, device, letter, word, street clock or temperature announcement, which shall include any announcement, declaration, demonstration, display, illustration, name identification, description, or insignia, which is used to advertise or promote the interest of any person or firm when such representation is placed in view of the general public.

~~211.~~ *Sign Band.* A horizontal component of a *Shopfront* to accommodate band signs located above transom and Shopfront windows and below the transition band.

~~212.~~ *Sign Area*. The area of a sign shall mean the area of all lettering, wording, accompanying designs, logos, and symbols, together with the background on which they are displayed, whether open or enclosed. The area of a sign shall not include any supporting framework, bracing, or trim which is incidental to the display, provided that it does not contain any lettering, wording, or symbols. Where the sign consists of individual letters, designs, or symbols attached to a building, awning/canopy, wall, window, or freestanding structure, the area shall be that of the smallest rectangle which encompasses all of the letters, designs, and symbols.

~~213.~~ *Sign Copy*. Any letter, numeral, figure, symbol, logo, or graphic element displaying the content or message of a sign.

~~214.~~ *Single-Family Residence.* See *Section 15.4.A.1*, Residential Use.

~~215.~~ *Snipe Sign*. A sign attached to a tree, pole, stake, *Fence,* public bench, streetlight, or other object, placed on public property, in the public right-of-way or on private property without the permission of the property owner (also known as a bandit sign).

~~216.~~ *Square.* An *Open Space* available for unstructured recreation programs and civic purposes. A square is spatially defined by *Building Frontages* with *Streets* on at least one *Frontage*. Its landscape shall consist of pavement, lawns, and trees formally disposed. Squares shall be located at the intersection of important thoroughfares.

~~217.~~ *Stepback.* A recess in the mass of a *Building* above a specified elevation or level. It is measured horizontally from the exterior face of the Building below (not from the *Property Line* or *Setback*) to the exterior face above.

~~218.~~ *Stoop.* A small, uncovered, exterior stair, most often with a landing, that connects a *Building* entrance to the *Sidewalk.* There may be a ramp in addition to or in place of the stairs.

~~219.~~ *Stoop Frontage.* See *Section 15.6.A*. Frontage Types Table.

~~220.~~ *Storefront.* Synonym for *Shopfront.*

~~221.~~ *Story.* That portion of a *Building,* other than a basement or mezzanine, included between the surface of any floor and the surface of the floor next above it; or, if there is no floor next above it, then the space between the floor and the ceiling next above it by which Height is measured. Synonymous with *Floor* and *Level.*

~~222.~~ *Streetscape.* The urban element that establishes the major part of the public realm. The streetscape is composed of *Thoroughfares* (travel lanes for vehicles and bicycles, parking lanes for cars, and Sidewalks or paths for pedestrians) as well as the amenities of the *Public Frontages* (street trees and plantings, benches, streetlights, paving, street furniture, etc.), and the visible *Private Frontages* (*Building Facades* and *Building Elevations*, Porches, *Yards, Fences*, etc.).

~~223.~~ *Streetedge.* A masking *Structure* stretching along the *Frontage Line* or co-planar with the facade, designed to remedy a gap of spatial definition or to mask parking. A streetedge shall consist of one or a combination of the following: a solid masonry streetwall (*Streetscreen*), matching the finish of the *Primary Building*; a fence not less than 50% opaque; or a dense hedge.

~~224.~~ *Streetscreen.* A freestanding wall required in certain *Transect Zones* built along the *Frontage Line*, or coplanar with the *Facade,* often for the purpose of masking a parking lot from the *Thoroughfare.*

~~225.~~ *Structure.* A Structure is anything constructed or erected, the use of which requires fixed location on the ground or attachment to something having fixed location on the ground or on or below the surface of the ground or water.

"T" Terms

~~226.~~ *Terrace.* An elevated, uncovered patio along the front of a *Building*, larger than a stoop or stair landing.

~~227.~~ *Terrace Frontage.* See *Section 15.6.A.* Frontage Types Table.

~~228.~~ *Thoroughfare.* A vehicular way incorporating moving lanes and parking lanes within a *Right-of-Way* as part of an interconnected network for vehicular, pedestrian, and bicycle mobility.

~~229.~~ *Tower.* In T6 Zones that portion of a *Building* that extends above the *Pedestal.*

~~230.~~ *Tower, Waterview.* A habitable portion of a *Building* at or above the maximum *Building Height* that is intended for views of the water, and which may be used for access to the roof.

~~231.~~ *Transit Corridor*. Refers to a transportation corridor served by a single route or a combination of routes connected by a transfer point where the transit service is provided either by train or bus managed by *Miami-Dade County TPO.*

~~232.~~ *Transect.* A system of ordering human habitats in a range from the most natural to the most urban. *Transect Zones* describe the physical character of place at any Scale, according to the *Density* and *Intensity* of land use and urbanism.

~~233.~~ *Transect Zone (T-Zone).* The identification of areas of varying *Density* whose character is determined by the requirements for *Use*, *Height*, *Setback* and the form of *Building* and the form of the *Enfronting* public streetscape. The elements are determined by their location on the Transect scale. Transect Zones include T1 Natural, T2 Rural, T3 Sub- Urban, T4 Urban General, T5 Urban Center, and T6 Urban Core, CS Civic Space, CI Civic Institutional. T3 through T6 Zones may be subcategorized as Restricted I, Limited (L), and Open (O).

~~234.~~ *Transition Line.* A horizontal line spanning the full width of a *Facade,* expressed by a material change or by a continuous horizontal articulation such as a cornice or a balcony.

~~235.~~ *Trellis.* A lattice-pattern frame supporting climbing plants, usually made of wood. A trellis may arch to form a tunnel, be straight as a pergola, or be a screen affixed to a wall.

~~236.~~ *Two-Family Residence*. See *Section 15.4.A.1,* Residential Use.

~~237.~~ *Type*. A category determined by Function, disposition, and configuration, including size or extent, such as *Thoroughfare* types, *Civic Space* Types, etc.

"U" Terms

~~238.~~ *Understory.* The uninhabited ground level of a *Building* designed to allow flood waters to pass through.

~~239.~~ *Use*. The purpose or activity for which land, water or *Buildings* are designed, arranged, or intended, or for which land or Buildings are occupied or maintained.

"V" Terms

~~240.~~ *Variance.* A dispensation permitted on individual parcels of property as a method of relieving an unnecessary hardship, by allowing a reasonable use of the *Building,*

Structure, or property, which, because of unusual or unique circumstances, is denied by the provisions of this ~~c~~Code. See Chapter 7 of the ULDC.

~~241.~~ *Verge.* The green space between the Sidewalk and the Curb in the public *Right-of-Way.*

~~242.~~ *Vessel.* Any watercraft, power-driven or not, mobile, or stationary, surface, subsurface or hydrofoil, including but not limited to ships, boats, houseboats, air boats, and sea planes, but excluding Floating Structures.

~~243.~~ *Vessel, Commercial.* A vessel built, altered, or used for the primary purpose of engaging in water-related commercial activity, including but not limited to charter boats, fishing boats, cruise ships, and freighters.

~~244.~~ *Vessel, Private Pleasure Craft.* A vessel which is privately owned or leased primarily for recreational purposes. Private pleasure craft do not include commercial, official, or scientific vessels. For regulatory purposes, private pleasure craft are divided into two (2) classes. Minor: Under sixteen (16) feet in length; Major: Sixteen (16) feet and over in length. Private pleasure craft may or may not contain facilities qualifying them Residential Use. Where they do contain such facilities, Use within the *Village* limits shall be governed as provided in this Code and other applicable regulations.

~~245.~~ *Vestibule.* A passage, hall, or room between the outer door and the interior of a *Building.*

~~246.~~ *View Corridor.* A portion of a lot that allows views of the water from a public *Thoroughfare.* No parking or above-ground structures are allowed. Landscaping must not obstruct the view.

~~247.~~ *Village.* North Bay Village.

~~248.~~ *Village Center.* Typically comprised of a cohesive mix of residential, civic, religious, commercial, and mixed-use buildings, arranged along a main street and intersecting *Streets* that are within walking distance for residents who live within and surrounding the core.

~~249.~~ *Village Code.* The *Code of Ordinances* of North Bay Village.

"W" Terms

~~250.~~ *Waiver.* Permits for a minor deviation from the code, other than for use, granted administratively. See *Section 15.1.H.*

~~251.~~ *Wall Sign*. A sign erected against or painted on the wall of any *Building,* displayed on windows or doors, or displayed with the exposed face thereof in a plane parallel to the face of said wall, window, or door.

~~252.~~ *Warning / Instructional Sign*. An on-premises sign regulating the use of the premises, such as a "no trespassing," "no-hunting," or "no soliciting" sign.

~~253.~~ *Warrant.* A minor use exception granted administratively. See *Section 15.1.H.*

~~254.~~ *Wayfinding Sign*. A sign or series of signs directing from point to point or confirming progress along a route to a destination.

~~255.~~ *Window Sign*. A sign that is applied, painted, or affixed to a window, or placed inside a window, within three (3) feet of the glass, facing the outside of the building, and easily seen from the outside. Customary displays of merchandise or objects and material without lettering behind a store window are not considered signs.

~~256.~~ *Work-Live.* A mixed-Use unit that contains a commercial, office, or light industrial component. The work component exceeds fifty percent (50%) of the *Dwelling Unit* area.

"X" Terms [Reserved]

"Y" Terms

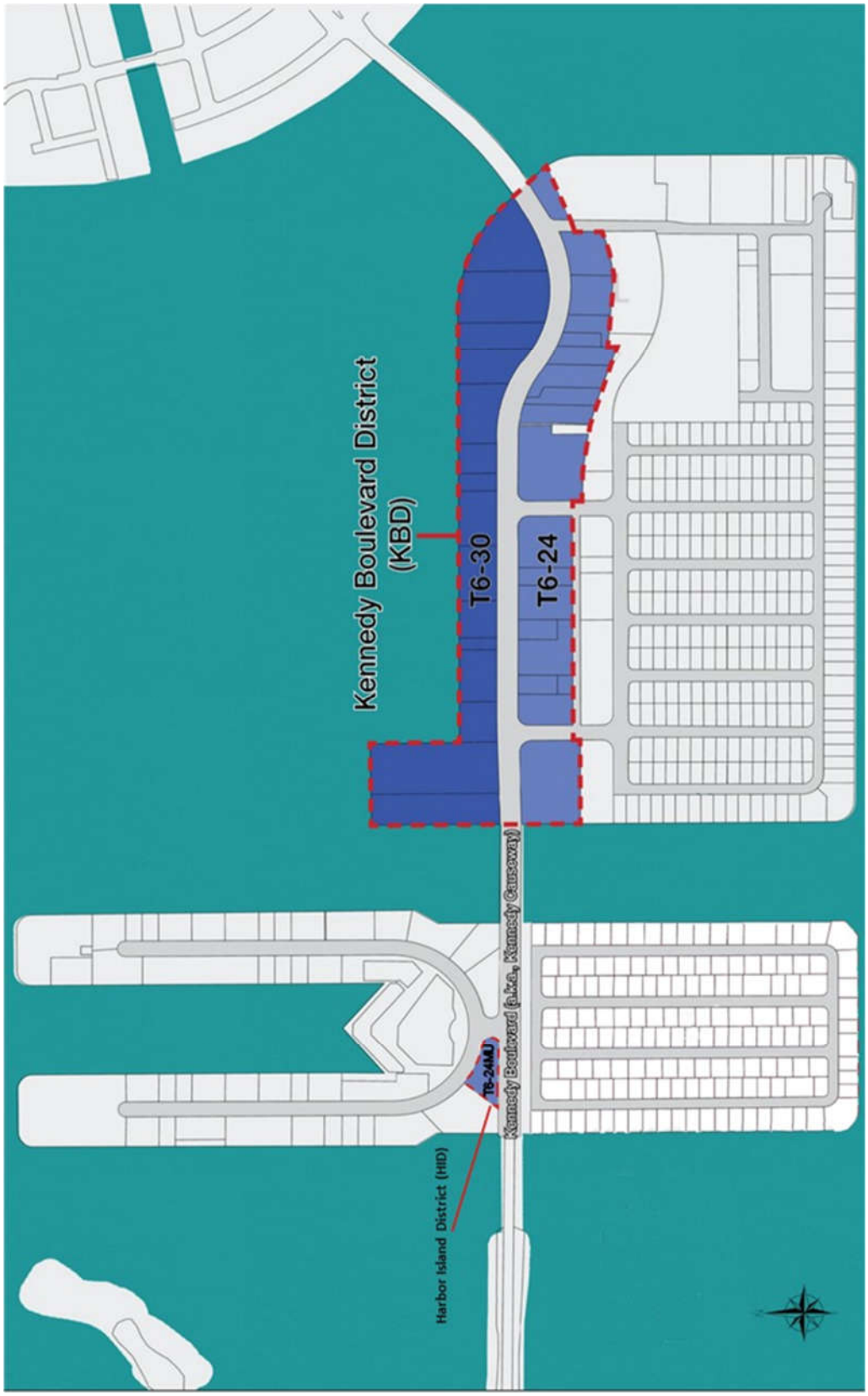
~~257.~~ *Yard Sale Sign*. See *Garage Sale Sign.*

~~258.~~ *Yard Sign*. A freestanding sign placed along a *Property Frontage.*

"Z" Terms [Reserved]

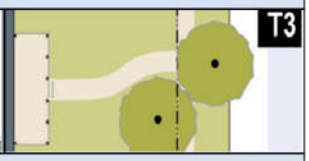
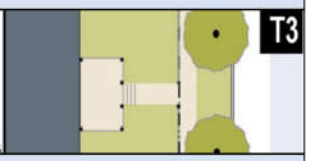
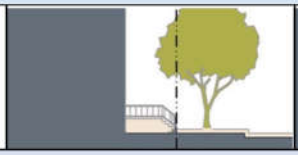
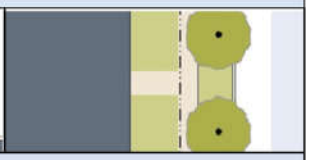
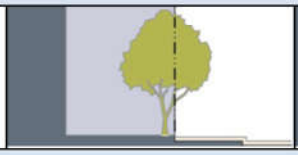
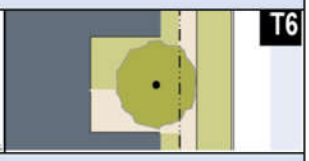
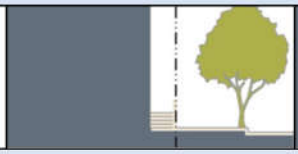
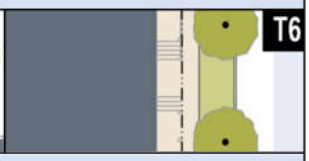
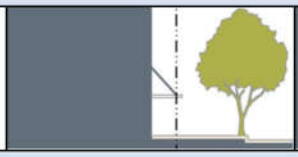
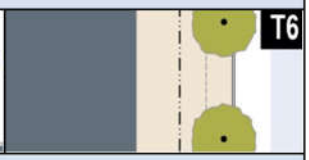
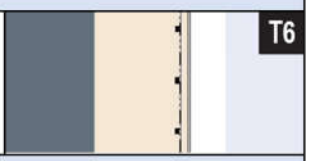
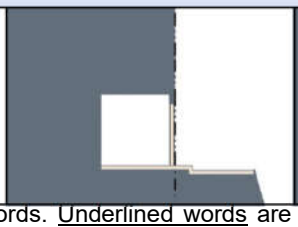
§ 15.5. Form-Based Districts Regulating Plan (Amended).

The official Form-Based Districts Regulating Plan (a.k.a., Regulating Plan) is maintained in the Office of the *Village Clerk*. Refer to *Section 15.1* for General Provisions. If conflicting, t~~T~~he Form-Based Districts and Transect Zones indicated on the Regulating Plan supersede zoning districts and overlay districts on the North Bay Village *Zoning Map.*



Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

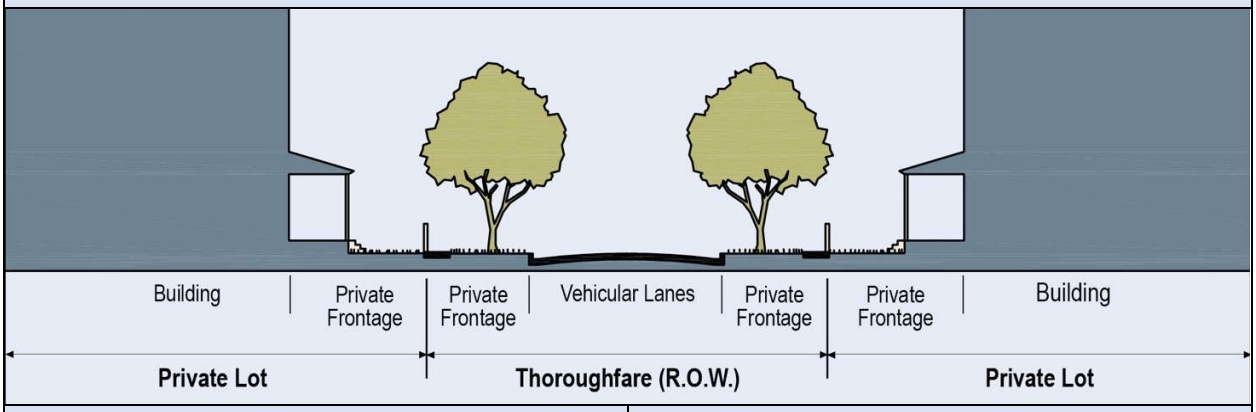
§ 15.6.A Frontage types table.

	SECTION		PLAN	
	LOT PRIVATE ► Frontage	R.O.W. ◄ PUBLIC Frontage	LOT PRIVATE ► Frontage	R.O.W. ◄ PUBLIC Frontage
a. Common Lawn. ~~[Reserved]~~				
A *Frontage* wherein the Facade is set back substantially from the Frontage Line. The front yard created remains unfenced and is visually continuous with adjacent yards, supporting a common landscape. The *Setback* can be densely landscaped to buffer from higher speed Thoroughfares.			 T3	
b. Porch and Fence. ~~[Reserved]~~				
A Frontage wherein the Facade is set back from the *Frontage Line* with an attached *Porch* permitted to encroach. A *Fence* at the Frontage Line maintains the demarcation of the yard while not blocking view into the front yard.			 T3	
c. Terrace.				
A Frontage wherein the Facade is set back from the Frontage Line by an elevated terrace. This type buffers residential use from urban sidewalks and removes the private yard from public encroachment. The raised terrace is suitable for outdoor cafes.				
d. Forecourt.				
A Frontage wherein a portion of the Facade is close to the Frontage Line with a portion set back. The forecourt with a large tree offers visual and environment variety to the urban *Streetscape*.			 T6	
e. Stoop.				
A Frontage wherein the Facade is aligned close to the Frontage Line with the first *Story* elevated from the sidewalk sufficiently to secure privacy for the windows. The entrance is usually an exterior stair and landing. This type is recommended for ground-floor Residential Use.			 T6	
f. Shopfront.				
A Frontage wherein the Facade is aligned close to the Frontage Line with the *Building* entrance at sidewalk grade. This type is conventional for retail Use. It has substantial glazing at the sidewalk level and an *Awning* that may overhang the sidewalk.			 T6	
g. Gallery.				
A Frontage wherein the Facade is aligned at the Frontage Line with an attached lightweight colonnade overlapping a sidewalk. This type is conventional for retail Use. The Gallery shall be no less than 20 feet wide and shall overlap the whole width of the Kennedy Cswy. setback up to the property line.			 T6	
h. Arcade.				
A Frontage wherein the Facade is aligned at the Frontage Line with an open colonnade overlapping the sidewalk. *Habitable Space* is found above the entirety of the Arcade for floors two through five. This type is conventional for retail Use. The Arcade shall be no less than 20 feet wide and shall overlap the whole width of the Kennedy Cswy. setback up to the property line.			 T6	

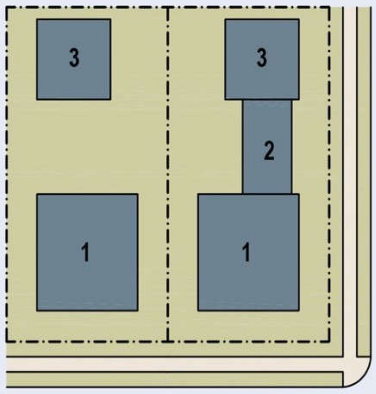
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§ 15.6.B Definitions illustrated table.

a. Thoroughfare & Frontages

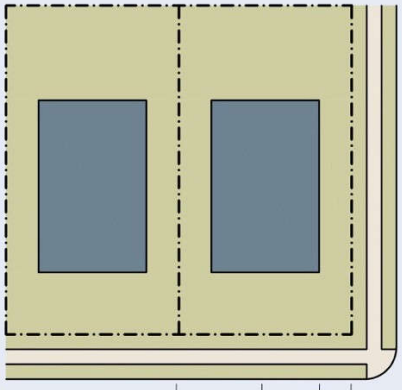


b. Building Disposition

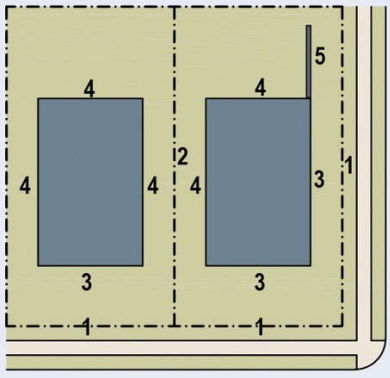


1 - Primary Building
2 - Backbuilding
3 - Outbuilding

c. Lot Layers

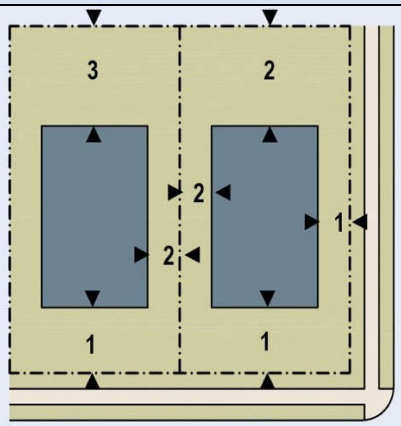


d. Frontage & Lot Lines



1 - Frontage Line
2 - Lot Line
3 - Facades
4 - Elevations
5 - Streetscreen

e. Setback Designations

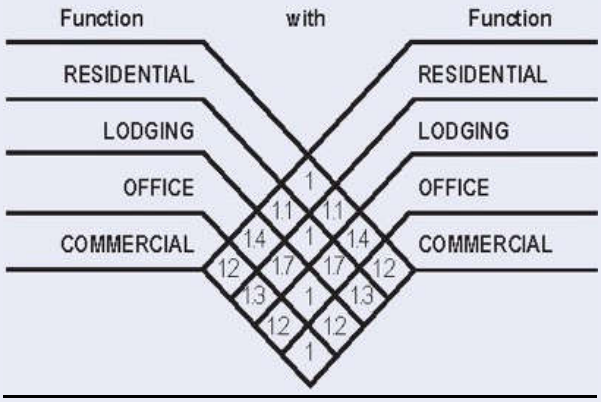


1 - Front Setback
2 - Side Setback
3 - Rear Setback

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§ 15.6.C. Shared parking standards table.

a. Sharing Factor



The shared Parking Standards Table provides the method for calculating shared parking for buildings with more than one Use type. It refers to the parking requirements that appear in *Section 15.7.A.*

The parking required for any two Functions on a Lot is calculated by dividing the number of spaces required by the lesser of the two uses by the appropriate factor from this Table and adding the result to the greater use parking requirement.

For instance: for a building with a Residential Use requiring 100 spaces and a Commercial Use requiring 20 spaces, the 20 spaces divided by the sharing factor of 1.2 would reduce the total requirement to 100 plus 16 spaces. For uses not indicated in this chart on a mixed-use lot a sharing factor of 1.1 shall be allowed. Additional sharing is allowed by Warrant.

§ 15.6.D. Loading berth standards table.

USE				NOTES
a. Residential [1]	**From 25,000 sf to 500,000 sf**			**Berth Types** Residential[1]: 240 sf = 10 ft x 20 ft (12 ft high) Commercial[2]: 420 sf = 12 ft x 35 ft (15 ft high) Industrial[3]: 660 sf = 12 ft x 55 ft (15 ft high) ~~f~~[1] Residential loading berths shall be set back a distance equal to their length. [2] 1 Commercial berth may be substituted by 2 Residential berths [3] 1 Industrial berth may be substituted by 2 Commercial berths. A required Industrial or Commercial loading berth may be substituted by a Commercial or Residential loading berth by Waiver if the size, character, and operation of the *Use* is found to not require the dimensions specified and the required loading berth dimension could not otherwise be provided according to the regulations of this Code.
	Berth Size	**Loading Berths**		
	420 sf	1 per first 100 units		
	240 sf	1 per each additional 100 units or fraction of 100		
	Greater than 500,000 sf			
	Berth Size	**Loading Berths**		
	660 sf	1 per first 100 units		
	240 sf	1 per each additional 100 units or fraction of 100		
b. Lodging	**From 25,000 sf to 500,000 sf**			
	Berth Size	**Loading Berths**		
	420 sf	1 per first 300 rooms		
	240 sf	1 per 100 rooms		
	Greater than 500,000 sf			
	Berth Size	**Loading Berths**		
	660 sf	1 per first 300 rooms		
	240 sf	1 per 100 rooms		
c. Office, Commercial,[2] Industrial[3]	**From 25,000 sf to 500,000 sf**			
	Berth Size	**Loading Berths**	**Area**	
	420 sf	1st	25K sf – 50K sf	
	420 sf	2nd	50K sf -100K sf	
	420 sf	3rd	100K sf – 250K sf	
	420 sf	4th	250K sf – 500K sf	
	Greater than 500,000 sf			
	Berth Size	**Loading Berths**	**Area**	
	660 sf	1 per	500K sf	

Key:

sf = square feet

K = 1,000

Coding: ~~Strikethrough words~~ are deletions to the existing words. Underlined words are additions to the existing words. Changes introduced between first and second reading are indicated with ~~double strikethrough~~ and double underline and highlighted in teal.

§ 15.6.E. Sign restrictions table.

***

[NO CHANGES TO BE MADE TO THE EXISTING SECTION 15.6(E) TEXT IN THIS ORDINANCE]

***

§ 15.6.F. Sign types illustrated table.

***

[NO CHANGES TO BE MADE TO THE EXISTING SECTION 15.6(F) TEXT IN THIS ORDINANCE]

***

§ 15.7.A. Building function (use) and parking requirements table – T6 Transect Zone.

USE	T6	PARKING REQUIREMENTS
a. **Common to all Uses listed below**		
		In addition to specific parking requirements described below, all *Uses* listed in this table are subject to the following requirements and provisions, unless noted otherwise: • Electric Vehicle (EV) charging stations (220V) per *Sec. 8.23.* • Bicycle parking and storage per *Sec. 8.24.* • On-street parking along any frontage shall be counted towards the overall parking requirement. • Parking may be provided by ownership or lease offsite within 1,000 feet. if the distance is found to be reasonable by the *Village Commission*, *per Section 9.3.D.* • Parking requirement may be reduced according to the Shared Parking Standards, *Section15.6.C* ~~and Section15.6.D.~~ • Parking ratio may be reduced by up to thirty percent (30%) due to proximity to a qualifying *Transit Corridor* after review and approval by Village Commission. • Loading Berth Standards – See *Section15.6.D.*
b. **Residential**		
Single-Family Residence		Residential Uses are limited by compliance with: • Minimum of 1.0 parking space per *Dwelling Unit.* • Minimum of .75 parking spaces per Dwelling Unit less than 400 SF with *Commission* approval. • Minimum of 1 additional visitor parking space for every 10 Dwelling Units. • Live-work – Work component shall provide parking as required by the non- residential use in addition to parking required for the Dwelling Unit. • Adult Family-Care Homes – Minimum 1 space per staff member and 1 space per 4 residents. • Community Residence – Minimum of 1 parking space per staff member in addition to the parking required
Community Residence		
Accessory Dwelling Unit (ADU)		
Two-Family Residence		
Multi-Family Housing	R	
Dormitory	E	
Home Office	R	
Live-Work	R	
Adult Family-Care Homes	E	
Residential Rentals	*	

		for the *Primary Dwelling Unit(s).* * Residential Rentals shall comply with *Chapter 13* – Vacation License Program.
c. **Lodging**		
Bed & Breakfast		Lodging Uses are limited by compliance with: • Minimum of 1 parking space for every 2 lodging units. • Minimum of 1 additional visitor parking space for every 15 lodging units.
Inn	R	
Hotel	R	
d. **Office**		
Office	R	Office Uses are limited by compliance with: • Minimum of 3 parking spaces for every 1,000 square feet of office use.
e. **Commercial**		
Auto-Related Establishment	E	Commercial Uses are limited by compliance with: • A maximum area of 55,000 square feet per establishment. • Minimum of 3 parking spaces for every 1,000 square feet of Commercial Use, except for Self-Storage Facilities, minimum 1 parking space for every 10,000 square feet. ** Refer to *Chapter 12*, Adult Entertainment
Entertainment Establishment	R	
Entertainment Estab. Adult**		
Food Service Establishment	R	
Alcohol ~~Beverage~~ Service Establishment	R	
General Commercial	R	
Marine-Related Establishment	E	
Open Air Retail	E	
Place of Assembly	R	
Recreational Establishment	R	
Self-Storage Facility	E	
~~f. **Industrial**~~		
~~Auto-Related Industrial Estab.~~		
~~Manufacturing and Processing~~		
~~Marine-Related Industrial Estab.~~		
~~Products and Services~~		
~~Storage/Distribution Facility~~		

~~g~~f. **Civic**		
Community Facility	E	Civic Uses are limited by compliance with: • Minimum of 1 parking space for every 5 seats of assembly uses. • Minimum of 1 parking space for every 1,000 square feet of exhibition or recreation area, and parking spaces for other Uses as required.
Recreational Facility	R	
Religious Facility	R	
Regional Activity Complex	E	
~~h~~g. **Civil Support**		
Community Support Facility	E	Civil Support Uses are limited by compliance with: • Minimum of 1 parking space for every 1000 square feet of Civil Support Use. • Minimum of 1 parking space for every 5 seats of assembly use. • Minimum of 1 parking space for every 5 slips of marine use. • ~~Adult Daycare -~~ Minimum of 1 space per staff member of adult daycare use.
Infrastructure and Utilities	E	
Major Facility	E	
Marina	E	
Public Parking	E	
Rescue Mission	E	
Transit Facilities	E	
~~i~~h. **Educational**		
Childcare	E	Educational Uses are limited by compliance with: • Minimum of 2 parking spaces for every 1,000 square feet of ~~E~~educational ~~U~~use. • ~~Childcare Facilities -~~ Minimum of 1 space per staff member of childcare use.
College/University	E	
Elementary School	E	
Learning Center	R	
Middle/High School	E	
Pre-School	R	
Research Facility	R	
Special Training/Vocational	E	

Key:

R = Allowed by Right.

E = Allowed by Exception: Granted after a public hearing.

Boxes with no designation signify Use prohibited.

Permitting shall be in compliance with the requirements established in *Chapter 5* – Permits and Development Approvals.

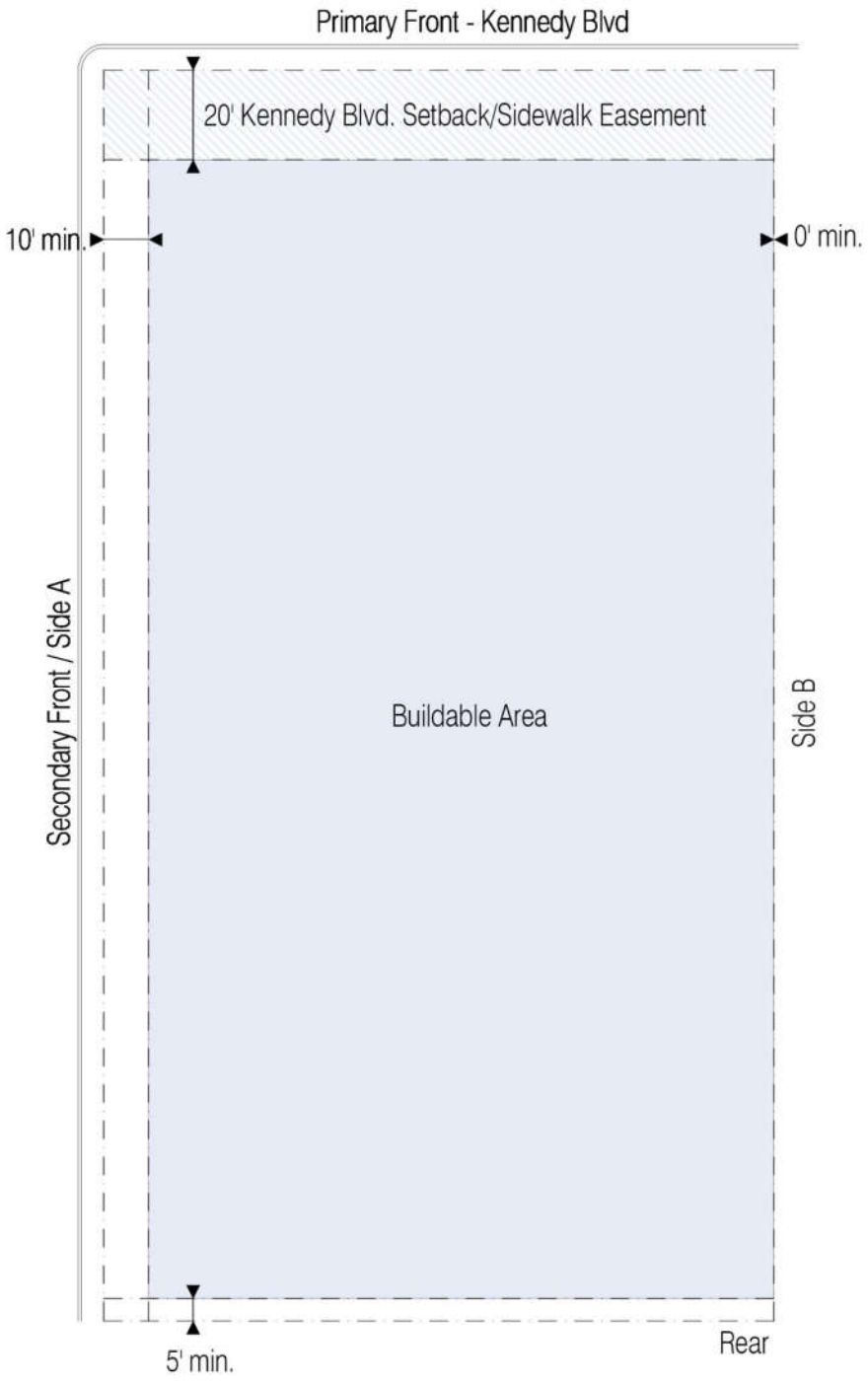
§ 15.7.B. Summary table and illustrations – T6-24 and T6-24MU (Municipal Use).

1. BUILDING DISPOSITION	
i. LOT OCCUPATION	
a. Lot Area	10,000 sf min.
b. Lot Width	100 ft. min.
c. Lot Coverage	90% max.
d. Floor Lot Ratio	~~N/A~~13.0
e. Frontage at Front Setback	70% min.
f. Open Space Requirement	10% Lot Area min.
g. Density with Bonus (1)	120 du/acre (see also *Sec. 15.2.H.*~~8.10.1.~~) †
h. Density with Bonus (2)	150 du/acre (see also *Sec. 15.2.H.*~~8.10.1.~~)
ii. BUILDING SETBACK	
a. Primary Front–Kennedy Cswy.	20 ft.
b. Primary Front – Waterfront	25 ft. min.
c. Secondary Front/Side A	10 ft. min.
d. Side B	0 ft. min
e. Rear	5 ft. min[1]
f. Stepback 1 (All Sides)	10 ft. min. above 5th Story
g. Stepback 2 (All Sides)	5 ft. min. above 15th Story
2. BUILDING CONFIGURATION	
i. FRONTAGE	
a. Common Lawn	Prohibited
b. Porch and Fence	Prohibited
c. Terrace	Prohibited
d. Forecourt	Allowed[2]
e. Stoop	Allowed[3]
f. Shopfront	Allowed
g. Gallery	Allowed
h. Arcade	Prohibited
ii. BUILDING HEIGHT	
a. Min. Building Height	2 Stories
b. Max. Pedestal Height	~~5~~10 Stories or 100 feet, whichever is less
c. Max. Building Height	30 Stories or 240 feet, whichever is less

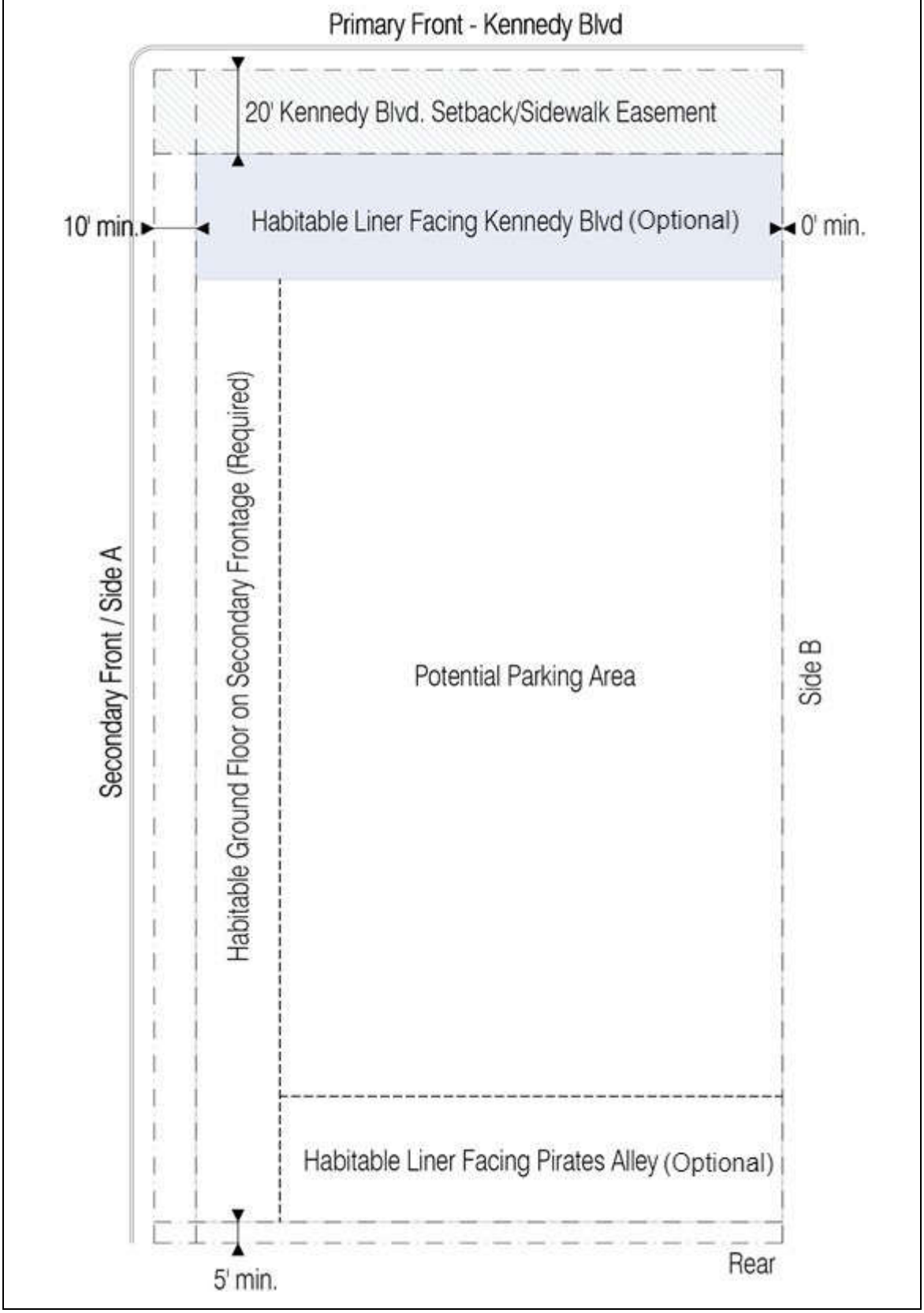
1. Rear setback shall be 15 ft. min. when not abutting an alley and shall be 50 ft. min. above the fifth Story when the rear lot line abuts a lower Transect Zone or RS-1, RS-2, or RM-40 Residential Zoning District.
2. Forecourts shall be pedestrian only.
3. Not allowed facing Kennedy Causeway.

† Note: Development approvals shall be valid for two years in accordance with Sec. 5.11 ~~these regulations following final approval by the Village Commission, unless otherwise approved by development order. Such site~~ Site plan may be ~~granted no more than two (2) one-year renewals, subject to approval by the Village Commission. To avoid expiration of the site plans, the applicant must apply for and obtain a full building permit within the time frames set forth above.~~ See *Section 15.2.H* for additional requirements.

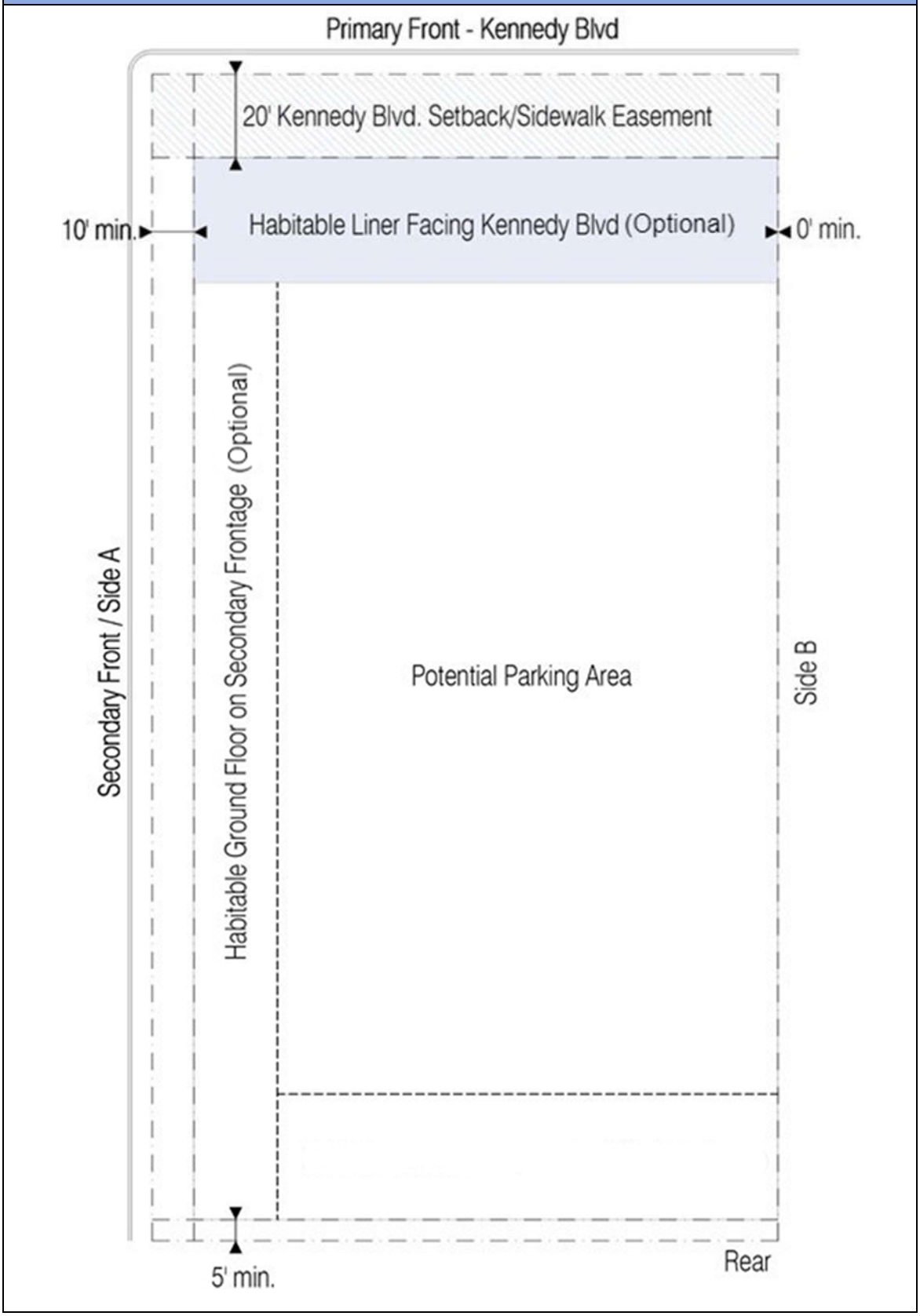
3. BUILDING PLACEMENT ILLUSTRATION – T6-24 & T6-24MU (Municipal Use).



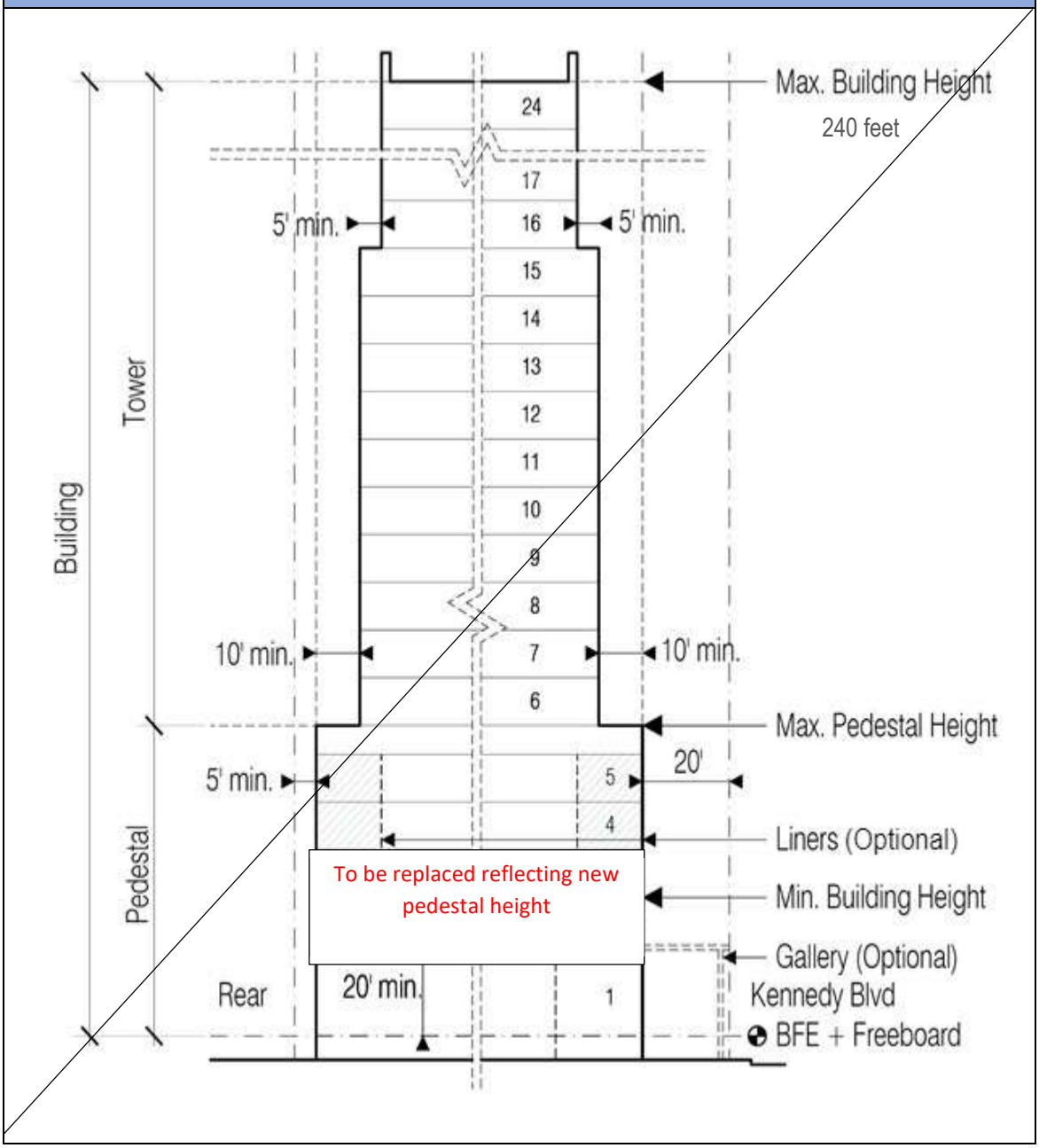
4. PARKING PLACEMENT ILLUSTRATION – T6-24.



4.1 PARKING PLACEMENT ILLUSTRATION – T6-24MU (MUNICIPAL USE)



5. BUILDING HEIGHT ILLUSTRATION – T6-24 & T6-24MU (MUNICIPAL USE).



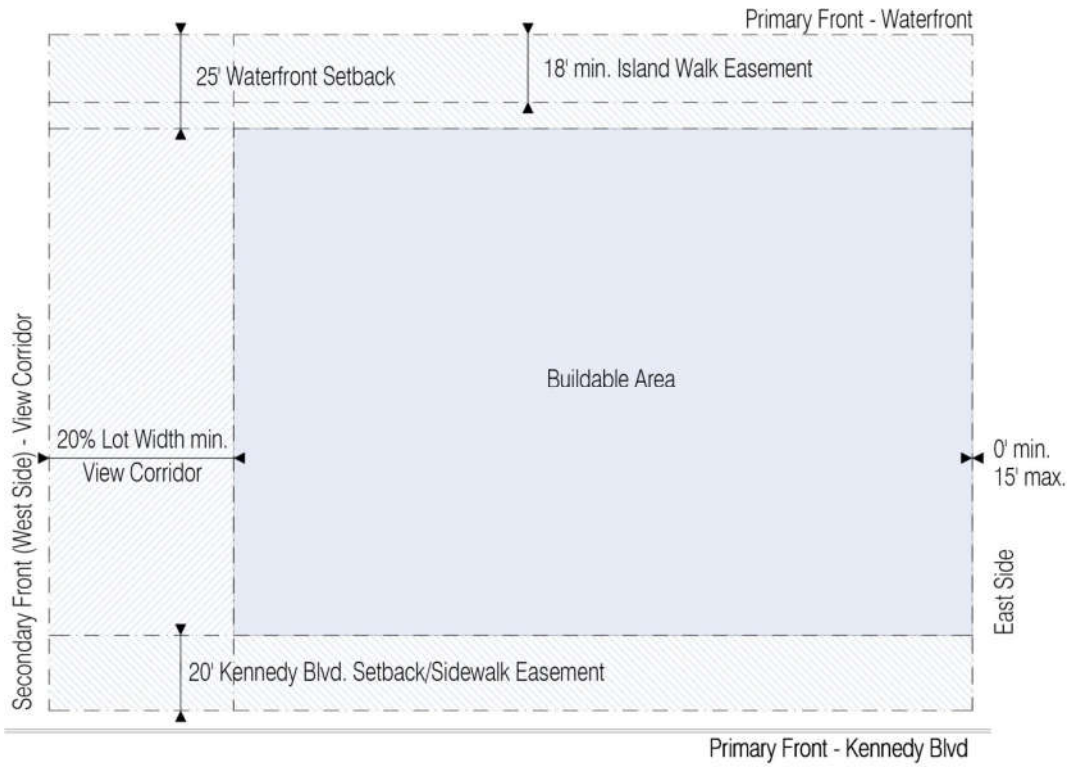
§ 15.7.C. Summary table and illustrations – T6-30.

1. BUILDING DISPOSITION	
i. LOT OCCUPATION	
a. Lot Area	10,000 sf min.
b. Lot Width	100 ft. min.
c. Lot Coverage	75% max.
d. Floor Lot Ratio	~~N/A~~13.0
e. Frontage at Front Setback	70 % min. (measured for overall frontage)
f. Open Space Requirement	10% Lot Area min.
g. Density with Bonus (1)	120 du/acre (see also *Sec. 15.2.H.*~~8.10.1~~) †
h. Density with Bonus (2)	150 du/acre (see also *Sec. 15.2.H.*~~8.10.1~~)
ii. BUILDING SETBACK	
a. Primary Front – Kennedy Cswy.	20 ft.
b. Primary Front – Waterfront	25 ft. min.
c. Side West (View Corridor)	20% of Lot Width min.
d. Side East	0 ft. min. - 15 ft. max.
e. Stepback (Kennedy Causeway and Side Yards; Optional Stepback in Waterfront Yard – see *Building Height Illustration)*	10 ft. min. above the 5th Story
2. BUILDING CONFIGURATION	
i. FRONTAGE (Kennedy Causeway)	
a. Common Lawn	Prohibited
b. Porch and Fence	Prohibited
c. Terrace	Prohibited
d. Forecourt	Allowed[1]
e. Stoop	Allowed[2]
f. Shopfront	Allowed
g. Gallery	Required
h. Arcade	Allowed (Replaces Gallery)
i. Habitable Liners	Optional
ii. BUILDING HEIGHT	
a. Min. Building Height	2 Stories
b. Max. Pedestal Height	~~5~~10 Stories or 100 feet, whichever is less
c. Max. Building Height	30 Stories or 340 feet, whichever is less

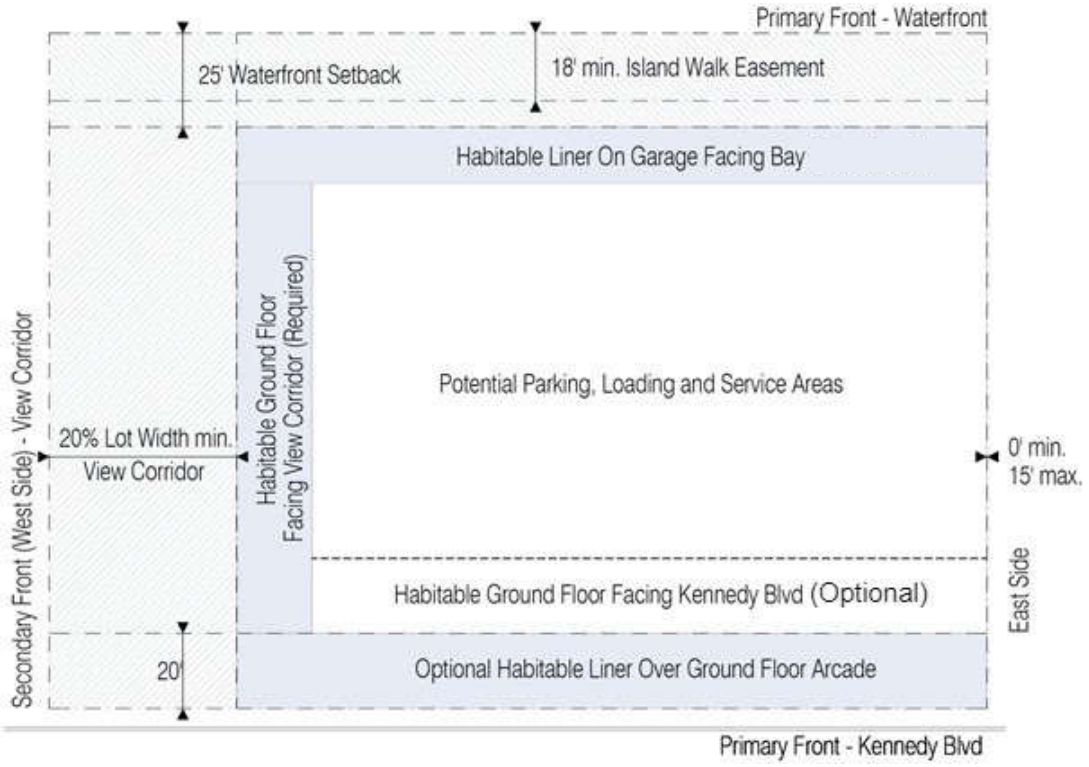
1. Forecourts shall be pedestrian only.
2. Not allowed facing Kennedy Causeway

† Note: Development approvals shall be valid for two years in accordance with Sec. 5.11 of the ULDC. ~~these regulations following final approval by the Village Commission, unless otherwise approved by development order. Such site~~ Site plan ~~may be granted no more than two (2) one-year renewals, subject to approval by the Village Commission. To avoid expiration of the site plans, the applicant must apply for and obtain a full building permit within the time frames set forth above.~~ See *Section 15.2.H* for additional requirements.

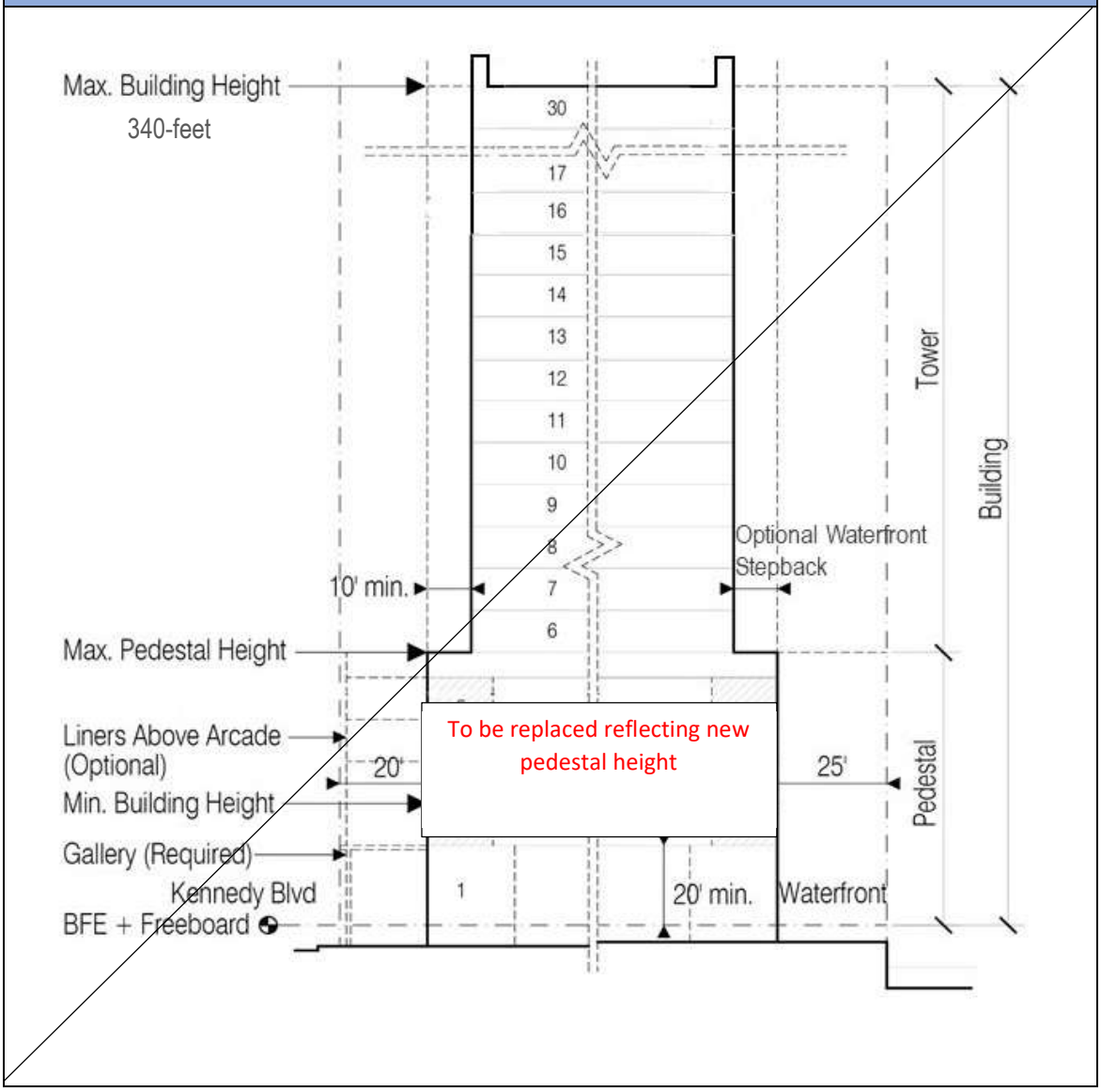
3. BUILDING PLACEMENT ILLUSTRATION – T6-30



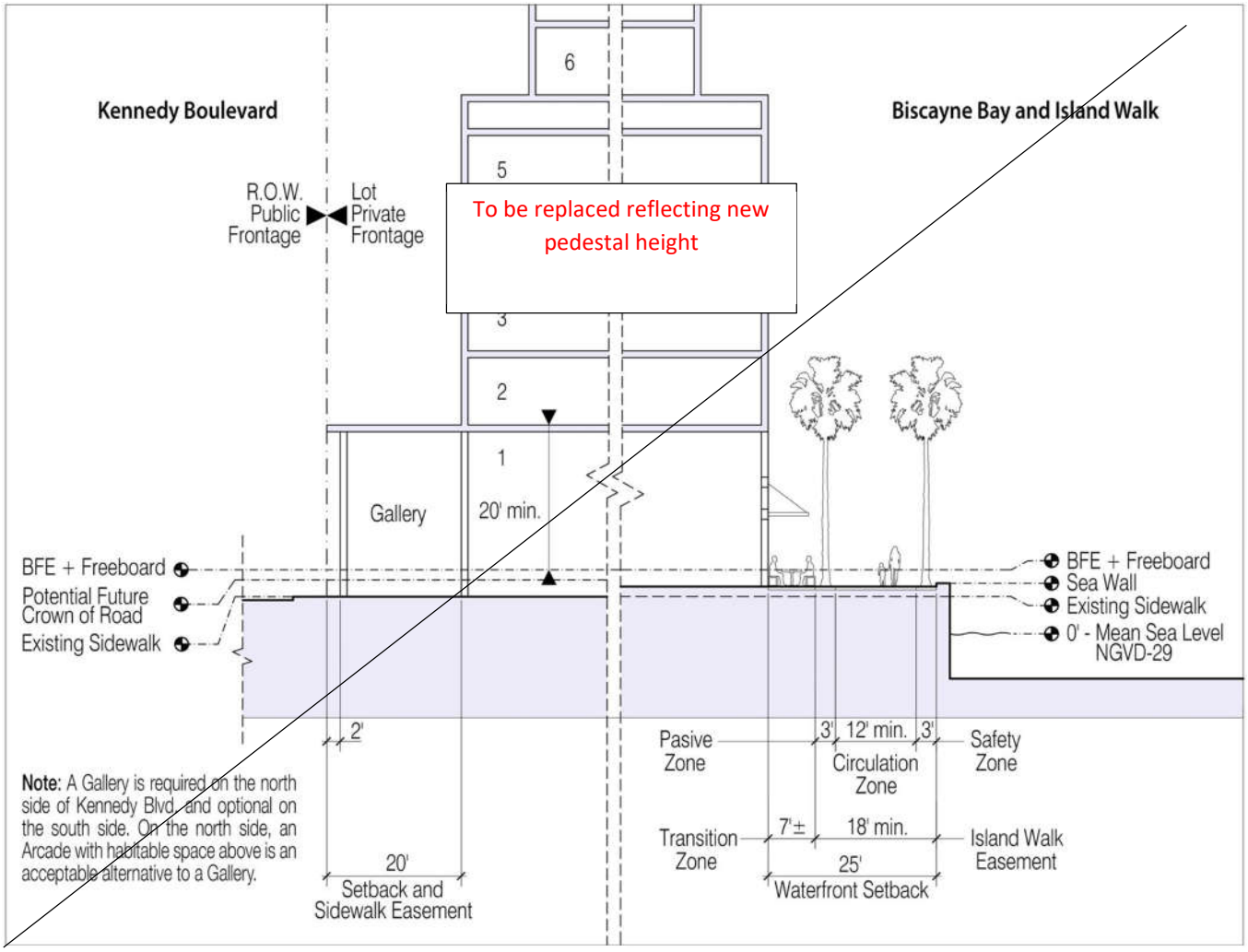
4. PARKING PLACEMENT ILLUSTRATION – T6-30



5. BUILDING HEIGHT ILLUSTRATION – T6-30



§ 15.7.D. Section detail illustration – T6.



§ 15.7.E. Building function (Uses) and parking requirements - T3. [Reserved]

§ 15.7.F. Summary table and illustrations – T3. [Reserved]

§ 15.7.G. Summary table and illustrations - T4. [Reserved]

§ 15.7.H. Summary table and illustrations - T5. [Reserved]

§ 15.7.I Design review criteria table.

DESIGN REVIEW CRITERIA
Building Disposition
Respond to the physical context taking into consideration natural features, existing urban form, and *Transect Zone* intentions.
For *Buildings* on Corner Lots, design *Façades* to acknowledge all *Frontages.*
For modifications of nonconforming Structures. See also *Ch. 6.*
Create transitions in *Height* and mass with Abutting properties and Transect Zones.
Building Configuration
Articulate the Building Façade vertically and horizontally in intervals appropriate to the existing Neighborhood and Transect Zone.
Articulate the Building Façade at street level to recognize pedestrian continuity and interest, and at upper levels to recognize long views of Buildings.
Use architectural styles and details (such as roof lines and fenestration), colors and materials derivative from surrounding area.
Promote pedestrian interaction.
Design all walls as active Façades, with doors and windows; when not possible, embellish walls with architectural design treatment.
Provide usable *Open Space* that allows for visible and convenient pedestrian access from the public sidewalk.
Building sites should locate service elements, such as trash dumpsters, utility meters, loading docks, backflow preventers, siamese connections and electrical, plumbing, mechanical and communications equipment away from a street front. All service elements shall be situated and screened from view to the street and adjacent properties. See also *Ch. 8, Division 4 – Supplemental Development Standards.*
Building Function & Density
Respond to the Neighborhood context and Transect Zone.
Parking Standards
Minimize the impact of automobile parking and driveways on the pedestrian environment and adjacent properties.
For pedestrian and vehicular safety minimize conflict points such as the number and width of driveways and curb cuts.
Minimize off-street parking adjacent to a thoroughfare front and where possible locate parking behind the Building.
Design landscaping or surface parking areas as buffers between dissimilar *Uses.*
Screen parking garage structures with *Habitable Space*. Where Habitable Space is not provided, architectural treatments and landscaping shall screen the garage structure.

Landscape Standards
Preserve existing vegetation and/or geological features whenever possible.
Reinforce Transect Zone intention by integrating landscape and hardscape elements.
Use landscaping to enhance Building design and continuity of *Streetscape.*
Use landscape material, such as plantings, trellises, pavers, screen walls, planters, and similar features, to enhance building design and continuity of Streetscape.
Provide landscaping that screens undesirable elements, such as surface parking lots, and that enhances open space and architecture.
Sign Standards
Provide signage appropriate for the scale and character of the establishment and immediate Neighborhood.
Signage shall be within calculated aggregate area appropriate for Transect Zone.
Number of Signs for an establishment shall not exceed the allowable amount per linear Frontage.
Monument Signs shall be located within the appropriate *Setback* and not to disrupt pedestrian activity.
Illumination and other lighting effects shall not create a nuisance to adjacent property or create a traffic hazard.
Ambient Standards
Provide lighting appropriate to the Building and landscape design in a manner that coordinates with signage and street lighting.
Orient outdoor lighting to minimize glare to the public realm and adjacent properties.
Protect residential areas from excessive noise, fumes, odors, commercial vehicle intrusion, traffic conflicts and the spillover effect of light.

McClatchy

The Beaufort Gazette
The Belleville News-Democrat
Bellingham Herald
Centre Daily Times
Sun Herald
Idaho Statesman
Bradenton Herald
The Charlotte Observer
The State
Ledger-Enquirer

Durham | The Herald-Sun
Fort Worth Star-Telegram
The Fresno Bee
The Island Packet
The Kansas City Star
Lexington Herald-Leader
The Telegraph - Macon
Merced Sun-Star
Miami Herald
El Nuevo Herald

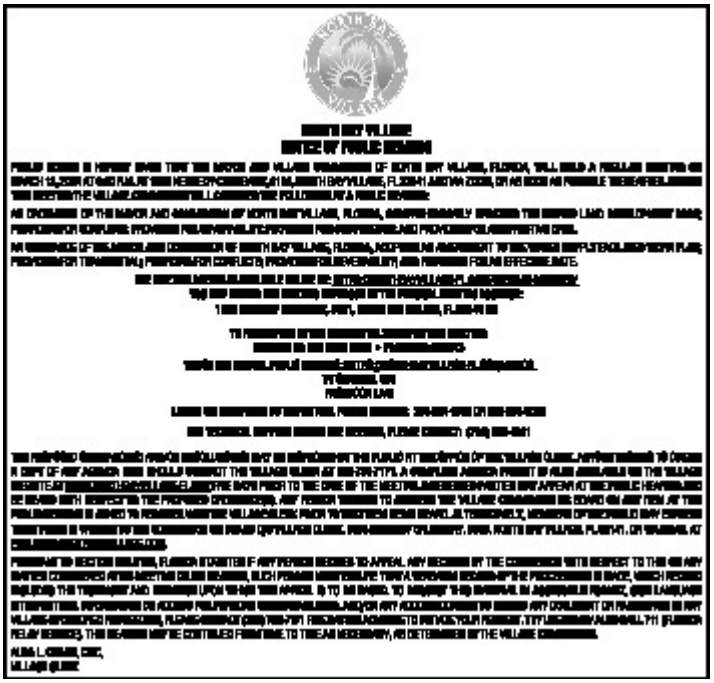
The Modesto Bee
The Sun News - Myrtle Beach
Raleigh News & Observer
Rock Hill | The Herald
The Sacramento Bee
San Luis Obispo Tribune
Tacoma | The News Tribune
Tri-City Herald
The Wichita Eagle
The Olympian

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Amount	Cols	Depth
31421	524260	Neighbors North Notice of Public Meeting	Notice of Public Meeting	$640.00	3	4.68 in

Attention: Alba Chang
CITY OF NORTH BAY VILLAGE
1666 KENNEDY CAUSEWAY #300
North Bay Village, FL 33141

villageclerk@nbvillage.com



PUBLISHED DAILY
MIAMI-DADE-FLORIDA

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

Before the undersigned authority personally appeared: Stefani Beard, who on oath says that he/she is CUSTODIAN OF RECORDS of The Miami Herald, a daily newspaper published at Miami in Miami-Dade County, Florida; that the attached copy of the advertisement that was published was published in said newspaper in the issue(s) of:
Publication: Neighbors
2 insertion(s) published on:
03/03/24

Affiant further says that the said Neighbors is a newspaper published at Miami, in the said Miami-Dade County, Florida and that the said newspaper has heretofore been continuously published in said Dade County, Florida each day and has been entered a second class mail matter at the post office in Miami, in said Miami-Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid or promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper(s).

Stefani Beard

Sworn to and subscribed before me this 4th day of March in the year of 2024

Stephanie Hatcher

Notary Public in and for the state of Texas, residing in Dallas County

STEPHANIE HATCHER
My Notary ID # 133534406
Expires January 14, 2026

Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!

ITEM NO. 14.A

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Delroy Peters, Engineer / CIP Manager

SPONSORED BY: Commissioner Rachel Streitfeld

SUBJECT: A Resolution Accepting the Adaptation Plan as Defined in the Vulnerability Assessment Report Conducted BCC Engineering, LLC - *Sponsored by Commissioner Rachel Streitfeld*

RECOMMENDATION

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ADOPTING THE VILLAGE'S VULNERABILITY ASSESSMENT REPORT AND ADAPTATION PLAN; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission adopt the Village Vulnerability Assessment Report and Adaption Plan.

BACKGROUND AND ANALYSIS

History/Background

Due to its location within Biscayne Bay and changing climate conditions, the Village is vulnerable to rising sea levels, rising groundwater, increased rainfall amounts, and threats from stronger hurricanes and storm surges. Furthermore, the Village has aging and low-elevation seawalls, deteriorating and non-functioning stormwater infrastructure, and a limited stormwater capital improvement plan (CIP). The Village regularly experiences sunny-day flooding and standing water after normal rainfall events, and it receives heavy storm surge flooding.

Scope of Project

As part of the 2021 regular session, the Florida Legislature recognized that the state is particularly vulnerable to adverse impacts from flooding resulting partly from the increased frequency and duration of rainfall events, storm surges from more frequent severe weather systems, and sea-level/groundwater rise. The Florida Legislature further recognized that Vulnerability Assessments (VAs) are necessary to determine the specific risks posed to the state comprehensively. These risks are caused by flooding and sea-level/groundwater rise, and a statewide coordinated approach is required to address such risks. The Florida Department of Environmental Protection (FDEP) established the Resilient Florida (RF) Grant Program to facilitate these assessments. This initiative authorizes the FDEP to provide grants to local governments to fund community resilience planning costs and set forth requirements for specific local government vulnerability assessments.

The Village developed a Stormwater Master Plan (SWMP) in 2022 to protect the critical infrastructure and increase overall community resilience. This report included proposed improvements to achieve flood reduction for 2060 conditions. The alternatives analyzed included new pressurized drainage systems, additional pump stations, raising of the roadways and seawalls, and backflow prevention devices, among others. The estimated groundwater rise for these projections is from the study “Hydrologic Conditions in Urban Miami-Dade County, Florida and the Effect of Groundwater Pumpage and Increased Sea Level on Canal Leakage and Regional Groundwater Flow, version 1.2 July 2016”.

The Village retained BCC Engineering, LLC (BCC) through a contracted Continuing Professional Engineering Services Agreement (RFQ 2019-005 – General Professional Engineering and Architectural Services) to develop a more comprehensive VA. This assessment developed the study in accordance with the requirements set forth in s. 380.093 F.S. It includes an analysis of the impacts of sea-level rise, groundwater rise, and increased rainfall amounts on all regionally significant assets within the Village limits. The assessment utilized the most recent publicly available data and the latest hydrologic and hydraulic (H&H) model developed in the 2022 SWMP update.

Project Status

The Vulnerability Assessment is complete, and a draft presentation are available for review, comments, and adoption by the Village Commission. BCC's VA report is attached as NBV_VA_Report Draft and the presentation as Vulnerability Assessment Final Presentation.

The report’s conclusions are:

1. The Vulnerability Assessment shows that during the 2040 and 2070 planning horizons, most of the Village’s critical assets will be impacted.
2. Implementing the proposed stormwater improvement projects using a 2060 high sea-level rise scenario will eliminate the impacts of the 2070 intermediate high projected sea-level rise.

Recommendation

The Vulnerability Assessment proposed Adaptation Plan findings should be adopted to support the Village in obtaining grants to implement the stormwater master plan improvement projects.

Project Funding

No funding is required under this item.

Approval of this item will help make North Bay Village safer and more livable, promoting the pillar of Livability.

Livability By centering on people – residents, business owners, and visitors – North Bay Village will become a more attractive place to work, live and do business.
The NBV100 Livability pillar puts the focus on placemaking in four ways:
• Prioritizing people over cars,
• Embracing the waterfront,
• Improving the quality of life, and
• Refreshing the NBV identity.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ATTACHMENTS
Resolution Adopting The Village's VA Report -Adaptation Plan.DOCX
NBV_VA_Report Draft.pdf
Vulnerability Assessment Final Presentation.pdf

RESOLUTION NO. 2024- _____

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, ADOPTING THE VILLAGE'S VULNERABILITY ASSESSMENT REPORT AND ADAPTATION PLAN; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, North Bay Village ("Village") issued Request for Qualifications No. 2019-005 (the "RFQ") for continuing general professional engineering and architectural services (the "Services"); and

WHEREAS, on October 15, 2019, the Village Commission adopted Resolution No. 2019-061 approving the rankings of respondents to the RFQ and authorizing the Village Manager to negotiate an agreement with BCC Engineering, LLC (the "Consultant"), as one of the top-ranked Consultants; and

WHEREAS, on December 13, 2022, the Village Commission adopted Resolution No. 2022-102, authorizing the Village Manager to issue a work order to the Consultant relating to the development of the Village's Vulnerability Assessment Report and Adaptation Plan (the "Plan"); and

WHEREAS, the Consultant has completed the Plan for delivery and implementation, and staff respectfully recommends that the Village Commission adopt the Plan, a copy of which is on file with the Village Clerk's office; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. Adoption. That the Village Commission hereby adopts the Plan prepared by the Consultant.

Section 3. Effective Date. That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by _____ who moved its adoption. The motion was seconded by _____ and upon being put to a vote, the vote was as follows:

Mayor Brent Latham _____
Vice Mayor Richard Chervony _____
Commissioner Goran Cuk _____
Commissioner Andy Rotondaro _____
Commissioner Rachel Streitfeld _____

PASSED AND ADOPTED on this _____ day of _____, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Weiss Serota Helfman Cole & Bierman, PL
Village Attorney

Vulnerability Assessment (VA) Report Draft



February 2024

Prepared For:

North Bay Village
HEART OF THE BAY

1666 Kennedy Causeway, Suite 300
North Bay Village, FL 33141

Prepared By:

bcc engineering

6401 SW 87th Avenue, Suite 200
Miami, FL 33173

NORTH BAY VILLAGE

VULNERABILITY ASSESSMENT
2024
Professional Engineering Certificate

I hereby certify that I am a registered professional engineer in the State of Florida practicing with BCC Engineering LLC., a corporation, authorized to operate as an engineering business with Certificate of Authorization No. 7184, by the State of Florida, and that I have reviewed or approved the evaluation, findings, opinions, conclusions, or technical advice of this Vulnerability Assessment Report.

Project: NORTH BAY VILLAGE VULNERABILITY ASSESSMENT

Prepared for: North Bay Village

I acknowledge that the procedures and references used to develop the results contained in this Vulnerability Assessment Report are standard to the professional practice of engineering and planning as applied through professional judgment and experience.

Name: Victor H. Herrera, PE

PE License No: 71164

Signature: _____

BCC Engineering, LLC.
Certificate of Authorization No. 7184

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1.0 Executive Summary

1.1 Background

North Bay Village (Village) is a coastal municipality comprised of three (3) man-made islands. It is located in the northeast (NE) bounds of Miami-Dade County, situated directly east of the City of Miami's Belle Meade neighborhood, and just west (W) of Miami Beach's Normandy Isles community. The Village is surrounded by Biscayne Bay, which is an Outstanding Florida Water (OFW) and is also located within the Biscayne Bay Aquatic Preserve. The sole land-based ingress/egress to the Islands is via the John F. Kennedy Causeway (i.e., 79th Street Causeway), which traverses west to east through the center of the Village.

The three (3) Islands were originally formed through dredge and fill activities in the 1940s. North Bay Island (NBI) in the southwest was the first, followed by Harbor Island (HI) in the northwest and Treasure Island (TI) in the east. The Village now houses 8,000 residents across 665 acres, with approximately 234 acres of upland areas. Harbor Island, North Bay Island, and Treasure Island collectively comprise 46, 40, and 148 acres.

Due to its location within Biscayne Bay and changing climate conditions, the Village is vulnerable to rising sea levels, rising groundwater, increased rainfall amounts, and threats from strong hurricanes and storm surges. Furthermore, the Village has aging and low-elevation seawalls, deteriorating and non-functioning stormwater infrastructure, and a limited stormwater capital improvement plan (CIP). The Village regularly experiences sunny-day flooding, standing water after normal rainfall events, and receives heavy storm surge flooding.

The Village initially performed a Stormwater Master Plan (SWMP) in 2021 to establish a strategic plan to protect the Village's critical infrastructure, defend against decreasing property values, improve the quality of stormwater discharges to Biscayne Bay, and increase overall community resilience. As part of the SWMP the current flood protection level-of-service was identified within the Village by accounting for all existing stormwater management systems. In addition, the reduced FPLOS based on future drainage conditions for a specified sea-level/groundwater rise planning horizon was adapted, in accordance with the Southeast Florida Climate Change Compact (SEFCC).

To specifically protect the Village's critical assets and infrastructures, the Village retained BCC Engineering, LLC (BCC) through a contract to develop a comprehensive Vulnerability Assessment (VA). This VA study was completed in accordance with the requirements set forth in s. 380.093 F.S. The primary objective of the VA includes comprehensive analysis of the impacts of sea-level rise, groundwater rise, increased rainfall amounts, and storm surge conditions on all regionally significant assets within the Village limits. The assessment will utilize the most recent publicly available data along with the latest hydrologic and hydraulic (H&H) model developed

as part of the 2021 SWMP update. The Scope of Services for this vulnerability analysis was divided into the following key technical tasks:

- TM No. 1: Data Collection & Gap Analysis
- TM No. 2: Project coordination, Public Outreach & Stakeholder Engagement
- TM No. 3: Critical Asset Inventory
- TM No. 4: Exposure Analysis
- TM No. 5: Sensitivity Analysis
- TM No. 6: Identification & Ranking of Focus Area
- TM No. 7: Development of Adaptation Plan

These tasks are further explained in the sub-sections below.

1.2 Data Collection and Evaluation

Based on the FDEP standard vulnerability assessment work guidance document, four (4) critical asset categories must be considered in the analysis:

(1) **Transportation assets and evacuation routes**:

These assets include:

- Airports
- Bridges
- Bus terminals
- Ports
- Major roadways
- Marinas
- Rail facilities
- Railroad bridges

(2) **Critical infrastructure**:

These assets include:

- Wastewater treatment facilities and lift stations
- Stormwater treatment facilities and pump stations
- Drinking water facilities
- Solid and hazardous waste facilities

- Military installations
- Communications facilities
- Disaster debris management sites

(3) **Critical community and emergency facilities**:

These assets include:

- Schools
- Colleges
- Universities
- Community centers
- Correctional facilities
- Disaster recovery centers
- Emergency medical service facilities
- Emergency operation centers
- Fire stations
- Healthcare facilities
- Hospitals
- Law enforcement facilities
- Local government facilities
- Logistical staging areas
- Affordable public housing
- Risk shelter inventory
- State government facilities

(4) **Natural, cultural, and historical resources**:

These assets include:

- Conservation lands
- Parks
- Shorelines
- Surface waters
- Wetlands
- Historical and cultural assets

All available data throughout the Village were collected in accordance with s. 380.093, F.S. The VA focuses only on the significant Village-owned or maintained assets and infrastructure. Therefore, private, County, or Federal owned or maintained assets were excluded from this analysis unless they have significant impacts on the Village owned and maintained assets. Data was collected from a wide range of sources to support the development of the VA. The main sources of information were from the following agencies and entities:

- North Bay Village (Village)
- Miami-Dade County (County)
- Florida Department of Environmental Protection (FDEP)
- Florida Department of Transportation (FDOT)
- South Florida Water Management District (SFWMD)
- Southeast Florida Regional Climate Change Compact (SFRCCC)
- National Oceanic and Atmospheric Administration (NOAA)
- United States Geological Survey (USGS)
- United States Army Corps of Engineers (USACE)
- Natural Resources Conservation Service (NRCS)
- Federal Emergency Management Agency (FEMA)

The collected data was cataloged, evaluated, and utilized as needed to support the analyses and conduct the VA. The cataloged data is included in **Appendix A** for the Village. The provided data, along with computational hydraulic modeling, provided sufficient information to update the Village's VA.

1.3 Project Coordination

This chapter comprehensively records all project meetings, encompassing interactions with both Village staff and the broader public. The Vulnerability Assessment mandates a public outreach initiative to disseminate project information, objectives, and gather feedback. Task No. 2 concentrates on establishing clear goals, obtaining stakeholder feedback, and coordinating initial and final workshops, along with progress meetings. These engagements aim to communicate project status and gather valuable input. To streamline these meetings, the task involves preparing necessary documentation and equipment for a smooth exchange of ideas and insights.

Two public workshops were conducted with Village staff, providing community members with an overview of project objectives, current progress, and an avenue for feedback. Furthermore, one kick-off meeting, one

Sustainability and Resilience Task Force Meeting, and four progress meetings were facilitated between BCC and the Village to share project updates, collect feedback, and discuss upcoming tasks.

1.4 Critical Asset Inventory

All identified City-owned assets and infrastructures were collected and presented to City staff during a coordination meeting to obtain feedbacks and final refinements to the assets. The final list of the critical assets evaluated as part of this section was as follows:

(1) Transportation assets and evacuation routes:

- Village evacuation route:
  i. Major section and quarter roadways that is used to exit the Village.
- Village primary major roads:
  i. Major section and quarter roadways that lead to the evacuation roads.
- Bus routes, stops, and shelters:
  i. All Village maintained bus routes, stops, and shelters were selected.

(2) Critical infrastructure:

- Outfalls:
  i. Thirty-six (36) outfalls were identified within the Village.
- Sanitary Sewer Pump Station:
  i. Four (4) Sanitary Sewer Pump Stations within the Village were identified.

(3) Critical community and emergency facilities:

- City Hall:
  i. One (1) City Hall structure was identified within the Village. One (1) Future City Hall was also identified within the Village.
- Future Community Center:
  i. One (1) Future Community Center was identified within the Village.
- Health Facilities:
  i. One (1) Health Facility structure was identified within the Village.
- Schools:
  i. Four (4) school buildings within three (3) school zones were identified within the Village.

(4) Natural, cultural, and historical resources:

- Parks:
  i. Two (3) parks were identified within the Village.

The locations of the critical assets and infrastructure are represented in **Appendix I**.

1.5 Exposure Analysis

An exposure analysis provides information about the elements and critical assets that are in flood-prone areas or areas at risk of flooding, and the results are important as the basis for plans and interventions on preparedness, early warning, response recovery, and mitigation for decision-makers. For this purpose, a 1D/2D Hydrologic and Hydraulic (H&H) model that was developed for the NBV Stormwater Master Plan (SWMP) using the ICPRv4 model in 2021 was used as the basis of the model development for the exposure analysis. The exposure analysis was completed for three different timeframes: the current condition and two projected sea-level rise scenarios for two planning horizons:

- Current Conditions
- NOAA 2017 intermediate-low sea level rise projection for the year 2040
- NOAA 2017 intermediate-high sea level rise projection for the year 2040
- NOAA 2017 intermediate-low sea level rise projection for the year 2070
- NOAA 2017 intermediate-high sea level rise projection for the year 2070

Six (6) design storm events with an addition of a no rainfall event were considered in each scenario outlined above for the exposure analysis:

- 5-Year, 24-Hour design storm event
- 10-Year, 24-Hour design storm event
- 25-Year, 72-Hour design storm event
- 100-Year, 72-Hour design storm event
- 500-Year, 72-Hour design storm event
- 1000-Year, 72-Hour design storm event
- No Rainfall, 72-Hour design storm event

Moreover, the exposure analysis encompassed compound flooding scenarios, including storm surge conditions for Category 1 and Category 5 hurricanes, maintaining the same current and projected future planning horizons.

In this context, three (3) design storm events, including an additional event in the absence of rainfall, were considered for the compound exposure analysis:

- 100-Yar, 72-Hour design storm event
- 500-Year, 72-Hour design storm event
- 1000-Year, 72-Hour design storm event
- No Rainfall, 72-Hour design storm event

The analysis revealed a consistent increase in flood depths, transitioning from the current conditions to the Intermediate-Low SLR projection for the year 2040 and further progressing to the Intermediate-High SLR scenario for the year 2070. A consistent increase in flood depths was also observed in storm surge conditions, as sea levels rise over time. However, rainfall did not significantly affect flooding depth. These findings offer crucial insights for risk assessment and future planning in the Village.

1.6 Sensitivity Analysis

A sensitivity analysis provides an inventory of the Village's assets, such as structures and roadways, and quantifies and measures the impacts of sea level rise on the assets. The purpose of the sensitivity analysis was to measure the impact of flooding on assets, applying the data from the exposure analysis to the inventory of critical assets. The sensitivity analysis was performed to estimate the flooding condition on the critical Village assets for four (4) sea-level rise projections, including 2017 NOAA intermediate-low and intermediate-high sea level rise projections, in year 2040 and 2070, as well as storm surge conditions. The analysis was based on the Standard Vulnerability Assessment Guidance. This procedure employs a process developed as the Florida Department of Environmental Protection's Resilient Florida Program's standardized vulnerability assessment scope of work guidance. The analysis was based on the expected Level of Service (LOS) which helped the team to define the design storm event associated to each asset.

Three (3) levels of sensitivity were defined based on the flood depth in comparison to the asset type: "High", "Medium", and "Low" and were presented in three (3) colors:

- Red: High sensitivity
- Yellow: Medium sensitivity
- Green: Low sensitivity

To assess the buildings, a high sensitivity level was defined as flood exceeding FFE while a medium sensitivity was when the flood elevation varies between 0 to 0.5 ft. below FFE. On the other hand, if flood stage elevations

do not exceed 0.5 ft. below FFE then the asset was classified in the low sensitivity category. The sensitivity analysis for roadways and bus routes was defined by the depth and extent of the inundation over the roadways/routes. In turn the depth of flood is compared to the estimated bus stop elevations.

1.7 Identification and Ranking of Focus Area

To identify the most vulnerable flood-prone areas affecting the Village's critical assets, a comprehensive analysis of identification and ranking of focus areas was needed. This analysis helps pinpoint where adaptation efforts should focus. It also allows the community to assess these areas and helps the Village make informed decisions about adaptation strategies, with a focus on the most vulnerable spots.

The process of identification and ranking of focus area involves using data from the exposure analysis and critical asset inventory to understand asset significance and vulnerability to flooding. We developed a ranking methodology in collaboration with the Village that uses sensitivity analysis results to rank these areas, providing a clear mathematical basis for identifying the most severe flood-prone areas.

The area of the Village was divided into three Focus Areas: TI, HI, and NBI. This division enables a more focused analysis, helping the Village develop effective flood adaptation strategies and prioritize these areas to protect critical assets from flood impacts.

We ranked the delineated Focus Areas based on their vulnerability to flooding impacting the Village's critical assets across four sea level rise projections (2017 NOAA intermediate-low and intermediate-high in 2040 and 2070) and storm surge conditions. We used a modified ranking procedure from the 2019 SWMP subbasin ranking approach.

The ranking involves calculating a Flood Protection Severity Score (FPSS) for each Focus Area. A higher FPSS indicates greater vulnerability. The FPSS is determined by the number of assets (NA), their flooding severity (E) from sensitivity analysis (low, medium, high), and weighting factors (WF) for different asset types, established with Village staff's input.

The FPSS for each Focus Area is calculated using the following equation:

$$FPSS = \sum_{i=1}^{n}(NA_i \times E_i) \times WF_i$$

Where, NA_i is the number of assets in each asset type, E_i is the assigned exceedance value based on the asset sensitivity level (low, medium, and high) and WF_i is the assigned weighting factor to each asset type. Focus Areas with higher FPSS values should be prioritized for flood protection activities due to higher asset vulnerability.

To conduct our analysis, we converted all Village assets into point data within each Focus Area. We located the point data for structures and bus stops at the exact location of those assets. For area assets such as the school open area and parks, we converted them into point data located at the center of each asset. Roadway infrastructure segments were also converted into point data at the midpoint of each segment. We then assigned the exceedance factors (1 to 3) to the assets based on their sensitivity levels in Task 5, *Sensitivity Analysis*, in each SLR scenario and storm surge conditions.

The analysis reveals that TI Focus Area is the most vulnerable Focus Area to floods impacting the critical assets and infrastructures in all scenarios. Consequently, this Focus Area requires immediate action regarding stormwater management and flood control to protect the critical assets. Similarly, the HI and NBI Focus Areas rank as the second and third most vulnerable areas. However, it is important to note that while NBI is identified as the least vulnerable among the Focus Areas, the difference in mean FPSS values between NBI and HI in sea-level rise scenarios is not substantial. This highlights the importance of considering the protection of critical assets within the NBI and HI Focus Area.

In conclusion, these vulnerability rankings offer valuable guidance for local authorities to plan and prioritize flood control measures. Protecting critical infrastructure and ensuring public safety is of utmost importance in mitigating flood impact.

1.8 Development of Adaptation Plan

As the undeniable impacts of rising sea levels become increasingly apparent, coastal and non-coastal communities alike, along with critical infrastructures and ecosystems, are confronted with unprecedented challenges. Particularly in densely populated areas, the vulnerability is exacerbated, leading to frequent disruptions of daily activities due to escalating flooding events. Taking a proactive stance to address this issue, the development and implementation of adaptation plans for rising sea levels emerge as crucial elements in reducing the likelihood of future risks. These plans advocate for the adoption of strategic measures, including the construction of resilient infrastructure, the careful monitoring of coastal ecosystems, and the establishment of effective early warning systems. Community involvement and awareness are imperative throughout the entire process to ensure the comprehensive representation of every facet of the community.

Essentially, adaptation plans play a pivotal role in bolstering the resilience of coastal regions, safeguarding both current and future generations from the adverse effects of rising sea levels.

This chapter offers an overview of potential options that can be implemented to address future vulnerabilities, aligning with the guidelines set forth in the Florida Adaptation Planning Guidebook. The

adaptation strategies outlined in the Capital Improvement Plan (CIP), as endorsed by the Village Commission in 2022 for the Stormwater Master Plan (SWMP), are scrutinized as pertinent protective measures to mitigate future flood conditions within the islands.

2.0 Introduction

2.1 Background

North Bay Village (Village) is a coastal municipality comprised of three (3) man-made islands. It is located in the northeast (NE) bounds of Miami-Dade County, situated directly east of the City of Miami's Belle Meade neighborhood, and just west (W) of Miami Beach's Normandy Isles community (See **Figure 2-1)**. The Village is surrounded by Biscayne Bay, which is an Outstanding Florida Water (OFW) and is also located within the Biscayne Bay Aquatic Preserve. The sole land-based ingress/egress to the Islands is via the John F. Kennedy Causeway (i.e., 79th Street Causeway), which traverses west to east through the center of the Village.



Figure 2-1. Project Location

The Village currently has a population of approximately 8,000 residents and encompasses an area of 0.97 square miles (+/- 665 acres). Within the bounds of the Village, upland areas amount to about 0.365 square miles (+/- 234 acres), of which HI, North Bay Island, and Treasure Island account for nearly 46, 40, and 148 acres, respectively.

Due to its location within Biscayne Bay and changing climate conditions, the Village is vulnerable to rising sea levels, rising groundwater, increased rainfall amounts, and threats from stronger hurricanes and storm surges. Furthermore, the Village has aging and low-elevation seawalls, deteriorating and non-functioning stormwater infrastructure, and a limited stormwater capital improvement plan (CIP). The Village regularly experiences sunny-day flooding, standing water after normal rainfall events, and receives heavy storm surge flooding.

2.2 Purpose and Scope

The Florida Legislature meets in session every year for 60 consecutive days. A regular session of the legislature shall convene on the first Tuesday after the first Monday in March of each odd-numbered year and on the second Tuesday after the first Monday in January of each even-numbered year. As part of the 2021 regular session, the Florida Legislature recognized that the state is particularly vulnerable to adverse impacts from flooding resulting in part from the increased frequency and duration of rainfall events, storm surges from more frequent severe weather systems, and sea-level/groundwater rise. The Florida Legislature further recognized that Vulnerability Assessments (VAs) are necessary to comprehensively determine the specific risks posed to the state. These risks are caused by flooding and sea-level/groundwater rise, and a statewide coordinated approach is required to address such risks.

To facilitate these assessments, the Florida Department of Environmental Protection (FDEP) established the Resilient Florida (RF) Grant Program. This initiative authorizes the FDEP to provide grants to local governments to fund the costs of community resilience planning and to set forth requirements for certain local government vulnerability assessments.

The Village developed a Stormwater Master Plan (SWMP) in 2022 to protect the critical infrastructure and increase overall community resilience. This report included proposed improvements aimed at achieving flood reduction for the year 2060 conditions. The alternatives analyzed included new pressurized drainage systems, additional pump stations, the raising of roadways and seawalls, and backflow prevention devices, among others. The estimated groundwater rise used for these projections is from the study “Hydrologic Conditions in Urban Miami-Dade County, Florida and the Effect of Groundwater Pumpage and Increased Sea Level on Canal Leakage and Regional Groundwater Flow, version 1.2 July 2016”.

The Village has retained BCC Engineering, LLC (BCC) through a contracted Continuing Professional Engineering Services Agreement (RFQ 2019-005 – General Professional Engineering and Architectural Services) to develop a more comprehensive VA. The intent of this assessment will be to develop the study in accordance with the requirements set forth in s. 380.093 F.S. It will include analyzing the impacts of sea-level rise, groundwater rise, and increased rainfall amounts on all regionally significant assets within the Village limits. The assessment will utilize the most recent publicly available data along with the latest hydrologic and hydraulic (H&H) model developed as part of the 2022 SWMP update.

The scope of work for this project was subdivided into eight (8) tasks, with the final tasks consisting of preparing the draft and final version of the VA report. A summary of the tasks is provided below:

- **Task 1 – Data Collection & Gap Analysis**
    - *Request and collect readily available data from the Village and various other governmental agencies/entities to support the vulnerability assessment.*
    - *Identify data gaps in accordance with the vulnerability assessment requirements outlined in s. 380.093, F.S., which includes gathering the data required to fill those gaps.*
    - *Develop a data catalog for all collected information.*
- **Task 2 – Project coordination, Public Outreach & Stakeholder Engagement**
    - *Includes public outreach to advance the public information program on the project, share project goals, and solicit feedback/input from the public and key stakeholders throughout the project's duration.*
    - *Determine goals and objectives, acquire specific directions and feedback, and provide project updates.*
    - *Create a project outreach plan to determine target audiences/key stakeholders, outline project objectives, identify planning goals, identify relevant assets, and create appropriate information distribution lists.*
    - *Plan an initial and final workshop, including one (1) commission meeting presentation and one (1) presentation to the Sustainability and Resilience Task Force or similar committee to share the goals of the project and solicit input from the public and stakeholders.*
    - *Prepare necessary documentation and equipment for public meetings, such as agendas, name tags, sign-in sheets, comment cards, posters/exhibits, minutes, and other pertinent project information.*
- **Task 3 – Critical Asset Inventory**
    - *Includes preparing and/or updating the inventory of critical and regionally significant assets based on the findings of the gap analysis and coordinating stakeholder engagement.*
    - *Review critical facilities and create and/or update asset inventories in accordance with F.S. 380.093.*
    - *Prepare applicable Geographic Information Systems (GIS) shapefiles in accordance with the GIS Data and Metadata standards for Resilient Florida Planning Grants.*
- **Task 4 – Exposure Analysis**
    - *Includes model developments as part of the Stormwater Master Plan (SWMP) completed in 2022 to perform an exposure analysis in accordance with guidelines set forth in s. 380.093, F.S.*
    - *Conduct an exposure analysis to determine the depth of water caused by rainfall and tidal-induced flooding for four (4) design storm events using different sea-level/groundwater rise scenarios.*
    - *Mapping the spatial extent of flooding throughout the Village using the scenarios and standards outlined in s. 380.093, F.S. Two (2) planning horizons will be evaluated in the years 2040 and 2070 using both the 2017 NOAA intermediate-low and intermediate-high sea-level rise projection curves.*

  - *Prepare applicable GIS shapefiles and depth of flooding maps in accordance with the GIS Data and Metadata standards for the Resilient Florida Planning Grants.*

- **Task 5 – Sensitivity Analysis**
  - *Includes performance of a sensitivity analysis in accordance with the guidelines outlined in F.S. 380.093.*
  - *Evaluate the impact of flooding on assets by applying the data/results from the exposure analysis to the critical asset inventory created in Task 3.*
  - *Prepare applicable GIS shapefiles in accordance with the GIS Data and Metadata standards for Resilient Florida Planning Grants.*
- **Task 6 – Identification & Ranking of Focus Areas**
  - *Includes identifying and ranking vulnerable areas of significant flooding in order to determine which areas require the development of adaptation strategies.*
- **Task 7 – Development of Adaptation Plan**
  - *Includes developing planning level adaptation and implementation strategies for vulnerable focus areas, as defined in Task 6, within a reasonable timeframe.*
  - *Identify and assess the impacts that are likely to affect the planning area, develop goals and planning-level actions to best minimize these impacts, and establish a process to implement those actions.*
  - *Assess adaptive capacities, prioritize adaptation needs, identify adaptation strategies, and integrate actions into existing plans.*
  - *Develop an Adaptation Plan based on a planning-level effort and will not include any conceptual design.*
  - *Advice for adaptation strategies to address sea-level and groundwater rise, taking into account the need for future studies to determine the details of proposed adaptation projects, completion timelines, cost estimates, and priorities.*
- **Task 8 – Final Vulnerability Assessment (VA) Report**
  - *Includes compiling the Technical Memorandums outlined in Tasks 1 through 7 into a single complete draft of the Vulnerability Assessment Report in accordance with the guidelines outlined in s. 380.093, F.S.*

The results and findings of critical tasks will be summarized into seven (7) task-specific Technical Memorandums (TM). The TMs to be prepared as part of this VA are as follows:

- **TM No. 1:** *Data Collection & Gap Analysis*
- **TM No. 2:** *Project coordination, Public Outreach & Stakeholder Engagement*
- **TM No. 3:** *Critical Asset Inventory*
- **TM No. 4:** *Exposure Analysis*
- **TM No. 5:** *Sensitivity Analysis*

- **TM No. 6:** *Identification & Ranking of Focus Area*
- **TM No. 7:** *Development of Adaptation Plan*

3.0 Data Collection and Gap Analysis

3.1 Background

The first task of the VA was to collect, organize, and review all information relevant to the study area and project scope. More specifically, BCC researched and compiled the applicable data that is needed to perform the VA, based on the requirements set forth in s. 380.093, F.S. Accordingly, three (3) main categories of data were collected, which consisted of the following:

1) Critical and regionally significant assets
2) Topographic data
3) Flood scenario-related data

The information that was collected included, but was not limited to, GIS data, H&H (ICPRv4) model files, record drawings/as-builts, permitting information, private/public utility data, prior engineering evaluations, and documentation of flooding conditions (i.e., photos, videos, etc.). This data was collected from various entities having jurisdiction over the project area or maintaining data within and around the Village limits. A catalog of all the available data collected is summarized in **Appendix A**. The following sub-sections provide additional details on the three (3) main data categories that are needed to successfully complete the VA.

3.1.1 Critical and Regionally Significant Assets

The critical and regionally significant assets include four (4) categories, which consist of:

- Transportation assets & evacuation routes
- Critical infrastructures
- Critical community & emergency facilities
- Natural, cultural, & historical assets

The above asset types are described in more detail below. It should be noted that not all asset types are applicable within the Village limits.

I. Transportation assets and evacuation routes include airports, bridges, bus terminals, ports, major roadways, marinas, rail facilities, and railroad bridges.

II. Critical infrastructure includes wastewater treatment facilities, wastewater lift stations, stormwater treatment facilities, stormwater treatment pump stations, drinking water facilities, solid and hazardous waste facilities, military installations, communications facilities, and disaster debris management sites.

III. Critical community and emergency facilities, include schools, colleges, universities, community centers, correctional facilities, disaster recovery centers, emergency medical service facilities, emergency operation centers, fire stations, health care facilities, hospitals, law enforcement facilities, local

government facilities, logistical staging areas, affordable public housing, risk shelter inventory, and state government facilities.

IV. Natural, cultural, and historical resources, include conservation lands, parks, shorelines, surface waters, wetlands, and historical and cultural assets.

3.1.2 Topographical Data

The topographical information includes two (2) data categories, which consist of the following:

- Survey data
- LiDAR, digital elevation model (DEM) data

The above data types are described in more detail below. It should be noted that not all data types are applicable within the Village limits.

I. Survey data includes information that can be sourced from Florida Division of Emergency Management (FDEM) Florida Elevation Certificates, locally sourced county and municipality data of Finished First Floor Elevations (FFEs), and roadway crests for selected critical assets.

II. LiDAR, digital elevation model (DEM) data, includes information that can be sourced from National Oceanic and Atmospheric Administration's (NOAA) National Centers for Environmental Information (NCEI) DEM, U.S. Interagency Elevation Inventory, USGS National Elevation Dataset, Florida Geospatial Open Data, local water management district GIS hubs, locally sourced county, and municipality data.

3.1.3 Flood Scenario-Related Data

The flood scenario-related data categories are provided below, along with their descriptions. It should be noted that most of this information was previously collected and processed as part of the 2022 SWMP update. As such, most of this data will be reused for this VA. It is again noted that not all data types shown will be applicable to the H&H modeling effort for this project.

I. Precipitation data, include rainfall information for various design storm events that can be sourced from NOAA's Atlas 14, local water management districts (WMD), United States Geological Survey (USGS), and Florida Flood Hub. The USGS and Florida International University (FIU) have developed change factor values that can be applied to NOAA Atlas 14 distribution curves to account for future climate variability in south and central Florida. This approach will be used to capture the changes in precipitation for future conditions models.

II. Groundwater level data include groundwater information that can be sourced from FDEP via the generalized well information system (GWIS). In addition, potentiometric surface maps can be accessed from online sources made available by USGS along with the local WMD.

III. Sea-level rise (SLR) projections, include NOAA's 2017 intermediate-low and intermediate-high SLR projections for 2040 and 2070. This can be accessed directly from NOAA or using the USACE's sea-level change curve calculator.

IV. Tidal datums and tidal flooding, include tidal data that can be sourced from NOAA's tides and currents website, as well as NOAA's digital coast SLR viewer and Florida Flood Hub.

V. Storm surge includes flood depth grids and water surface elevation grids that can be obtained from the Federal Emergency Management Agency (FEMA). Additional sources include the National Hurricane Center's (NHC) Sea, Lake, and Overland Surges from Hurricanes (SLOSH) model and USACE Coastal Hazards System South Atlantic Coastal Study (SACS).

VI. Land use data, include data on previous/impervious areas based on land use/land cover classifications. This data is generally maintained by local WMDs, counties, and municipalities. Of important note is the collecting of future land use changes, which directly affect increases or decreases in runoff volumes. Future land use can be obtained through the University of Florida (UF) GeoPlan Center, which has collaborated with the Florida Department of Transportation (FDOT) to produce future land cover data for the entire state. Moreover, municipalities generally have future land use information for areas within their jurisdiction to facilitate respective master planning efforts.

VII. Evapotranspiration data include information on evapotranspiration (ET) losses, which influence antecedent soil moisture content preceding a rain event. This is of particular importance for continuous simulations and can significantly influence flood peaks. However, for shorter-duration design storm events, ET losses are typically not as critical.

3.2 Data Sources

Data was requested and/or obtained from the Village, county, state, and federal agencies, which are listed below:

- North Bay Village (Village)
- Miami-Dade County (County)
- Florida Department of Environmental Protection (FDEP)
- Florida Department of Transportation (FDOT)
- South Florida Water Management District (SFWMD)
- Southeast Florida Regional Climate Change Compact (SFRCCC)

- National Oceanic and Atmospheric Administration (NOAA)
- United States Geological Survey (USGS)
- United States Army Corps of Engineers (USACE)
- Natural Resources Conservation Service (NRCS)
- Federal Emergency Management Agency (FEMA)

The following sub-sections provide additional information on the data received from village, county, state, and federal agencies.

3.2.1 Village Data

The Village provided a document indicating the location of the critical assets within their limits. The assets identified were converted to a GIS shapefile format for analysis. Some of these critical assets are also available from the County's GIS Open Data portal. The specific data obtained from the Village is provided below and shown in **Figure 3-1**. A more comprehensive list with additional details is provided in **Appendix A**. It must be noted that some datasets are not applicable as there is no such asset type within the Village limits. Please see **Appendix A** for more information.

- Bus Shelter
- Bus Route
- Health Facilities
- Public School
- Bus Stop
- Sanitary Sewer Pump
- Park Facility



Figure 3-1. Collected Village Data

3.2.2 County Data

The County's Open Data Hub provides some useful information for the development of the VA (**Figure 3-2**). BCC collected readily available GIS data from this web portal. Topographic data in the form of a digital elevation model (DEM), drainage network, major roadways, and more are all included. A list of all applicable data that was obtained from the data portal is provided below. Please see **Appendix A** for a complete catalog of all the collected data.

- Bus Route
- Bus Stops
- Daycare
- Digital Elevation Model (DEM)
- Marinas
- Onsite Sewage Treatment and Disposal Systems (OSTDS)
- Parks
- Sanitary Sewer Pump Station

- Drainage Network
- Major Roadways
- Shoreline

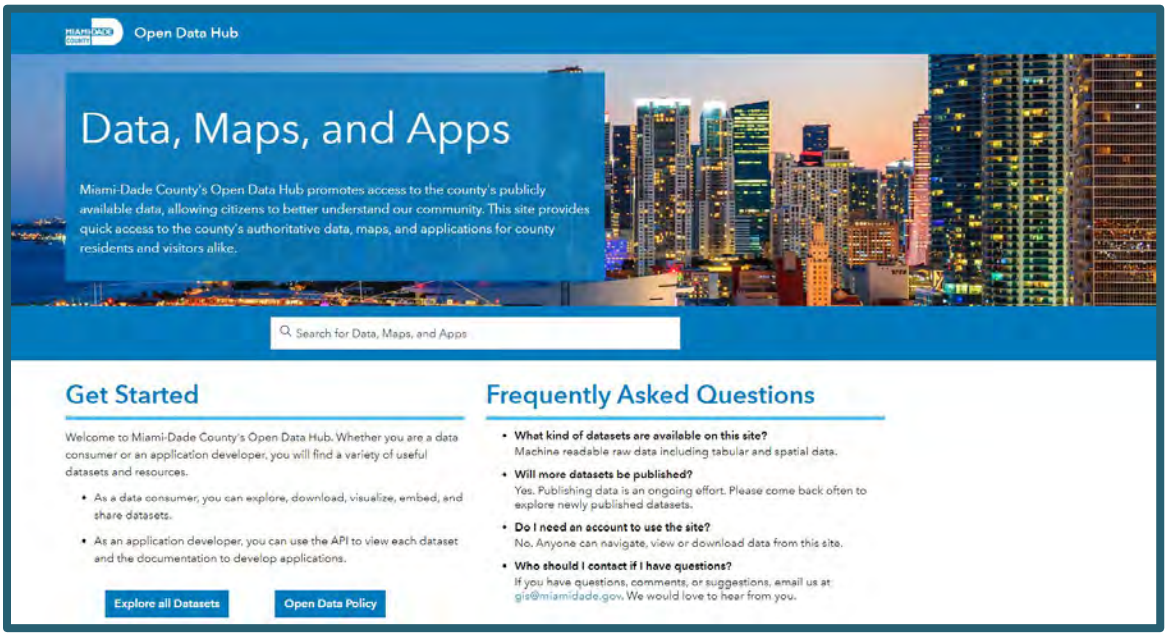


Figure 3-2. Miami-Dade County Open Data Hub

3.2.3 State Data

GIS data (including watershed boundaries, transportation elements, climate and meteorology data sets, and geologic characteristics) can be obtained from the official Geospatial Data Portal of the State of Florida (**Figure 3-3**). This portal also provides datasets from other State agencies such as FDEP, FDOT, and SFWMD. BCC collected readily available GIS data from this portal and listed below. A complete data catalog can be found in **Appendix A** of this study.

- Bridges
- NEXRAD
- Major roads



Figure 3-3. Florida Geospatial Open Data Portal

3.2.3.1 Florida Department of Environmental Protection (FDEP)

The FDEP is the state's lead environmental management and stewardship agency responsible for protecting air, water, and land. The FDEP assists residents and businesses in complying with environmental regulations through site visits and technical assistance. The FDEP reviews permit applications, inspects permitted facilities, responds to environmental damage reports, provides compliance assistance and enforcement, and maintains many GIS data through their portal website (See **Figure 3-4**).

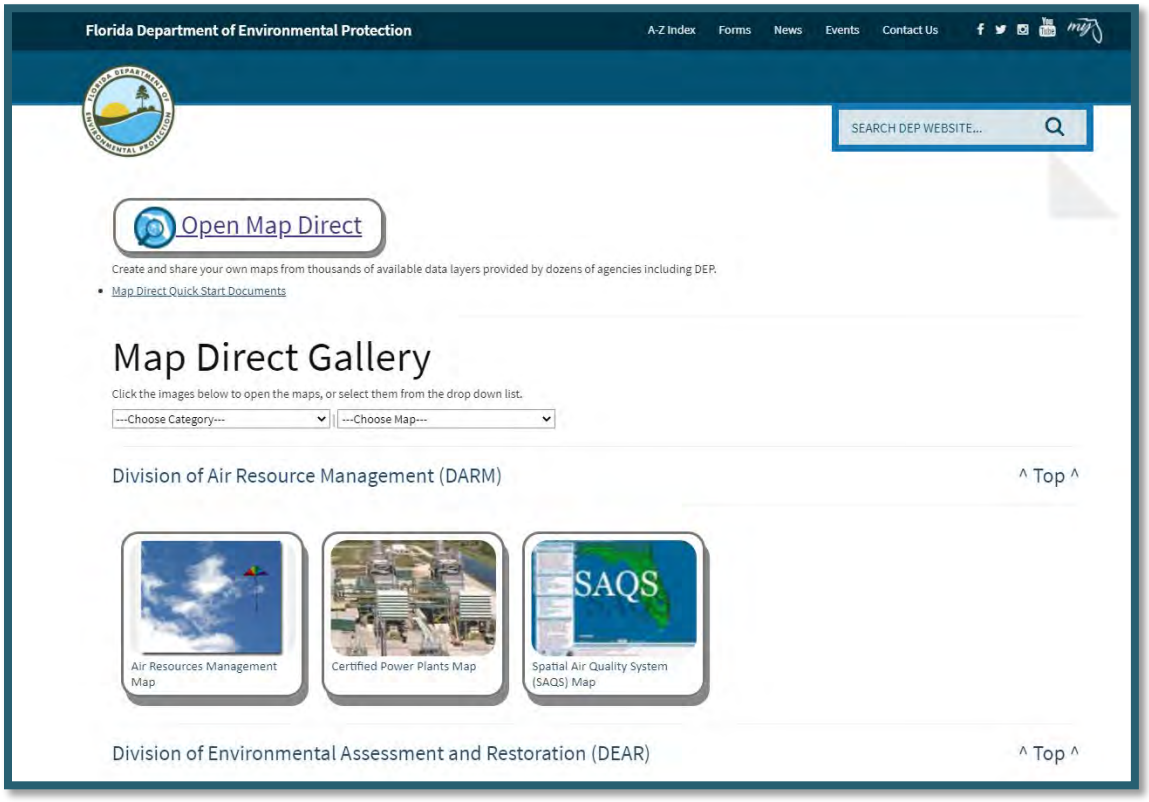


Figure 3-4. FDEP Direct Map ERP Portal

3.2.3.2 Florida Department of Transportation (FDOT)

The FDOT provides a safe transportation system for the mobility of people and goods, enhances economic prosperity, and preserves the quality of the environment and communities. The Office of Transportation Data and Analytics (TDA) maintains the official FDOT linear referencing system of all roads, highways, traffic, travel time, multimodal, and freight and passenger data information. The TDA data and information cover a range of time periods: historical, current, and future. BCC collected readily available roadway data for this project. **Appendix A** contains a complete catalog of all the data.

3.2.3.3 South Florida Water Management District (SFWMD)

The SFWMD retains a GIS data source for a variety of datasets that can be accessed from the SFWMD Geographic Information Systems Data Portal. This geospatial portal is a valuable source for additional data that is not available directly from other sources, such as land use, soils, aerial imagery, and so on. Although this data may not be updated on a regular basis, it may be used if other sources are unavailable. SFWMD has also estimated spatial rainfall data for the entire county. This data is based on Next Generation Radar (NEXRAD) Technology, which uses reflectivity to improve estimated rainfall amounts using calibrated algorithms. NEXRAD data is available with a 2km-by-2km grid resolution for 15-minute intervals. The specific NEXRAD grids that cover

the Village are shown in **Figure 3-5**. The entire Village is covered by two rain grids. The spatial NEXRAD information is available at the following website: NEXRAD Viewer.



Figure 3-5. NEXRAD Grid Cover of the Village

BCC collected readily available data from the South Florida Water Management District (SFWMD) data portal, and a complete catalog of all the data is presented in **Appendix A**.

3.2.3.4 Southeast Florida Regional Climate Compact

The Southeast Florida Regional Climate Change Compact was formed in January 2010 by Broward, Miami-Dade, Monroe, and Palm Beach Counties to coordinate mitigation and adaptation activities across county borders. Since that time, the four (4) Compact counties have improved local and regional responses to and preparations for the effects of climate change, such as sea-level rise, flooding, and economic and social disruptions. They have grown to include federal, state, regional, municipal, nonprofit, academic, and private sector partners.

In 2011, the Southeast Florida Regional Climate Change Compact (the Compact) produced the first Regionally Unified Sea Level Rise Projection for Southeast Florida, and it was updated in 2015. The Compact organized a Sea Level Rise Work Group in 2019, which was comprised of academic experts and local, regional, and federal government to update the Projection.

The Guidance Report contains directions and specific examples of how the projection can be used by local governments, planners, designers, engineers, and developers, as well as supporting documentation for the Projection. The Projection is reviewed and updated every five (5) years, or sooner, because of ongoing advances in scientific knowledge and modeling related to global climate change via peer-reviewed literature. The most recent report can be found at the following link: Unified Sea Level Rise Projection Southeast Florida.

The Compact developed the Regionally Unified Sea Level Rise Projection to aid in the understanding of vulnerabilities and to provide a foundation for adaptation strategies, policies, and infrastructure design in the Southeast Florida region. Before developing a regionally consistent projection, the variety of local sea-level rise projections was a barrier to attaining consistent regional adaptation strategies and policies, as well as effectively affecting helpful policies at the state and federal levels. BCC Engineering LLC follows the compact to predict sea-level rise for the VA in this project.

3.2.4 Federal Data

Data was collected from a variety of federal data sources. The following subsections provide detailed information on the specific data that was retrieved.

3.2.4.1 United States Geological Survey (USGS)

The USGS was established by an act of Congress in 1879 and has evolved over the 125 years since, matching its talent and knowledge to the advancement of science and technology. The USGS is the only science agency within the Department of the Interior. Thousands of partners and customers seek out its natural science expertise and vast earth and biological data holdings. The USGS serves the nation by providing accurate scientific information to describe and understand the Earth; minimizing loss of life and property due to natural disasters; managing water, biological, energy, and mineral resources; and improving and protecting our quality of life. The USGS is a world leader in natural sciences because of scientific excellence and responsiveness to societal needs.

USGS collects, monitors, analyzes, and provides science about natural resource conditions, issues, and problems as the nation's largest water, earth, and biological science and civilian mapping agency. Because of their expertise, this agency is able to conduct large-scale, multidisciplinary investigations and provide objective scientific information to resource managers, planners, and other customers.

The USGS prepared a study in collaboration with Miami-Dade County entitled "Hydrologic Conditions in Urban Miami-Dade County, Florida, and the Effect of Groundwater Pumpage and Increased Sea Level on Canal Leakage and Regional Groundwater Flow, Version 1.2 July 2016". The groundwater level rise in the region was estimated in this study. The change in water-table elevations caused by one (1) foot of sea-level rise is reported in this study for 2045. This report can be used to calculate the amount of groundwater level rise in the Village in

response to future sea-level rise. A copy of the report can be accessed through the following link: USGS Scientific Investigations Report 2014-5162.

3.2.4.2 National Oceanic and Atmospheric Administration (NOAA)

The National Oceanic and Atmospheric Administration (NOAA) studies and forecasts climate, weather, oceans, and coasts. Their work aids in severe weather preparedness as well as international shipping. BCC collected readily available data from the NOAA website. A complete catalog of all the data is presented in **Appendix A**.

3.2.4.3 National Hurricane Center and Central Pacific Hurricane Center

The National Hurricane Center develops maps that describe the vulnerability to flooding that may be experienced by communities living in hurricane-prone coastal areas. The storm surge risk maps show that this is not just a beachfront problem since some locations may experience events that could extend many miles inland from the immediate coastline. The data presented in these maps will be used to quantify the impact of these events in the future flood depth modeling scenarios. This information can be accessed through National Storm Surge Risk Maps – Version 3.

3.2.4.4 Digital Coast Data – Digital Elevation Model (DEM)

The latest available DEM for the project area was obtained using NOAA's online Data Access Viewer and Miami Dade County. This viewer can be accessed via the following link: Digital Coast: Data Access Viewer.

This DEM is derived from LiDAR data that was collected by GPI via aerial mapping with 5-ft resolution in 2018 as part of the County's Information Technology Department (ITD) LiDAR project. As such, the DEM represents the topographic features of that period. All elevations within this dataset are reported in feet relative to the North American Vertical Datum of 1988 (NAVD88), which will be the reference vertical datum that will be utilized throughout the VA.

3.2.4.5 Vertical Datum Conversion Tool

For information that is based on the older National Geodetic Vertical Datum of 1929 (NGVD29), the NOAA online version of the National Geodetic Survey (NGS) Coordinate Conversion and Transformation Tool (NCAT) software will be utilized (**Figure 3-6**). The NGVD29 conversion to NAVD88 was obtained in the SWMP by entering the coordinates of the project area into the online software, which can be accessed via the following link: NCAT Online Software.

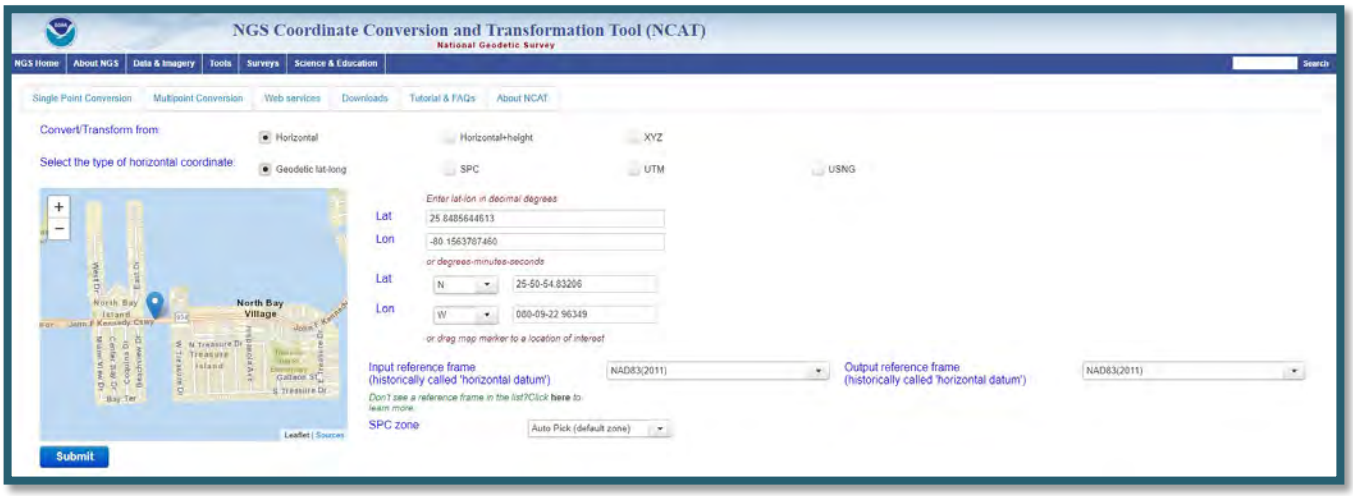


Figure 3-6. NOAA NCAT Horizontal/Vertical Datum Conversion Site

3.2.4.6 Atlas 14 Precipitation Frequency Estimates

The most recent rainfall depth-frequency information was obtained using the Precipitation-Frequency Atlas of the United States. The Florida region is covered by Volume 9 of the Atlas, which also examines seasonality, trends in annual maximum series data, and the temporal distribution of heavy precipitation. Precipitation Frequency Data Server (PFDS), a point-and-click interface that can be accessed by the following link, was used to retrieve this data: NOAA Atlas 14 PFDS.

3.2.4.7 United States Army Corps of Engineers (USACE)

The USACE prepared an Engineer Circular in July 2009. This Circular discusses future potential sea-level changes and their effects on managing, planning, engineering, designing, constructing, operating, and maintaining USACE projects and systems of projects in coastal regions. In addition, this Circular references various locations in South Florida, which will be used to establish a planning horizon for the Village. This Circular can be accessed through the following link: Sea-Level Change Considerations for Civil Works Programs.

To build a resilient community, the USACE collaborates with other federal science and water management agencies, academic experts, the private sector, and other stakeholders. The goal of this collaboration is to develop and implement practical, nationally consistent, and cost-effective approaches and policies to reduce potential vulnerabilities to water infrastructures resulting from climate change and variability. Under the Responses to Climate Change Program, the USACE developed a Sea Level Change Curve Calculator and modified it to NOAA scenarios, helping people rapidly assess what the coming changes in sea level could look like. The USACE Calculator is designed based on the methodology described in **Engineer Regulation (ER) 1100-2-8162 - Incorporating Sea Level Changes in Civil Works Programs (USACE 2013a)** and **Engineer Technical Letter (ETL) 1100-2-1—Procedures to Evaluate Sea Level Change: Impacts, Responses, and Adaptation (USACE 2014)**. The Calculator can plot both the USACE and NOAA curves in feet or meters relative to either NAVD88 or LMSL (see

Figure 3-7). It has been updated in 2022 and can be accessed from the following link: Sea-Level Change Curve Calculator.

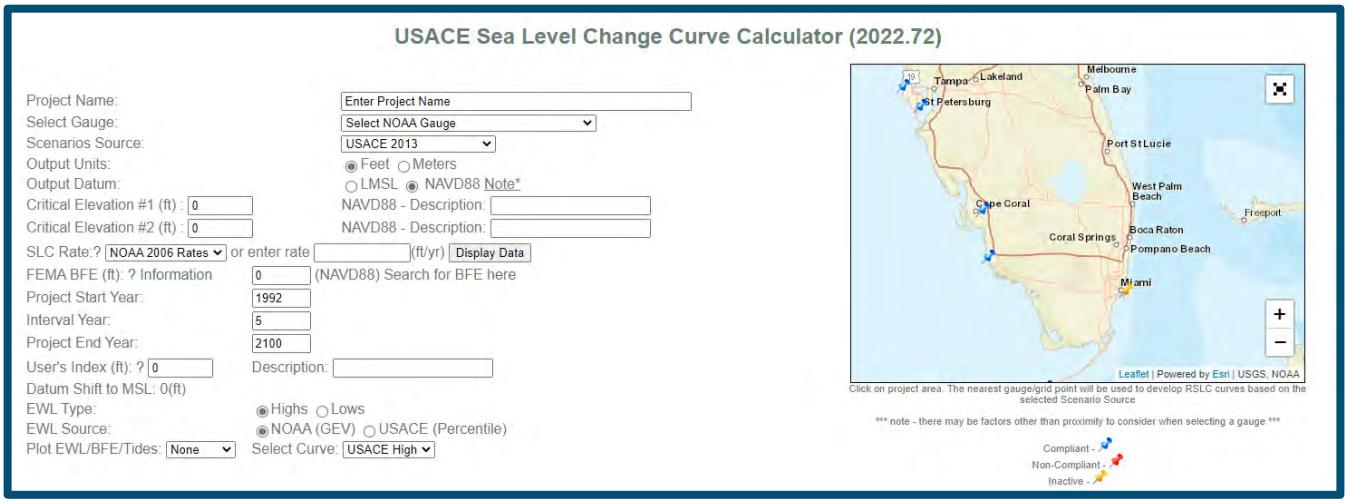


Figure 3-7. USACE Sea Level Change Curve Calculator

3.2.4.8 Natural Resources Conservation Services (NRCS)

The Natural Resources Conservation Services (NRCS) is a federal agency under the United States Department of Agriculture (USDA) that performs and maintains soil survey information for the United States. Through the USDA's Geospatial Data Gateway site, soil maps and data are available online for more than 95 percent of the nation's counties (See **Figure 3-8**). The site is updated and maintained online as the single authoritative source of soil survey information. The following link provides access to the site: USDA Geospatial Data Gateway.



Figure 3-8. USDA Geospatial Data Gateway Site

Additional data is available through this website, including digital ortho imagery, digital elevation models, and other cultural and demographic data. A complete catalog of all the data is presented in **Appendix A**.

NRCS also published the publication Urban Hydrology for Small Watersheds TR-55, which includes methods for calculating runoff based on precipitation and soil storage with the Soil Conservation Service (SCS) Curve Number (CN) method. This document can be accessed via the following link: USDA TR-55.

3.2.5 Data from other sources

To obtain insight into prior flood evaluation efforts, reports, and studies were researched and reviewed to obtain recommendations on VA improvement projects. The applicable documents that were sourced, along with the respective owner/developer and date of the document, are provided below.

- *Coastal Flood Risk Analysis Report, North Bay Village (SFRPC* 2017)
- *North Bay Village Stormwater Master Plan (BCC Engineering 2022)*

3.3 Data Evaluation & Gap Analysis

The datasets collected from the Village and other sources were evaluated to define the completeness and viability to identify the pertinent items that would be applicable to the development of the VA. The following sub-sections detail the relevant components of the data collected and their potential role in the development of the VA.

3.3.1 North Bay Village

The data provided by the Village, as described in Section 2-2-1, were reviewed and evaluated. The data was provided in hardcopy format, and BCC converted the data into GIS format. As mentioned in the SWMP 2022, the Village doesn't maintain a database of FFEs for properties. The FFE was estimated using an approach for each building that extracts the elevation from the DEM for the closest adjacent crown of road, or highest edge of the roadway cross-section and adds eight (8) inches. The same approach for estimating the FFEs will be used for the VA analysis, except for critical buildings where the Village will provide elevation certificates. The ICPR v4 model that was previously developed as part of the SWMP will be updated to evaluate the four (4) different scenarios for future conditions Sea Level Rise projections (NOAA's 2017 intermediate-high and intermediate-low for the years 2040 and 2070) that are required as part of the RF program grant requirements. The updated models will then be utilized to assess the impact of sea-level rise, groundwater rise, and increased rainfall amounts on the Village's existing critical infrastructure.

3.3.2 Other Data Sources

The data collection effort associated with this task was primarily focused on collecting the necessary data to ensure the VA development can be completed. The most important data collected thus far included the following:

- Geospatial coverage for various model input parameters and critical infrastructure data that has been obtained from the County's Open Data Hub (i.e., GIS shapefiles).
- Latest LiDAR topographic information in the form of a DEM has been retrieved from NOAA's digital access viewer and County's Open Data Hub.
- Technical documentation to determine logical sea-level/groundwater rise magnitudes and rainfall depth increase for future drainage conditions.

3.4 Conclusions & Recommendations on Data Collection and Gap Analysis

Based on the readily available data collected as part of this task, there is sufficient data to complete the VA for the Village. Additional pertinent data that may become available during the development of the VA will be

incorporated into the data documentation and evaluation section of the draft VA report, which is to be prepared upon the completion of the remaining Technical Memorandums.

While there is sufficient data to complete the VA, there are steps that can be taken by the Village to ensure that future planning efforts have additional and current data to facilitate future assessments. These recommendations include, but are not limited to, the following:

- Install and monitor rainfall gauges throughout the Village. Establish collaborative programs with County's school system to involve students to help collect data and thereby educate future generations.
- Install groundwater stage recorders within the Village to better evaluate groundwater conditions and changes.
- Further, develop/enhance the City's existing GIS databases to add Finished Floor Elevations (FFE) for City owned and maintained assets/infrastructure and buildings/structures.

4.0 Project coordination, Public Outreach & Stakeholder Engagement

The purpose of this section is to document all meetings conducted throughout the project's duration, encompassing interactions with both the Village staff and the broader public. The Vulnerability Assessment requires a public outreach initiative, which is aimed at disseminating essential project information, sharing project objectives, and actively seeking feedback and input from the public and key stakeholders. To ensure the success of this outreach endeavor, Task No. 2 involves setting clear goals, as well as acquiring specific directions and feedback from stakeholders. Moreover, the plan envisions the organization of both an initial and a final workshop, along with multiple progress meetings with the Village staff. These engagements serve the dual purpose of conveying the project's status and garnering valuable input from the public and stakeholders. To facilitate these meetings, the task includes the preparation of all necessary documentation and equipment, such as agendas, name tags, sign-in sheets, comment cards, posters/exhibits, minutes, and other pertinent project information, ensuring a seamless and informative exchange of ideas and insights.

4.1 Public Meetings

A total of two public workshops were coordinated with Village staff to provide the community members with an overview of the project objectives, current progress, and the opportunity to give their feedback. The following subsections present a detailed description of the public workshops.

4.1.1 Public Meeting No. 1

Meeting Date: July 11, 2023

Location: Virtual Online Meeting; Zoom

Participants: Refer to the sign-in sheet in **Appendix B**

The meeting commenced with Commissioner Rachel Streifeld's opening remarks emphasizing the significance of the vulnerability assessment for community outreach and grant funding. Alex Vasquez, from BCC, then outlined the objectives, emphasizing the public input in data collection stages and identifying critical assets vulnerable to projected conditions like sea-level rise, increased rainfall, and storm surge. He detailed the assessment's purpose, including measuring risks and aiding in securing the Flood Protection Project. The scope of work was delineated into nine tasks, from data collection to strategy development, with a focus on public engagement and critical asset identification. **Appendix B** includes the documents relevant to the first public meeting.

4.1.2 Public Meeting No. 2

Meeting Date: November 6, 2023

Location: Virtual Online Meeting; Zoom

Participants: Refer to meeting minutes in **Appendix C**

The meeting commenced with Alec Bogdanoff introducing Commissioner Rachel Streitfeld, who expressed gratitude for public engagement in Workshop #2 and highlighted the completed Stormwater Master Plan. The Vulnerability Assessment, mandated by Florida law, aims to secure state funding for resilience projects and covers rainfall, flooding, storm surges, and hurricanes. Project Manager Alex Vazquez outlined objectives, emphasizing public input in various analyses and focusing on future conditions rather than current flooding issues. He detailed the assessment's purpose, including identifying vulnerable assets and infrastructure, setting goals for adaptation, and obtaining funding. The scope of work involved nine tasks, with completed ones covering data collection, critical asset inventory, exposure, sensitivity analysis, and identification of focus areas. Ongoing tasks included project coordination, adaptation plan development, and finalizing the assessment report. As part of the project coordination, BCC and Village staff continue to coordinate progress meetings to gather input and incorporate any comments in the document to be submitted. The Q&A session was open for inquiries, and Commissioner Streitfeld concluded with appreciation for the team's efforts and community support. **Appendix C** includes the documents relevant to the second public meeting.

4.2 Progress Meetings

A total of one kick-off meeting, one Sustainability and Resilience Task Force Meeting and four progress meetings were coordinated between BCC and the Village to provide updates on the project progress, receive feedback, and discuss future tasks.

4.2.1 Kick-off Meeting with the Village

Meeting Date: March 22, 2023

Location: Virtual Meeting

Participants: Refer to meeting minutes in **Appendix D**

During the kick-off meeting, Mr. Vazquez outlined the vulnerability assessment's objectives and deliverables, indicating an estimated start date of April 3, 2023. Discussions highlighted the necessity of storm surge analysis, citing Florida statute FS 380.093, although it was noted that such modeling wouldn't cover areas in the Bay. Instead, storm surge data from NOAA or the Army Corp of Engineers would be utilized, considering the impact with and without rainfall in the Exposure Analysis Task. Emphasizing public input, Mr. Vazquez clarified that the first public meeting aims to gather community insights on critical asset inventory, not to discuss ongoing flooding issues. Details of necessary data collection were shared for Task 1, to be reviewed by Mr. Loban for Village relevance, including government operations expected to be relocated. Ms. Streitfeld proposed dividing Treasure Island for analysis and discussed potential evacuation routes, which Mr. Vazquez agreed to map in GIS format. Additionally, she suggested a summarized version of the assessment for future public presentations, an idea

incorporated into the report's tasks. Each technical memorandum would undergo Village review, with a two-week window for feedback, and be part of the draft Vulnerability Assessment Report. Mr. Vazquez presented a project schedule with estimated completion by April 12, 2024, well ahead of the Grant Completion date of June 30, 2024, assuming an April 3rd notice to proceed. **Appendix D** includes the agenda and meeting minutes.

4.2.2 Progress Meeting No. 1

Meeting Date: April 28, 2023

Location: Virtual Meeting

Participants: Refer to meeting minutes in **Appendix E**

During the first progress meeting, conducted virtually with Village staff, Mr. Vazquez led discussions reviewing the outcomes of the kick-off and delved into the scope of work. The requirements for the initial task, Data Collection & Gap Analysis, were outlined, encompassing the review of available geospatial datasets for village infrastructure, catalog development, and Technical Memorandum submission. Emphasis was placed on holding the first public meeting after the submission of Technical Memorandum 3, tentatively scheduled for June 2023. Village staff stressed the importance of integrating storm surge into the flood depth analysis alongside projected conditions. Village staff agreed to review and provide feedback on Technical Memorandum 1 and critical assets maps. Although the project timeline remained unchanged, adjustments were open for consideration. Action items were outlined, including BCC providing critical infrastructure maps by May 1, 2023, and TM 3 for review shortly after receiving critical infrastructure comments. The Village committed to offering feedback on TM 1 and critical infrastructure maps, while both parties coordinated for the venue of Public Meeting No. 1, tentatively slated for June 2023. **Appendix E** includes the agenda and meeting minutes.

4.2.3 Progress Meeting No. 2

Meeting Date: June 7, 2023

Location: Virtual Meeting

Participants: Refer to meeting minutes in **Appendix F**

During Progress Meeting No. 2, conducted virtually with Village staff, Mr. Vazquez recapped the previous meeting's outcomes and discussions on Data Collection & Gap Analysis. The focus shifted to the third task, Critical Asset Inventory, outlining the requirements for developing this inventory based on gap analysis findings and stakeholder engagement. Commissioner Streitfeld highlighted the significance of including SR934/Kennedy Causeway, an FDOT-owned road critical for Village evacuation, in the asset inventory and model despite ownership. Discussions delved into the Level of Service and asset designations, with Mr. Vazquez detailing the

methodology for integrating storm surge analysis, proposing Hurricane Ian as a potential storm event for modeling due to its alignment with the Village's critical path. Village Staff recommendations included mapping assets per island, marking the future City Hall and schools, and including the Future North Bay Community Center. The Village Staff will provide additional comments on TM 3 and BCC will incorporate these comments. Mr. Vazquez will coordinate with Erin Deady for storm surge modeling input and Kennedy Causeway's inclusion in the critical asset inventory. **Appendix F** includes the agenda and meeting minutes.

4.2.4 Sustainability and Resilience Task Force Meeting

Meeting Date: July 25, 2023

Location: Virtual Meeting

Participants: Refer to meeting minutes in **Appendix G**

During the meeting, Commissioner Streitfeld highlighted the low attendance at the Town Hall organized for the vulnerability assessment and mentioned that the following presentation would be the same one from the previous meeting. According to the FDEP grant requirements, public participation is important for the study. Mr. Vazquez detailed all tasks within the vulnerability assessment, emphasizing the project's significance for future resiliency, and how it is different from the capital improvement plan in the stormwater master plan. The commission inquired about Task 2 and Mr. Vasquez explained that in this stage it aims to gather public feedback on critical assets. The discussion pivoted to the necessity of a tidal gauge for North Bay Village, with plans to incorporate one within village limits for upcoming projects. Seawalls, although not specified in the FDEP work plan, were queried by the commission, and Mr. Vazquez confirmed their exclusion. The distinction between projection curves in the vulnerability assessment and the stormwater master plan was clarified. Finally, the consideration of utilities traversing the island was raised, but it was explained that the analysis excludes underground utilities. **Appendix G** includes the agenda and meeting minutes.

4.2.5 Progress Meeting No. 3

Meeting Date: August 23, 2023

Location: Virtual Meeting

Participants: Refer to meeting minutes in **Appendix H1**

In this meeting, Mr. Vazquez provided a comprehensive project update and presented the recent results of Task 4, which involved conducting exposure analysis. The focus was on discussing the various storm surge scenarios and methodologies used to enhance model accuracy with the storm surge distribution records. Through screen sharing, he showcased flood depth fluctuations across different storm events, emphasizing the impact on North

Bay Village islands. The discussion then shifted to Task 5, regarding the sensitivity analysis for critical assets, outlining procedures and tables for the specific level of service of each asset. Mr. Vazquez shared the documents used in the presentation with the Village for further guidance. Action items were established, with BCC tasked to send proposed sensitivity analysis tables and exposure analysis files to the Village, while the Village was tasked with providing feedback on the proposed procedures by August 30, 2023. **Appendix H1** includes the agenda and meeting minutes.

4.2.6 Progress Meeting No. 4

Meeting Date: October 26, 2023

Location: Virtual Meeting

Participants: Refer to meeting minutes in **Appendix H2**

In this virtual meeting, Mr. Vazquez provided a comprehensive update on the North Bay Village Vulnerability Assessment, emphasizing recent results from Task 5 (Sensitivity Analysis) and Task 6 (Identification and Ranking of Focus Areas). He outlined the scope of work, highlighting key components and completed tasks within the vulnerability assessment. The overview of Task 5 encompassed sea-level rise scenarios and storm surge conditions, emphasizing the importance of storm events without rainfall for sensitivity analysis. A demonstration using flood map depths illustrated minimal differences in surge conditions with and without rainfall. The sensitivity analysis revealed high sensitivity among critical assets, demonstrated through various elements such as structures, evacuation routes, and infrastructure. Next, an overview of Task 6 was provided, focusing on Identification and Ranking of Focus Areas. The discussion also touched upon updating the NBV logo and the rationale behind identifying primary focus areas. Action items included a request for the recording of a virtual public meeting and determining minimum critical asset elevations based on the 2060 Intermediate-High projection outlined in the Stormwater Management Plan. **Appendix H2** includes the agenda and meeting minutes.

4.2.7 Progress Meeting No. 5

Meeting Date: January 11, 2024

Location: Virtual Meeting

Participants: Refer to meeting minutes in **Appendix H3**

During the discussion led by Mr. Vazquez, multiple components of the adaptation plan were reviewed, including protection, accommodation, relocation, and avoidance strategies. A particular focus was placed on protection

strategies, with an in-depth examination of the effectiveness of the proposed Capital Improvement Plan outlined in the Stormwater Master Plan against the 2070 Intermediate High Sea Level Rise (SLR) scenario. The findings indicated that the Capital Improvement Plan would effectively mitigate the anticipated flooding in the 2070 scenarios. Responding to Mr. Peters inquiry about the sensitivity assessment for Harbor Island Dr, Mr. Vazquez acknowledged that the reduction in mean flood depth for the Capital Improvement Plan scenario was not significantly pronounced. He noted that this specific location would undergo further model revisions to validate the accuracy of this value. It was announced that the Vulnerability Assessment would be presented at the upcoming commission meeting. The subsequent phase involves submitting the initial draft of the Vulnerability Assessment to the Village for review and comments. Feedback received will be incorporated to produce the final version of the report. Several action items have been outlined for the next steps in the process: The Village staff is tasked with reviewing TM7, the Adaptation Plan, and subsequently providing comments for further consideration. BCC, in turn, will incorporate the feedback received from the Village and develop a revised version of TM7. Additionally, BCC is set to deliver the initial draft of the Vulnerability Assessment Report, seeking input and comments from the Village for further refinement and enhancement. This collaborative review and revision process aims to ensure the accuracy and effectiveness of the final documentation. **Appendix H3** includes the agenda and meeting minutes.

5.0 Critical Asset Inventory

5.1 Asset Inventory Identification

As part of TM1, all available data throughout the Village were collected in accordance with s. 380.093, F.S. The VA focuses only on the significant Village-owned or maintained assets and infrastructure. Therefore, private, County, or Federal owned or maintained assets were excluded from this analysis unless they have significant impacts on the Village-owned and maintained assets. Thus, the ownerships of all collected assets were investigated individually. In order to determine the asset ownership, metadata for each dataset was reviewed. Other sources such as the Miami-Dade Property Appraiser website and Village staff knowledge, were utilized in this process.

Based on the FDEP standard vulnerability assessment work guidance document, four (4) critical asset categories must be considered in the analysis:

(5) **Transportation assets and evacuation routes**:

These assets include:

- Airports
- Bridges
- Bus terminals
- Ports
- Major roadways
- Marinas
- Rail facilities
- Railroad bridges

(6) **Critical infrastructure**:

These assets include:

- Wastewater treatment facilities and lift stations
- Stormwater treatment facilities and pump stations
- Drinking water facilities
- Solid and hazardous waste facilities
- Military installations
- Communications facilities
- Disaster debris management sites

(7) **Critical community and emergency facilities**:

These assets include:

- Schools
- Colleges
- Universities
- Community centers
- Correctional facilities
- Disaster recovery centers
- Emergency medical service facilities
- Emergency operation centers
- Fire stations
- Healthcare facilities
- Hospitals
- Law enforcement facilities
- Local government facilities
- Logistical staging areas
- Affordable public housing
- Risk shelter inventory
- State government facilities

(8) **Natural, cultural, and historical resources**:

These assets include:

- Conservation lands
- Parks
- Shorelines
- Surface waters
- Wetlands
- Historical and cultural assets

During a coordination meeting with the Village staff all identified Village-owned assets and infrastructures were presented to obtain feedback and final refinements to the assets. The final list of the critical assets evaluated as part of this study is as follows:

(5) Transportation assets and evacuation routes:

- Village evacuation route:
  i. The primary roadway used to exit the Village.
- Village primary major roads:
  i. Major section and quarter roadways that lead to the evacuation roads.
- Bus routes, stops, and shelters:
  i. All Village maintained bus routes, stops, and shelters were selected.

(6) Critical infrastructure:

- Outfalls:
  i. Thirty-six (36) outfalls were identified within the Village.
- Sanitary Sewer Pump Station:
  i. Four (4) Sanitary Sewer Pump Stations within the Village were identified.

(7) Critical community and emergency facilities:

- City Hall:
  i. One (1) City Hall structure was identified within the Village. One (1) Future City Hall was also identified within the Village.
- Future Community Center:
  i. One (1) Future Community Center was identified within the Village.
- Health Facilities:
  i. One (1) Health Facility structure was identified within the Village.
- Schools:
  i. Three (3) schools were identified within the Village.

(8) Natural, cultural, and historical resources:

- Parks:
  i. Two (2) parks were identified within the Village.

The locations of the critical assets and infrastructure are represented in **Appendix I**.

5.2 Topographic Data

5.2.1 Digital Elevation Model

Topographic information for the Village was obtained from the Miami-Dade County GIS webpage in the form of a Digital Elevation Model (DEM). The DEM represents topographic land features using a raster data based on a grid system. More specifically, each grid has a cell size of 5.0 feet (5.0' x 5.0' pixels) and represents a single elevation, reflecting the average of all elevations encountered within the respective cell. The elevation information within the DEM is derived from LiDAR data collected via aerial mapping in the year 2021, developed by GPI. As such, the DEM represents the topographic features of that year (**Figure 5-1**).

In terms of the vertical datum, the DEM conforms to the North American Vertical Datum of 1988 (NAVD88). For congruency, all elevations obtained from pertaining documents based on the National Geodetic Vertical Datum of 1929 (NGVD29) were converted to the more modern datum (NAVD88). As seen in **Figure 5-1,** ground elevations throughout the Village vary between 0.0 feet (ft.) to 13.5 ft. NAVD88.

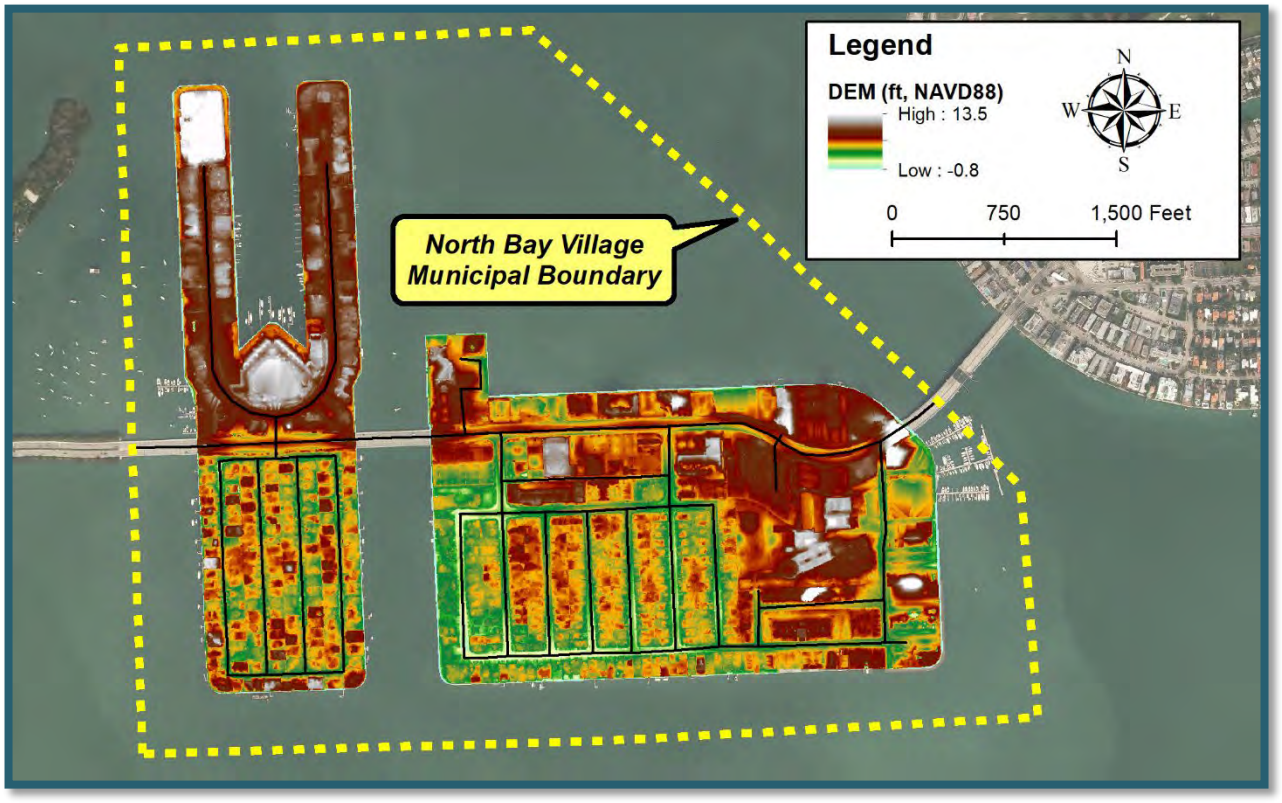


Figure 5-1. Topography within the Village

5.2.2 Surveyed Finished Floor Elevation (FFE)

The Village currently doesn't maintain a database of FFEs for properties located within their respective limits. Therefore, the FFE was estimated using DEM as following procedure.

5.2.3 FFE Estimation using DEM

In order to obtain the FFEs for those assets with no elevation certificate information, a methodology using DEM and GIS was utilized. This method requires the building footprints polygon shapefile, which was obtained from the County's GIS Open Data Hub. The FFE for each asset was estimated by extracting the elevation from the DEM for the closest adjacent crown of road, or the highest edge of the roadway cross-section and adding eight (8) inches to that value. This method coincides with Section 11C-3 of the County's Code of Ordinances. FFEs were estimated for assets with no elevation certification using this GIS model.

5.2.4 Datum Conversion

For information that was based on the older National Geodetic Vertical Datum of 1929 (NGVD29), the conversion factor of 1.54 ft. was used to convert the elevations to North American Vertical Datum of 1988 (NAVD88). The conversion value was obtained from Stormwater Management Master Plan (2022) which used the NOAA online version of the National Geodetic Survey (NGS) Coordinate Conversion and Transformation Tool (NCAT) software (**Figure 5-2**).

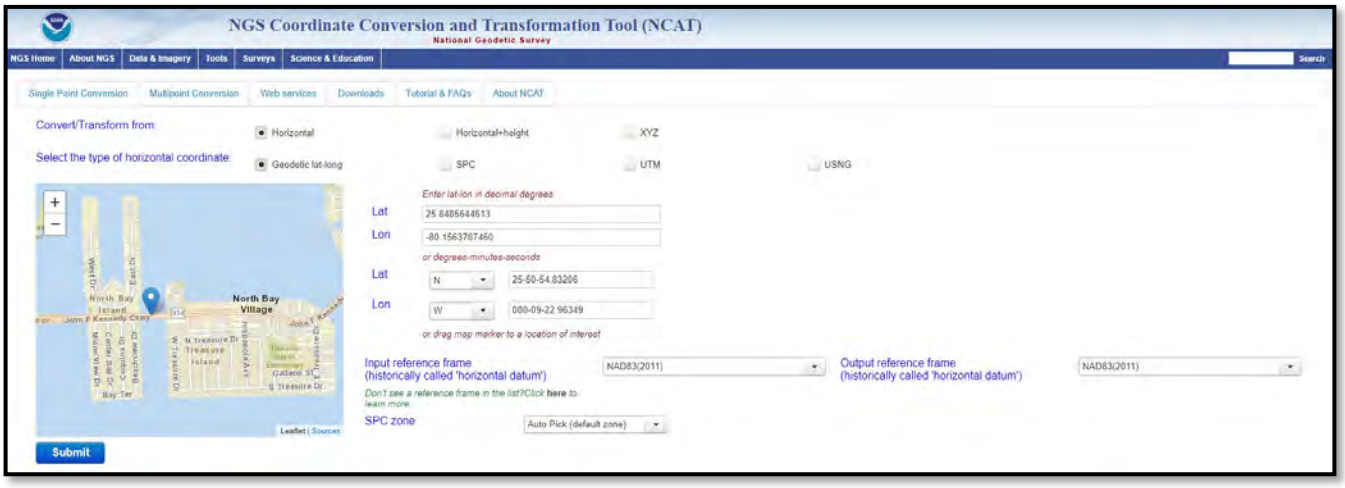


Figure 5-2. NOAA NCAT Conversion Website

5.3 Flood Scenario-Related Data

5.3.1 Precipitation Data

Florida International University (FIU) Sea Level Solutions Center (SLSC) published a report in 2021 concerning updates for statewide extreme rainfall projections. The objective of the report was to advise the Florida Building Code (FBC) of potential updates to the County's flood and rain loads that may alter flood risks due to climate change. The study focused on both sea-level rise and changes in rainfall extremes within the County. A copy of the report can be accessed via the following link: Updating the Statewide Extreme Rainfall Projections.

As part of the study, the FIU SLSC developed multiplier values, referred to as Change Factors (CFs), that can be used in conjunction with the NOAA Atlas 14 rainfall Depth-Duration-Frequency (DDF) data to determine future rainfall depths. This approach allows historical observations and results from future climate models to be objectively integrated to determine nonstationary future extreme rainfall. Due to the variability in impacts among different climate data sets and the regional variability in rainfall, three (3) different percentiles were established for CF values. These included the 17th, 50th, and 83rd percentile. Based on the risk tolerance of future projects, the median 50th percentile will be utilized for CF values.

The CF values were determined using FIU SLSC interactive online tool, shown in **Figure 5-3**, for the future period between the years 2030 and 2069. This tool can also be used for determining CF values for the future planning horizons between the years 2060 and 2099. This tool can be accessed via the following link: FIU SLSC Online Tool.

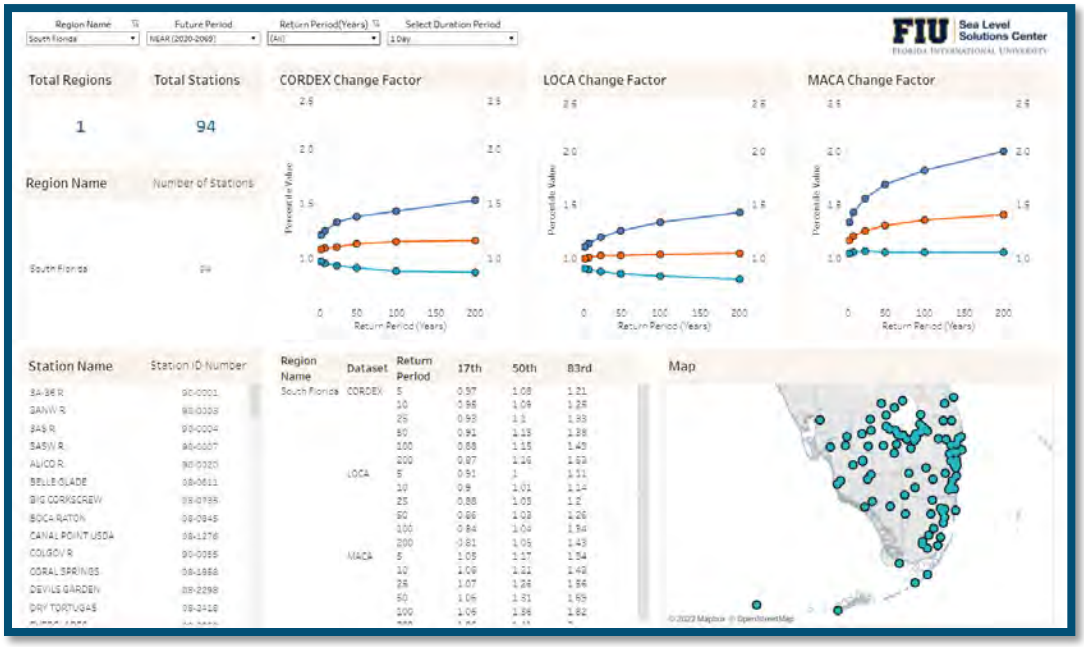


Figure 5-3. Screenshot of FIU's SLSC Interactive Online Tool

The NOAA Atlas 14 Point Precipitation Frequency Estimated tool was used to collect the existing rainfall condition of the designed storm events within the Village. Using the CF factors, the future rainfall depths within the Village bounds were estimated for the years 2040 and 2070.

5.3.2 Sea Level Rise (SLR) Projections

The United States Army Corps of Engineers (USACE) developed a standard Sea Level Change Curve Calculator and modified it to NOAA scenarios under the Responses to Climate Change Program to help communities to rapidly assess the changes in sea level. Standardizing the projection of sea level rise has been an important step

for water management organizations and local, state, and federal agencies in southeast Florida. The projections developed by the USACE are based on the methodology described in Engineer Regulation (ER) 1100-2-8162 - Incorporating Sea Level Changes in Civil Works Programs (USACE 2013a) and Engineer Technical Letter (ETL) 1100-2-1—Procedures to Evaluate Sea Level Change: Impacts, Responses, and Adaptation (USACE 2014). The projections account for various source scenarios, such as the Global and Regional Sea Level Rise Scenarios for the United States (NOAA, 2017). The NOAA's sea level rise projections include seven (7) scenario curves as listed below:

- NOAA Extreme
- NOAA High
- NOAA Intermediate-High
- NOAA Intermediate
- NOAA Intermediate-Low
- NOAA Low
- NOAA VLM (Vertical Land Movement)

The NOAA Extreme curve is solely for showing the upper limit of sea level rise and huge ice melting. It is included for informational purposes and is not considered for application. The NOAA High Curve is applied for the planning, design, and construction of critical, high-risk projects to be in service after 2070 or for projects that are not easily replaceable or critically interdependent with other infrastructure and services. The NOAA Intermediate-High curve is recommended for short-term or non-critical infrastructure in service during or after 2070.

According to s. 380.093, F.S. at least two (2) sea level rise projections, including 2017 NOAA Intermediate-Low and Intermediate-High sea-level rises, should be considered as part of the Vulnerability Assessment. The Virginia Key tide gauge (NOAA Station ID Number 8723214) was selected to obtain NOAA 2017 sea level rise projections (**Figure 5-4**).

The sea level rise projections are based on the sea level data from the year 2000 as the base elevation. The selected NOAA tide gauge (Virginia Key tidal gauge) has recorded tidal elevations since the year 1994. The decadal sea level rise at the station was determined for the analysis.

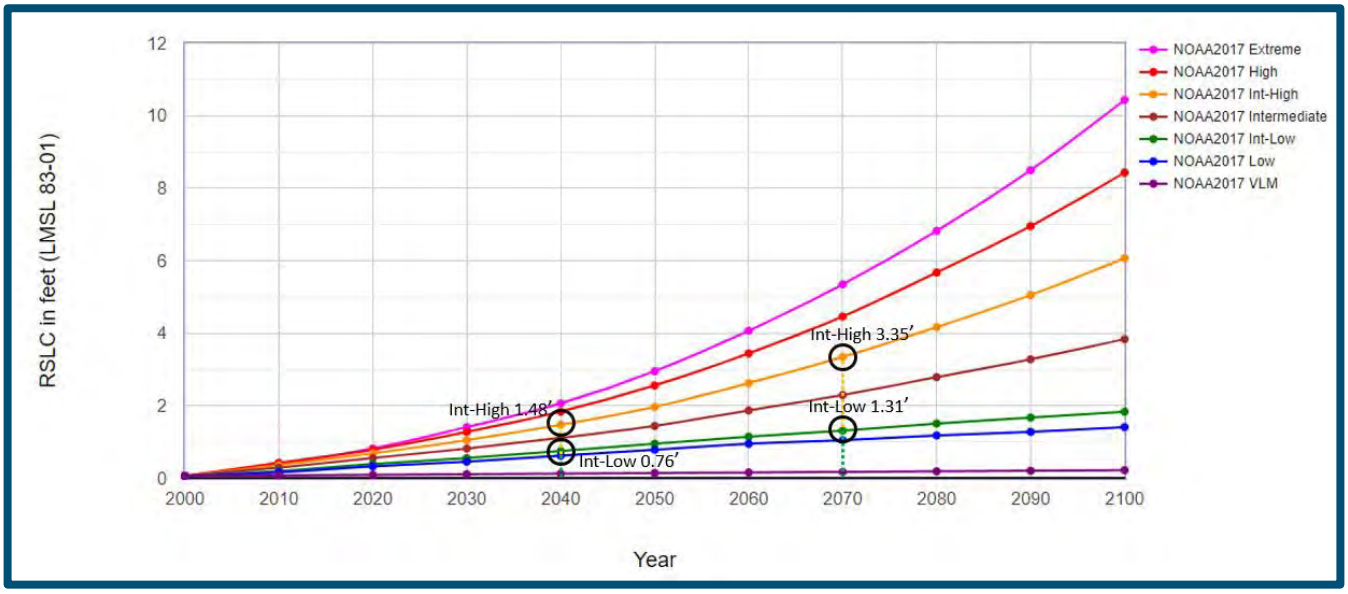


Figure 5-4. NOAA 2017 Sea Level Change Projection for Virginia Key Gauge Station

5.3.3 Groundwater Level Data

The USGS published a report in 2016 in collaboration with the County's Water and Sewer Department (WASD) that investigated the hydrologic conditions in the County and how groundwater pumpage and sea level rise affect regional groundwater flow. **Figure 5-5** presents the change in water table elevations from one foot of sea-level rise for the projected sea-level rise in the year 2045. To accurately model the existing conditions, the design high water table (DHW) level was account for the King tide water level. This coincides with the previously mentioned report which concluded a one-to-one (1:1) relationship between groundwater and sea-level rise. Based on the available data, the amount of groundwater rise per sea level feet rise projections for each planning horizon was determined.

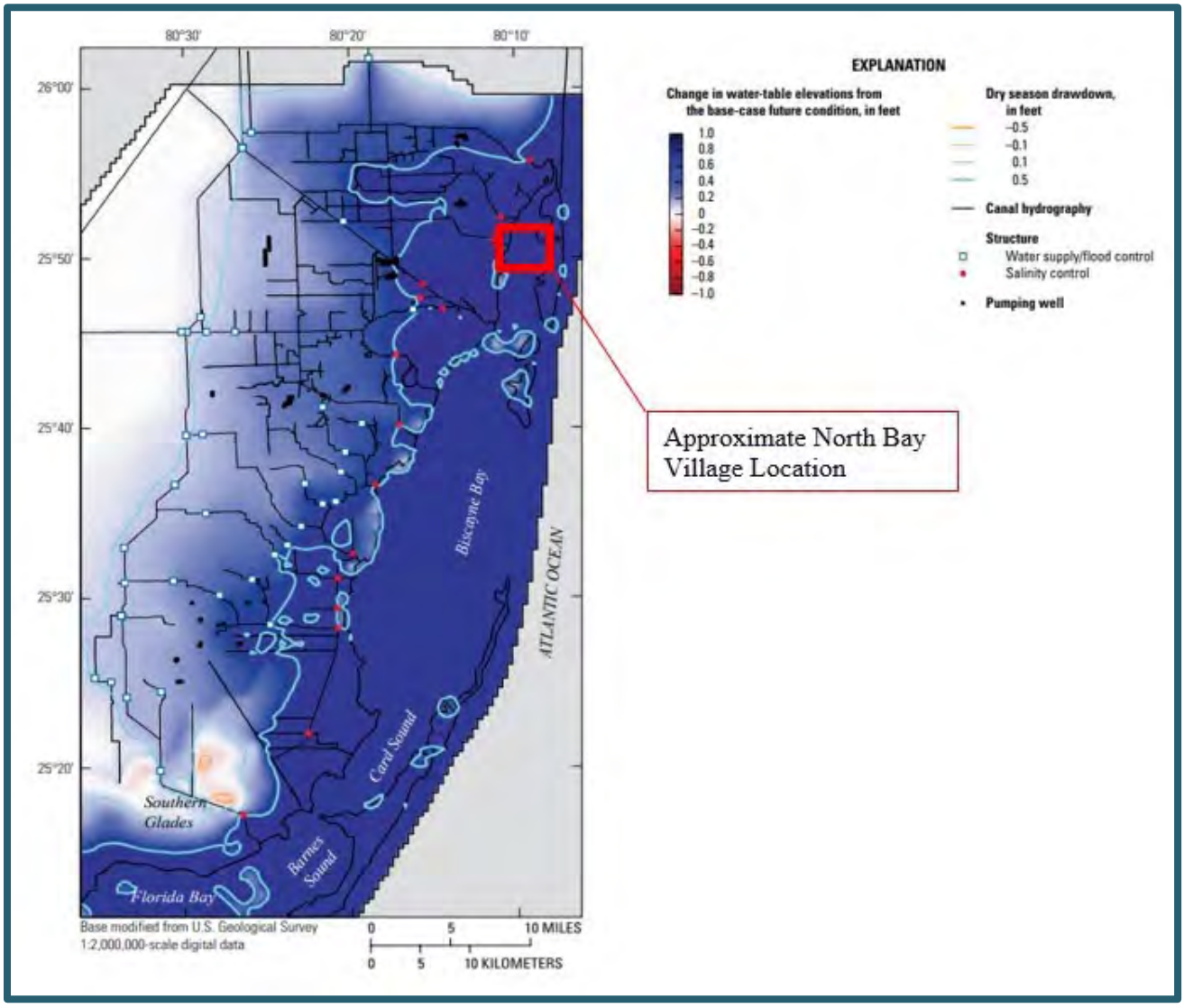


Figure 5-5. Hydrologic Conditions and Effect of Pumpage and Sea Level on Groundwater Regional Flow

5.3.4 Tidal Datums and Tidal Flooding

Tidal water levels for the study area were obtained from the closest NOAA tidal station, which was determined to be the Virginia Key station (ID: 8723214) located in Biscayne Bay. The main information that was gathered from this station consisted of historical King tide elevations. More specifically, high, and corresponding low water levels were obtained for King tide events that have occurred in the past six (6) years. The data related to this station can be accessed through NOAA Tides & Currents.

5.3.5 Storm Surge

The exposed location of North Bay Village in Biscayne Bay makes it vulnerable to the direct impact of storm surges. This study will consider the impact these storm surges have on the 2040 and 2070 modeling scenarios.

NOAA's National Hurricane Center created a National Storm Surge Risk Maps that quantifies the storm surge flooding vulnerability to help the communities living in hurricane-prone coastal areas. The dataset to be used for this analysis can be accessed through National Storm Surge Risk Maps – Version 3.

5.3.6 Hydrostratigraphic Information

Hydrostratigraphic information is not applicable to the study area.

5.3.7 River Channel Cross-section

The channel river cross-section is not applicable to the study area.

5.3.8 Land Use Data

The existing and future land use maps for North Bay Village were obtained from the NBV SWMP Report, which, in turn, originated from Miami-Dade County's Open Data Hub. The village is predominantly composed of Single Family Residential, Multi-Family Residential, and Roadway Land Uses. Single Family Residential is evident throughout the entire NBI, as well as the central and southwest portions of TI. In contrast, the majority of Multi-Family Residential zoning is concentrated on HI and the eastern section of TI. Furthermore, Commercial and Industrial parcels are generally restricted to the north and south sides of the JFK Causeway.

5.4 Critical/Regionally Significant Assets Inventory

5.4.1 Transportation Assets and Evacuation Routes

The Village owned or maintained transportation assets and infrastructure were identified and mapped (**Figure 5-6**). The transportation assets include: Village evacuation routes, Village primary major roads, bus shelters, bus routes, and bus stops. The evacuation routes are defined as the main roadway used to exit the Village. The John F. Kennedy Causeway has been identified as the evacuation route. The primary major roads are section or quarter roadways or those leading to the evacuation routes. The primary major roads in the Village are West Dr, East Dr, 79th Stpy, Miami View Dr, Center Bay Dr, Coquina Dr, Beach View Dr, Adventure Ave, Hispanola Ave, E Treasure Dr. Approximately 2.95 miles of primary major roads are identified throughout the Village. As part of the transportation assets inventory, 1.48 miles of trolley routes along with 4 bus stops and 6 bus shelters were identified within the Village. A large-scale map for transportation assets category is provided in **Appendix I**.



Figure 5-6. Transportation Assets

5.4.2 Critical Infrastructure

Figure 5-7 represents all identified critical infrastructure within the Village which includes: thirty-six (36) outfalls and four (4) sanitary sewer pump stations. A large-scale map of all the critical infrastructure is included in **Appendix I**.



Figure 5-7. Critical Infrastructure

5.4.3 Critical Community and Emergency Facilities

The critical community and emergency facilities were identified and presented to the Village staff for final refinements. **Figure 5-8** shows all identified critical community and emergency facilities. This map includes: one (1) city hall, one (1) future city hall, one (1) future community center, one (1) health facility, three (3) schools. A large-scale map of all the critical community and emergency facilities is provided in **Appendix I**.



Figure 5-8. Critical Community and Emergency Facilities

5.4.4 Natural, Cultural, and Historical Resources

The Village owned natural, cultural, and historical resources were identified and presented to the Village staff for final refinements (**Figure 5-9**). A total of two (2) parks were identified within North Bay Village. A large-scale map of these parks is included in **Appendix I**.



Figure 5-9. Natural, Cultural, and Historical Resources Assets

6.0 Exposure Analysis

An exposure analysis provides information about the elements and critical assets that are in flood-prone areas or areas at risk of flooding and allows a community to understand risk in terms of spatial extent and level of exposure. The results of exposure analysis are important and useful as the base of plans and interventions on preparedness, early warning, response recovery, and mitigation to decision-makers. The purpose of the exposure analysis is to identify the depth of water caused by sea level rise, groundwater level rise, and rainfall increase, as well as compound storm surge flood scenarios. In the current effort, we have conducted exposure analysis for three different timeframes: the current condition and two projected sea-level rise scenarios for two planning horizons:

- Current Conditions
- NOAA 2017 intermediate-low sea level rise projection for the year 2040
- NOAA 2017 intermediate-high sea level rise projection for the year 2040
- NOAA 2017 intermediate-low sea level rise projection for the year 2070
- NOAA 2017 intermediate-high sea level rise projection for the year 2070

Six (6) design storm events with an addition of a no rainfall event were considered in each scenario outlined above for the exposure analysis:

- 5-Year, 24-Hour design storm event
- 10-Year, 24-Hour design storm event
- 25-Year, 72-Hour design storm event
- 100-Year, 72-Hour design storm event
- 500-Year, 72-Hour design storm event
- 1000-Year, 72-Hour design storm event
- No Rainfall, 72-Hour design storm event

Moreover, the exposure analysis encompassed compound flooding scenarios, including storm surge conditions for Category 1 and Category 5 hurricanes, maintaining the same current and projected future planning horizons. In this context, three (3) design storm events, including an additional event in the absence of rainfall, were considered for the compound exposure analysis:

- 100-Yar, 72-Hour design storm event
- 500-Year, 72-Hour design storm event
- 1000-Year, 72-Hour design storm event
- No Rainfall, 72-Hour design storm event

Exploring this diverse range of scenarios and storm events will provide the Village with insights into the potential impacts of sea-level rise and storm surges on the studied area. This holistic approach ensures a robust understanding of the risks and helps inform future planning and decision-making processes.

6.1.1 Background

Two fully integrated one-dimensional (1D) and two-dimensional (2D) hydrologic/hydraulic (H&H) models were developed for North Bay Village Storm Water Master Plan (SWMP) in 2022: one for the Treasure Island (TI) and the other for the North Bay Island (NBI) and Harbor Island (HI). The models were developed using the latest version of Streamline Technologies' Interconnected Channel and Pond Routing Model (ICPR4v4.07.08). The ICPR4 models were applied to accurately assess existing and future (Year 2060) flood protection level of services (FPLOS) within the islands. The ICPR4 model is a hydrodynamic model developed by Streamline Technologies, Inc. that simulates hydrologic and hydraulic conditions by generating runoff hydrographs and dynamically routing these hydrographs through dendritic, diverging, looped, and/or bifurcated stormwater management systems.

The ICPR4v4 expert version includes two-dimensional (2D) overland flow and groundwater components that can be used as a replacement or supplement to the traditional 1D basin runoff method. For the 2D component, ICPR4v4 creates a flexible triangular mesh based on a specified resolution and several landscape features such as land use, topography, and overland flow roughness. Honeycombs, which act like control volumes, are formed around the triangle's vertices and produce different hydrological responses based on specified parameters and the mapping of various landscape characteristics. Mass balance is calculated for each control volume to calculate excess rainfall. Runoff velocities are calculated using Manning's equation using the interpolated topography and slopes along the sides of the mesh triangles. The existing condition of the SWMP models served as the foundation for developing the exposure analysis models. A summary of the existing models' conditions is presented below.

6.1.2 North Bay Village SWMP (Existing Conditions Model)

As discussed in Section 2.1.1, two 1D/2D H&H models were developed for the NBV Stormwater Master Plan (SWMP) in 2022, one for the TI and the other for the NBI and HI. The models were used as the basis of the model

developments for the exposure analysis. The SWMP model on the existing condition was developed using several collected and developed data, including measured rainfall event data, for model validation.

The key model parameters for setting up the 2D flexible mesh and 2D model components are listed below. Definitions and a summary of these elements are explained in the following pages. More details are provided in the 2022 North Bay Village SWMP Final Report.

- Overland Flow Region
- Land Use & Roughness Zones
- Tidal Water Level & Design High Water (DHW)
- Excess Rainfall Method & Soil Zones
- Extrusion Zones
- Pond Control Volumes
- Topography & Overland Mesh
- Rainfall Zones & Storm Events
- Hydraulic Model Parameterization

Overland flow region: The OFR was defined as the limit of the 2D model domain and is developed to incorporate the geographical bounds of the islands (**Figure 6-1**). The spatial extent of the Village was separated into two (2) different OFRs, referred to as NBV East and NBV West, to facilitate model simulation times. As can be discerned from the Figure, the OFR for NBV East represents TI. It is bordered by the Bay along its entire perimeter. Likewise, the OFR for NBV West represents NBI and HI, which is also bounded by Biscayne Bay along all sides. In total, NBV East and NBV West encompass an area of about 148 and 86 acres, respectively. See **Figure 6-1** for the limit of the 2D model overland flow region for the SWMP.



Figure 6-1. Defined 2D Overland Flow Region

Land Use & Roughness Zones: Existing land use data layer was sourced from Miami-Dade County's Open Data Hub and reviewed against aerial topography. **Figure 6-2** and **Figure 6-3** present existing land use data layers on TI, and NBI & HI, respectively. It must be noted that the existing land use data layers were updated to accurately represent the complete development across the Village for future conditions. The vacant land cover zones were replaced with the land cover zones anticipated for future development. The future land cover zones were used in the future condition model of the SWMP.

The land use information and building footprint data were utilized to establish the overland roughness zones for the model domain. Each zone was given applicable attributes according to their land use type, including manning's n roughness values for shallow and deep-water conditions (See **Table 6-1**).

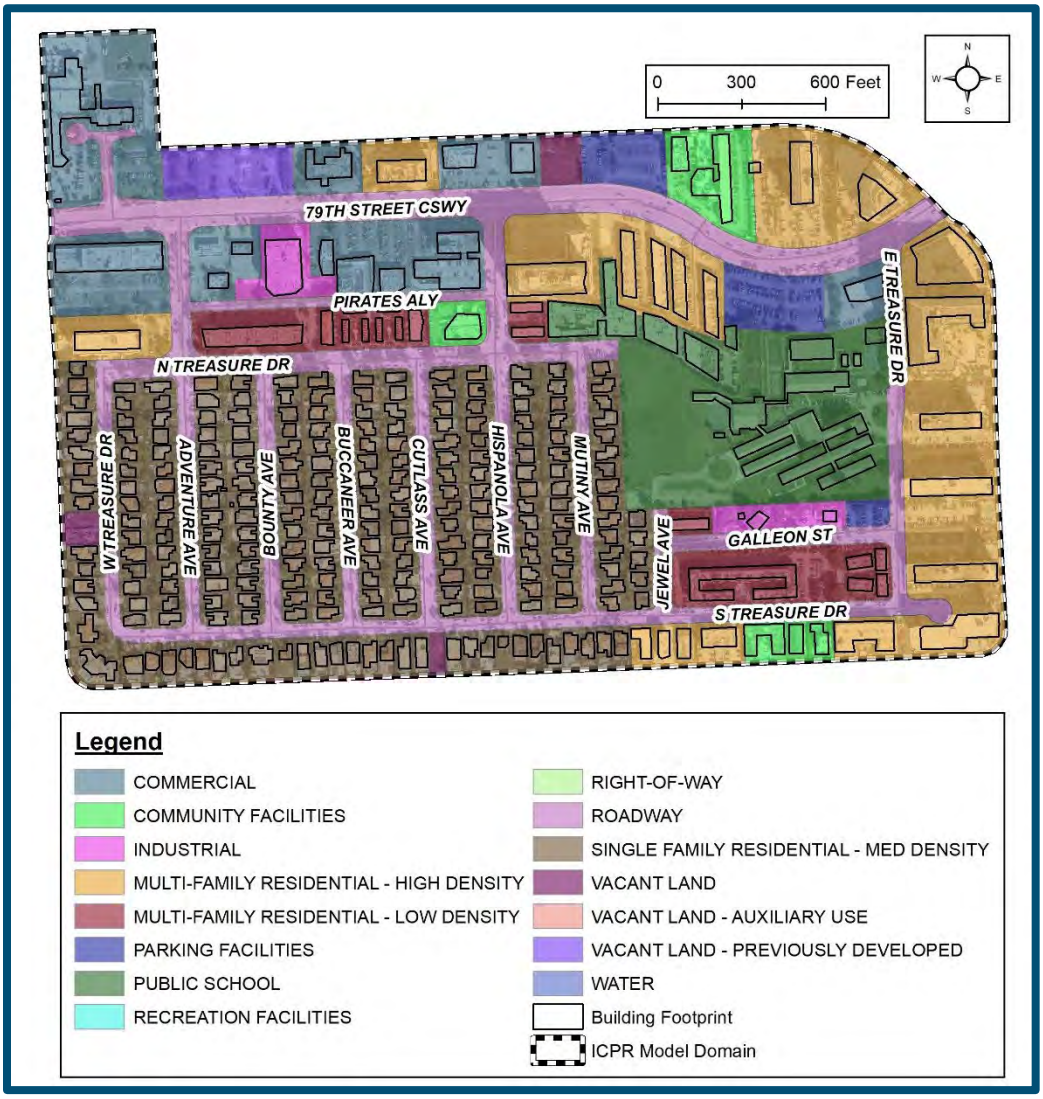


Figure 6-2. Land Use Coverage on TI

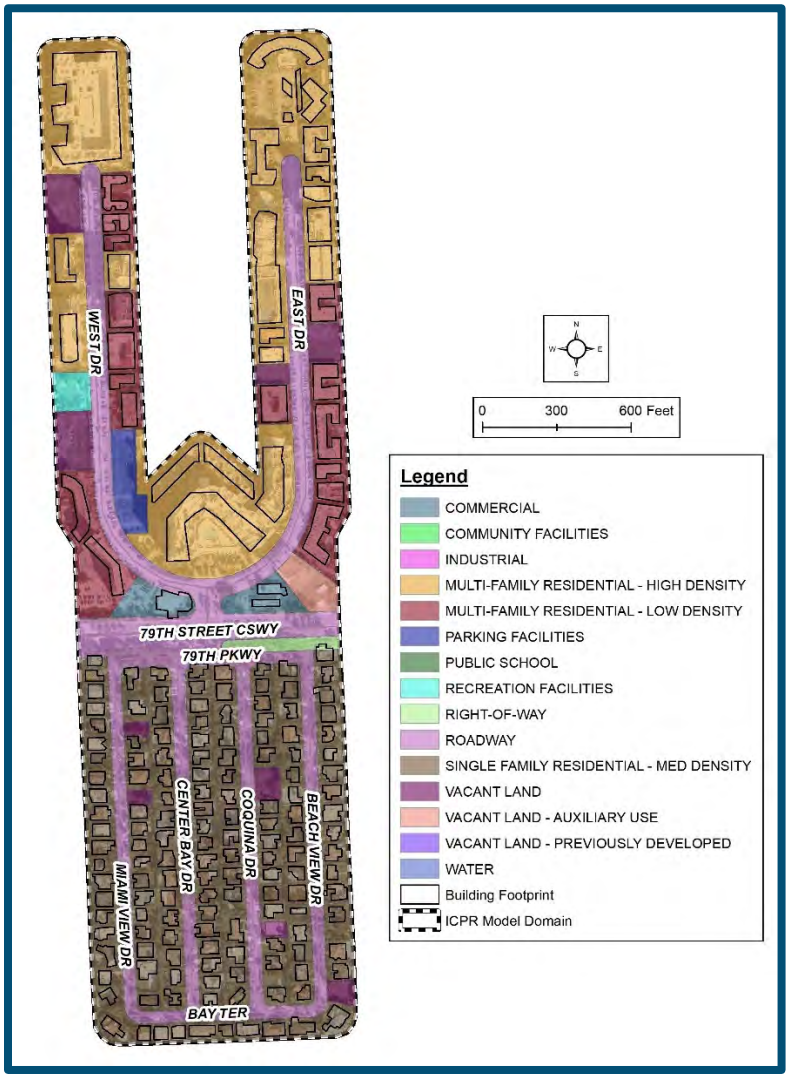


Figure 6-3. Land Use Coverage on NBI and HI

Table 6-1. Overland Roughness Information

Land Use	*Shallow Manning's N*	*Deep Manning's N*	*Depth Range (ft)*	*Area Reduction Factor*
BUILDING FOOTPRINTS	0.06	0.03	3	1
COMMERCIAL	0.06	0.03	3	1
COMMUNITY FACILITIES	0.06	0.03	3	1
INDUSTRIAL	0.06	0.03	3	1
MULTI-FAMILY RESIDENTIAL – HIGH DENSITY	0.06	0.03	3	1
MULTI-FAMILY RESIDENTIAL – LOW DENSITY	0.06	0.03	3	1
PARKING FACILITIES	0.06	0.03	3	1
PUBLIC SCHOOL	0.2	0.1	3	1
RECREATION FACILITIES	0.2	0.1	3	1
RIGHT-OF-WAY	0.2	0.1	3	1
ROADWAY	0.06	0.03	3	1

Land Use	*Shallow Manning's N*	*Deep Manning's N*	*Depth Range (ft)*	*Area Reduction Factor*
SINGLE-FAMILY RESIDENTIAL – MED DENSITY	0.06	0.03	3	1
VACANT LAND	0.2	0.1	3	1
VACANT LAND – AUXILIARY USE	0.2	0.1	3	1
VACANT LAND – PREVIOUSLY DEVELOPED	0.2	0.1	3	1
WATER	0.2	0.1	3	1

Tidal Water Levels & Design High Water (DHW): The model's tidal boundary conditions were developed from water levels observed at the Virginia Key Tidal Station during a six-year period (2015 through 2020). Water levels from a certain date range were used to reflect tailwater conditions at the time of the calibration storm event simulation. For design storm simulations, an average of six (6) year high and low water levels from King Tide events were employed (**Table 6-2**). The highest and lowest water levels were then averaged to establish the tidal design high water (DHW) level of 0.65 ft NAVD88 for the existing condition. In terms of pattern, the average high and low water levels indicated a semi-diurnal shape form (**Figure 6-4**). To reflect a "worse-case" scenario, the highest levels were timed to correspond with the drainage system's peak flows that occur at Hour 12 and 60 for the 24- and 72-Hour storm events, respectively. It must be noted that this utilized DHW value does not account for expected future sea-level or groundwater rise.

Table 6-2. Tidal Elevation and Design High Water

Description	*Water Level (ft, NAVD88)*
Average High King Tide	2.05
Average Low King Tide	-0.75
Design High Water	0.65

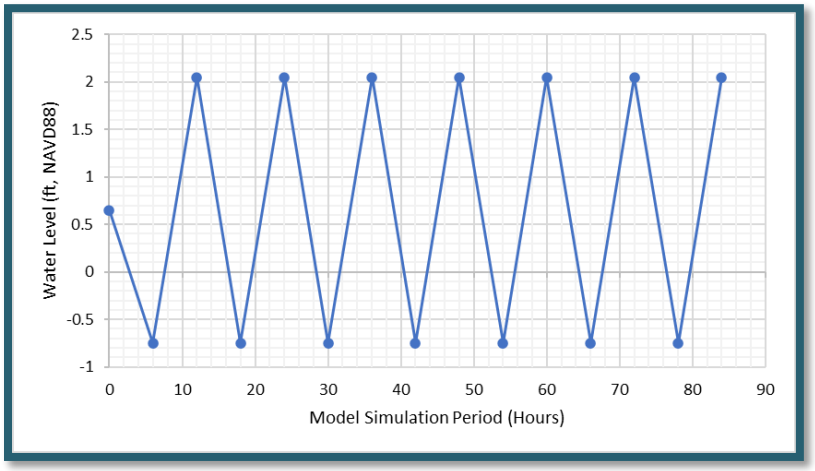


Figure 6-4. Variable Water Levels for Boundary Conditions

Excess Rainfall Method & Soil Zones: The drainage model comprises the selection of an infiltration methodology to calculate the amount of rain expected to be stored in the soil. The South Florida Water Management District (SFWMD) methodology on the soil moisture storage capability (S) was used for estimating runoff volume based on soil types, groundwater levels, land use/cover, and antecedent conditions. Based on the methodology, reference storage values for the coastal compacted soil were used to construct a composite curve number (CN) that captures site-specific soil storage, while taking impermeable areas into account. The soil zone was defined in five (5) classes based on the depth of the Seasonal High Water Table (SHWT). **Table 6-3** presents the soil zone categories while **Table 6-4** provides the applied CN to each land cover and soil zone. The soil zone for the TI is provided in **Figure 6-5**, and that is provided in **Figure 6-6** for the NBI and HI.

Table 6-3. Soil Zone Classification in Existing Conditions Model

Soil Zone	Depth (ft-NAVD88)
Zone 1	< 1.0
Zone 2	1.0 to 2.0
Zone 3	2.0 to 3.0
Zone 4	3.0 to 4.0
Zone 5	> 4.0

Table 6-4. Applied Curve Number to each Land Cover Zone Type and Classification

Land Cover Zone	Curve Number (CN)				
	Soil Zone 1	Soil Zone 2	Soil Zone 3	Soil Zone 4	Soil Zone 5
COMMERCIAL	99.46	98.62	96.06	92.70	91.06
COMMUNITY FACILITIES	99.55	98.85	96.70	93.84	92.44
INDUSTRIAL	99.11	97.72	93.61	88.39	85.94
MULTI-FAMILY RESIDENTIAL - HIGH DENSITY	99.55	98.85	96.70	93.84	92.44
MULTI-FAMILY RESIDENTIAL - LOW DENSITY	97.16	92.96	81.83	70.09	65.29
PARKING FACILITIES	99.55	98.85	96.70	93.84	92.44
PUBLIC SCHOOL	97.37	93.47	82.99	71.74	67.08
RECREATION FACILITIES	97.16	92.96	81.83	70.09	65.29
RIGHT-OF-WAY	98.89	97.17	92.13	85.90	83.02
ROADWAY	99.64	99.08	97.34	95.01	93.86
SINGLE FAMILY RESIDENTIAL - MED DENSITY	96.53	91.47	78.54	65.57	60.44
VACANT LAND	95.78	89.75	74.92	60.85	55.50
VACANT LAND - AUXILIARY USE	96.53	91.47	78.54	65.57	60.44
VACANT LAND - PREVIOUSLY DEVELOPED	98.67	96.62	90.71	83.55	80.30

Land Cover Zone	Curve Number (CN)				
	Soil Zone 1	Soil Zone 2	Soil Zone 3	Soil Zone 4	Soil Zone 5
WATER	100.00	100.00	100.00	100.00	100.00
BUILDING FOOTPRINTS	100.00	100.00	100.00	100.00	100.00

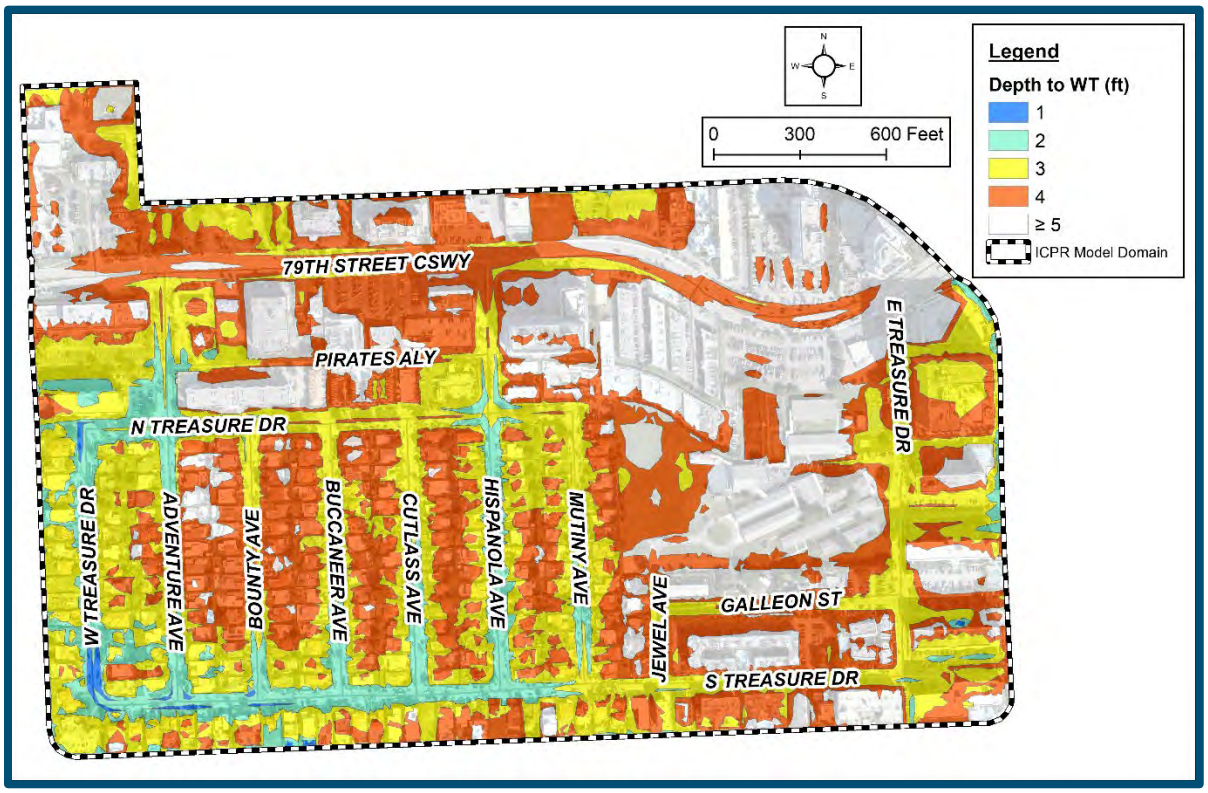


Figure 6-5. Soil Zone for the TI

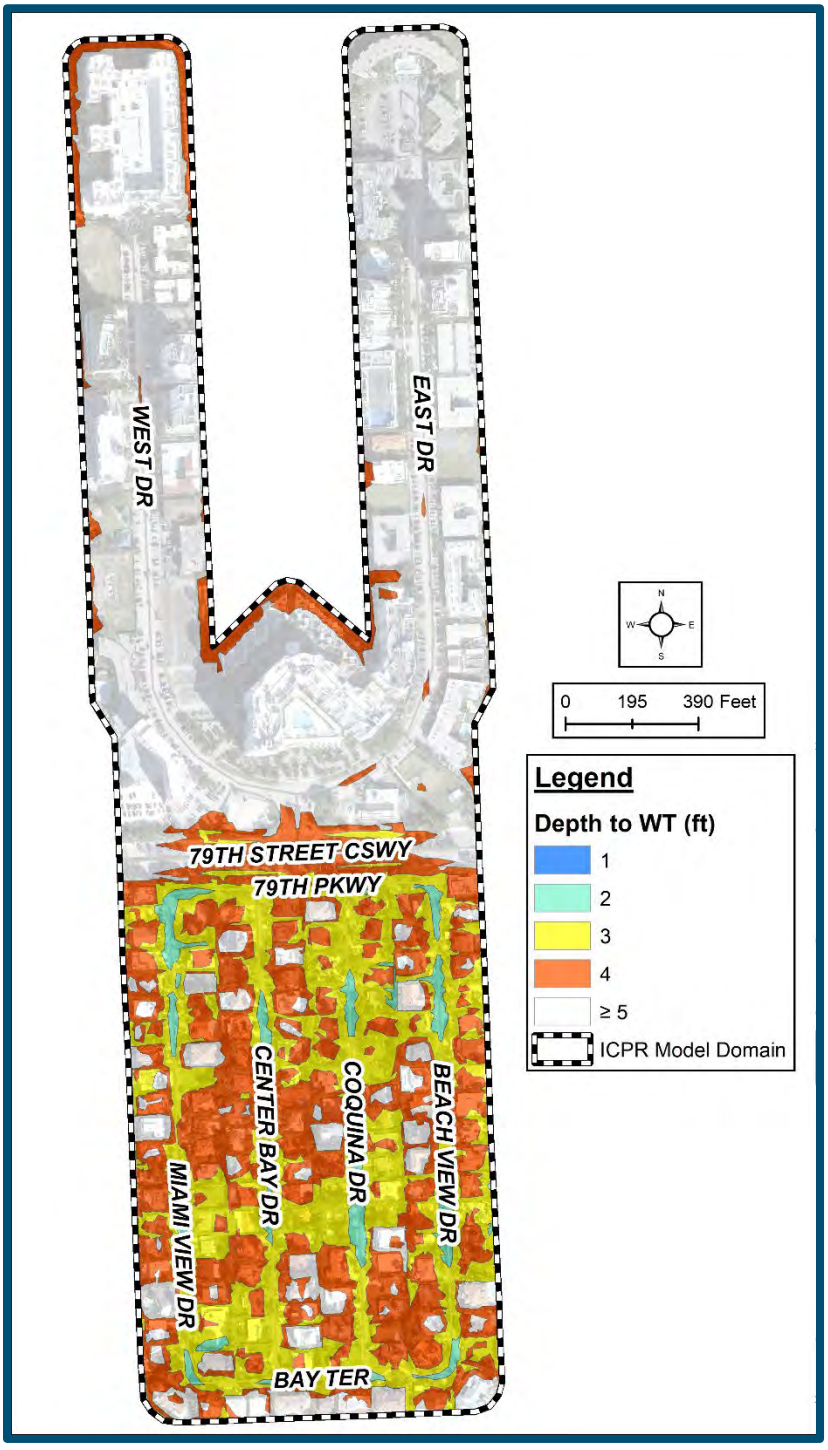


Figure 6-6. Soil Zone for the NBI and HI

Extrusion Zones: Extrusion areas were developed to simulate obstructions to overland flow, representing structures like residential homes and hotels (**Figure 6-7**). The ICPR4v4 software assumes these areas are 100% impervious without initial abstractions. Excess rainfall within the area flows out proportionally along its

perimeter. Polygon shapefiles for existing building structures were obtained from Miami-Dade County GIS and adjusted to reflect current field conditions. Vacant lots were treated as developed for future analysis.



Figure 6-7. Extrusion Zones

Pond Control Volumes: Pond control volumes (PCVs) are polygonal areas in the 2D overland mesh representing private properties with their own stormwater management systems and no discharge to Village's storm sewer. Each PCV has a unique node assigned a stage-area relationship derived from the ground surface DEM in the model. See for the developed PCVs in the model domain.

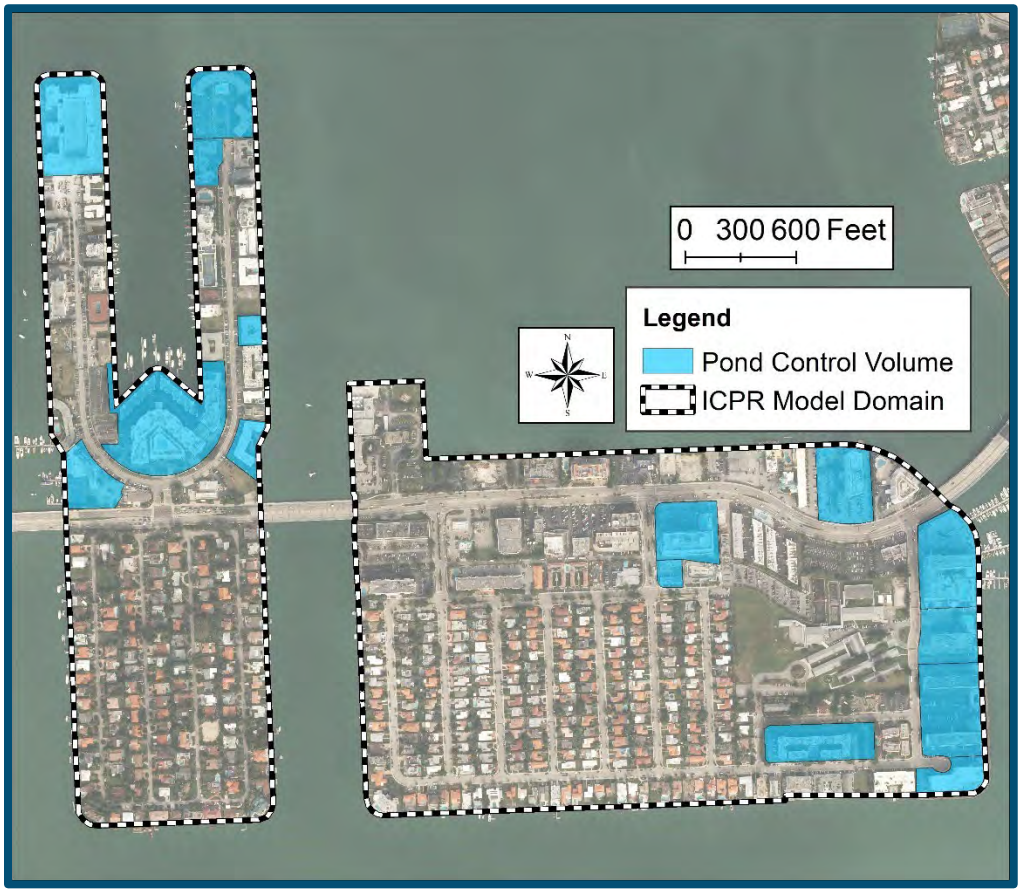


Figure 6-8. Pond Control Volumes

Topography & Overland Mesh: The model used Miami-Dade County's DEM for topographic data representation. Breakpoints, break lines, boundary stage lines, and 2D weirs were added to characterize the terrain and tidal conditions. They refined the overland flow mesh and captured critical features. The DEM and manual identification were used for break lines. Boundary stage lines defined Biscayne Bay's tidal conditions. These elements enabled an accurate analysis of drainage patterns.

Rainfall Zones & Storm Events: Spatial rainfall data for the calibration storm event was obtained from SFWMD's GIS data repository using NEXRAD information on a 2km grid. Rainfall estimates were retrieved for a 54-hour period. The grid was adjusted to account for known exfiltration trench systems. Four (4) design storm events were simulated, with rainfall depths derived from NOAA's Atlas 14. Different rainfall distributions were used for the 24-Hour and 72-Hour events. Design storm events with 5-year return periods were used for residential and commercial systems, while 10-year return periods were used for arterial roads. The 100-year return period determined base flood elevation.

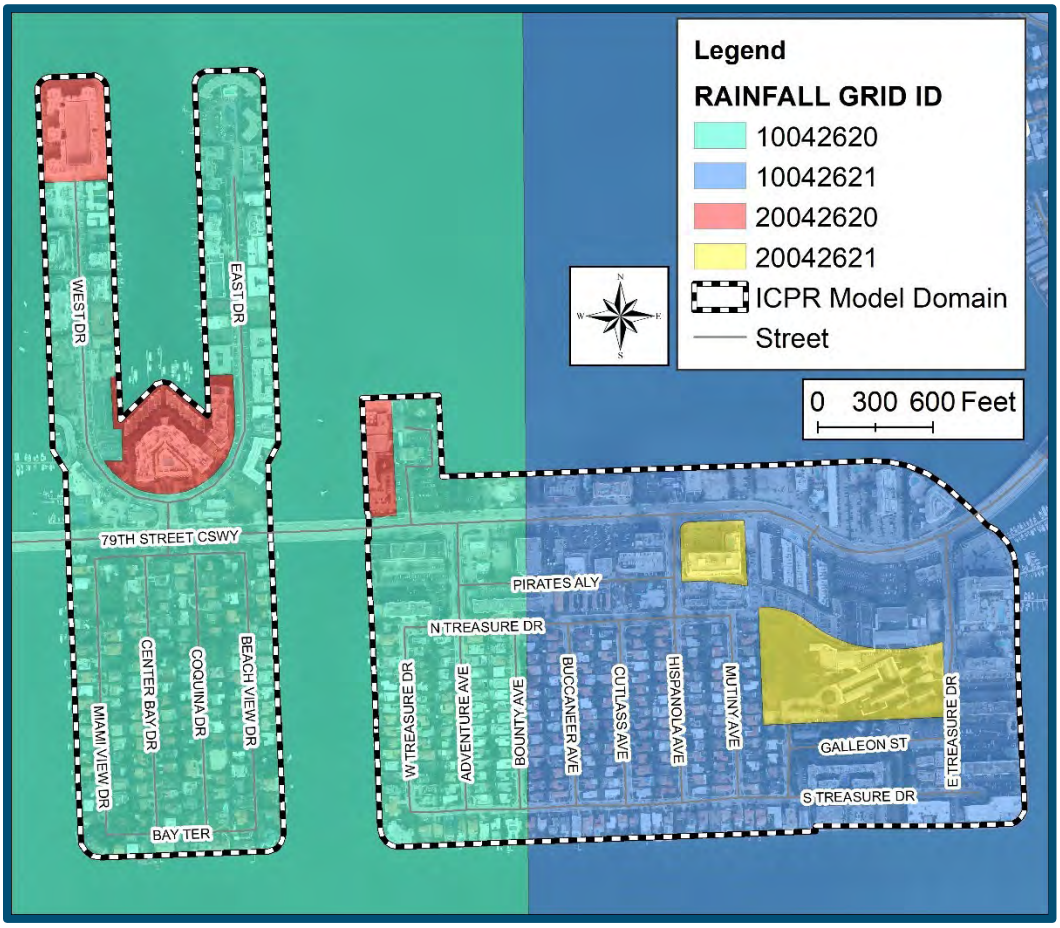


Figure 6-9. NEXRAD Rainfall Grid Coverage

Table 6-5. Design Storm Rainfall Depths

Design Storm Event	Rainfall Amount (inches)
5-Year 24-Hour	6.97
10-Year 24-Hour	8.44
25-Year 72-Hour	13.00
100-Year 72-Hour	17.50

Hydraulic Model Parameterization: 1D model components represented underground infrastructure, groundwater, and tidal conditions. Six components were used for the stormwater system: stage/area nodes, time/stage nodes, 1D interface nodes, pipe links, weir links, and rating curve links. These components were applied as below:

Stage/Area Nodes: Stage/area nodes were employed to represent catch basins, manholes, and other drainage infrastructure. The storage capacity of these structures was determined based on dimensions provided in

standard details and as-built drawings. In some cases, the storage values were artificially increased to ensure model stability.

Time/Stage Nodes & Boundary Stage Lines: Boundary stage lines and time/stage nodes represented tidal and groundwater conditions. They interacted with the model's elements to simulate seawall overtopping. Time/stage nodes played a crucial role in establishing tailwater conditions by connecting links within the model. They were primarily assigned to outfall culverts (pipe links) and drainage wells (rating curve links). On the other hand, boundary stage lines were drawn along the model's perimeter to accurately represent the tidal influence. Constant stage elevation represented groundwater conditions, while variable tailwater conditions reflected tidal patterns. Two tidal sets were used: one for the calibration storm event and another based on a six-year average of King tide events measured at NOAA's nearby Virginia Key station (ID: 8723214) for the design storm simulation, which exhibited a semi-diurnal pattern.

1D Node Interface: 1D interface nodes were applied within the model to establish a vital link between the 2D overland surface and the 1D underground storm sewer. These nodes were located on top of drainage inlets, facilitating the entry of overland flow into the stormwater conveyance system. They are placed carefully at low spots, ensuring they accurately represented the points where excessive rainfall enters the drainage system.

Weir Links: Weir links were generally used to represent the baffle structures.

Pipe Links: The conveyance capacity of the current storm sewer system was accurately simulated using pipe links, which connected stage/area and time/stage nodes. The dimensions, materials, and inverts of the pipes were sourced from drainage surveys, as-built drawings, or field investigations. However, it is important to note that detailed as-built information was limited to the existing pump station systems located in specific quadrants. Backflow preventers, represented by check valves, were typically included in the model by specifying one-directional flow for the respective pipe links (outfalls). However, during the surveying process, it was observed that most drainage structures contained standing water, indicating that the backflow prevention devices were likely not functioning properly. Consequently, these devices were not modeled in the simulation.

Rating Curve Link: The rating curve links were used to represent drainage wells and stormwater pumps. For drainage wells, a relationship between stage and discharge was applied, considering groundwater levels and mounding. The maximum flow capacity for pressurized drainage wells was set at 8 feet. Discharge rates varied based on permits, ranging from 650 to 800 gpm for private systems and 70 gpm for the Village's drainage wells. Pump station systems followed a head/discharge relationship, adjusting values for system losses. However, the Village's stormwater pump stations were not operational. Currently, drainage relies on gravity, discharging into the ground through existing drainage wells.

Node-Link Connectivity: The 1D node-link connectivity for the existing condition model of SWMP is provided in **Figure 6-10**.



Figure 6-10. Node-Link Connectivity

6.2 VA Model Development

6.2.1 Introduction

An updated H&H model was developed to conduct the exposure analysis of the future conditions within the Village. The software that was utilized for these efforts was the latest version of Streamline Technologies' ICPR4 (v4.07.08). The 2022 NBV SWMP H&H models were utilized as the basis of this analysis, and specific parameter adjustments were made to simulate the Village's future flooding conditions. To achieve this goal, applicable hydrologic and hydraulic input parameters were updated to account for sea-level rise, groundwater rise, increase in rainfall depths, and storm surge occurrences throughout the Village.

6.2.2 Overland Flow Region

The OFR of the NBV East and NBV West models were updated per the request made by the Village staff to incorporate the connecting bridge on the 79th Street Causeway into the study area (**Figure 6-11** and **Figure 6-12**). These updated model domains increased the study area, where the updated NBV East and the NBV West encompass an area of about 149.95 and 87.19 acres, respectively.



Figure 6-11. Defined 2D Overland Flow Region of NBV East



Figure 6-12. Defined 2D Overland Flow Region of NBV West

6.2.3 Land Use & Roughness Zones

Both the existing and future land use data layers used in the SWMP were carefully updated to align with the new OFR boundary conditions. These revisions notably encompassed the integration of the connecting roadway bridge on the 79th Street Causeway into the land use data layers.

The revised existing and future land use data layers for TI are presented in **Figure 6-13**, while those for NBI and HI are illustrated in **Figure 6-14**. The area for each land use type within the Village exhibited a similarity to the maps employed in the SWMP, except for the land use type attributed to roadways. In this regard, the roadway land use type underwent an expansion of 1.55 acres in TI and 1.21 acres in NBI and HI.

The updated existing land use data was implemented for both the current conditions and its compounded storm surge modeling conditions. Similarly, the revised future land use data layer was incorporated into the models simulating projected future conditions and their corresponding compounded storm surge modeling conditions. Notably, the roughness data layers underwent updates parallel to the adjustments made to the land use data layers, following the prescribed scenarios.

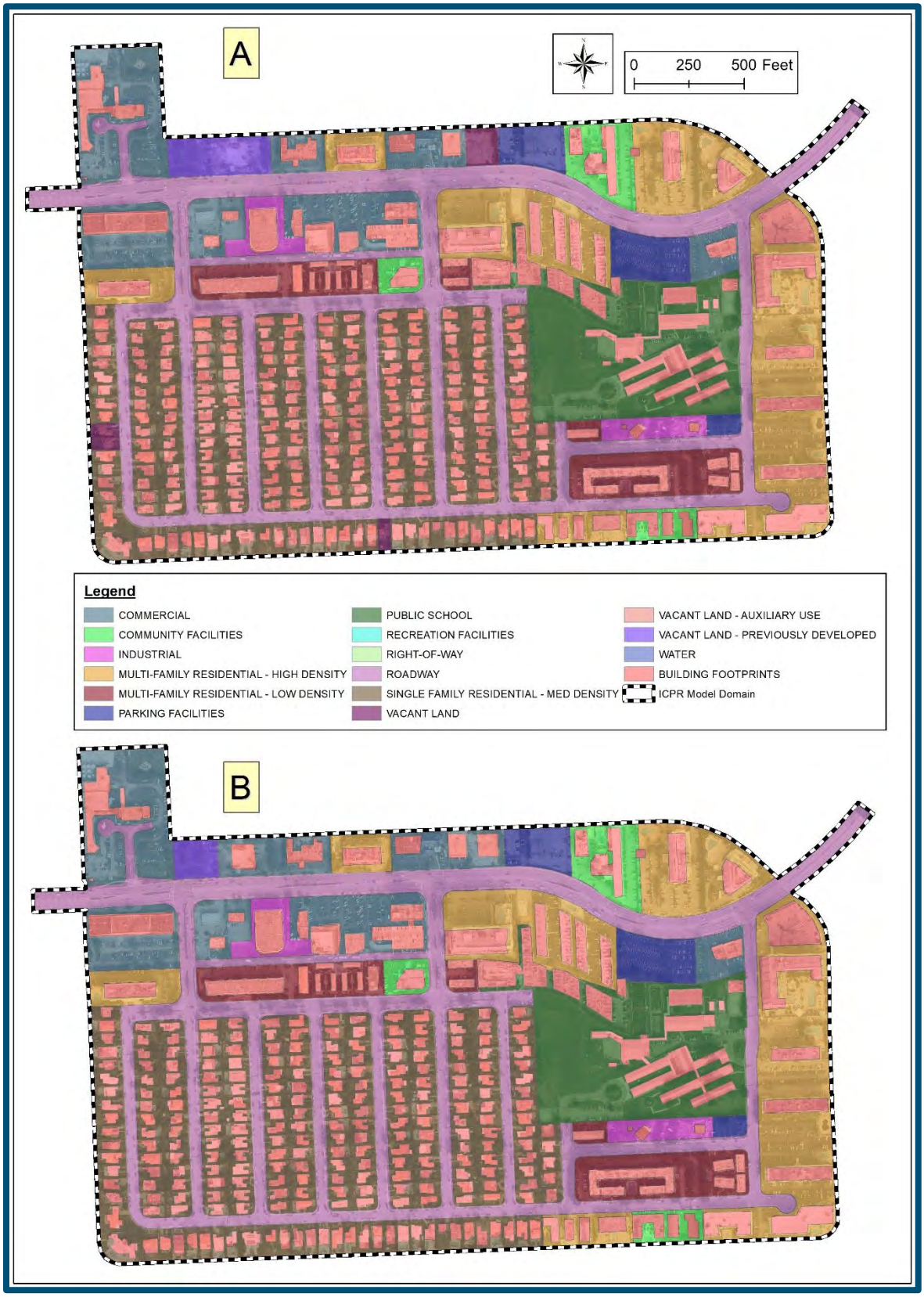


Figure 6-13. Land Use for Current Condition (A) and Future Condition (B) on TI

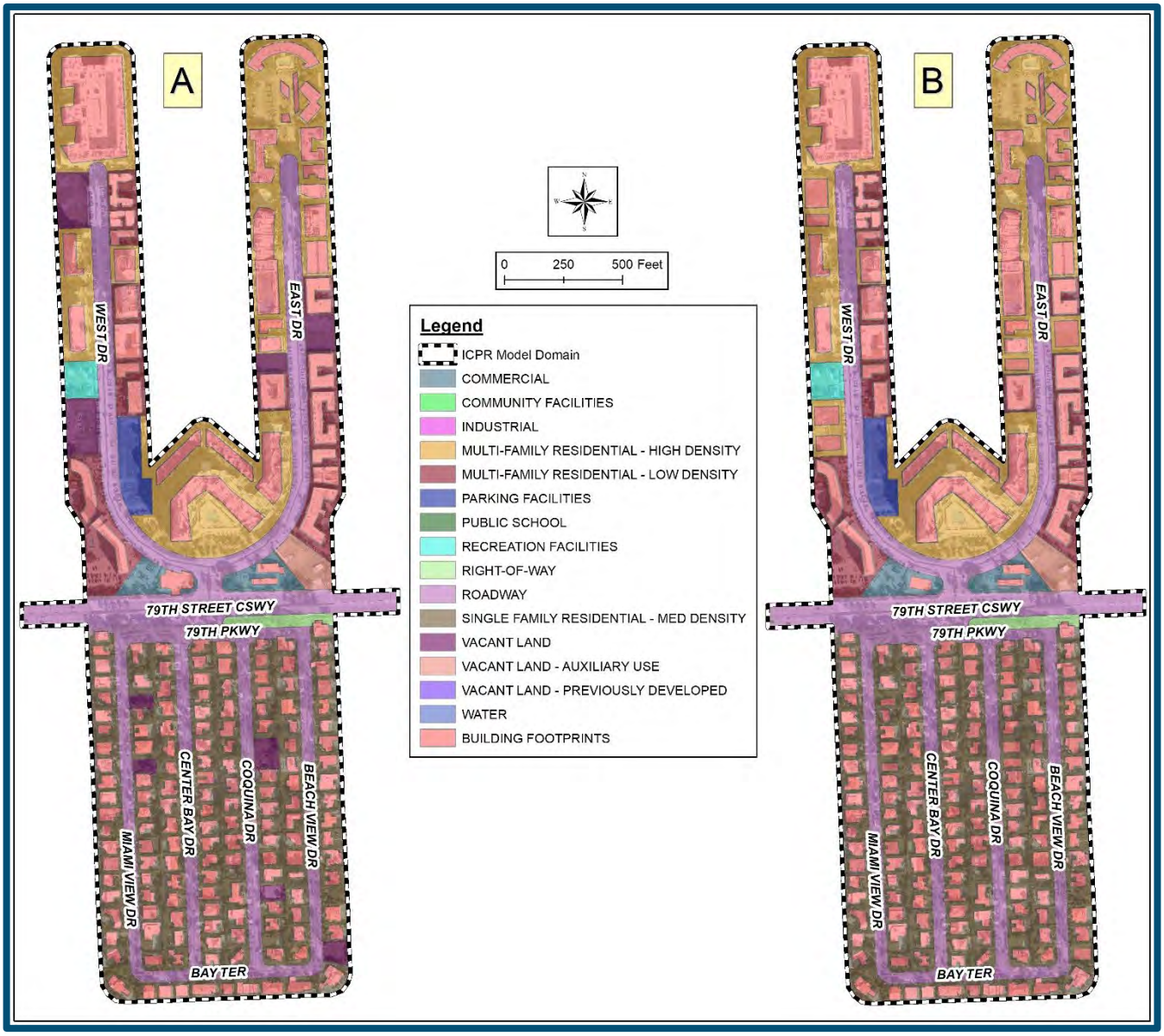


Figure 6-14. Land Use for Current Condition (A) and Future Condition (B) on NBI and HI

6.2.4 Topography

The most recent topographic data in the form of a Digital Elevation Model (DEM) was collected for the Village. This DEM was developed using the latest LiDAR data collected in 2021 by Miami-Dade County's Information Technology Department (ITD). The spatial resolution of the DEM is five (5) foot grid cells that represent the County's bare-earth ground and bridged-removed elevation topography. The DEM dataset's vertical control is based on the North American Vertical Datum 1988 (NAVD88). The elevation of the incorporated roadway bridge on the 79th Causeway was obtained from the 2018 Miami-Dade County LiDAR data and merged with the 2021

DEM. **Figure 6-15** shows the updated topographic information, representative of the year 2021, throughout the Village. This updated DEM was utilized to replace the topographic data in the SWMP model collected in 2018.



Figure 6-15. Village Topographic Map (Representing Year 2021)

6.2.5 Anticipated Rainfall Depth Increases

The rainfall depth for future conditions were determined based on the FIU's SLSC approach, using the given multiplier values referred to as Change Factors (CFs). This method involves three distinct climate datasets: the Coordinated Regional Downscaling Experiment (CORDEX), Localized Constructed Analogues (LOCA), and Multivariate Adaptive Constructed Analogs (MACA). Comparing these datasets, it is evident that the median CF values for the LOCA are lower than the CORDEX and MACA data sets and can lead to lower projected rainfall depths in some rainfall return periods. However, the median CF values for CORDEX generally fall between the median CF values of the LOCA and MACA and are more appropriate for projecting future rainfall depths and therefore adopted as the basis for projecting increases in rainfall depth. Based on the risk tolerance of future

projects and in conjunction with the SWMP report, the median 50th percentile of the dataset was used for CF values, which represents the middle dataset.

The CFs values were used in conjunction with the NOAA Atlas 14 rainfall Depth-Duration-Frequency (DDF) to determine future rainfall depths. **Table 6-6** and **Table 6-7** provide the future rainfall depth of the designed storm events for 2040 and 2070 planning horizons. It must be noted that the CF values were generated using linear regression relationships for the 500-YR, 72-HR and 1000-YR, 72-HR design storm events in this study since FIU has not developed CF values for those types of design storm events.

Table 6-6. Future Rainfall Depth of the Designed Storm Events for the Years 2040

Design Storm Event	Existing Condition Rainfall Depth (in.)	50th Percentile (Median) CF Value	Future Condition Rainfall Depth (in.)
5-YR, 24-HR	6.97	1.08	7.53
10-YR, 24-HR	8.44	1.09	9.20
25-YR, 72-HR	13.00	1.09	14.17
100-YR, 72-HR	17.50	1.14	19.95
500-YR, 72-HR	23.60	1.24*	29.26
1000-YR, 72-HR	27.00	1.39*	37.52

* FIU has not developed a CF value for the 500-YR, 72-HR and 1000-YR, 72-HR storm events for the year 2040, and these values have been generated by a linear regression relationship.

Table 6-7. Future Rainfall Depth of the Designed Storm Events for the Years 2070

Design Storm Event	Existing Condition Rainfall Depth (in.)	50th Percentile (Median) CF Value	Future Condition Rainfall Depth (in.)
5-YR, 24-HR	6.97	1.11	7.74
10-YR, 24-HR	8.44	1.13	9.54
25-YR, 72-HR	13.00	1.11	14.43
100-YR, 72-HR	17.50	1.17	20.48
500-YR, 72-HR	23.60	1.36*	32.18
1000-YR, 72-HR	27.00	1.61*	43.57

* FIU has not developed a CF value for the 500-YR, 72-HR and 1000-YR, 72-HR storm events for the year 2070, and these values have been generated by a linear regression relationship.

6.2.6 Projected Sea Level Rise

The United States Army Corps of Engineers (USACE) has developed a standardized Sea Level Change Curve Calculator, which has been adapted to NOAA scenarios under the Responses to Climate Change Program. This

tool serves as a rapid assessment resource for communities to evaluate changes in sea levels. The standardization of sea level rise projections has proven crucial for water management organizations, as well as local, state, and federal agencies in southeast Florida. The USACE projections are based on the methodologies outlined in Engineer Regulation (ER) 1100-2-8162 - Incorporating Sea Level Changes in Civil Works Programs (USACE 2013a) and Engineer Technical Letter (ETL) 1100-2-1—Procedures to Evaluate Sea Level Change: Impacts, Responses, and Adaptation (USACE 2014). These projections take into account various source scenarios, including the Global and Regional Sea Level Rise Scenarios for the United States (NOAA, 2017). The NOAA's sea level rise projections encompass seven (7) scenario curves, which are as follows:

- NOAA Extreme
- NOAA High
- NOAA Intermediate-High
- NOAA Intermediate
- NOAA Intermediate-Low
- NOAA Low
- NOAA VLM (Vertical Land Movement)

The NOAA Extreme curve is intended to illustrate the upper limit of sea level rise and the impact of significant ice melting. It is included for informational purposes only and is not considered for practical application. On the other hand, the NOAA High Curve is applied when planning, designing, and constructing critical, high-risk projects that are expected to be in service after 2070. It is also utilized for projects that are not easily replaceable or that have critical interdependencies with other infrastructure and services. For short-term or non-critical infrastructure projects in service during or after 2070, the NOAA Intermediate-High curve is recommended.

According to s. 380.093, F.S., the Vulnerability Assessment must incorporate a minimum of two (2) sea level rise projections. Specifically, the 2017 NOAA Intermediate-Low and Intermediate-High sea-level rise scenarios should be taken into account. To obtain these projections, the Virginia Key tide gauge (NOAA Station ID Number 8723214), which is the nearest local tide station, was chosen (see **Figure 6-16**).

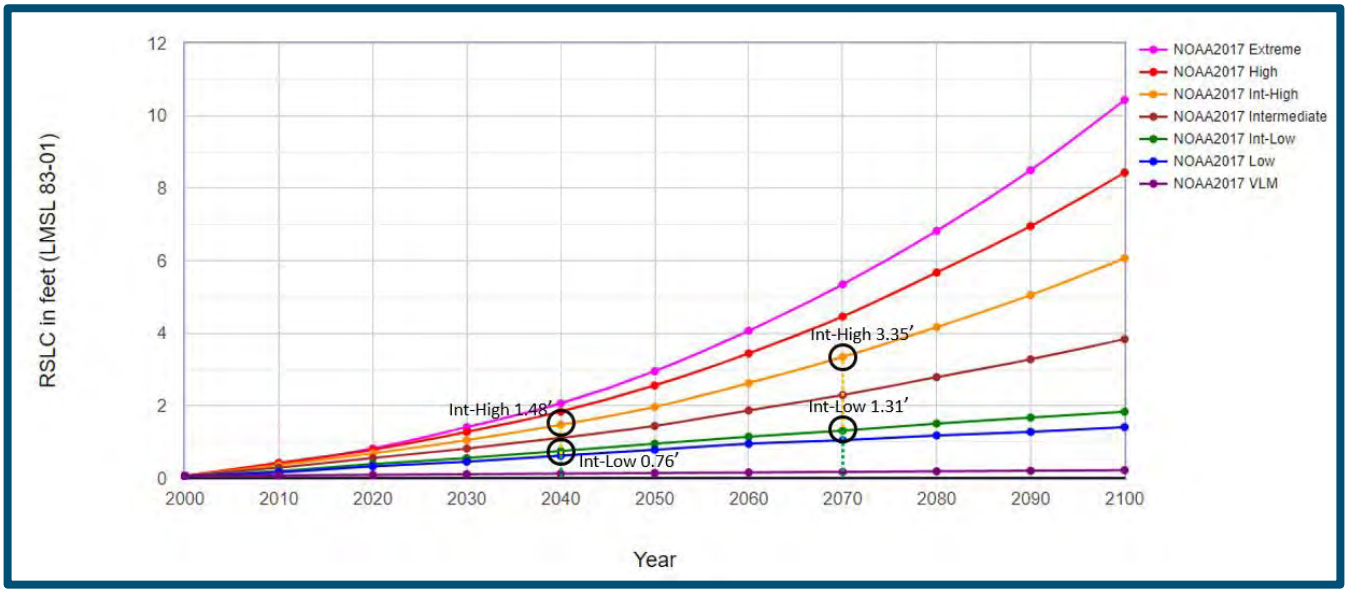


Figure 6-16. NOAA 2017 Sea Level Change Projection for Virginia Key Gauge Station

The projections for sea level rise are established using the sea level data from the year 2000 as the reference elevation. The NOAA tide gauge selected for this purpose is the Virginia Key tidal gauge, which has been recording tidal elevations since 1994. The table displaying the decadal sea level rise observed at this station is presented in .

Table 6-8. Decadal Sea Level Rise: Virginia Key Tide Gauge Station

Year	NOAA2017 VLM (ft.)	NOAA2017 Low (ft.)	NOAA2017 Int-Low (ft.)	NOAA2017 Intermediate(ft.)	NOAA2017 Int-High (ft.)	NOAA2017 High (ft.)	NOAA2017 Extreme (ft.)
2000	0.07	0.07	0.07	0.07	0.07	0.07	0.07
2010	0.08	0.16	0.20	0.30	0.36	0.43	0.39
2020	0.10	0.33	0.39	0.56	0.69	0.79	0.82
2030	0.11	0.46	0.56	0.82	1.05	1.28	1.41
2040	0.13	0.62	0.76	1.12	1.48	1.84	2.07
2050	0.14	0.79	0.95	1.44	1.97	2.56	2.95
2060	0.16	0.95	1.15	1.87	2.63	3.45	4.07
2070	0.18	1.05	1.31	2.30	3.35	4.46	5.35
2080	0.19	1.18	1.51	2.79	4.17	5.68	6.82
2090	0.21	1.28	1.67	3.28	5.05	6.96	8.50
2100	0.22	1.41	1.84	3.84	6.07	8.43	10.43

Considering the critical role the VA will play in the Village's resiliency plan for the coming decades, it is prudent to assess the risks posed to vital assets and infrastructure by considering both the NOAA Intermediate-High and NOAA Intermediate-Low curves. To allow ample time for the Village's adaptation plan, planning horizons for the years 2040 and 2070 have been selected, encompassing the next 20 and 50 years.

By referring to **Figure 6-16** and **Table 6-8**, it becomes evident that between 2000 and 2020, sea levels rose by 8.28 inches following the NOAA Intermediate-High curve and by 4.68 inches following the NOAA Intermediate-Low curve. Looking ahead, the NOAA Intermediate-High curve projects sea level rises of 17.76 inches and 40.2 inches for the years 2040 and 2070, respectively. On the other hand, the NOAA Intermediate-Low curve predicts sea level rises of 9.12 inches for 2040 and 15.72 inches for 2070.

As the SWMP model's boundary conditions were established using the tidal data up until the year 2020, the projected sea level rise value for 2020 was deducted to derive the projected sea level rise for the planning horizons in the years 2040 and 2070. The resulting adjusted values for these planning horizons have been calculated and are presented in **Table 5-1**.

Table 6-9. Projected Decadal Rise in Sea Level with Respect to the Year 2020

Year	Sea Level Rise from the Year 2020 (ft) Intermediate-Low	Sea Level Rise from the Year 2020 (ft) Intermediate-High
2020	-	-
2030	0.17	0.36
2040	0.37	0.79
2050	0.56	1.28
2060	0.76	1.94
2070	0.92	2.66

6.2.7 Groundwater Level Rise

Considering the projected sea-level rise, it was essential to consider potential changes in future groundwater conditions. The US Geological Survey (USGS) in collaboration with the Miami-Dade County Water and Sewer Department (WASD), published a report in 2016 investigating the hydrologic conditions within the County and how groundwater pumpage and rising sea levels would impact regional groundwater flow. The study revealed a direct (1:1) relationship between the groundwater table rises and sea-level increases for coastal communities. A copy of the report can be accessed through the following link: USGS Scientific Investigations Report 2014-5162. In addition, the same direct (1:1) relationship between the groundwater table and sea-level increases was used in future conditions of NBV SWMP. According to these reports, it is expected that groundwater within the Village will rise in tandem with the projected sea-level rise. Consequently, the Vulnerability Assessment study predicted that 1.0 feet of groundwater rise is expected per 1.0 foot of sea level rise within the Village. Upon this finding, the amount of groundwater rise per sea level rise projections for each planning horizon was calculated and presented in **Table 6-10**.

Table 6-10. Projected Decadal Rise in Groundwater Level under the Impact of Sea Level Rise

Year	DHW (ft, NAVD88) Intermediate Low	DHW (ft, NAVD88) Intermediate High
2020	0.65	0.65
2030	0.82	1.01
2040	1.02	1.44
2050	1.21	1.93
2060	1.41	2.59
2070	1.57	3.31

6.2.8 Soil Zones

The soil zone element determines the total amount of rainfall that is anticipated to be infiltrated and stored within the soil (i.e., ground). The depth of the water table must be considered throughout the model domain to account for the current and future soil storage. Following the SCS approach that was also utilized in the SWMP, the soil zone in each scenario was generated by subtracting the DHW stage from the 2021 DEM elevations and categorizing them into five (5) different classes. The DHW in each scenario was determined by considering the projected groundwater level under the impact of sea level rise for each planning horizon (See **Table 6-10**).

6.2.8.1 Current Soil Zones

The current soil zone for TI, as well as NBI and HI, were generated by subtracting the current DHW stage from the 2021 DEM elevations and categorizing them into five (5) different classes (See **Figure 6-17** and **Figure 6-18**). The produced soil zone data layers were utilized in the current conditions model development to reflect the soil storage capacity within the Village for the current conditions. The same soil zone was also utilized in the current condition storm surge modeling scenario as well.

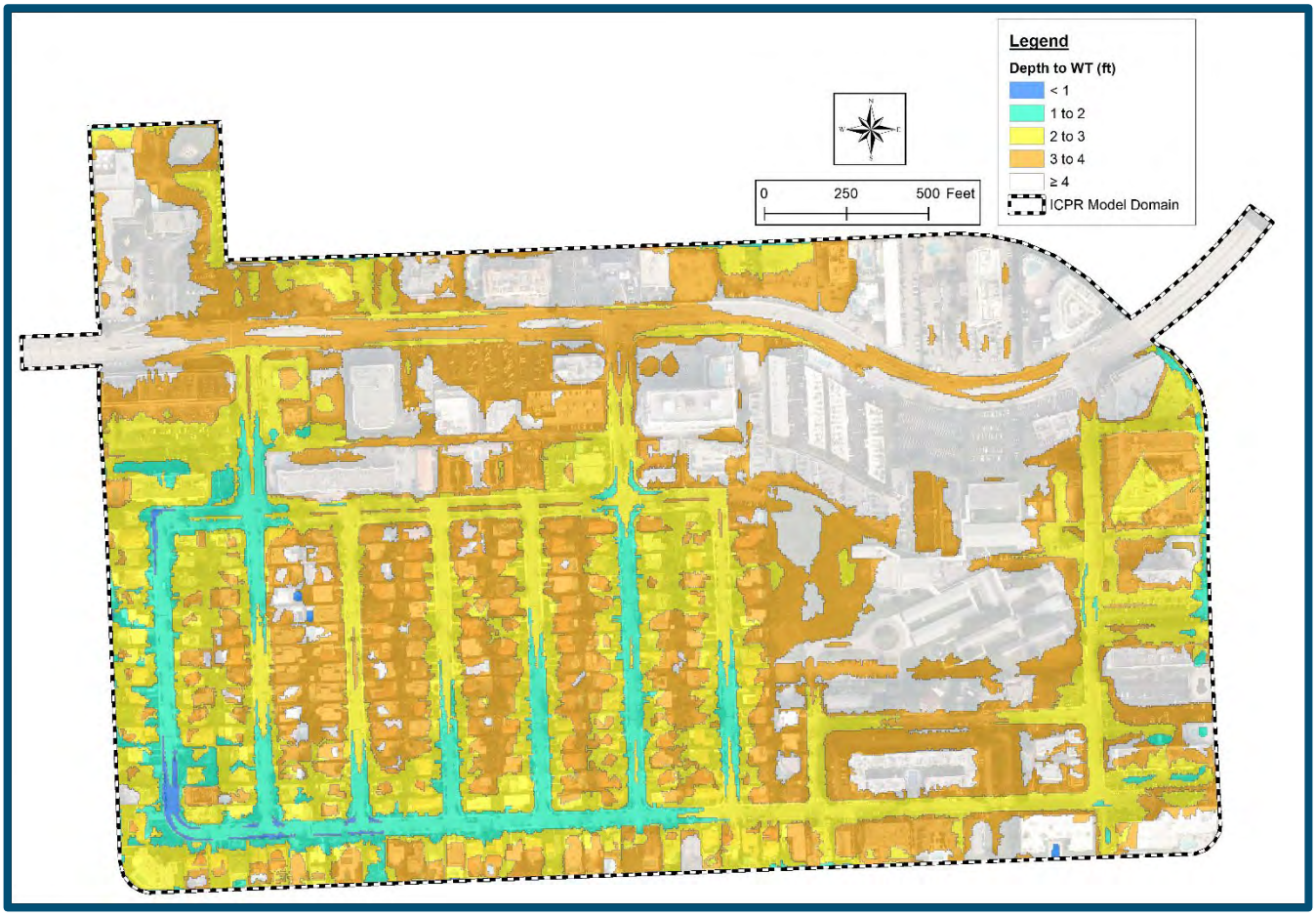


Figure 6-17. TI Current Condition Soil Zones

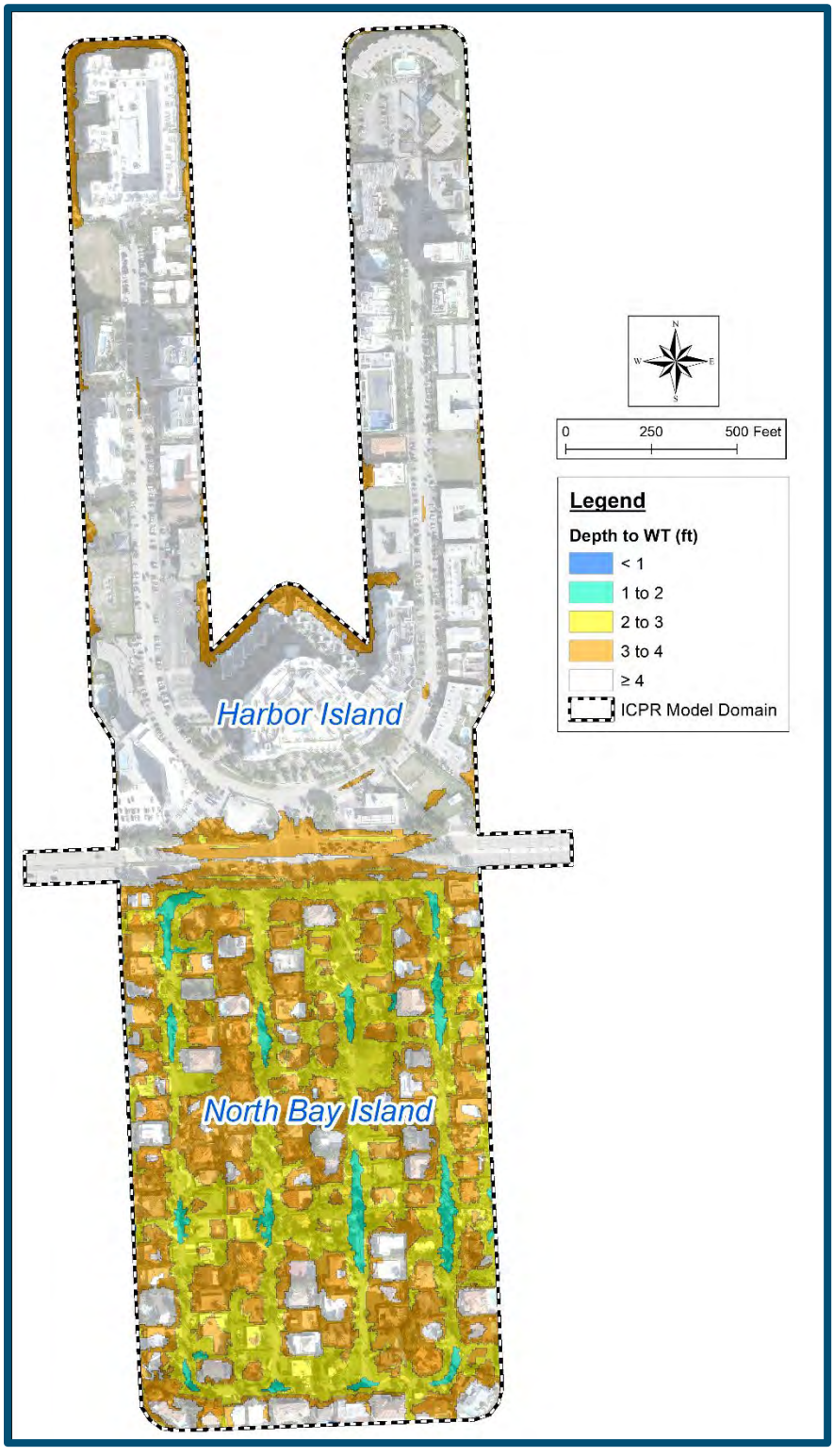


Figure 6-18. NBI and HI Current Condition Soil Zones

6.2.8.2 Future Soil Zones

The future soil zone in each scenario was generated by subtracting the future DHW stage from the 2021 DEM elevations and categorizing them into five (5) different classes. Four (4) future soil zone data layers were created representing Intermediate-Low and -High scenarios of the year 2040 and Intermediate-Low and -High scenarios of the year 2070 (see **Figure 6-19** to **Figure 6-22**). The produced soil zone data layers were utilized in the future conditions model development to reflect the soil storage capacity within the Village for the two (2) future planning horizons. The soil zone maps were also utilized in the future condition storm surge modeling scenario as well.



Figure 6-19. TI Future Condition Soil Zones for the Year 2040 (A: Intermediate-Low, B: Intermediate-High)

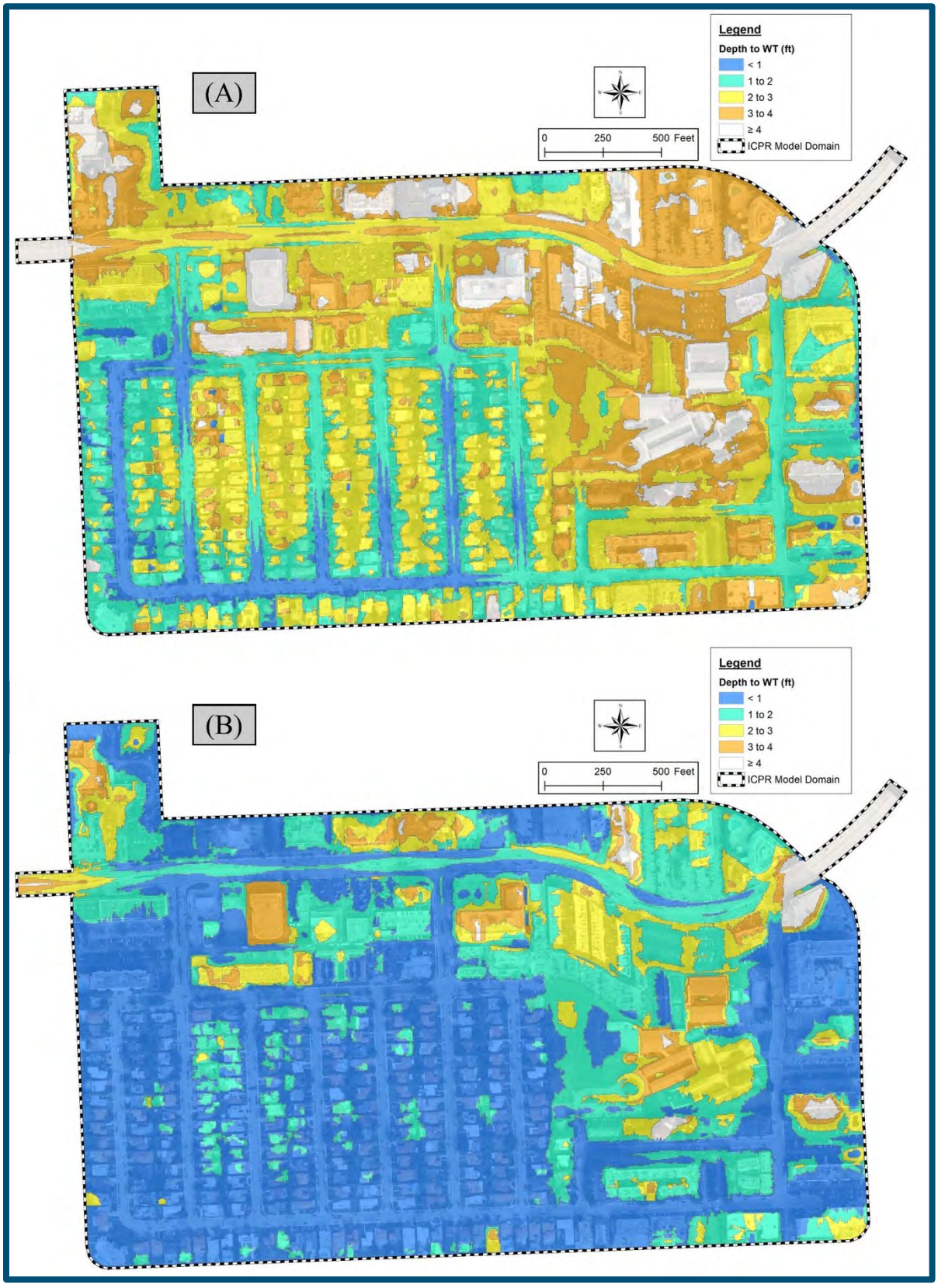


Figure 6-20. TI Future Condition Soil Zones for the Year 2070 (A: Intermediate-Low, B: Intermediate-High)

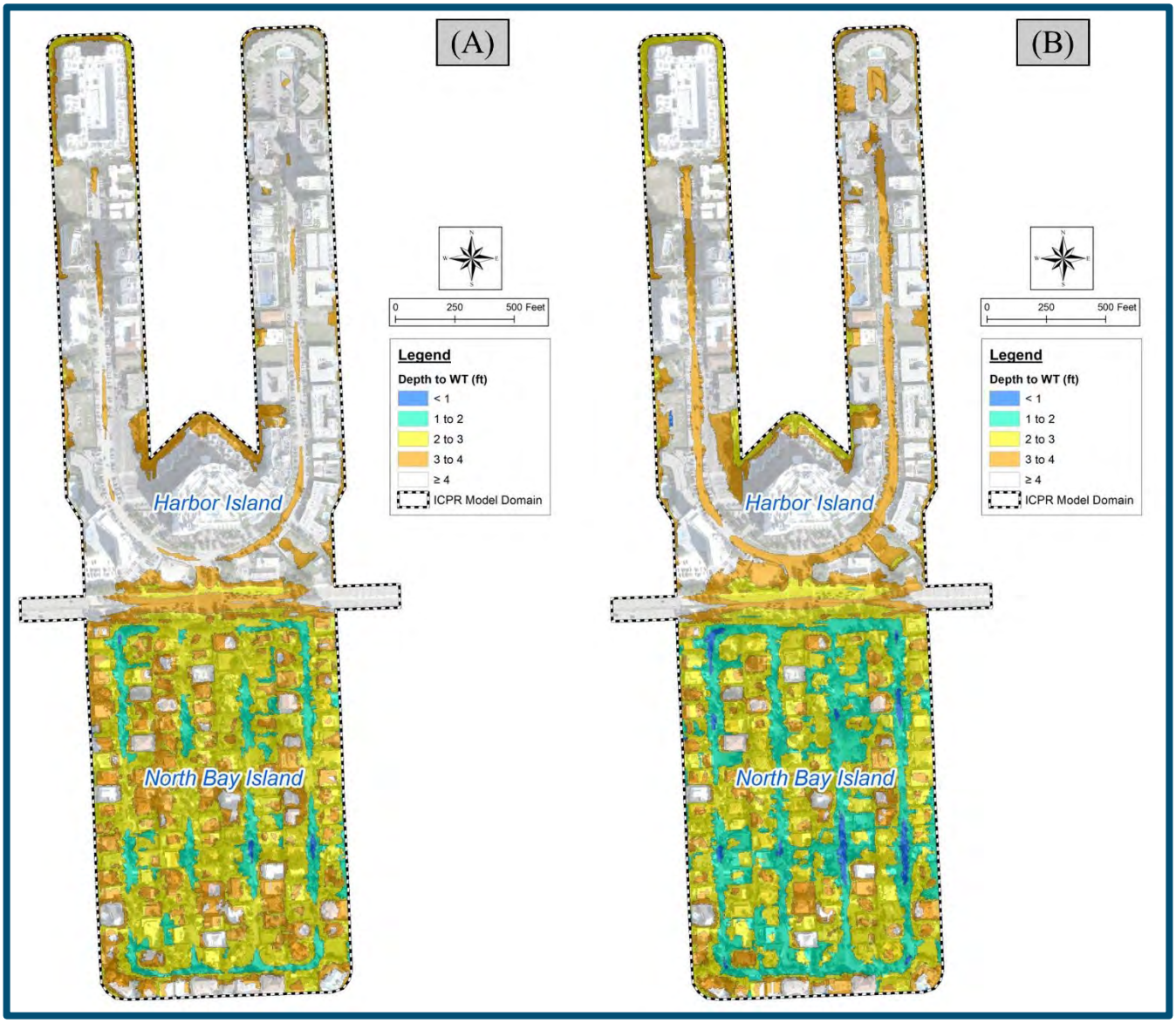


Figure 6-21. NBI and HI Future Condition Soil Zones for the Year 2040 (A: Intermediate-Low, B: Intermediate-High)

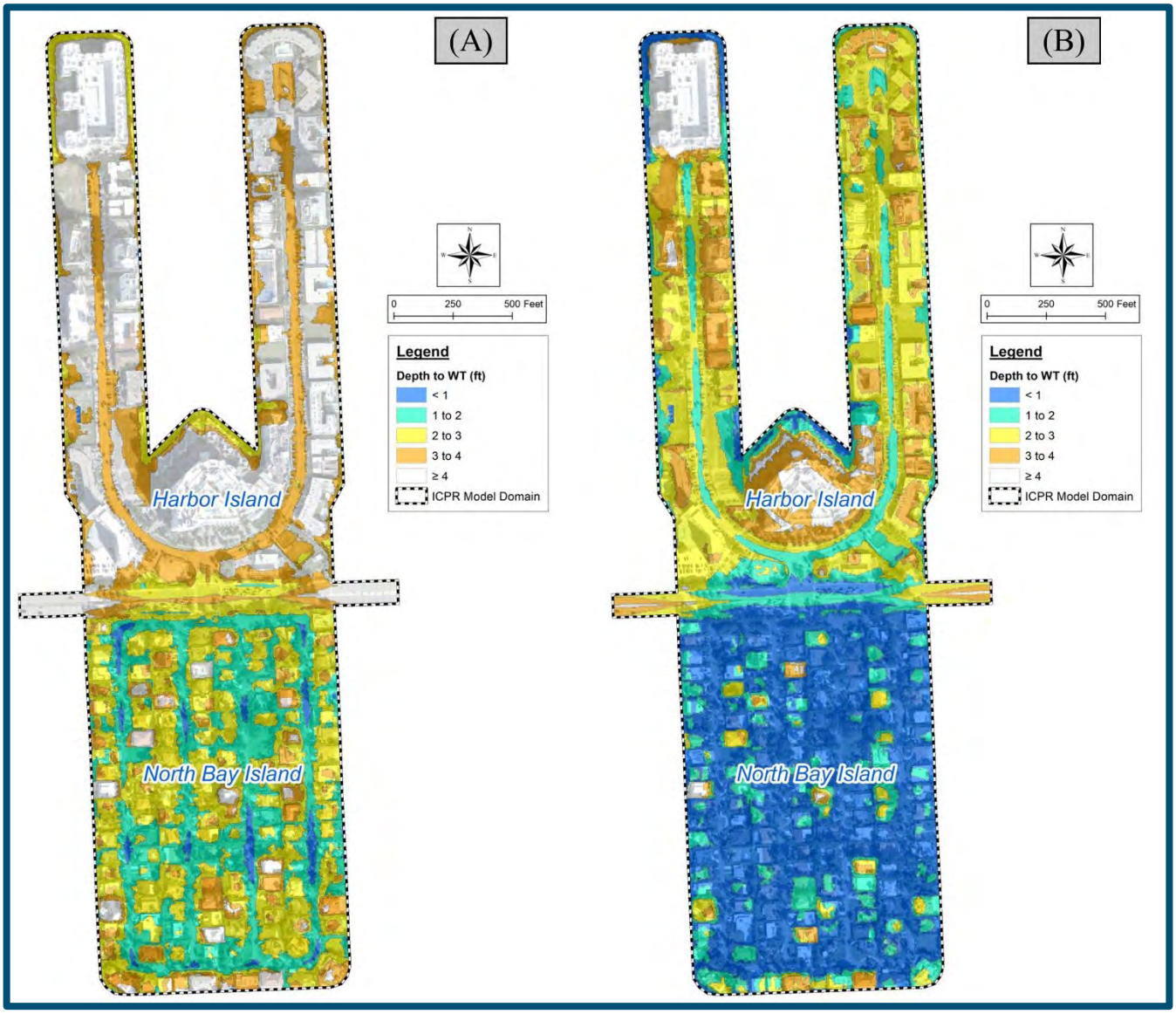


Figure 6-22. NBI and HI Future Condition Soil Zones for the Year 2070 (A: Intermediate-Low, B: Intermediate-High)

6.2.9 Boundary Stage Line and Conditions

The existing boundary stage line used in the SWMP was carefully updated to align with the new OFR boundary conditions. The tidal boundary conditions were updated in each scenario, as delineated below:

6.2.9.1 Future Boundary Condition

The tidal boundary condition that was derived from king tide events at the Virginia Key Tidal Station and applied as the boundary conditions in the SWMP existing condition model were updated by accounting for the projected sea level rise and groundwater rise in each scenario. Following the same approach used in the SWMP, for future conditions, the projected sea level rise value for the years 2040 and 2070 Intermediate-Low and Intermediate-High planning horizons were directly added to the tailwater conditions. The initial stages were also adjusted to

the projected groundwater level. **Table 6-11** provides the respective added values of the boundary nodes in each scenario.

Table 6-11. Boundary Conditions Adjustment per Each Scenario

	2040 Intermediate-Low	2040 Intermediate-High	2070 Intermediate-Low	2070 Intermediate-High
Boundary Stages	1.02	1.44	1.57	3.31

6.2.9.2 Storm Surge Boundary Conditions

To accurately assess potential storm surge scenarios, tidal boundary conditions were accurately updated in each scenario to reflect storm surge occurrence. For this purpose, we conducted simulations of two distinct types of storm surge conditions. These simulations were carried out using data sourced from the National Hurricane Center Storm Surge Risk dataset, forming the foundation of our storm surge scenarios. The two categories we focused on are as follows:

- Category 1
- Category 5

According to this dataset, the flood depths on TI and NBI for a Category 1 storm surge condition indicate a flood height generally less than three (3) feet (ft) above the local ground surface, whereas a Category 5 storm surge condition shows a flood height greater than six (6) ft above the ground surface (**Table 6-12**). The average ground surface elevation on TI and NBI is approximately 4.25 ft (NAVD88) and 3.75 ft (NAVD88), respectively. Therefore, the mean flood elevation for the whole island for the Category 1 and Category 5 storm surges are projected to be 7.00 ft. and 10.00 ft. (NAVD88), respectively. These projected flood elevations were implemented into the boundary condition considering actual storm surge occurrences and duration.

Table 6-12. Storm Surge Inundation Height on TI and NBI

Island	Inundation Height (above ground surface)		Mean Ground Surface Elevation (ft, NAVD88)	Flood Elevation (ft, NAVD88)	
	Category 1	Category 5		Category 1	Category 5
TI	<3 ft. above ground	> 6 ft. above ground	4.25	7.25	10.25
NBI	< 3 ft. above ground	> 6 ft. above ground	3.75	6.75	9.75
Mean	3 ft. above ground	6 ft. above ground	4.00	7.00	10.00

Figure 6-23 displays the USGS hydrograph and distribution of Ian Storm Surge measured in Fort Mayers Beach. The storm surge took place over a duration of ten (10) hours, with the peak water level being reached after seven (7) hours from the start. Subsequently, the peak water level gradually receded, returning to the initial hydrograph after three (3) hours.

Based on the projected flood elevation data from the National Hurricane Center for the Village and the recorded distribution of water level for Hurricane Ian by the USGS, we updated the boundary conditions to accurately simulate the storm surge conditions. Considering the worst-case scenario, we corresponded the peak storm surge to coincide with the highest DHW that occurs at hour sixty (60) of the model simulation period. As a result, we established the start of the hurricane at time fifty-three (53) hours and the end of the storm surge, at the lowest tide, at time seventy-eight (78) hours.

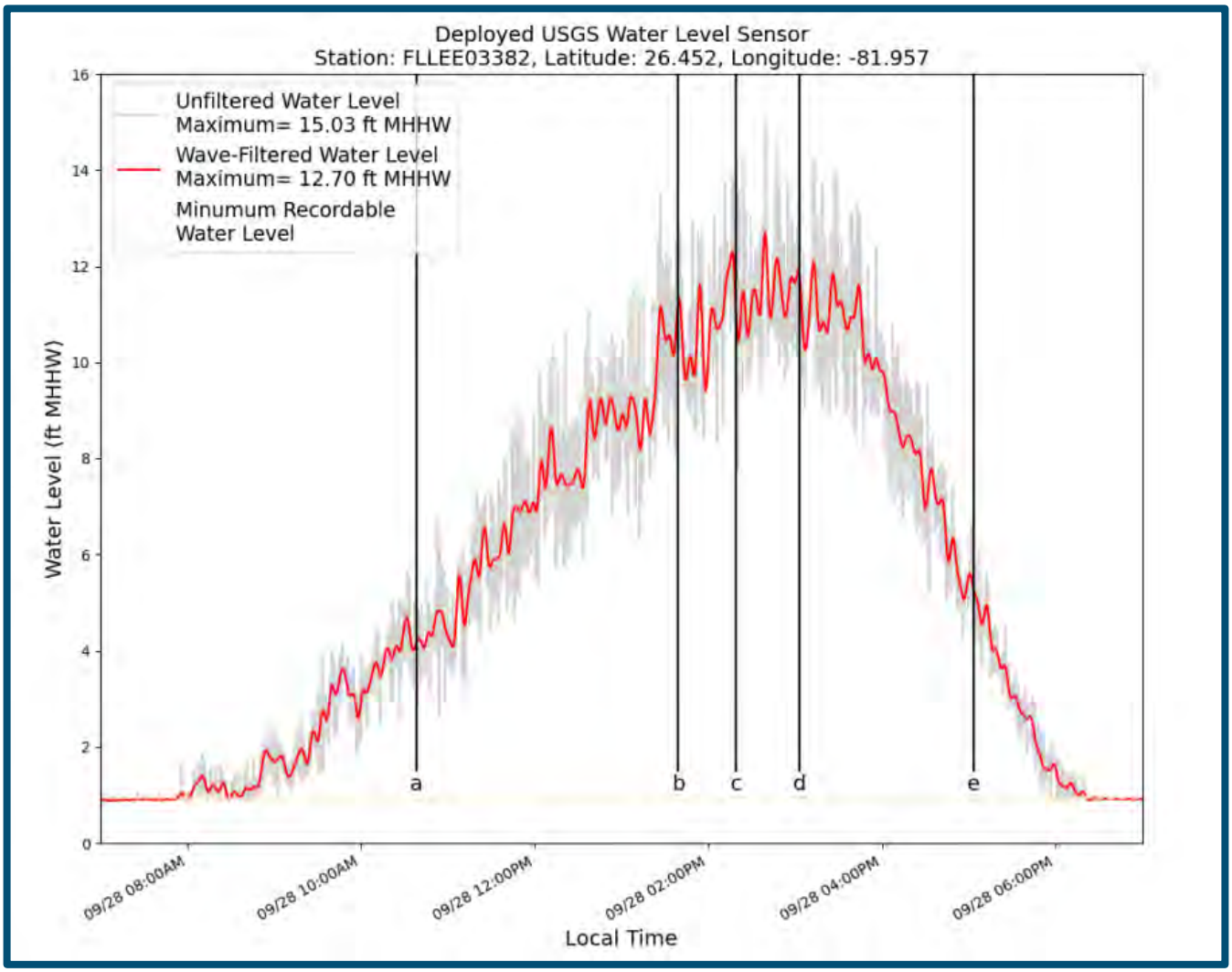


Figure 6-23. USGS Unfiltered Water Level (gray) and Wave-filtered Water Level (red) Measurements above the high tide line (MHHW) in Fort Myers During the Ian Storm Surge

As a sample, the revised boundary conditions for the Category 1 and Category 5 storm surges for the 2040 Intermediate-Low SLR scenario are presented in **Figure 6-24**. As evident from the illustration, the storm surges initiate at hour fifty-three (53) and attain their maximum elevation by hour sixty (60) of the model simulation period. The storm surge scenarios experience their lowest tidal elevation at hour seventy-eight (78). Other storm surge scenarios are presented in **Appendix J**. **Table 6-13** presents the updated tidal elevations considering storm surge conditions for all considered scenarios. For additional details and graphs, refer to **Appendix J**.

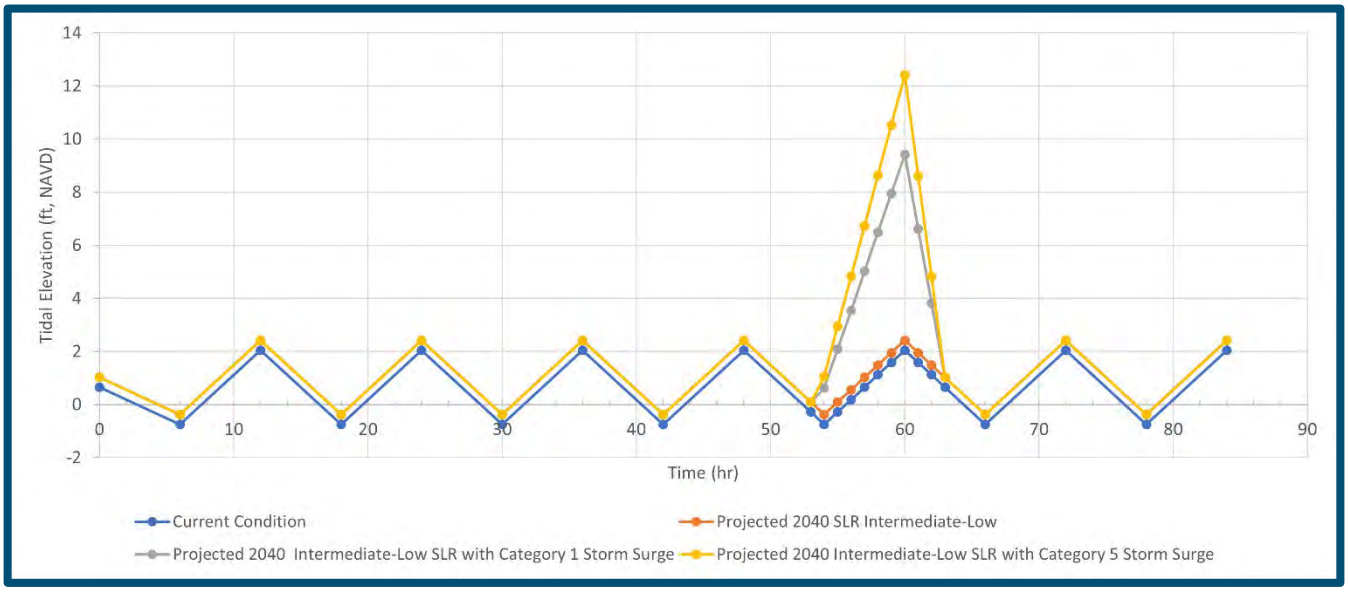


Figure 6-24. Enhanced Boundary Conditions: Tidal Elevation for Category 1 and Category 5 Storm Surge Conditions in the 2040 Intermediate-Low Sea Level Rise Scenario, Relative to Current and Future Conditions.

Table 6-13. Boundary Conditions of the Tidal Elevations for the Compound Storm Surge Scenarios of Category 1 and Category 5

Simulation Time	Current Condition Storm Surge		2040 Intermediate-low Storm Surge		2040 Intermediate-High Storm Surge		2070 Intermediate-low Storm Surge		2070 Intermediate-High Storm Surge	
	Cat 1	Cat 5	Cat 1	Cat 5	Cat 1	Cat 5	Cat 1	Cat 5	Cat 1	Cat 5
0	0.65	0.65	1.02	1.02	1.44	1.44	1.57	1.57	3.31	3.31
6	-0.75	-0.75	-0.38	-0.38	0.04	0.04	0.17	0.17	1.91	1.91
12	2.05	2.05	2.42	2.42	2.84	2.84	2.97	2.97	4.71	4.71
18	-0.75	-0.75	-0.38	-0.38	0.04	0.04	0.17	0.17	1.91	1.91
24	2.05	2.05	2.42	2.42	2.84	2.84	2.97	2.97	4.71	4.71
30	-0.75	-0.75	-0.38	-0.38	0.04	0.04	0.17	0.17	1.91	1.91
36	2.05	2.05	2.42	2.42	2.84	2.84	2.97	2.97	4.71	4.71
42	-0.75	-0.75	-0.38	-0.38	0.04	0.04	0.17	0.17	1.91	1.91
48	2.05	2.05	2.42	2.42	2.84	2.84	2.97	2.97	4.71	4.71
53	-0.28	-0.28	0.09	0.09	0.51	0.51	0.64	0.64	2.38	2.38
54	0.25	0.68	0.62	1.05	1.04	1.47	1.17	1.60	2.91	3.34
55	1.72	2.58	2.09	2.95	2.51	3.37	2.64	3.50	4.38	5.24
56	3.18	4.47	3.55	4.84	3.97	5.26	4.10	5.39	5.84	7.13
57	4.65	6.36	5.02	6.73	5.44	7.15	5.57	7.28	7.31	9.02
58	6.12	8.26	6.49	8.63	6.91	9.05	7.04	9.18	8.78	10.92
59	7.58	10.15	7.95	10.52	8.37	10.94	8.50	11.07	10.24	12.81
60	9.05	12.05	9.42	12.42	9.84	12.84	9.97	12.97	11.71	14.71
61	6.24	8.24	6.61	8.61	7.03	9.03	7.16	9.16	8.90	10.90
62	3.45	4.45	3.82	4.82	4.24	5.24	4.37	5.37	6.11	7.11
63	0.65	0.65	1.02	1.02	1.44	1.44	1.57	1.57	3.31	3.31
66	-0.75	-0.75	-0.38	-0.38	0.04	0.04	0.17	0.17	1.91	1.91
72	2.05	2.05	2.42	2.42	2.84	2.84	2.97	2.97	4.71	4.71
78	-0.75	-0.75	-0.38	-0.38	0.04	0.04	0.17	0.17	1.91	1.91
84	2.05	2.05	2.42	2.42	2.84	2.84	2.97	2.97	4.71	4.71

Note: “Cat” indicates Category.

6.2.10 Initial Stages

To account for sea level and groundwater rise, the initial stage elevations of all applicable 1D interface nodes and stage/area nodes were adjusted to the future DHW elevation in each scenario.

6.3 Exposure Analysis Results

Six (6) design storm events, including an additional scenario simulating no rainfall, were carefully examined to conduct exposure analyses across the three timeframe contexts: the current conditions, and two future scenarios of sea-level rise, categorized as Intermediate-Low and Intermediate-High SLR, projected for the years 2040 and 2070. The selected design storm events encompass a range of duration events to comprehensively assess the potential flooding impacts. The considered design storm events in this category are listed below and include an additional event characterized by the absence of rainfall to effectively demonstrate the isolated impact of SLR. To facilitate evaluation, maps were generated depicting the maximum depths of flooding:

- 5-Year, 24-Hour design storm event
- 10-Year, 24-Hour design storm event
- 25-Year, 72-Hour design storm event
- 100-Year, 72-Hour design storm event
- 500-Year, 72-Hour design storm event
- 1000-Year, 72-Hour design storm event
- No Rainfall, 72-Hour design storm event

Conversely, in the context of compound storm surge conditions, two types of storm surge were considered: Category 1 and Category 5. These assessments were conducted distinctly for the same timeframes: the current conditions, as well as the two projected sea-level rise scenarios, spanning two planning horizons. Three (3) design storm events were considered in this analysis, including an additional event characterized by the absence of rainfall to effectively demonstrate the isolated impact of SLR caused by storm surge conditions. To facilitate assessment, the depth of flooding at the beginning, peak, and end of storm surge were prepared for evaluation.

- 100-year, 72-hour design storm event
- 500-year, 72-hour design storm event
- 1000-year, 72-hour design storm event
- No Rainfall, 72-Hour design storm event

This comprehensive analysis ensures a robust evaluation of potential vulnerabilities and risks associated with various storm events and sea-level rise scenarios, enabling a well-informed approach to resilience planning and adaptation strategies.

6.3.1 Sea-level Rise Scenarios

6.3.1.1 Current Conditions

Depth of flooding maps for six (6) design storm events and the additional event with no rainfall were produced and categorized into six (6) classes to better visualize the extent and severity of flooding. These events included 5-YR, 24-HR; 10-YR, 24-HR; 25-YR, 72-HR; 100-YR, 72-HR; 500-YR, 72-HR; and 1000-YR, 72-HR; and No Rainfall, 72-HR storm events. Inundation flood maps of these storm events for the current conditions on TI, as well as NBI and HI, were created and shown in **Appendix K**.

6.3.1.2 Planning Horizon Year 2040

6.3.1.2.1. Intermediate-Low Projection (Year 2040)

Flood inundation maps for the Intermediate-Low SLR scenario of the 2040 planning horizon have been generated for TI as well as NBI and HI. These maps, presented in **Appendix L**, depict various storm events, including 5-YR, 24-HR; 10-YR, 24-HR; 25-YR, 72-HR; 100-YR, 72-HR; 500-YR, 72-HR; 1000-YR, 72-HR; and a scenario with no rainfall over a 72-hour period.

6.3.1.2.2. Intermediate-High Projection (Year 2040)

Flood inundation maps for the Intermediate-High sea-level rise scenario of the 2040 planning horizon have been generated for TI as well as NBI and HI. These maps, presented in **Appendix M**, depict various storm events, including 5-YR, 24-HR; 10-YR, 24-HR; 25-YR, 72-HR; 100-YR, 72-HR; 500-YR, 72-HR; and 1000-YR, 72-HR. Additionally, a depiction of a scenario featuring no rainfall is also included.

6.3.1.3 Planning Horizon Year 2070

6.3.1.3.1. Intermediate-Low Projection (Year 2070)

Flood maps for the 2070 projection period, considering an Intermediate-Low SLR scenario, have been produced for TI as well as NBI and HI. These illustrative maps are available in **Appendix N** and showcase different storm occurrences such as 5-YR, 24-HR; 10-YR, 24-HR; 25-YR, 72-HR; 100-YR, 72-HR; 500-YR, 72-HR; and 1000-YR, 72-HR. Additionally, a depiction of a scenario featuring no rainfall is also included.

6.3.1.3.2. Intermediate-High Projection (Year 2070)

Flood maps for the 2070 projection period, considering an Intermediate-High SLR scenario, have been produced for TI as well as NBI and HI. These illustrative maps are available in **Appendix O** and showcase different storm occurrences such as 5-YR, 24-HR; 10-YR, 24-HR; 25-YR, 72-HR; 100-YR, 72-HR; 500-YR, 72-HR; and 1000-YR, 72-HR. Additionally, a depiction of a scenario featuring no rainfall is also included.

6.3.2 Compound Storm Surge Modeling

The analysis of compound storm surge conditions involved preparing evaluations for the depth of flooding at the start, peak, and end of the storm surge event. It is worth noting that the storm surge's initiation corresponds to time fifty-three (53) hours, its peak coincides with time sixty (60) hours, and its termination, marked by the lowest tidal elevation, corresponds to time seventy-eight (78) hours of the model simulation period. The results for Category 1 and Category 5 storm surge conditions in each scenario are presented in the following subsections.

6.3.2.1 Category 1: Current Conditions

Depth of flooding map depicting the start, peak, and end stages of a Category 1 storm surge events for current conditions were created for TI as well as NBI and HI. These compound storm surge modeling conditions included events with return periods of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), as well as a no rainfall event over a 72-hour period. The maps depict flooding extents at the start, peak, and end of storm surge. The resulting maps for TI, as well as NBI and HI, are provided in **Appendix P**.

6.3.2.2 Category 5: Current Conditions

Depth of flooding map depicting the start, peak, and end stages of a Category 5 storm surge events for current conditions were created for TI as well as NBI and HI. These compound storm surge modeling conditions included events with return periods of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), as well as a no rainfall event over a 72-hour period. The maps depict flooding extents at the start, peak, and end of storm surge. The resulting maps for TI, as well as NBI and HI, are provided in **Appendix Q**.

6.3.2.3 Category 1: Intermediate-Low Projection (Year 2040)

Flood depth maps have been generated to represent a Category 1 storm surge scenario under an Intermediate-Low SLR projection for the year 2040. These maps encompass storm events with recurrence intervals of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), as well as a no rainfall event over a 72-hour period. The maps effectively illustrate the extent of flooding at the start, peak, and end of the storm surge. The resulting maps for TI, as well as NBI and HI, are showcased in **Appendix R**.

6.3.2.4 Category 5: Intermediate-Low Projection (Year 2040)

Depth of flooding maps for a Category 5 storm surge condition under an Intermediate-Low SLR projection scenario for the year 2040 have been created for storm occurrences with recurrence intervals of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), and a no rainfall event over a 72-HR period. The maps depict flooding extents at the start, peak, and end of storm surge for comparison. The resulting maps for TI, as well as NBI and HI, are shown in **Appendix S.**

6.3.2.5 Category 1: Intermediate-High Projection (Year 2040)

Depth of flooding maps for a Category 1 storm surge condition under an Intermediate-High SLR projection for the year 2040 have been created for storm occurrences with recurrence intervals of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), and a no rainfall event over a 72-hour period. The maps depict flooding extents at the start, peak, and end of storm surge for comparison. The resulting maps for TI, as well as NBI and HI, are provided in **Appendix T**.

6.3.2.6 Category 5: Intermediate-High Projection (Year 2040)

Flood depth maps have been created to represent a Category 5 storm surge condition under an Intermediate-High SLR projection for the year 2040. These maps comprehensively cover storm events that recur over spans of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), and a no rainfall event over a 72-hour period. These maps effectively represent the extent of flooding at the start, peak, and end of the storm surge. The resulting maps for TI, as well as NBI and HI, are illustrated in **Appendix U**.

6.3.2.7 Category 1: Intermediate-Low Projection (Year 2070)

Flood depth of maps for a Category 1 storm surge under an Intermediate-Low SLR scenario in the year 2070 have been created for storm events with return periods of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), and a no rainfall event over a 72-hour period. The maps depict flooding extents at the start, peak, and end of storm surge. The resulting maps for TI, as well as NBI and HI, are provided in **Appendix V**.

6.3.2.8 Category 5: Intermediate-Low Projection (Year 2070)

Flood depth maps have been created to represent a Category 5 storm surge under an Intermediate-Low SLR scenario in the year 2070. The maps cover storm events that recur over spans of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), and a no rainfall event over a 72-hour period. These maps effectively represent the extent of flooding at the start, peak, and end of the storm surge. The resulting maps for TI, as well as NBI and HI, are shown in **Appendix W.**

6.3.2.9 Category 1: Intermediate-High Projection (Year 2070)

Flood depth of maps for a Category 1 storm surge under an Intermediate-High SLR scenario in the year 2070 have been created for storm events with return periods of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), and a no rainfall event over a 72-hour period. The maps depict flooding extents at the start, peak, and end of storm surge. The resulting maps for TI, as well as NBI and Hi, are provided in **Appendix X**.

6.3.2.10 Category 5: Intermediate-High Projection (Year 2070)

Flood depth maps have been created to represent a Category 5 storm surge under an Intermediate-High SLR scenario in the year 2070. The maps cover storm events that recur over spans of 100 years (100-YR, 72-HR), 500 years (500-YR, 72-HR), and 1000 years (1000-YR, 72-HR), and a no rainfall event over a 72-hour period. These maps effectively represent the extent of flooding at the start, peak, and end of the storm surge. The resulting maps for TI, as well as NBI and HI, are shown in **Appendix Y.**

A comprehensive overview of the undertaken scenarios related to Sea-Level Rise and assessed design storm events with their corresponding supplementary appendix files for TI, as well as NBI and HI are presented in **Table 6-14.** Moreover, a comprehensive overview of the undertaken compound storm surge scenarios and accompanying hurricane classifications, along with the meticulously assessed design storm occurrences and their corresponding supplemental appendix files are presented in **Table 6-15**.

Table 6-14. Summary of Conducted SLR Scenarios and Evaluated Design Storm Events with Corresponding Appendix Files for TI, as well as NBI and HI

Scenario	Evaluated Design Storm Event	Appendix
Current Conditions	5-YR, 24-HR	B
	10-YR, 24-HR	
	25-YR, 72-HR	
	100-YR, 72-HR	
	500-YR, 72-HR	
	1000-YR, 72-HR	
	No rainfall, 72-HR	
2040 Intermediate-Low SLR	5-YR, 24-HR	C
	10-YR, 24-HR	
	25-YR, 72-HR	
	100-YR, 72-HR	
	500-YR, 72-HR	
	1000-YR, 72-HR	
	No rainfall, 72-HR	
2040 Intermediate-High SLR	5-YR, 24-HR	D
	10-YR, 24-HR	
	25-YR, 72-HR	
	100-YR, 72-HR	
	500-YR, 72-HR	
	1000-YR, 72-HR	
	No rainfall, 72-HR	
2070 Intermediate-Low SLR	5-YR, 24-HR	E
	10-YR, 24-HR	
	25-YR, 72-HR	
	100-YR, 72-HR	
	500-YR, 72-HR	
	1000-YR, 72-HR	
	No rainfall, 72-HR	
2070 Intermediate-High SLR	5-YR, 24-HR	F
	10-YR, 24-HR	
	25-YR, 72-HR	
	100-YR, 72-HR	
	500-YR, 72-HR	
	1000-YR, 72-HR	
	No rainfall, 72-HR	

Table 6-15. Summary of Storm Surge Modeling Scenarios and Hurricane Types with Evaluated Design Storm Events and Corresponding Appendix Files for TI, as well as NBI and HI

Conducted Scenario	Hurricaon Type	Evaluated Design Storm Event	Appendix
Current Conditions	Category 1	100-YR, 72-HR	G
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
	Category 5	100-YR, 72-HR	H
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
2040 Intermediate-Low SLR	Category 1	100-YR, 72-HR	I
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
	Category 5	100-YR, 72-HR	J
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
2040 Intermediate-High SLR	Category 1	100-YR, 72-HR	K
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
	Category 5	100-YR, 72-HR	L
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
2070 Intermediate-Low SLR	Category 1	100-YR, 72-HR	M
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
	Category 5	100-YR, 72-HR	N
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
2070 Intermediate-High SLR	Category 1	100-YR, 72-HR	O
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	
	Category 5	100-YR, 72-HR	P
		500-YR, 72-HR	
		1000-YR, 72-HR	
		No Rainfall, 72-HR	

7.0 Sensitivity Analysis

7.1 Background

Sensitivity is defined as the responsiveness of a system to hazard impacts. The sensitivity analysis allows the planning team and steering committee to identify the land uses, buildings, assets, resources, and people who may be impacted by the potential sea level rise and storm surge occurrences predicted by the exposure analysis. The planning team may develop a basic representation of which entities may be affected by sea level rise by mapping all entities under the jurisdiction of local government. A sensitivity analysis provides an inventory of Village's assets, such as structures and roadways, and quantifies and measures the impacts of sea level rise or storm surge occurrences on the assets. In order to perform the sensitivity analysis, different GIS data, sea level rise projections, and modeling outputs may be required to determine where the projected inundation is likely to affect structures, roadways, assets, conservation areas, populations, and other entities.

The purpose of sensitivity analysis is to measure the impact of flooding on assets, applying the data from the exposure analysis to the inventory of critical assets. By including various characteristics in the sensitivity analysis, the planning team can introduce and analyze new layers of structural and asset sensitivity. This may include physical characteristics such as the length, area, or topographic features such as the elevation of an asset. For instance, if available for buildings, Finished Floor Elevation (FFE), roadway flood depth, and length of inundation. The analysis should include an evaluation of the impact of flood severity on each asset type at each flood scenario and assign a risk level based on percentages of land area inundated and number of critical assets affected. For this study, the sensitivity analysis is performed to estimate the flooding condition on each asset caused by sea level rise, groundwater level rise, and rainfall increase, as well as storm surge flood conditions. In the current effort, sensitivity analysis was completed for the critical assets in the Village for four (4) sea-level rise projection scenarios, including 2040 and 2070, using 2017 NOAA intermediate-low and intermediate-high sea-level rise projections. In addition, sensitivity analysis was completed for the critical assets for two (2) storm surge scenarios of Category 1 and Category 5 conditions, with and without rainfall.

7.2 Assets Sensitivity Level Definition

The basis of the sensitivity analysis method was to assess the impact of future condition factors (such as sea level rise, groundwater rise, rainfall intensity, and storm surge) on critical assets and infrastructure according to the Standard Vulnerability Assessment Guidance. This procedure employs a process developed as the Florida Department of Environmental Protection's Resilient Florida Program's standardized vulnerability assessment scope of work guidance. To develop a robust sensitivity analysis for the Village, all assets and infrastructure were considered based on the expected Level of Service (LOS), which helped the team to define the design storm event associated with each asset. **Table 7-1** provides the complete list of the Villages' significant assets and

infrastructure, LOS design storm event, and the sensitivity methodology for each asset for the future sea-level rise scenarios, including 2040 and 2070 intermediate-low and -high SLR scenarios.

With respect to the storm surge modeling scenarios, it was revealed that rainfall has an insignificant impact on the peak flood depth among different design storm events, especially between No Rainfall, 72-HR and 100-YR, 72-HR storm events. In **Appendix Z**, a comparative analysis of peak flood depth difference maps is presented for these storm events under both Category 1 and Category 5 storm surge conditions. The flood depth difference between the two storm events was between zero (0) and three (3) inches in both Category 1 and Category 5 conditions within the Village. As rainfall was found to have an insignificant influence on the peak flood depth during storm surge events, the sensitivity analyses focused exclusively on the peak flood depth resulting from storm surges with no rainfall. The peak flood depth caused by No Rainfall, 72-HR events was employed in the sensitivity analysis for the storm surge conditions. The sensitivity assessment procedures and list of all significant assets and infrastructure within the context of the storm surge scenarios are provided in **Table 7-2**.

Table 7-1. Sensitivity Assessment Criteria of Village Assets for Sea-Level Rise Scenarios

Main Category	Asset Type	LOS Design Storm Event	Sensitivity Assessment Procedure	Sensitivity Level
Critical Community Emergency Facilities	City Hall	100-YR, 72-HR	Flood depth was compared to the estimated FFE	▪ High: flood depth exceeds FFE ▪ Medium: flood depth between 0 - 0.5 ft below FFE ▪ Low: flood depth more than 0.5 ft below FFE
	Future City Hall	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Future Community Center	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Health Facility	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	School Building	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Schools Open Areas	50-YR, 72-HR	Percentage of the flooded area	▪ High: > 66% of lot area is flooded ▪ Medium: 33% to 66% of lot area is flooded ▪ Low: < 33% of lot area is flooded
Transportation Assets and Evacuation Routes	Evacuation Route (Causeway)	100-YR, 72-HR	Depth & extent of flooding over the roadway	▪ High: mean flood depth > 0.5 ft above crown of roadway ▪ Medium: mean flood depth between 0.25 - 0.5 ft above crown of roadway ▪ Low: mean flood depth < 0.25 ft above crown of roadway
	Primary Roads	5-YR, 24-HR	Depth & extent of flooding over the roadway	
	Bus Routes	10-YR, 24-HR	Depth & extent of flooding over the routes	

Main Category	Asset Type	LOS Design Storm Event	Sensitivity Assessment Procedure	Sensitivity Level
	Bus Stops	10-YR, 24-HR	Flood depth compared to the estimated bus stop elevation	▪ High: flood depth exceeds stop elevation ▪ Medium: flood depth between 0 - 0.5 ft below stop elevation ▪ Low: flood depth more than 0.5 ft below stop elevation
Critical Infrastructure	Outfall	10-YR, 24-HR	Flood depth was assessed at service roadways	▪ High: flood depth > 0.5 ft ▪ Medium: flood depth, 0 - 0.5 ft ▪ Low: flood depth ≤ 0
	Sanitary Sewer Pump Station	50-YR, 72-HR	Flood depth at the pump station top slab	▪ High: flood depth > 0.5 ft ▪ Medium: flood depth, 0 - 0.5 ft ▪ Low: flood depth ≤ 0
Natural, Cultural, and Historical Resources	Park	10-YR, 24-HR	Percentage of the flooded area	▪ High: > 66% of lot area is flooded ▪ Medium: 33% to 66% of lot area is flooded ▪ Low: < 33% of lot area is flooded

Table 7-2. Sensitivity Assessment Criteria of Village Assets for Storm Surge Modeling Scenarios

Main Category	Asset Type	Event Peak Flood Depth	Sensitivity Assessment Procedure	Sensitivity Level
Critical Community Emergency Facilities	City Hall	No Rainfall, 72-HR	Flood depth was compared to the estimated FFE	▪ High: flood depth exceeds FFE ▪ Medium: flood depth between 0 - 0.5 ft below FFE ▪ Low: flood depth more than 0.5 ft below FFE
	Future City Hall	No Rainfall, 72-HR	Flood depth was compared to the estimated FFE	
	Future Community Center	No Rainfall, 72-HR	Flood depth was compared to the estimated FFE	
	Health Facility	No Rainfall, 72-HR	Flood depth was compared to the estimated FFE	
	School Building	No Rainfall, 72-HR	Flood depth was compared to the estimated FFE	
	Schools Open Areas	No Rainfall, 72-HR	Percentage of the flooded area	▪ High: > 66% of lot area is flooded ▪ Medium: 33% to 66% of lot area is flooded ▪ Low: < 33% of lot area is flooded
Transportation Assets and Evacuation Routes	Evacuation Route (Causeway)	No Rainfall, 72-HR	Depth & extent of flooding over the roadway	▪ High: mean flood depth > 0.5 ft above crown of roadway ▪ Medium: mean flood depth between 0.25 - 0.5 ft above crown of roadway ▪ Low: mean flood depth < 0.25 ft above crown of roadway
	Primary Roads	No Rainfall, 72-HR	Depth & extent of flooding over the roadway	
	Bus Routes	No Rainfall, 72-HR	Depth & extent of flooding over the routes	

Main Category	Asset Type	Event Peak Flood Depth	Sensitivity Assessment Procedure	Sensitivity Level
	Bus Stops	No Rainfall, 72-HR	Flood depth compared to the estimated trolley stop elevation	▪ High: flood depth exceeds stop elevation ▪ Medium: flood depth between 0 - 0.5 ft below stop elevation ▪ Low: flood depth more than 0.5 ft below stop elevation
Critical Infrastructure	Outfall	No Rainfall, 72-HR	Flood depth was assessed at service roadways	▪ High: flood depth > 0.5 ft ▪ Medium: flood depth, 0 - 0.5 ft ▪ Low: flood depth ≤ 0
	Sanitary Sewer Pump Station	No Rainfall, 72-HR	Flood depth at the pump station top slab	▪ High: flood depth > 0.5 ft ▪ Medium: flood depth, 0 - 0.5 ft ▪ Low: flood depth ≤ 0
Natural, Cultural, and Historical Resources	Park	No Rainfall, 72-HR	Percentage of the flooded area	▪ High: > 66% of lot area is flooded ▪ Medium: 33% to 66% of lot area is flooded ▪ Low: < 33% of lot area is flooded

Three (3) levels of sensitivity have been defined for the Village's assets and infrastructure: "High," "Medium," and "Low." For instance, to assess the buildings, a high sensitivity level is defined as flood exceeding estimated FFE, while a medium sensitivity is when the flood elevation varies between 0 to 0.5 ft. below estimated FFE. On the other hand, if flood stage elevation is more than 0.5 ft. below the estimated FFE, then the asset is classified in the low sensitivity category (See **Table 7-1** and **Table 7-2**). Another example is the sensitivity analysis for roadways and bus routes, which was defined by the depth and extent of the inundation over the roadways/routes. In turn, the depth of flood is compared to the estimated bus stop elevations. For ease of visualization, the sensitivity levels are represented in three (3) colors:

- Red: High sensitivity
- Yellow: Medium sensitivity
- Green: Low sensitivity

In order to define the average depth of flood in each roadway, the depth of flooding and the extent of the inundation were calculated in the GIS environment and categorized into four (4) classes:

- < 0.25 ft.
- 0.25 ft. to 0.5 ft.
- 0.5 ft. to 1.0 ft.
- > 1.0 ft.

Then, in order to obtain the average depth of flood in each roadway in sea-level rise scenarios, the following equation was used:

$$Average\ Depth\ of\ Flood = \frac{(0.12 \times l_1) + (0.35 \times l_2) + (0.75 \times l_3) + (1 \times l_4)}{L}$$

Where:

l_1 is the length of roadway with flood depth of 0.25 ft. or lower.

l_2 is the length of roadway with flood depth ranging from 0.25 ft. to 0.5 ft.

l_3 is the length of roadway with flood depth ranging from 0.5 ft. to 1.0 ft.

l_4 is the length of roadway with flood depth greater than 1.0 ft.

L representing the total length of roadway.

The multipliers are the average depth of flood for each class.

Regarding the storm surge scenarios, the flood depth was frequently found to exceed 1.0 ft. GIS tools were employed to calculate the mean flood depth of roadways.

The sensitivity analysis was completed using the aforementioned methods to measure the sensitivity of each asset to flooding in sea-level rise scenarios and storm surge scenarios. The analysis includes the evaluation of the flood severity of each asset. The results of the analysis were represented in the table or map formats and presented in the following section.

7.3 Sensitivity Analysis Results

The sensitivity analysis was completed for all the Village assets and infrastructures based on the exposure analysis results for four (4) different sea-level rise projections and storm surge occurrences. The impacts of flooding (sensitivity analysis) on the assets were tabulated, color-coded, and mapped for each SLR scenario and storm surge category to help better visualize the extent and severity of flooding on each asset.

7.3.1 Critical Community and Emergency Facilities

The Village's Critical Community and Emergency Facilities include several buildings and structures distributed on TI, and NBI & HI. The facilities in TI are composed of one (1) City Hall, one (1) Future Community Center, one (1) Health Care Facility, and four (4) School Buildings distributed across three (3) School open areas. On the other hand, NBI and HI have only one (1) Future City Hall in their Critical Community and Emergency Facilities asset type. It is important to note that the Future Community Center in TI, as well as the Future City Hall in NBI and HI, are part of upcoming construction plans in Village. Detailed analysis and findings for sea-level rise scenarios and storm surge modeling conditions are presented in the subsequent subsections.

7.3.1.1 Sea-Level Rise Scenarios

The sensitivity analysis for the Critical Community and Emergency Facilities buildings and structures in sea-level rise scenarios was determined based on the use of estimated FFE and maximum flood depth during 100-YR, 72-HR storm events. Assessing whether a building would be inundated during a 100-YR storm event was required to ascertain the FFEs. Typically, the County does not maintain a comprehensive database of FFEs for properties within its jurisdiction. Although the Village possesses some FFE information, it is currently limited in availability as the data is still in the process of compiling elevation certificates and, therefore, not accessible for application.

Consequently, FFEs for each building and structure were estimated. This estimation process followed a methodology previously employed by the County in their prior SWMP developments as well as NBV SWMP. Specifically, FFEs for each building and structure were approximated by extracting the elevation from the DEM nearest to the adjacent crown of the road or the highest edge of the roadway cross-section, with an additional eight (8) inches added, consistent with Section 11C-3 of the County's Code of Ordinances. Using GIS, we approximated FFEs for the Critical Community and Emergency Facility buildings. Regarding the upcoming construction plans in the Village, which encompass the Future Community Center and the Future City Hall, FFE was estimated by incorporating the FEMA Flood Map Service Center with an additional one (1) foot added.

Buildings and structures were represented as point shapefiles and superimposed onto the 100-YR, 72-HR peak stage elevation raster data layers. This enabled us to ascertain the highest water level elevations at each building and structure for sea-level rise scenarios. Subsequently, we conducted a comparative analysis to determine if a structure is likely to encounter flooding and, if so, to what extent it would be submerged.

In relation to school open areas, we determined the extent of flooding for future sea-level rise scenarios by utilizing the maximum flood depth for 50-YR, 72-HR design storm events, where the flood depth exceeds 0.5 feet. The maximum depth of flood for a 50-YR, 72-HR storm event was estimated using the average flood depths from 100-YR, 72-HR, and 25-YR, 72-HR design storm events. The assessment level of sensitivity was defined in accordance with **Table 7-1**.

Table 7-3 provides a comprehensive analysis, drawing a comparison between the estimated FFE for each structure and the maximum flood elevation observed at the respective asset locations in sea-level rise scenarios. The color-coded scheme employed in the table serves as a visual representation of the varying degrees of flooding impact on these assets, aligning with our earlier-defined criteria.

Table 7-3. Sensitivity Analysis of Critical Community Emergency Facility Buildings in Sea-Level Rise Scenarios

Village's Buildings			Estimated FFE (ft-NAVD88)	Flood Depth (ft.)				Sensitivity Assessment, (Flood Stage – FFE) (ft.)			
Island	Asset Type	Address		2040 IL*	2040 IH*	2070 IL	2070 IH	2040 IL	2040 IH	2070 IL	2070 IH
TI	City Hall	1666 Kennedy CSWY.	3.8	4.10	4.12	4.15	4.82	0.3	0.32	0.35	1.02
	Future Community Center	1841 Galleon St.	9.0	4.12	4.16	4.15	5.75	-4.88	-4.84	-4.85	-3.25
	Health Care Facility	1700 John F Kennedy CSWY.	4.2	4.14	4.15	4.18	4.83	-0.06	-0.05	-0.02	0.63
	School Building 1	1440 John F Kennedy CSWY.	5.2	5.23	5.23	5.23	5.21	0.03	0.03	0.03	0.01
	School Building 2	7800 Hispaniola Ave.	3.1	4.07	4.10	4.14	4.83	0.97	1	1.04	1.73
	School Building 3	7698 E Treasure Dr.	3.0	3.23	3.24	3.29	5.12	0.23	0.24	0.29	2.12
	School Building 4	7540 E Treasure Dr.	3.9	4.15	4.09	4.11	5.46	0.25	0.19	0.21	1. 56
NBI & HI	Future City Hall	1335 79 STREET CSWY.	9.0	5.23	5.22	5.23	5.31	-3.77	-3.78	-3.77	-3.69

Legend High Medium Low

* Note: “IL” and “IH” indicate intermediate-low and intermediate-high, respectively. In addition, negative values indicate flooding depth below the FFE.

As discerned in **Table 7-3**, maximum flood stage elevations can exceed the building’s FFE in five (5) structures, located at “1666 Kennedy CSWY”, “1440 John F Kennedy CSWY”, “7800 Hispaniola Ave”, “7698 E Treasure Dr”, and “7540 E Treasure Dr”, which are distinguished by red color in all scenarios. In turn, the Health Care Facility located at “1700 John F Kennedy CSWY” exhibits a “medium sensitivity” for the intermediate-low SLR projections for the years 2040 and 2070 and intermediate-high SLR projection in the year 2040. The sensitivity of this facility increases to a “high sensitivity” in intermediate-high SLR projection in the year 2070.

Table 7-4 presents a comprehensive analysis of the school’s open areas and the percentage of inundated exceeding 0.5 ft. in various future sea-level rise scenarios. The table employs a color-coded scheme to visually represent the varying degrees of flooding impact on these assets.

As we examine the data, it becomes evident that the "KLA Schools of North Bay Village" exhibits a "high sensitivity" in all sea-level rise scenarios. In contrast, both the "Treasure Island Elementary School" and the "Grow By the Bay Learning Academy" school demonstrate "low sensitivity" in the 2040 intermediate-low and -high sea-level rise scenarios, as well as the 2070 intermediate-low sea-level rise scenario. However, the "Treasure Island Elementary School" transitions to a "medium sensitivity" in the 2070 intermediate-high sea-level rise scenario, while the “Grow By the Bay Learning Academy” school levels up to a “high sensitivity” in the 2070 intermediate-high SLR scenario.

Table 7-4. Sensitivity Analysis of School Open Areas in Sea-Level Rise Scenarios

Scenario	School	Total Area (Acre)	% Flooded Area, Flood Depth > 0.5 (ft.)	Sensitivity Assessment
2040 IL	Treasure Island Elementary School	7.96	29.35	Low
	Grow By the Bay Learning Academy	1.92	10.08	Low
	KLA Schools of North Bay Village	0.5	81.75	High
2040 IH	Treasure Island Elementary School	7.96	29.45	Low
	Grow By the Bay Learning Academy	1.92	11.32	Low
	KLA Schools of North Bay Village	0.5	85.05	High
2070 IL	Treasure Island Elementary School	7.96	30.26	Low

Scenario	School	Total Area (Acre)	% Flooded Area, Flood Depth > 0.5 (ft.)	Sensitivity Assessment
	Grow By the Bay Learning Academy	1.92	13.25	Low
	KLA Schools of North Bay Village	0.5	87.23	High
2070 IH	Treasure Island Elementary School	7.96	42.02	Medium
	Grow By the Bay Learning Academy	1.92	85.03	High
	KLA Schools of North Bay Village	0.5	100.00	High
	Legend	High	Medium	Low

7.3.1.2 Storm Surge Modeling

Within the context of storm surge conditions for both Category 1 and Category 5 storm surge events, our analysis was grounded in the peak stage elevation during a No Rainfall, 72-Hour event, as outlined in **Table 7-2**. We conducted a comparative analysis using the estimated FFE for buildings and structures and the peak stage elevation of No Rainfall, 72-Hour storm events to ascertain the likelihood of flooding for a structure and the extent of its potential submersion.

As for the open school area, we determined the extent of flooding by considering flood depths during no Rainfall, 72-Hour storm events where the flood depth exceeded 0.5 feet. The sensitivity assessment level was defined in alignment with the criteria outlined in **Table 7-2**.

Table 7-5 provides a comparison between the FFE of the Critical Community and Emergency Facilities buildings and the highest flood elevation at their locations for both Category 1 and Category 5 storm surge conditions. As discerned from this table, all the buildings and structures of the Critical Community and Emergency Facilities will experience flooding exceeding their FFEs in both Category 1 and Category 5 storm surge conditions for all projected SLR scenarios. This is highlighted using a red color-coded scheme in the table, aligning with the predefined graphical representation of flooding criteria levels.

Table 7-5. Sensitivity Analysis of Critical Community Emergency Facilities under Storm Surge Modeling Conditions

Hurricane Type	Island	Asset Type	Address	Estimated FFE (ft-NAVD88)	Flood Depth (ft.)				Sensitivity Assessment, (Flood Stage – FFE) (ft.)			
					2040 IL*	2040 IH*	2070 IL	2070 IH	2040 IL	2040 IH	2070 IL	2070 IH
Category 1	TI	City Hall	1666 KENNEDY CSWY.	3.8	8.78	9.25	9.39	11.24	4.98	5.45	5.59	7.44
		Future Community Center	1841 Galleon St.	9.0	9.14	9.58	9.72	11.50	0.14	0.58	0.72	2.50
		Health Care Facility	1700 John F Kennedy CSWY.	4.2	8.95	9.40	9.54	11.36	4.75	5.20	5.34	7.16
		School Building 1	1440 John F Kennedy CSWY.	5.2	9.26	9.70	9.83	11.60	4.06	4.50	4.63	6.40
		School Building 2	7800 Hispaniola Ave.	3.1	8.73	9.21	9.34	11.20	5.63	6.11	6.24	8.10
		School Building 3	7698 E Treasure Dr.	3.0	9.40	9.82	9.95	11.69	6.40	6.82	6.95	8.69
		School Building 4	7540 E Treasure Dr.	3.9	8.96	9.42	9.55	11.36	5.06	5.52	5.65	7.46
	NBI & HI	Future City Hall	1335 79 STREET CSWY.	9.0	9.38	9.81	9.94	11.68	0.38	0.81	0.94	2.68
Category 5	TI	City Hall	1666 KENNEDY CSWY.	3.8	11.93	12.37	12.50	14.30	8.13	8.57	8.70	10.50
		Future Community Center	1841 Galleon St.	9.0	12.19	12.63	12.76	14.52	3.19	3.63	3.76	5.52
		Health Care Facility	1700 John F Kennedy CSWY.	4.2	12.06	12.49	12.63	14.41	7.86	8.29	8.43	10.21
		School Building 1	1440 John F Kennedy CSWY.	5.2	12.30	12.73	12.86	14.61	7.10	7.53	7.66	9.41

Hurricane Type	Island	Asset Type	Address	Estimated FFE (ft-NAVD88)	Flood Depth (ft.)				Sensitivity Assessment, (Flood Stage – FFE) (ft.)			
					2040 IL*	2040 IH*	2070 IL	2070 IH	2040 IL	2040 IH	2070 IL	2070 IH
		School Building 2	7800 Hispaniola Ave.	3.1	11.89	12.33	12.46	14.26	8.79	9.23	9.36	11.16
		School Building 3	7698 E Treasure Dr.	3.0	12.40	12.82	12.95	14.69	9.40	9.82	9.95	11.69
		School Building 4	7540 E Treasure Dr.	3.9	12.06	12.50	12.63	14.40	8.16	8.60	8.73	10.50
	NBI & HI	Future City Hall	1335 79 STREET CSWY.	9.0	12.39	12.81	12.94	14.69	3.39	3.81	3.94	5.69

Legend High Medium Low

Table 7-6 presents an analysis of the school open areas, outlining the percentage of inundation exceeding 0.5 ft. under storm surge conditions. As this analysis clearly indicates, all open areas within the schools will experience flooding greater than 0.5 ft, categorizing them as "highly sensitive" under both Category 1 and Category 5 storm surge conditions.

Table 7-6. Sensitivity Analysis of School Open Areas under Storm Surge Modeling Conditions

Hurricane Type	Scenario	School	Total Area (Acres)	% Flooded Area, Flood Depth > 0.5 (ft.)	Sensitivity Assessment
Category 1	2040 IL	Treasure Island Elementary School	7.96	100	High
		Grow By the Bay Learning Academy	1.92	100	High
		KLA Schools of North Bay Village	0.5	100	High
	2040 IH	Treasure Island Elementary School	7.96	100	High
		Grow By the Bay Learning Academy	1.92	100	High
		KLA Schools of North Bay Village	0.5	100	High
	2070 IL	Treasure Island Elementary School	7.96	100	High

Hurricane Type	Scenario	School	Total Area (Acres)	% Flooded Area, Flood Depth > 0.5 (ft.)	Sensitivity Assessment
		Grow By the Bay Learning Academy	1.92	100	High
		KLA Schools of North Bay Village	0.5	100	High
	2070 IH	Treasure Island Elementary School	7.96	100	High
		Grow By the Bay Learning Academy	1.92	100	High
		KLA Schools of North Bay Village	0.5	100	High
Category 5	2040 IL	Treasure Island Elementary School	7.96	100	High
		Grow By the Bay Learning Academy	1.92	100	High
		KLA Schools of North Bay Village	0.5	100	High
	2040 IH	Treasure Island Elementary School	7.96	100	High
		Grow By the Bay Learning Academy	1.92	100	High
		KLA Schools of North Bay Village	0.5	100	High
	2070 IL	Treasure Island Elementary School	7.96	100	High
		Grow By the Bay Learning Academy	1.92	100	High
		KLA Schools of North Bay Village	0.5	100	High
	2070 IH	Treasure Island Elementary School	7.96	100	High
		Grow By the Bay Learning Academy	1.92	100	High
		KLA Schools of North Bay Village	0.5	100	High

Legend	High	Medium	Low

7.3.2 Transportation Assets and Evacuation Routes

The transportation assets and evacuation routes on TI consist of one (1) section of an evacuation route, four (4) primary roads, one (1) section of a bus route, and six (6) bus stops. In NBI and HI, these asset types comprise one (1) section of the same evacuation route, nine (9) primary roads, and one (1) section of the bus route, along with

two (2) bus stops. These assets were identified and categorized in chapter five (5), C*ritical Asset Inventory*, based on their importance and capacity to facilitate a safe and efficient evacuation of residents.

To conduct a sensitivity analysis on these assets, we calculated the depth and extent of inundation over the roadways and routes. Regarding the bus stops, we compared the maximum flood depth to the estimated bus stop elevations to assess their sensitivity.

The sensitivity analysis was performed across four (4) sea-level rise projections for two planning horizons, the years 2040 and 2070, as well as under two categories of storm surge conditions: Category 1 and Category 5. **Table 7-1** provides the expected LOS for each asset and the design storm events considered for sensitivity analysis in sea-level rise scenarios. Meanwhile, **Table 7-2** presents the same information for storm surge conditions. Detailed analysis and findings for these assets are presented in the following sections.

7.3.2.1 Evacuation Routes

The evacuation routes are categorized as sections or quarter roadways that people can follow to safely exit an area during emergencies, including natural disasters like flooding. Specifically, one section of the John F. Kennedy Causeway, spanning 0.759 miles in TI and 0.300 miles in NBI & HI, was recognized and designated as an evacuation route within the Village. Considering the route length in the islands, the percentage of inundation was calculated and classified based on flood depth as below:

- Less than 0.25 ft. (3 inches)
- Between 0.25 to 0.5 ft. (3 to 6 inches)
- Greater than 0.5 ft. (6 inches)

7.3.2.1.1. Sea-Level Rise Scenarios

To evaluate the potential impact of sea-level rise on evacuation routes, we conducted a sensitivity analysis utilizing the outcomes derived from exposure analysis for 100-YR, 72-HR design storm events. The average flood depth was computed as the sensitivity metric and subsequently color-coded in accordance with **Table 7-1**.

Table 7-7 presents the total length of the evacuation route, the percentage of its length inundated, and the calculated average flood depths in both TI and NBI & HI under various sea-level rise scenarios. Upon examining this table, it becomes evident that the John F. Kennedy Causeway evacuation route falls into the "low sensitivity" category in all sea-level rise projection scenarios, except for the 2070 Intermediate-high SLR scenario, where it is classified as having "medium Sensitivity." Sensitivity analysis maps for the designated planning horizons in both TI and NBI & HI can be found in **Appendix AA**. These maps serve as valuable tools for discerning the extent of sensitivity levels within each segment of the evacuation routes.

Table 7-7. Sensitivity Analysis of the Evacuation Route in TI and NBI & HI in Sea-level Rise Scenarios

Island	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
TI	2040 IL	John F Kennedy CSWY	0.759	63.94	27.24	8.83	0.23
	2040 IH	John F Kennedy CSWY	0.759	64.69	26.26	9.06	0.23
	2070 IL	John F Kennedy CSWY	0.759	62.74	26.46	10.81	0.24
	2070 IH	John F Kennedy CSWY	0.759	45.04	21.39	33.58	0.38
NBI & HI	2040 IL	John F Kennedy CSWY	0.300	91.64	6.17	2.20	0.15
	2040 IH	John F Kennedy CSWY	0.300	90.95	7.50	1.56	0.15
	2070 IL	John F Kennedy CSWY	0.300	90.95	6.93	2.13	0.15
	2070 IH	John F Kennedy CSWY	0.300	88.99	9.46	1.56	0.15

Legend High Medium Low

7.3.2.1.2. Storm Surge Modeling

In order to assess the potential impacts of storm surge occurrences on evacuation routes, a sensitivity analysis was performed using the results obtained from the exposure analysis of Category 1 and Category 5 storm surge events during no rainfall events. The average flood depth was computed as the sensitivity metric and subsequently color-coded in accordance with **Table 7-2**.

Table 7-8 presents the total length of the evacuation routes in TI, and NBI & HI, along with the percentage of length inundated and the mean flood depths under Category 1 and Category 5 of the storm surge conditions. Upon an examination of this table, it becomes evident that the entire John F Kennedy Causeway in the Village, except the section over the East Drawbridge in TI, experiences flooding much greater than 0.5 feet in storm

surge scenarios. Consequently, the evacuation routes in the Village are classified as having "high sensitivity" in all scenarios for both the storm surge categories.

In **Appendix AB**, you can access the sensitivity analysis maps for Category 1 storm surges in both TI and NBI & HI, and **Appendix AC** contains the maps for Category 5 storm surges for islands. These maps serve as indispensable tools for gaining insights into the extent of sensitivity levels within each segment of the evacuation routes.

Table 7-8. Sensitivity Analysis of Evacuation Routes in TI and NBI & HI under Category 1 and Category 5 Storm Surge Conditions

Island	Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
TI	Category 1	2040 IL	John F Kennedy CSWY	0.759	13.88	1.19	84.94	9.20
		2040 IH	John F Kennedy CSWY	0.759	13.65	1.19	85.16	9.64
		2070 IL	John F Kennedy CSWY	0.759	13.68	1.04	85.29	9.77
		2070 IH	John F Kennedy CSWY	0.759	12.85	0.92	86.24	11.55
	Category 5	2040 IL	John F Kennedy CSWY	0.759	12.35	1.01	86.63	12.26
		2040 IH	John F Kennedy CSWY	0.759	12.28	0.82	86.91	12.68
		2070 IL	John F Kennedy CSWY	0.759	12.06	1.04	86.91	12.81
		2070 IH	John F Kennedy CSWY	0.759	11.28	0.94	87.78	14.57
NBI & HI	Category 1	2040 IL	John F Kennedy CSWY	0.300	0.00	0.00	100.00	9.33

Island	Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
		2040 IH	John F Kennedy CSWY	0.300	0.00	0.00	100.00	9.76
		2070 IL	John F Kennedy CSWY	0.300	0.00	0.00	100.00	9.89
		2070 IH	John F Kennedy CSWY	0.300	0.00	0.00	100.00	11.64
	Category 5	2040 IL	John F Kennedy CSWY	0.300	0.00	0.00	100.00	12.35
		2040 IH	John F Kennedy CSWY	0.300	0.00	0.00	100.00	12.77
		2070 IL	John F Kennedy CSWY	0.300	0.00	0.00	100.00	12.90
		2070 IH	John F Kennedy CSWY	0.300	0.00	0.00	100.00	14.65

Legend | High | Medium | Low

7.3.2.2 Primary Roads

The primary roads were categorized as section or quarter roadways, which lead to the evacuation routes. Within TI, four (4) primary roads were identified, including East Treasure Dr., Hispanola Ave., Adventure Ave., and 79th Street. In NBI and HI, there are a total of nine (9) primary roads recognized, which include Coquina Dr., Beach View Dr., Center Bay Dr., East Dr., Harbor Island Dr., West Dr., Miami View Dr., Larry Paskow Way, and 79th Parkway.

Considering the road lengths, the percentage of inundation was calculated and classified based on flood depth as below:

- Less than 0.25 ft. (3 inches)
- Between 0.25 to 0.5 ft. (3 to 6 inches)

- Greater than 0.5 ft. (6 inches)

7.3.2.2.1 Sea-Level Rise Scenarios

To assess the potential impact of sea-level rise on the primary roads, we carried out a sensitivity analysis using the results obtained from exposure analyses of 5-YR, 24-HR design storm events. The computed average flood depth was utilized as the sensitivity metric and subsequently color-coded in accordance with **Table 7-1**. The findings for the primary roads in TI and NBI & HI under various sea-level rise scenarios are presented in separate tables below.

Table 7-9 provides the total length of the primary roads in TI, the percentage of their length inundated, and the calculated average flood depths. As discerned from this table, in all sea-level rise scenarios, the following roadways exhibit "high sensitivity":

- Hispanola Ave.
- Adventure Ave.

However, the following two roads are considered "low sensitivity" in the 2040 intermediate-low and -high SLR scenarios, as well as the 2070 intermediate-low SLR scenario, but they are classified as "high sensitivity" in the 2070 intermediate-high SLR scenario:

- East Treasure Dr.
- 79th St.

Table 7-9. Sensitivity Analysis of Primary Roads in TI under Sea-level Rise Scenarios

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2040 IL	East Treasure Dr.	0.255	90.85	9.15	0.00	0.14
	Hispanola Ave.	0.284	19.17	5.37	75.45	0.63
	Adventure Ave.	0.283	19.16	18.43	62.40	0.59
	79th St.	0.145	93.13	6.11	0.75	0.14
2040 IH	East Treasure Dr.	0.255	88.66	11.34	0.00	0.15

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
	Hispanola Ave.	0.284	18.50	5.57	75.92	0.69
	Adventure Ave.	0.283	13.47	19.10	67.42	0.63
	79th St.	0.145	93.00	5.59	1.41	0.14
2070 IL	East Treasure Dr.	0.255	83.98	16.02	0.00	0.16
	Hispanola Ave.	0.284	18.31	5.44	76.26	0.72
	Adventure Ave.	0.283	11.34	20.44	68.23	0.65
	79th St.	0.145	92.61	6.63	0.75	0.14
2070 IH	East Treasure Dr.	0.255	10.22	0.78	88.99	0.90
	Hispanola Ave.	0.284	0.03	3.43	96.53	0.94
	Adventure Ave.	0.283	0.02	0.02	99.95	1.00
	79th St.	0.145	47.27	4.02	48.70	0.50

Legend	High	Medium	Low

Table 7-10 provides information on the total length of the primary roads in NBI & HI, the percentage of their length inundated, and the calculated average flood depths for various sea-level rise scenarios. It is evident that the following roadways demonstrate a "high sensitivity" in all SLR scenarios:

- Coquina Dr.
- Beach View Dr.
- Center Bay Dr.
- Miami View Dr.
- 79th Parkway.

Conversely, the next two roadways exhibit a "medium sensitivity" in all SLR scenarios, except for "West Dr." which shows a "high sensitivity" in the 2070 intermediate-high SLR scenario:

- West Dr.
- East Dr.

Furthermore, the two roadways listed below exhibit "low sensitivity" in the 2040 intermediate-low and -high SLR scenarios and the 2070 intermediate-low SLR scenario. However, they escalate to a "medium sensitivity" level:

- Harbor Island Dr.
- Larry Paskow Way.

The primary roadways sensitivity analysis maps for both TI as well as NBI & HI under the sea-level rise scenarios are presented in **Appendix AD**. The maps help to identify the degree of sensitivity levels in each segment of the roadways.

Table 7-10. Sensitivity Analysis of the Primary Roads in NBI and HI for Sea-level Rise Scenarios

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2040 IL	Coquina Dr.	0.275	1.42	27.29	71.29	0.73
	Beach View Dr.	0.273	0.04	11.82	88.14	0.82
	Center Bay Dr.	0.274	0.04	24.01	75.94	0.72
	East Dr.	0.362	47.03	35.63	17.34	0.30
	Harbor Island Dr.	0.033	84.36	15.65	0.00	0.16
	West Dr.	0.366	34.32	33.23	32.46	0.40
	Miami View Dr.	0.272	6.24	18.84	74.92	0.73
	Larry Paskow Way.	0.020	87.78	11.88	0.35	0.15
	79th Parkway.	0.148	17.59	32.44	49.98	0.53
2040 IH	Coquina Dr.	0.275	0.04	19.35	80.61	0.77

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
	Beach View Dr.	0.273	0.04	5.79	94.17	0.86
	Center Bay Dr.	0.274	0.04	17.65	82.30	0.75
	East Dr.	0.362	48.18	33.60	18.23	0.30
	Harbor Island Dr.	0.033	82.62	15.62	1.76	0.17
	West Dr.	0.366	33.94	29.95	36.12	0.42
	Miami View Dr.	0.272	4.02	16.19	79.79	0.77
	Larry Paskow Way.	0.020	85.86	13.80	0.35	0.15
	79th Parkway.	0.148	14.77	22.58	62.66	0.59
2070 IL	Coquina Dr.	0.275	0.04	16.94	83.02	0.79
	Beach View Dr.	0.273	0.04	2.81	97.15	0.89
	Center Bay Dr.	0.274	0.04	15.10	84.85	0.77
	East Dr.	0.362	47.19	34.38	18.44	0.31
	Harbor Island Dr.	0.033	82.65	17.36	0.00	0.16
	West Dr.	0.366	29.64	31.04	39.33	0.44
	Miami View Dr.	0.272	2.97	14.52	82.51	0.79
	Larry Paskow Way.	0.020	85.86	13.80	0.35	0.15
	79th Parkway.	0.148	14.51	17.58	67.90	0.61
2070 IH	Coquina Dr.	0.275	0.04	0.04	99.92	1.00
	Beach View Dr.	0.273	0.04	0.04	99.93	1.00
	Center Bay Dr.	0.274	0.04	0.04	99.91	1.00
	East Dr.	0.362	23.77	42.22	34.01	0.42

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
	Harbor Island Dr.	0.033	71.07	8.69	20.25	0.27
	West Dr.	0.366	24.65	23.71	51.64	0.52
	Miami View Dr.	0.272	0.05	0.05	99.90	1.00
	Larry Paskow Way.	0.020	42.62	14.76	42.62	0.45
	79th Parkway.	0.148	1.19	1.19	97.61	0.94

Legend	High	Medium	Low

7.3.2.2.2 Storm Surge Modeling

In order to assess the potential impacts of storm surge occurrences on primary routes, a sensitivity analysis was performed using the results obtained from the exposure analysis of Category 1 and Category 5 storm surge events during no rainfall events. The average flood depth was computed as the sensitivity metric in accordance with **Table 7-2** and subsequently color-coded, aligning with the predefined graphical representation of flooding criteria levels.

The findings for the primary roads in TI and NBI & HI under various storm surge events and scenarios are presented in separate tables below.

Table 7-11 presents the total length of the primary roads in TI, along with the corresponding percentage of their inundation and sensitivity levels computed under storm surge conditions. As indicated by the table, all primary roadways are projected to experience flooding exceeding way greater than 0.5 ft. in both Category 1 and Category 5 storm surge events across various projected scenarios. This "high sensitivity" level is visually emphasized through a red color-coded scheme in the table.

Table 7-11. Sensitivity Analysis of Primary Roads in TI under Category 1 and Category 5 Storm Surge Conditions

Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
Category 1	2040 IL	East Treasure Dr.	0.255	0.00	0.00	100.00	9.38
		Hispanola Ave.	0.284	0.00	0.00	100.00	8.90
		Adventure Ave.	0.283	0.00	0.00	100.00	9.08
		79th St.	0.145	0.00	0.00	100.00	9.31
	2040 IH	East Treasure Dr.	0.255	0.00	0.00	100.00	9.81
		Hispanola Ave.	0.284	0.00	0.00	100.00	9.35
		Adventure Ave.	0.283	0.00	0.00	100.00	9.52
		79th St.	0.145	0.00	0.00	100.00	9.74
	2070 IL	East Treasure Dr.	0.255	0.00	0.00	100.00	9.94
		Hispanola Ave.	0.284	0.00	0.00	100.00	9.49
		Adventure Ave.	0.283	0.00	0.00	100.00	9.65
		79th St.	0.145	0.00	0.00	100.00	9.87
	2070 IH	East Treasure Dr.	0.255	0.00	0.00	100.00	11.68
		Hispanola Ave.	0.284	0.00	0.00	100.00	11.31
		Adventure Ave.	0.283	0.00	0.00	100.00	11.44
		79th St.	0.145	0.00	0.00	100.00	11.63
Category 5	2040 IL	East Treasure Dr.	0.255	0.00	0.00	100.00	12.39
		Hispanola Ave.	0.284	0.00	0.00	100.00	12.01

Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
		Adventure Ave.	0.283	0.00	0.00	100.00	12.14
		79th St.	0.145	0.00	0.00	100.00	12.34
	2040 IH	East Treasure Dr.	0.255	0.00	0.00	100.00	12.81
		Hispanola Ave.	0.284	0.00	0.00	100.00	12.44
		Adventure Ave.	0.283	0.00	0.00	100.00	12.57
		79th St.	0.145	0.00	0.00	100.00	12.76
	2070 IL	East Treasure Dr.	0.255	0.00	0.00	100.00	12.94
		Hispanola Ave.	0.284	0.00	0.00	100.00	12.58
		Adventure Ave.	0.283	0.00	0.00	100.00	12.70
		79th St.	0.145	0.00	0.00	100.00	12.89
	2070 IH	East Treasure Dr.	0.255	0.00	0.00	100.00	14.69
		Hispanola Ave.	0.284	0.00	0.00	100.00	14.36
		Adventure Ave.	0.283	0.00	0.00	100.00	14.47
		79th St.	0.145	0.00	0.00	100.00	14.64

Legend High Medium Low

Table 7-12 illustrates the total length of primary roadways in NBI & HI, accompanied by the respective percentages of flooded and their sensitivity level under the influence of storm surge conditions. As indicated in the table, all primary roadways are projected to experience flooding exceeding way greater than 0.5 ft. in both Category 1 and Category 5 storm surge events across various projected scenarios. This "high sensitivity" level is visually emphasized through a red color-coded scheme in the table.

Table 7-12. Sensitivity Analysis of Primary Roads in NBI & HI under Category 1 and Category 5 Storm Surge Conditions

Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
Category 1	2040 IL	Coquina Dr.	0.275	0.00	0.00	100.00	9.15
		Beach View Dr.	0.273	0.00	0.00	100.00	9.31
		Center Bay Dr.	0.274	0.00	0.00	100.00	9.16
		East Dr.	0.362	0.00	0.00	100.00	9.36
		Harbor Island Dr.	0.033	0.00	0.00	100.00	9.30
		West Dr.	0.366	0.00	0.00	100.00	9.33
		Miami View Dr.	0.272	0.00	0.00	100.00	9.31
		Larry Paskow Way.	0.020	0.00	0.00	100.00	9.22
		79th Parkway.	0.148	0.00	0.00	100.00	9.24
	2040 IH	Coquina Dr.	0.275	0.00	0.00	100.00	9.59
		Beach View Dr.	0.273	0.00	0.00	100.00	9.74
		Center Bay Dr.	0.274	0.00	0.00	100.00	9.60
		East Dr.	0.362	0.00	0.00	100.00	9.78
		Harbor Island Dr.	0.033	0.00	0.00	100.00	9.73
		West Dr.	0.366	0.00	0.00	100.00	9.76
		Miami View Dr.	0.272	0.00	0.00	100.00	9.74
		Larry Paskow Way.	0.020	0.00	0.00	100.00	9.66
		79th Parkway.	0.148	0.00	0.00	100.00	9.67
	2070 IL	Coquina Dr.	0.275	0.00	0.00	100.00	9.72
		Beach View Dr.	0.273	0.00	0.00	100.00	9.87

Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
		Center Bay Dr.	0.274	0.00	0.00	100.00	9.73
		East Dr.	0.362	0.00	0.00	100.00	9.91
		Harbor Island Dr.	0.033	0.00	0.00	100.00	9.87
		West Dr.	0.366	0.00	0.00	100.00	9.89
		Miami View Dr.	0.272	0.00	0.00	100.00	9.87
		Larry Paskow Way.	0.020	0.00	0.00	100.00	9.80
		79th Parkway.	0.148	0.00	0.00	100.00	9.81
	2070 IH	Coquina Dr.	0.275	0.00	0.00	100.00	11.50
		Beach View Dr.	0.273	0.00	0.00	100.00	11.62
		Center Bay Dr.	0.274	0.00	0.00	100.00	11.51
		East Dr.	0.362	0.00	0.00	100.00	11.66
		Harbor Island Dr.	0.033	0.00	0.00	100.00	11.63
		West Dr.	0.366	0.00	0.00	100.00	11.65
		Miami View Dr.	0.272	0.00	0.00	100.00	11.63
		Larry Paskow Way.	0.020	0.00	0.00	100.00	11.56
		79th Parkway.	0.148	0.00	0.00	100.00	11.58
Category 5	2040 IL	Coquina Dr.	0.275	0.00	0.00	100.00	12.20
		Beach View Dr.	0.273	0.00	0.00	100.00	12.33
		Center Bay Dr.	0.274	0.00	0.00	100.00	12.21
		East Dr.	0.362	0.00	0.00	100.00	12.37
		Harbor Island Dr.	0.033	0.00	0.00	100.00	12.33
		West Dr.	0.366	0.00	0.00	100.00	12.36

Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
		Miami View Dr.	0.272	0.00	0.00	100.00	12.33
		Larry Paskow Way.	0.020	0.00	0.00	100.00	12.26
		79th Parkway.	0.148	0.00	0.00	100.00	12.28
	2040 IH	Coquina Dr.	0.275	0.00	0.00	100.00	12.63
		Beach View Dr.	0.273	0.00	0.00	100.00	12.75
		Center Bay Dr.	0.274	0.00	0.00	100.00	12.64
		East Dr.	0.362	0.00	0.00	100.00	12.79
		Harbor Island Dr.	0.033	0.00	0.00	100.00	12.76
		West Dr.	0.366	0.00	0.00	100.00	12.78
		Miami View Dr.	0.272	0.00	0.00	100.00	12.76
		Larry Paskow Way.	0.020	0.00	0.00	100.00	12.69
		79th Parkway.	0.148	0.00	0.00	100.00	12.71
	2070 IL	Coquina Dr.	0.275	0.00	0.00	100.00	12.76
		Beach View Dr.	0.273	0.00	0.00	100.00	12.88
		Center Bay Dr.	0.274	0.00	0.00	100.00	12.77
		East Dr.	0.362	0.00	0.00	100.00	12.92
		Harbor Island Dr.	0.033	0.00	0.00	100.00	12.89
		West Dr.	0.366	0.00	0.00	100.00	12.91
		Miami View Dr.	0.272	0.00	0.00	100.00	12.89
		Larry Paskow Way.	0.020	0.00	0.00	100.00	12.83
		79th Parkway.	0.148	0.00	0.00	100.00	12.84

Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
	2070 IH	Coquina Dr.	0.275	0.00	0.00	100.00	14.53
		Beach View Dr.	0.273	0.00	0.00	100.00	14.63
		Center Bay Dr.	0.274	0.00	0.00	100.00	14.53
		East Dr.	0.362	0.00	0.00	100.00	14.67
		Harbor Island Dr.	0.033	0.00	0.00	100.00	14.64
		West Dr.	0.366	0.00	0.00	100.00	14.66
		Miami View Dr.	0.272	0.00	0.00	100.00	14.64
		Larry Paskow Way.	0.020	0.00	0.00	100.00	14.58
		79th Parkway.	0.148	0.00	0.00	100.00	14.60

Legend High Medium Low

For further insights into primary roadway's sensitivity analysis, please refer to **Appendix AE**, which contains sensitivity analysis maps for TI and NBI & HI under Category 1 storm surge conditions. Additionally, **Appendix AF** includes sensitivity analysis maps for Category 5 storm surge scenarios for TI and NBI & H. These sensitivity analysis maps offer a comprehensive view of the sensitivity levels in each segment of the primary roadways, aiding in the assessment of their susceptibility to flooding.

7.3.3 Bus Routes

As previously mentioned, a bus route spans the entire Village, following the path of the John F. Kennedy Causeway. This bus route constitutes an important asset within the category of Transportation Assets and Evacuation Routes. This bus route comprises a section of 0.759 miles in TI and an additional section of 0.300 miles in NBI and HI. Sensitivity analysis was conducted for these bus route sections under sea-level rise scenarios and storm surge conditions. Detailed analysis and findings are presented in the subsequent subsections.

7.3.3.1 Sea-Level Rise Scenarios

To assess the sensitivity level of bus routes to sea-level rise scenarios, a sensitivity analysis was conducted. This analysis was based on the expected LOS outlined in **Table 7-1** and considering the maximum depth of floods associated with the 10-YR, 24-HR design storm events. **Table 7-13** shows the results of the analysis for the bus route sections in TI and NBI & HI under sea-level rise scenarios. The analysis indicates that the bus routes are "low sensitivity" to flooding in all SLR scenarios, except the section in TI in the 2070 intermediate-high SLR scenario, which exhibits a "medium sensitivity". **Appendix AG** presents the sensitivity analysis of the bus route segments for both TI and NBI & HI under different SLR scenarios.

Table 7-13. Sensitivity Analysis of the Bus Route of TI and NBI&HI for Sea-Level Rise Scenarios

Island	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
TI	2040 IL	Bus Route	0.759	82.42	15.58	2.00	0.16
	2040 IH	Bus Route	0.759	80.02	16.73	3.25	0.17
	2070 IL	Bus Route	0.759	79.00	18.83	2.17	0.17
	2070 IH	Bus Route	0.759	49.29	24.20	26.52	0.34
NBI & HI	2040 IL	Bus Route	0.300	94.73	3.71	1.56	0.13
	2040 IH	Bus Route	0.300	97.19	2.07	0.74	0.13
	2070 IL	Bus Route	0.300	96.00	2.57	1.44	0.13
	2070 IH	Bus Route	0.300	89.75	8.76	1.50	0.15

Legend High Medium Low

7.3.3.1 Storm Surge Modeling

In order to assess the potential impacts of storm surge occurrences on bus routes, a sensitivity analysis was performed using the results obtained from the exposure analysis of Category 1 and Category 5 storm surge events during no rainfall events. The average flood depth was computed as the sensitivity metric in accordance with **Table 7-2** and subsequently color-coded, aligning with the predefined graphical representation of flooding criteria levels.

Table 7-14 shows the results of the analysis of the bus route sections in TI and NBI & HI for Category 1 and Category 5 storm surge Conditions under various projected SLR scenarios. The analysis indicates that the bus routes are "highly sensitive" to flooding in both storm surge types. **Appendix AH** and **Appendix AI** provide the

sensitivity analysis of the bus routes segments for TI as well as NBI & HI for Category 1 and Category 5 storm surge conditions, respectively.

Table 7-14. Sensitivity Analysis of the Bus Routes in TI and NBI & HI under Category 1 and Category 5 Storm Surge Conditions

Island	Hurricane Type	Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
TI	Category 1	2040 IL	Bus Route	0.759	13.98	1.30	84.72	9.15
		2040 IH	Bus Route	0.759	13.73	1.32	84.94	9.59
		2070 IL	Bus Route	0.759	13.76	1.20	85.04	9.73
		2070 IH	Bus Route	0.759	12.96	1.02	86.02	11.51
	Category 5	2040 IL	Bus Route	0.759	12.41	1.17	86.42	12.22
		2040 IH	Bus Route	0.759	12.34	0.95	86.72	12.65
		2070 IL	Bus Route	0.759	12.11	1.17	86.72	12.78
		2070 IH	Bus Route	0.759	11.39	1.07	87.54	14.54
NBI & HI	Category 1	2040 IL	Bus Route	0.300	0.00	0.00	100.00	9.41
		2040 IH	Bus Route	0.300	0.00	0.00	100.00	9.83
		2070 IL	Bus Route	0.300	0.00	0.00	100.00	9.96
		2070 IH	Bus Route	0.300	0.00	0.00	100.00	11.70
	Category 5	2040 IL	Bus Route	0.300	0.00	0.00	100.00	12.42
		2040 IH	Bus Route	0.300	0.00	0.00	100.00	12.83
		2070 IL	Bus Route	0.300	0.00	0.00	100.00	12.97
		2070 IH	Bus Route	0.300	0.00	0.00	100.00	14.71

Legend High Medium Low

7.3.4 Bus Stops

As previously mentioned, the bus route within the Village encompasses six (6) bus stops in TI, along with two (2) bus stops in NBI and HI. Sensitivity analysis was conducted for these eight (8) bus stops under sea-level rise scenarios and storm surge conditions. Detailed analysis and findings are presented in the subsequent subsections.

7.3.4.1 Sea-Level Rise Scenarios

To ascertain the sensitivity levels of bus stops in response to sea-level rise scenarios, a sensitivity analysis was undertaken by estimating their elevations. This estimation was based on the crown elevation of the nearest roadways and a comparison with the maximum flood depth corresponding to the 10-year, 24-hour design storm event at the respective bus stop locations, as elaborated in **Table 7-1**.

The results of the sensitivity analysis for the bus stops in the 2040 and 2070 intermediate-low and -high sea-level rise scenarios reveal that four (4) out of the six (6) bus stops in TI are “highly sensitive,” while the remaining two (2) stops exhibit "medium sensitivity". Conversely, the two (2) bus stops in NBI & HI are also categorized as “highly sensitive”. Maps illustrating the sensitivity levels of the bus stops for both TI as well as NBI & HI in the context of sea-level rise scenarios can be found in **Appendix AJ**.

7.3.4.2 Storm Surge Modeling

To evaluate the sensitivity levels of the bus stops under the storm surge conditions, a sensitivity analysis was performed, utilizing their estimated elevations derived from the crown elevation of the closest roadways. This analysis involved a comparison with the peak flood depth elevations during Category 1 and Category 5 storm surge conditions in No Rainfall, 72-Hour storm events, as outlined in **Table 7-2**.

The results of the sensitivity analysis for these bus stops demonstrate that all of them are classified as "highly sensitive". Detailed maps illustrating sensitivity levels of the bus stops in both TI and NBI & HI, under Category 1 and Category 5 storm surge conditions within the context of storm surge scenarios, are provided in **Appendix AK** and **Appendix AL**, respectively.

7.4 Critical Infrastructures

The Village’s Critical Infrastructures comprises thirty-six (36) outfalls and four (4) Sanitary Sewer Pump Stations. These outfalls play a crucial role in transporting stormwater from the drainage pipe systems to the Bay. We conducted a sensitivity analysis on these assets, taking into account their designated LOS for the sea-level rise scenarios in **Table 7-1** and the peak stage elevations for the storm surge scenarios defined in **Table 7-2**. The outcomes of this sensitivity analysis for these assets are detailed in the subsequent sections.

7.4.1 Outfalls

As previously mentioned, there are a total of thirty-six (36) outfalls within the Village. Twelve (12) of these outfalls are in TI, while ten (10) and fourteen (14) are in NBI and HI, respectively. The location and respective name of these outfalls are detailed in chapter five (5), *Critical Asset Inventory*. The sensitivity analysis of the outfalls is presented in the following subsections.

7.4.1.1 Sea-Level Rise Scenarios

To assess the impact of sea-level rise on the outfalls, we determined the maximum flood depth along the roadways near the catch basins upstream of each outfall during 10-YR, 24-HR design storm events. Utilizing the classifications provided in **Table 7-1**, we conducted a sensitivity analysis for each outfall, and the results are summarized in **Table 7-15**.

This analysis reveals that out of the twelve (12) outfalls in the TI, eight (8) of them exhibit a consistently "highly sensitive" across all SLR scenarios. Additionally, three (3) outfalls, namely Out550, Out517, and Out549, display a "medium sensitivity" in the 2040 intermediate-low, 2040 intermediate-high, and 2070 intermediate-low SLR scenarios. Notably, their sensitivity escalates to "high sensitivity" in the 2070 intermediate-high SLR scenario. In contrast, one outfall, Out524, demonstrates a "low sensitivity" in all SLR scenarios. To locate these outfalls, please refer to chapter five (5), *Critical Asset Inventory.*

In reference to the outfalls in NBI, it is noteworthy that all of them consistently display a "highly sensitive" response across all SLR scenarios.

On the other hand, among the fourteen (14) outfalls in HI, eight (8) consistently exhibit a "highly sensitive" level in all SLR scenarios. However, five (5) of these outfalls consistently demonstrate a "medium sensitivity" in all SLR scenarios. In contrast, one (1) particular outfall, Out544, initially shows a "low sensitivity" in the 2040 intermediate-low to 2070 intermediate-low SLR scenarios. Yet, its sensitivity increases to a "medium sensitivity" level in the 2070 intermediate-high SLR scenario.

Table 7-15. Sensitivity Analysis of the Outfalls in TI, and NBI & HI in Sea-level Rise Scenarios

Island	Outfall Name	Outfall Size (in)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
					2040 IL	2040 IH	2070 IL	2070 IH
TI	Out511	10	80° 9' 14.088" W	25° 50' 38.602" N	1.81	1.91	1.95	3.53
	Out512	10	80° 9' 10.752" W	25° 50' 38.694" N	2.15	2.24	2.30	3.85

Island	Outfall Name	Outfall Size (in)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
					2040 IL	2040 IH	2070 IL	2070 IH
	Out513	24	80° 9' 8.271" W	25° 50' 38.765" N	1.71	1.78	1.83	3.29
	Out514	36	80° 9' 2.195" W	25° 50' 38.936" N	1.58	1.68	1.75	3.06
	Out515	Unknown	80° 8' 58.362" W	25° 50' 39.047" N	1.55	1.62	1.68	2.92
	Out516	24	80° 8' 54.392" W	25° 50' 39.157" N	0.53	0.66	0.70	1.77
	Out517	24	80° 8' 46.594" W	25° 50' 39.369" N	0.31	0.42	0.59	2.06
	Out550	Unknown	80° 8' 42.739" W	25° 50' 52.357" N	0.47	0.52	0.51	1.83
	Out549	30	80° 9' 19.726" W	25° 50' 54.332" N	0.23	0.33	0.35	0.99
	Out510	12	80° 9' 19.516" W	25° 50' 49.835" N	2.01	2.06	2.11	3.66
	Out548	18	80° 8' 50.026" W	25° 50' 39.289" N	0.74	0.74	0.80	1.81
	Out524	24	80° 8' 44.296" W	25° 50' 54.841" N	0.00	0.00	0.00	0.00
NBI	Out503	10	80° 9' 36.159" W	25° 50' 39.370" N	1.63	1.69	1.73	2.73
	Out504	10	80° 9' 31.772" W	25° 50' 38.087" N	1.38	1.43	1.48	2.46
	Out505	10	80° 9' 29.151" W	25° 50' 38.174" N	1.45	1.50	1.54	2.54
	Out506	12	80° 9' 24.563" W	25° 50' 39.471" N	1.55	1.59	1.63	2.60
	Out507	10	80° 9' 24.775" W	25° 50' 44.525" N	2.32	2.33	2.45	3.50
	Out502	10	80° 9' 36.360" W	25° 50' 44.163" N	1.93	2.01	2.03	3.01
	Out501	10	80° 9' 36.570" W	25° 50' 49.703" N	1.82	1.90	1.92	2.82
	Out508	10	80° 9' 24.978" W	25° 50' 50.074" N	1.74	1.80	1.84	2.83
	Out509	12	80° 9' 25.125" W	25° 50' 53.265" N	1.56	1.63	1.66	2.64
	Out500	10	80° 9' 36.709" W	25° 50' 53.106" N	2.17	2.29	2.32	3.19
HI	Out529	12	80° 9' 25.209" W	25° 50' 55.519" N	0.93	0.94	0.99	1.21

Island	Outfall Name	Outfall Size (in)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
					2040 IL	2040 IH	2070 IL	2070 IH
	Out545	24	80° 9' 36.787" W	25° 50' 54.935" N	0.62	0.64	0.73	1.17
	Out544	18	80° 9' 36.864" W	25° 50' 57.012" N	0.00	0.00	0.00	0.39
	Out542	48	80° 9' 36.897" W	25° 50' 57.833" N	0.02	0.02	0.02	0.03
	Out543	12	80° 9' 36.896" W	25° 50' 57.769" N	0.02	0.02	0.02	0.03
	Out547	48	80° 9' 33.667" W	25° 51' 0.708" N	0.02	0.02	0.02	0.03
	Out531	24	80° 9' 25.314" W	25° 50' 58.154" N	0.04	0.01	0.02	0.28
	Out546	48	80° 9' 28.765" W	25° 51' 0.835" N	0.04	0.01	0.02	0.28
	Out541	15	80° 9' 37.756" W	25° 51' 2.592" N	0.79	0.81	0.85	1.01
	Out540	15	80° 9' 37.965" W	25° 51' 7.951" N	1.20	1.22	1.24	1.34
	Out535	12	80° 9' 25.079" W	25° 51' 8.546" N	0.82	0.83	0.85	0.93
	Out533	12	80° 9' 24.908" W	25° 51' 4.530" N	1.01	1.01	1.02	1.14
	Out539	12	80° 9' 38.158" W	25° 51' 12.816" N	0.98	0.92	1.02	1.12
	Out536	12	80° 9' 25.270" W	25° 51' 13.244" N	0.66	0.75	0.77	0.84

Legend High Medium Low

7.4.1.2 Storm Surge Modeling

In order to evaluate the influence of Category 1 and Category 5 storm surge events on the outfalls, we determined the flood depths during peak stage conditions along the roadways near the catch basins upstream of each outfall using No Rainfall, 72-HR event. Employing the classifications outlined in **Table 7-2**, we performed a sensitivity analysis for each individual outfall, and the findings are summarized in **Table 7-16**. The results clearly indicate that all outfalls within the Village exhibit a consistent "highly sensitive" regardless of whether it is under Category 1 or Category 5 storm surge conditions.

Table 7-16. Sensitivity Analysis of the Outfalls in TI, and NBI & HI in Category 1 and Category 5 Storm Surge Conditions

Hurricane Type	Island	Asset Nearest Road Intersection	Outfall Size (in)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
						2040 IL	2040 IH	2070 IL	2070 IH
Category 1	TI	Out511	10	80° 9' 14.088" W	25° 50' 38.602" N	7.84	8.27	8.40	10.16
		Out512	10	80° 9' 10.752" W	25° 50' 38.694" N	8.11	8.55	8.68	10.41
		Out513	24	80° 9' 8.271" W	25° 50' 38.765" N	7.64	8.06	8.20	9.96
		Out514	36	80° 9' 2.195" W	25° 50' 38.936" N	7.43	7.86	7.99	9.75
		Out515	Unknown	80° 8' 58.362" W	25° 50' 39.047" N	7.02	7.47	7.60	9.41
		Out516	24	80° 8' 54.392" W	25° 50' 39.157" N	6.27	6.72	6.84	8.60
		Out517	24	80° 8' 46.594" W	25° 50' 39.369" N	6.68	7.10	7.23	8.97
		Out550	Unknown	80° 8' 42.739" W	25° 50' 52.357" N	6.52	6.94	7.07	8.81
		Out549	30	80° 9' 19.726" W	25° 50' 54.332" N	5.43	5.88	6.02	7.78
		Out510	12	80° 9' 19.516" W	25° 50' 49.835" N	7.93	8.35	8.49	10.25
		Out548	18	80° 8' 50.026" W	25° 50' 39.289" N	6.33	6.75	6.90	8.65
		Out524	24	80° 8' 44.296" W	25° 50' 54.841" N	2.50	2.92	3.06	4.82
	NBI	Out503	10	80° 9' 36.159" W	25° 50' 39.370" N	7.20	7.63	7.76	9.51
		Out504	10	80° 9' 31.772" W	25° 50' 38.087" N	6.94	7.37	7.50	9.24
		Out505	10	80° 9' 29.151" W	25° 50' 38.174" N	7.02	7.45	7.58	9.34
		Out506	12	80° 9' 24.563" W	25° 50' 39.471" N	7.17	7.59	7.74	9.48
		Out507	10	80° 9' 24.775" W	25° 50' 44.525" N	7.85	8.28	8.40	10.15
		Out502	10	80° 9' 36.360" W	25° 50' 44.163" N	7.42	7.84	7.97	9.73
		Out501	10	80° 9' 36.570" W	25° 50' 49.703" N	7.26	7.70	7.82	9.58
		Out508	10	80° 9' 24.978" W	25° 50' 50.074" N	7.30	7.74	7.86	9.61

Hurricane Type	Island	Asset Nearest Road Intersection	Outfall Size (in)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
						2040 IL	2040 IH	2070 IL	2070 IH
		Out509	12	80° 9' 25.125" W	25° 50' 53.265" N	7.10	7.53	7.66	9.42
		Out500	10	80° 9' 36.709" W	25° 50' 53.106" N	7.60	8.02	8.15	9.91
	HI	Out529	12	80° 9' 25.209" W	25° 50' 55.519" N	5.64	6.07	6.20	8.00
		Out545	24	80° 9' 36.787" W	25° 50' 54.935" N	5.64	6.03	6.20	7.94
		Out544	18	80° 9' 36.864" W	25° 50' 57.012" N	4.54	4.97	5.10	6.84
		Out542	48	80° 9' 36.897" W	25° 50' 57.833" N	4.58	5.00	5.11	6.88
		Out543	12	80° 9' 36.896" W	25° 50' 57.769" N	4.58	5.00	5.11	6.88
		Out547	48	80° 9' 33.667" W	25° 51' 0.708" N	4.58	5.00	5.11	6.88
		Out531	24	80° 9' 25.314" W	25° 50' 58.154" N	4.94	5.35	5.49	7.23
		Out546	48	80° 9' 28.765" W	25° 51' 0.835" N	4.94	5.35	5.49	7.23
		Out541	15	80° 9' 37.756" W	25° 51' 2.592" N	4.67	5.08	5.21	6.95
		Out540	15	80° 9' 37.965" W	25° 51' 7.951" N	4.77	5.19	5.34	7.07
		Out535	12	80° 9' 25.079" W	25° 51' 8.546" N	4.40	4.81	4.95	6.72
		Out533	12	80° 9' 24.908" W	25° 51' 4.530" N	4.78	5.21	5.32	7.09
		Out539	12	80° 9' 38.158" W	25° 51' 12.816" N	4.61	5.04	5.17	6.90
		Out536	12	80° 9' 25.270" W	25° 51' 13.244" N	4.64	5.07	5.20	6.94
Category 5	TI	Out511	10	80° 9' 14.088" W	25° 50' 38.602" N	10.86	11.29	11.42	13.17
		Out512	10	80° 9' 10.752" W	25° 50' 38.694" N	11.14	11.57	11.70	13.42
		Out513	24	80° 9' 8.271" W	25° 50' 38.765" N	10.67	11.08	11.22	12.97
		Out514	36	80° 9' 2.195" W	25° 50' 38.936" N	10.46	10.88	11.01	12.76
		Out515	Unknown	80° 8' 58.362" W	25° 50' 39.047" N	10.11	10.54	10.67	12.45

Hurricane Type	Island	Asset Nearest Road Intersection	Outfall Size (in)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
						2040 IL	2040 IH	2070 IL	2070 IH
		Out516	24	80° 8' 54.392" W	25° 50' 39.157" N	9.31	9.75	9.87	11.62
		Out517	24	80° 8' 46.594" W	25° 50' 39.369" N	9.68	10.10	10.24	11.97
		Out550	Unknown	80° 8' 42.739" W	25° 50' 52.357" N	9.52	9.94	10.07	11.81
		Out549	30	80° 9' 19.726" W	25° 50' 54.332" N	8.47	8.91	9.06	10.80
		Out510	12	80° 9' 19.516" W	25° 50' 49.835" N	10.95	11.38	11.51	13.26
		Out548	18	80° 8' 50.026" W	25° 50' 39.289" N	9.37	9.78	9.93	11.67
		Out524	24	80° 8' 44.296" W	25° 50' 54.841" N	5.53	5.95	6.08	7.83
	NBI	Out503	10	80° 9' 36.159" W	25° 50' 39.370" N	10.22	10.64	10.77	12.52
		Out504	10	80° 9' 31.772" W	25° 50' 38.087" N	9.96	10.39	10.52	12.25
		Out505	10	80° 9' 29.151" W	25° 50' 38.174" N	10.05	10.47	10.60	12.35
		Out506	12	80° 9' 24.563" W	25° 50' 39.471" N	10.18	10.60	10.75	12.49
		Out507	10	80° 9' 24.775" W	25° 50' 44.525" N	10.87	11.29	11.42	13.16
		Out502	10	80° 9' 36.360" W	25° 50' 44.163" N	10.44	10.86	10.99	12.74
		Out501	10	80° 9' 36.570" W	25° 50' 49.703" N	10.28	10.71	10.84	12.59
		Out508	10	80° 9' 24.978" W	25° 50' 50.074" N	10.32	10.76	10.88	12.62
		Out509	12	80° 9' 25.125" W	25° 50' 53.265" N	10.13	10.55	10.68	12.43
		Out500	10	80° 9' 36.709" W	25° 50' 53.106" N	10.61	11.04	11.16	12.92
	HI	Out529	12	80° 9' 25.209" W	25° 50' 55.519" N	8.68	9.10	9.23	11.01
		Out545	24	80° 9' 36.787" W	25° 50' 54.935" N	8.65	9.04	9.21	10.95
		Out544	18	80° 9' 36.864" W	25° 50' 57.012" N	7.55	7.98	8.10	9.84
		Out542	48	80° 9' 36.897" W	25° 50' 57.833" N	7.59	8.01	8.11	9.89

Hurricane Type	Island	Asset Nearest Road Intersection	Outfall Size (in)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
						2040 IL	2040 IH	2070 IL	2070 IH
		Out543	12	80° 9' 36.896" W	25° 50' 57.769" N	7.59	8.01	8.11	9.89
		Out547	48	80° 9' 33.667" W	25° 51' 0.708" N	7.59	8.01	8.11	9.89
		Out531	24	80° 9' 25.314" W	25° 50' 58.154" N	7.94	8.36	8.49	10.23
		Out546	48	80° 9' 28.765" W	25° 51' 0.835" N	7.94	8.36	8.49	10.23
		Out541	15	80° 9' 37.756" W	25° 51' 2.592" N	7.69	8.10	8.23	9.96
		Out540	15	80° 9' 37.965" W	25° 51' 7.951" N	7.80	8.22	8.36	10.09
		Out535	12	80° 9' 25.079" W	25° 51' 8.546" N	7.44	7.85	7.98	9.74
		Out533	12	80° 9' 24.908" W	25° 51' 4.530" N	7.79	8.21	8.32	10.09
		Out539	12	80° 9' 38.158" W	25° 51' 12.816" N	7.61	8.05	8.18	9.90
		Out536	12	80° 9' 25.270" W	25° 51' 13.244" N	7.64	8.07	8.20	9.95

Legend High Medium Low

7.4.2 Sanitary Sewer Pump Stations

As previously mentioned, there are a total of four (4) Sanitary Sewer Pump Stations within the Village: three (3) are located in TI and one (1) in HI. The sensitivity analysis of these Sanitary Sewer Pump Stations is presented in the following subsections.

7.4.2.1 Sea-Level Rise Scenarios

To evaluate the sensitivity of the Sanitary Sewer Pump Stations in the sea-level-rise scenarios, we inspected the maximum flood depth resulting from a 50-YR, 72-HR design storm event to the height of the structures. We utilized the classification system outlined in **Table 7-1** to determine the sensitivity levels. The maximum flood depth for a 50-YR, 72-HR design storm event was derived by averaging the flood depths of 100-YR, 72-HR and 25-YR, 72-HR design storm events. The outcomes of this sensitivity assessment for the Sanitary Sewer Pump Stations are presented in **Table 7-17**.

The analysis reveals that the pump stations near "Hispanola Ave. & N Treasure Dr." and "S Treasure Dr. & Buccaneer Ave." consistently exhibit a "highly sensitive" level in all sea-level rise scenarios. In contrast, the sanitary pump station near "Galleon St." consistently demonstrates "medium sensitivity" in all sea-level rise scenarios.

Furthermore, the sanitary sewer pump station in HI, located near "East Dr.," displays a "medium sensitivity" in the 2040 intermediate-low and -high SLR scenarios, as well as in the 2070 intermediate-low SLR scenario. However, its sensitivity escalates to a "high sensitivity" level in the 2070 intermediate-high SLR scenario.

Table 7-17. Sensitivity Analysis of the Sanitary Sewer Pump Stations in Sea-Level Rise Scenarios

Island	Asset Type	Nearest Road	Approximate Top of Sanitary Sewer Pump Elev. (ft-NAVD88)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
						2040 IL	2040 IH	2070 IL	2070 IH
TI	Sanitary Sewer Pump Station	Galleon St.	5.43	80° 8' 50.537" W	25° 50' 44.424" N	0.05	0.03	0.06	0.05
	Sanitary Sewer Pump Station	S Treasure Dr. & Buccaneer Ave.	2.05	80° 9' 7.160" W	25° 50' 40.462" N	1.64	1.65	1.73	2.87
	Sanitary Sewer Pump Station	Hispanola Ave. & N Treasure Dr.	2.88	80° 9' 2.238" W	25° 50' 50.540" N	1.09	1.13	1.16	1.94
HI	Sanitary Sewer Pump Station	East Dr.	4.53	80° 9' 25.370" W	25° 50' 56.118" N	0.04	0.18	0.42	0.81

Legend High Medium Low

7.4.2.1 Storm Surge Modeling

In order to assess the sensitivity of the Sanitary Sewer Pump Stations under storm surge conditions, the peak flood depth generated by Category 1 and Category 5 storm events with no rainfall was examined, comparing it to the height of the structures. The classification system outlined in **Table 7-2** was employed to establish the sensitivity levels.

The findings of the sensitivity assessment for these assets are provided in **Table 7-18**. The results indicate that all four (4) Sanitary Sewer Pump Stations within the Village consistently demonstrate a "highly sensitive" level to both Category 1 and Category 5 storm surge events.

Table 7-18. Sensitivity Analysis of the Sanitary Sewer Pump Stations in Category 1 and Category 5 Storm Surge Conditions

Hurricane Type	Island	Nearest Road	Approximate Top of Sanitary Sewer Pump Elev. (ft-NAVD88)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)			
						2040 IL	2040 IH	2070 IL	2070 IH
Category 1	TI	Galleon St.	5.43	80° 8' 50.537" W	25° 50' 44.424" N	3.61	3.99	4.13	6.01
		S Treasure Dr. & Buccaneer Ave.	2.05	80° 9' 7.160" W	25° 50' 40.462" N	7.31	7.71	7.86	9.63
		Hispanola Ave. & N Treasure Dr.	2.88	80° 9' 2.238" W	25° 50' 50.540" N	5.94	6.41	6.56	8.38
	HI	East Dr.	4.53	80° 9' 25.370" W	25° 50' 56.118" N	5.24	5.02	6.06	7.61
Category 5	TI	Galleon St.	5.43	80° 8' 50.537" W	25° 50' 44.424" N	6.68	7.05	7.19	9.04
		S Treasure Dr. & Buccaneer Ave.	2.05	80° 9' 7.160" W	25° 50' 40.462" N	10.34	10.73	10.88	12.64
		Hispanola Ave. & N Treasure Dr.	2.88	80° 9' 2.238" W	25° 50' 50.540" N	9.08	9.53	9.67	11.44
	HI	East Dr.	4.53	80° 9' 25.370" W	25° 50' 56.118" N	8.25	8.02	9.06	10.61

Legend High Medium Low

7.5 Natural, Cultural, and Historical Resources

Two (2) parks were recognized within the Village as the Natural, Cultural, and Historical Resources assets. These two (2) parks are called “Dog Park” and “Dr. Paul Vogel Community Park,” both located in HI.

7.5.1 Park

Sensitivity analysis was conducted for the parks under sea-level rise scenarios and storm surge conditions. The results are provided in the following subsections.

7.5.1.1 Sea-Level Rise Scenarios

To assess the sensitivity level of the parks under a sea-level rise scenario, the maximum depth of flood for the 10-YR, 24-HR design storm event was used to obtain the flooding area of the park where the depth of flood exceeds 0.5 ft., and the sensitivity assessment level was defined based on **Table 7-1**.

The results of sensitivity analysis for these parks under sea-level rise scenarios are provided in **Table 7-19** and indicate that both parks are flooded greater than 0.5 ft. and so classified as "highly sensitive" in all sea-level rise scenarios.

Table 7-19. Sensitivity Analysis of Parks in the Village under Sea-level Rise Scenarios

Scenario	Park	Total Area (Acres)	% Flooded Area, Flood Depth > 0.5 (ft.)	Sensitivity Assessment
2040 IL	Dog Park	0.79	100	High
	Dr. Paul Vogel Community Park	0.49	100	High
2040 IH	Dog Park	0.79	100	High
	Dr. Paul Vogel Community Park	0.49	100	High
2070 IL	Dog Park	0.79	100	High
	Dr. Paul Vogel Community Park	0.49	100	High
2070 IH	Dog Park	0.79	100	High
	Dr. Paul Vogel Community Park	0.49	100	High

Legend	High	Medium	Low

7.5.1.1 Storm Surge Modeling

To assess the sensitivity level of the parks under storm surge conditions, the maximum depth of flood for the No Rainfall, 72-HR design storm event of Category 1 and Category 5 storm surge events was used to obtain the flooding area of the park where depth of flood exceeds 0.5 ft. The sensitivity assessment level was defined based on **Table 7-2**.

The results of this sensitivity analysis are provided in **Table 7-20** and indicate that both parks are flooded greater than 0.5 ft. and so classified as "high sensitivity" in both Category 1 and Category 5 storm surge conditions.

Table 7-20. Sensitivity Analysis of Parks in the Village under Storm Surge Conditions

Hurricane Type	Scenario	Park	Total Area (Acre)	% Flooded Area, Flood Depth > 0.5 (ft.)	Sensitivity Assessment
Category 1	2040 IL	Dog Park	0.79	100	High
		Dr. Paul Vogel Community Park	0.49	100	High
	2040 IH	Dog Park	0.79	100	High
		Dr. Paul Vogel Community Park	0.49	100	High
	2070 IL	Dog Park	0.79	100	High
		Dr. Paul Vogel Community Park	0.49	100	High
	2070 IH	Dog Park	0.79	100	High
		Dr. Paul Vogel Community Park	0.49	100	High
Category 5	2040 IL	Dog Park	0.79	100	High
		Dr. Paul Vogel Community Park	0.49	100	High
	2040 IH	Dog Park	0.79	100	High
		Dr. Paul Vogel Community Park	0.49	100	High
	2070 IL	Dog Park	0.79	100	High
		Dr. Paul Vogel Community Park	0.49	100	High
	2070 IH	Dog Park	0.79	100	High
		Dr. Paul Vogel Community Park	0.49	100	High

Legend	High	Medium	Low

8.0 Identification and Ranking of Focus Areas

8.1 Background

As part of the FDEP Resilient Florida (RF) Grant Program, it is necessary to perform an analysis identifying Focus Areas and rank them to establish the most vulnerable locations of flood occurrences that affect the Village's critical assets. The purpose of identifying and ranking Focus Areas analysis is to select locations where the adaptation strategies component will direct its attention. With this analysis, the planning team can involve the community in evaluating the Focus Areas to address the results of the exposure and sensitivity analyses. The Village and local governments can also make informed decisions on adaptation strategies with greater attention given to the most vulnerable Focus Areas.

Identifying and ranking Focus Areas requires a systematic and mathematical approach that involves applying data from the exposure analysis to the inventory of critical assets. This requires understanding the importance of assets and how flooding may impact them. Considering this, a ranking approach was developed in cooperation with the Village using the sensitivity analysis results to rank the Focus Areas. The approach yields the Focus Areas with the highest flooding problems based on a quantifiable and mathematical basis.

8.2 Focus Area

To conduct a comprehensive Focus Area and ranking analysis, the Village was divided into three (3) Focus Areas based on the islands as shown in **Figure 8-1**. By partitioning the Village into distinct Focus Areas and subjecting each area to individual analysis, the Village can prioritize the most vulnerable Focus Areas and craft more precise and efficient adaptation strategies, ultimately aiding in the mitigation of flood-related impacts and protecting its critical assets.

The delineated Village's Focus Areas include:

- Treasure Island
- Harbor Island
- North Bay Island

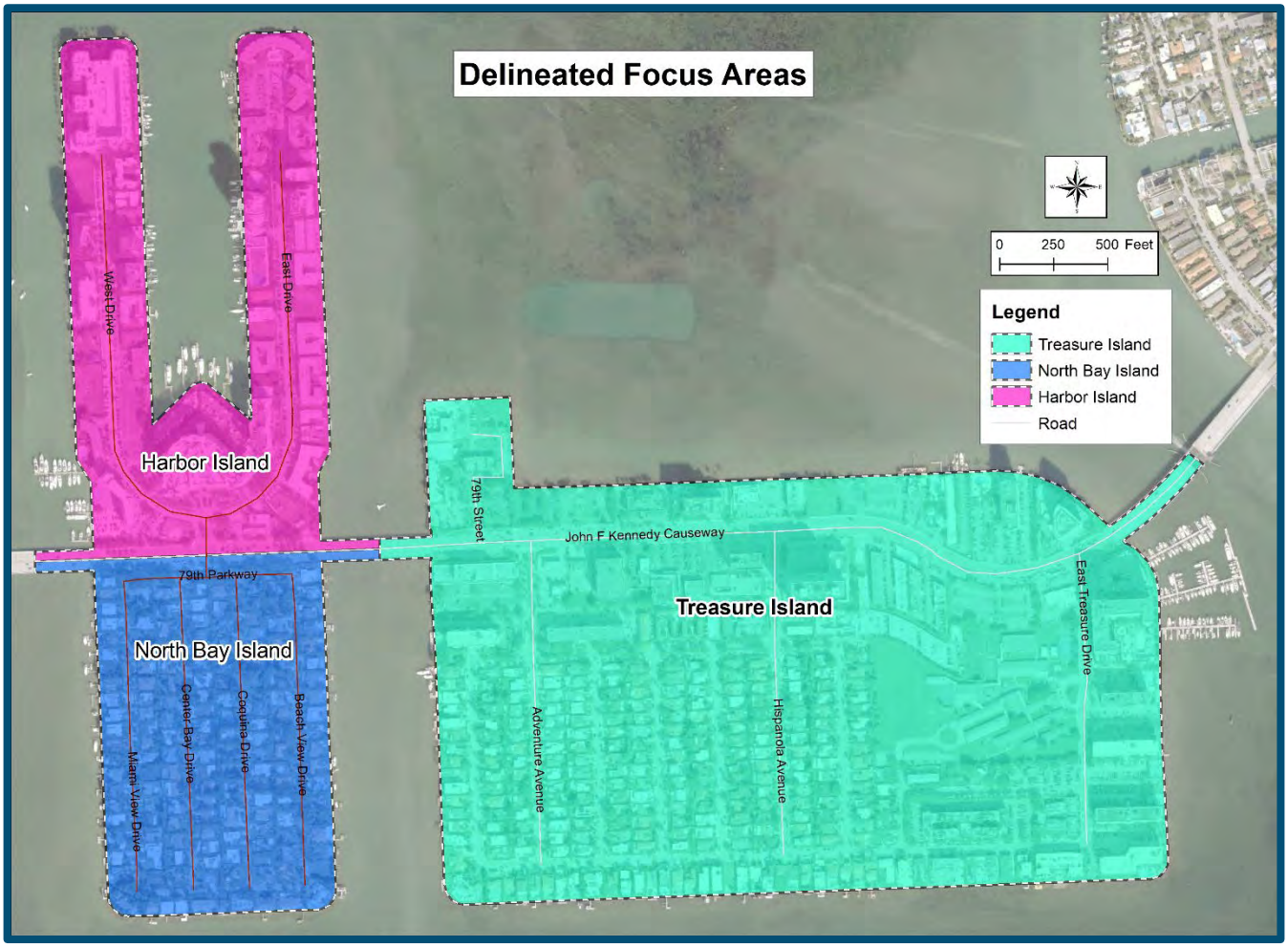


Figure 8-1. Delineated Focus Areas in the Village

8.3 Ranking and Level of Severity Analysis

The delineated Focus Areas were ranked from the most to least vulnerable with respect to flood occurrences impacting the Village's critical assets in the four (4) SLR projections, including 2017 NOAA intermediate-low and intermediate-high sea-level rise projections, in the years 2040 and 2070. In addition, the ranking process was extended to encompass storm surge conditions, including Category 1 and Category 5 storm surge events with compound flooding due to rainfall and without rainfall. The ranking procedure was a modified approach of the 2020 SWMP subbasin ranking procedures.

The ranking procedure is based on establishing a Flood Protection Severity Score (FPSS) for each delineated Focus Area. The higher the FPSS, the greater the vulnerability of the Focus Area. The FPSS in this analysis is determined by assessing a score derived from the number of assets (NA), considering their respective flooding severity levels as determined in the chapter seven (7), *Sensitivity Analysis*, to ensure compliance with the

relevant flood protection level of service (FPLOS). Additionally, it incorporates a weighting factor (WF) that varies according to asset types.

The flooding severity is reflected as an exceedance factor (E) for different sensitivity levels (low, medium, and high), and the WFs are assigned based on the relative importance of the asset types. The FPLOS for each asset, WFs, and E were established in coordination with Village staff.

The FPSS for each Focus Area is calculated using the following equation:

$$FPSS = \sum_{i=1}^{n}(NA_i \times E_i) \times WF_i$$

Where, NA_i is the number of assets in each asset type, E_i is the assigned exceedance value based on the asset sensitivity level (low, medium, and high) using **Table 8-1** and WF_i is the weighting factor based on **Table 8-2**.

Table 8-1. Assigned Exceedance Values to Different Sensitivity Analysis Levels

Sensitivity Analysis	Exceedance Value (E)
Low	1
Medium	2
High	3

Table 8-2. Assigned Weighting Factors to Asset Types

Main Category	Asset Type	Weighted Factor (WF)
Critical Community Emergency Facilities	City Hall	10
	Future Community Center	8
	Health Care Facility	10
	School Building	7
	Future City Hall	10
	School Open Area	5
Transportation Assets and Evacuation Routes	Evacuation Route (Causeway)	5
	Primary Roads	3
	Bus Route	1
	Bus Stops	1
Critical Infrastructure	Outfalls	7
	Sanitary Sewer Pump Stations	7
Natural, Cultural, and Historical Resources	Park	3

The scores for the assets found in each Focus Area are added to determine the FPSS for that Focus Area. The computed FPSS for the Focus Areas is then ranked from highest to lowest. Focus Areas with equivalent FPSS are given the same ranking value. A higher FPSS indicates a higher vulnerability of the assets to flood occurrences in that Focus Area, which must be considered first for flood protection activities.

We first determined the number of assets in each asset type within each Focus Area to conduct our analysis. For this purpose, we converted all Village assets into point data. We located the point data for structures and bus stops at the exact location of those assets. For area assets such as the school open area and parks, we converted them into point data located at the center of each asset. Roadway infrastructure segments were also converted into point data at the midpoint of each segment. We then assigned the exceedance factors (1 to 3) to the assets based on their sensitivity levels in chapter seven (7), *Sensitivity Analysis*, in each SLR scenario and storm surge conditions.

It is worth noting that the evacuation route, bus route, and bus stops at the border of NBI and HI were distributed between the two islands. Additionally, a thorough examination revealed that two outfalls, namely Out529 and Out545, situated in HI, capture stormwater from HI and NBI and the evacuation and bus routes at their border. As a result, these two outfalls were considered to be shared between the two islands in the analysis. The Focus Areas involve different numbers of critical assets, as indicated in **Table 8-3**. Among the islands, Treasure Island (TI) has the largest number of assets, followed by Harbor Island (HI) and North Bay Island (NBI).

Table 8-3. Summary of Number of Assets within each Delineated Focus Areas in the Village

Focus Area Name	Total Number of Assets
TI	37
HI	22
NBI	19

A summary of the assets, assigned exceedance values, calculated scores, and FPSS for the Focus Areas are provided in **Appendix AM to AO**.

8.4 Identification and Ranking of Focus Area Results

8.4.1 Sea-Level Rise Scenarios

The calculated FPSS and their ranking order have provided valuable insights into the vulnerability of Focus Areas and their included critical assets with respect to flood occurrences in the Sea-Level Rise scenarios. The findings highlight the need for Focus Areas and prioritization of flood control measures.

The results reveal that the TI Focus Area is consistently the first top vulnerable Focus Area across all SLR scenarios, as indicated by its designation in red in **Table 8-4** and **Figure 8-2**. This Focus Area requires specific attention and must be given priority for flood control measures to prevent or mitigate the adverse effects of flooding on its critical assets.

Conversely, the HI and NBI Focus Areas are consistently ranked as the second and third top ranking in all SLR scenarios, respectively, represented by yellow and green colors in the ranking level.

While there is an overall increase in FPSS across all Focus Areas from the 2040 to the 2070 scenarios, it is important to note that the difference in FPSS between HI and NBI is negligible. Therefore, despite NBI being ranked as a lower ranking with respect to HI, it is incorrect to assume that the critical assets in NBI are immune to flooding or less likely to suffer severe flooding damage compared to HI. Consequently, it is imperative to implement preventive measures within the NBI and HI Focus Areas to ensure the safety of residents and critical assets. The calculations of FPSS and the ranking results are provided in **Appendix AM**.

Table 8-4. Calculated FPSS and Ranking Focus Areas from the Highest to the Lowest in the SLR Scenarios

Scenario	Focus Area Name	FPSS	Rank
2040 Intermediate-low	TI	474.0	1
	HI	287.0	2
	NBI	285.0	3
2040 Intermediate-high	TI	481.0	1
	HI	287.0	2
	NBI	285.0	3
2070 Intermediate-low	TI	488.0	1
	HI	287.0	2
	NBI	285.0	3
2070 Intermediate-high	TI	543.0	1
	HI	300.0	2
	NBI	288.0	3

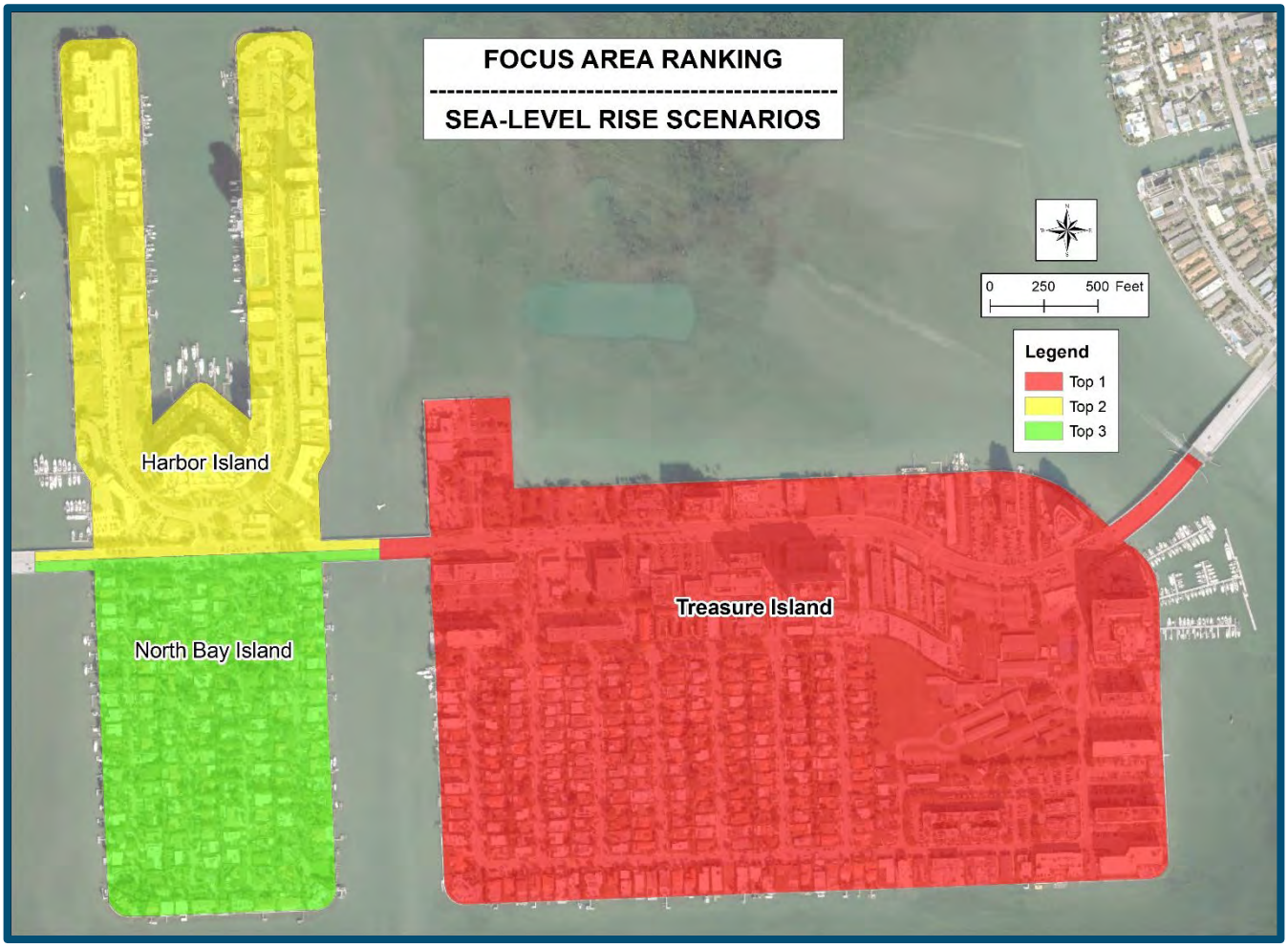


Figure 8-2. Ranking the Results of FPSS for the Focus Area in Sea-Level Rise Scenarios

8.4.2 Storm Surge Modeling

8.4.2.1 Category 1:

The FPSS analysis and their rankings for Category 1 storm surge conditions have shed light on the vulnerability of various Focus Areas concerning floods affecting the critical assets in the Village.

The results indicated that the TI Focus Area is the first top vulnerable to flood impacts on the critical assets, indicated by red color (see **Table 8-5** and **Figure 8-3**). This top-ranking Focus Area signifies a higher likelihood of severe flood occurrences affecting the Village's assets. As a result, prior flood control actions are required in this Focus Area.

Similarly, the HI Focus Area, marked in yellow, was revealed as the second top Focus Area of vulnerability for the critical assets. The NBI Focus Area is ranked as the third most vulnerable Focus Area for floods affecting the Village's critical assets. However, it is necessary to apply preventive measures in the NBI Focus Area to ensure

the safety of critical assets in this Focus Area. The calculations of FPSS and the ranking results are provided in **Appendix AN**.

Table 8-5. Calculated FPSS and Ranking Focus Areas from the Highest to the Lowest in Category 1 Storm Surge Conditions

Scenario	Focus Area Name	FPSS	Rank
2040 Intermediate-low	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3
2040 Intermediate-high	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3
2070 Intermediate-low	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3
2070 Intermediate-high	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3

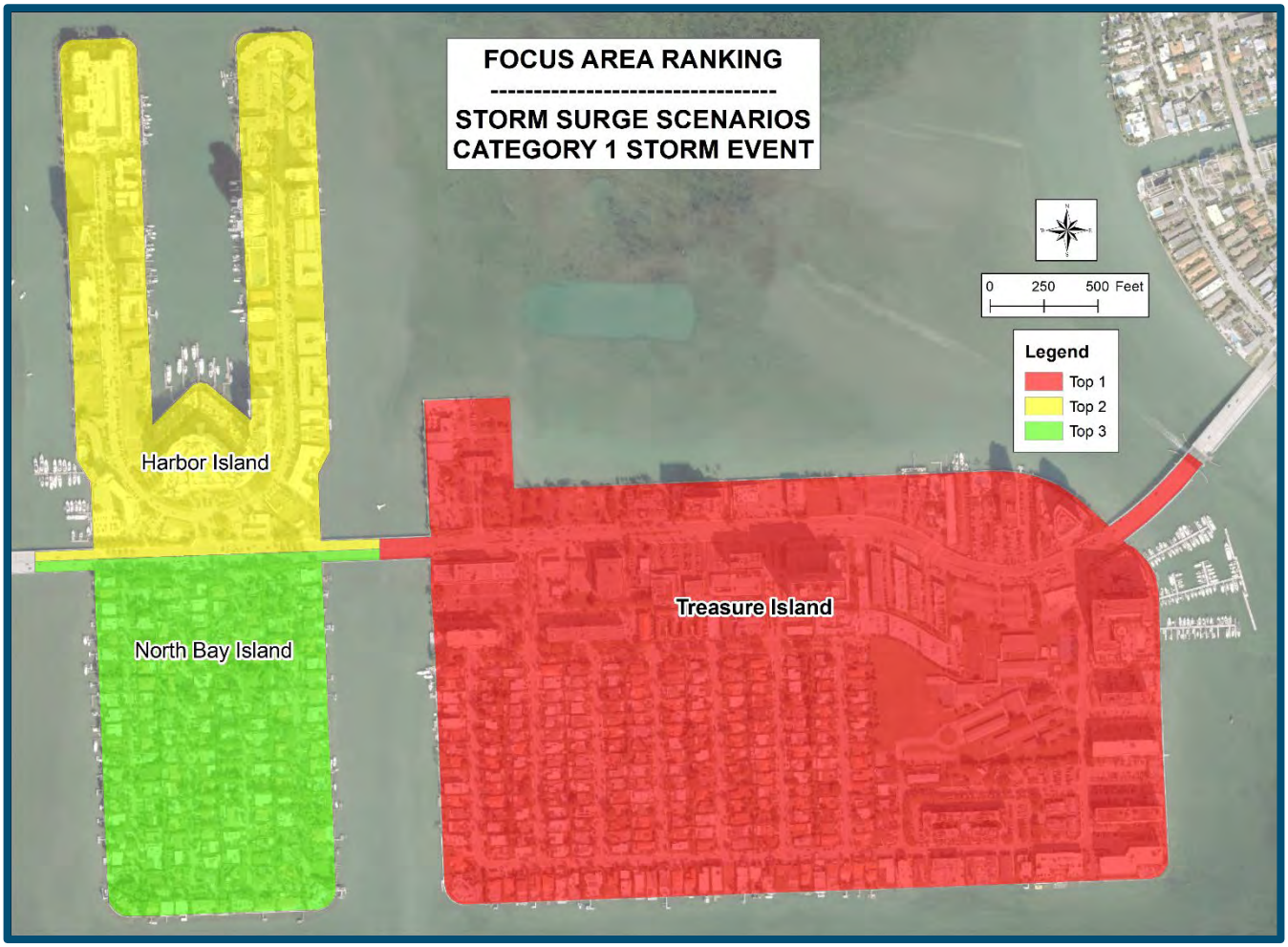


Figure 8-3. Ranking the Results of FPSS for the Focus Area in Category 1 Storm Surge Conditions

8.4.2.2 Category 5:

The calculated FPSS and their corresponding ranking order for Category 5 storm surge conditions reveal the varying levels of vulnerability across different Focus Areas in the Village. The results highlight the vulnerability of the TI Focus Area, which ranks as the most vulnerable to floods impacting its critical assets, and is represented in a red color scheme (refer to **Table 8-6** and **Figure 8-4**). This top-ranking Focus Area signifies the greater potential of flood events impacting the Village's critical assets; thus, prior actions are needed for flood control on this island.

Additionally, the HI Focus Area is ranked as the second most vulnerable Focus Area, impacting its critical assets, depicted in yellow color. Lastly, the NBI Focus Area is identified as the third most vulnerable Focus Area for floods affecting the Village's critical assets, displayed in a green color scheme. Nonetheless, the implementation of preventive measures within the NBI Focus Area is essential to protect the critical assets in this Focus Area. The calculations of FPSS and the ranking results are provided in **Appendix AO**.

Table 8-6. Calculated FPSS and Ranking Focus Areas from the Highest to the Lowest in Category 5 Storm Surge Conditions

Scenario	Focus Area Name	FPSS	Rank
2040 Intermediate-low	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3
2040 Intermediate-high	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3
2070 Intermediate-low	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3
2070 Intermediate-high	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3

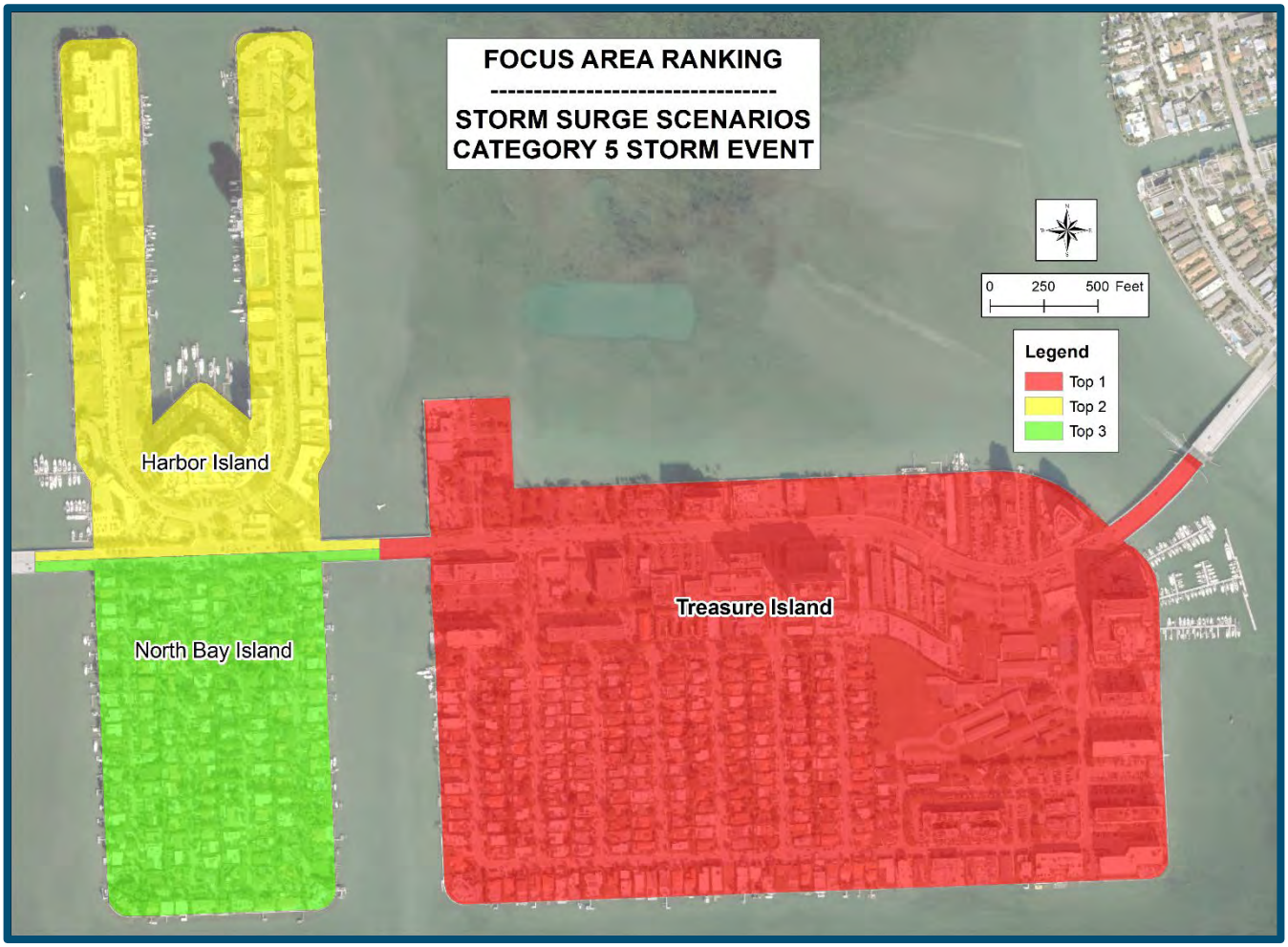


Figure 8-4. Ranking the Results of FPSS for the Focus Area in Category 5 Storm Surge Conditions

8.5 Conclusions

The calculated mean FPSS and ranking order for the Focus Areas across all sea-level rise scenarios and storm surge conditions are summarized in **Table 8-7**. Based on these results, it has been revealed that the TI Focus Area is the first top vulnerable Focus Area to floods impacting the critical assets and infrastructures in all scenarios. Consequently, this Focus Area requires immediate action regarding stormwater management and flood control to protect the critical assets.

Similarly, the HI and NBI Focus Areas rank as the second and third most vulnerable areas. However, it is important to note that while NBI is identified as the least vulnerable among the Focus Areas, the difference in mean FPSS values between NBI and HI in sea-level rise scenarios is not substantial. This highlights the importance of considering the protection of critical assets within the NBI and HI Focus Area.

In summary, the vulnerability ranking of Focus Areas concerning flooding can provide local authorities with valuable guidance in planning, prioritizing, and implementing appropriate flood control measures. These measures are crucial for mitigating the impact of flood events on critical infrastructure and ensuring public safety.

Table 8-7. Mean FPSS of Projected Scenarios and Ranking of Focus Areas from the Highest to the Lowest in the Sea-Level Rise Scenarios and Storm Surge Conditions

Scenarios	Focus Area Name	FPSS	Rank
Mean of All Sea-Level Rise Scenarios	TI	496.5	1
	HI	290.3	2
	NBI	285.8	3
Mean of All Storm Surge Category 1	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3
Mean of All Storm Surge Category 5	TI	600.0	1
	HI	381.0	2
	NBI	297.0	3

9.0 Adaptation Plan

9.1 Background

As the impacts of rising sea levels become increasingly evident, coastal communities, non-coastal communities, infrastructures, and ecosystems face new challenges. The vulnerability of these areas increases in locations with high population density where daily activities can be interrupted by the more frequent flooding events. To have a proactive approach to this problem, adaptation plans for rising sea levels are a key element in the process of reducing the probability of future risks. They promote the implementation of strategic measures such as constructing robust infrastructure, overseeing coastal ecosystems, and establishing early warning systems. These actions require community involvement and awareness throughout the whole process to ensure every component of the Village is represented. In essence, adaptation plans play a pivotal role in enhancing the resilience of coastal regions and protecting present and future generations.

9.2 Elements of Adaptation Planning

The South Florida Regional Planning Council divides adaptation planning into four strategies: protection, accommodation, managed retreat or relocation, and avoidance (Florida Adaptation Planning Guidebook, 2018). The following subsections describe each strategy and potential options for the Village.

9.2.1 Protection Strategies

Protection strategies are directed toward specific areas of a community that are location-bound and cannot be relocated. These strategies consist of structural defenses that directly safeguard vulnerable critical assets, enabling them to remain mostly unchanged. The Stormwater Master Plan (SWMP), adopted by the Village Commission in 2022, recommended a range of stormwater management projects to mitigate the projected future flooding conditions based on the 2060 planning horizon sea level rise projection, following the NOAA 2019 high curve projection. In contrast, for this Vulnerability Assessment, the highest sea level rise projections are associated with the 2070 planning horizon sea level rise projection, following the NOAA 2017 intermediate high curve. See **Table 9-1** for the sea level rise projection comparison for these two planning horizons.

Table 9-1. Sea level rise projection for the 2060 High and 2070 Intermediate High planning scenarios

Scenario	Sea level Rise Projections (ft)
2070 IH	3.35
2060 H	3.38

Upon comparing the outcomes of both modeling scenarios, the findings indicate a similar level of flooding with the existing drainage infrastructure, with the 2060 high curve value slightly higher than the 2070 intermediate high curve.

The SWMP proposed a capital improvement plan (CIP) with stormwater management projects to provide flood protection and improve water quality for each Village island to mitigate the 2060 planning horizon sea level rise projections, following the NOAA 2019 high curve projections. Therefore, these projects will also mitigate the 2070 planning horizon sea level rise projections, following the NOAA 2017 intermediate high curve as required by this vulnerability assessment.

The following sections describe in detail the adaptation strategies (stormwater improvement projects) for each island outlined in the Village 2022 SWMP.

9.2.1.1 North Bay Island

To address existing and anticipated future flooding issues on NBI, the implementation of a new pressurized drainage system is imperative. This system must possess adequate capacity to effectively capture, convey, and discharge stormwater runoff in a timely manner. The determination was made that a minimum of two (2) pump stations would be required, each with a capacity of approximately 24,200 gallons per minute (GPM), equivalent to 54 cubic feet per second (CFS). A typical design detail for such a pump station system can be found in **Appendix AP**.

In addition to the new pump station, the existing drainage network within NBI must be replaced with an entirely new stormwater conveyance system. This is necessary because the current pipes are significantly undersized and incapable of accommodating the expected future runoff volume. Furthermore, the condition of the existing pipes is uncertain, with the presumption that connection joints may have dislocated over time and that some pipes may have developed cracks, allowing groundwater to infiltrate the system.

The proposed conveyance system will feature new grate inlets situated along the EOP to accommodate future roadway elevation. These inlets will capture runoff from the right-of-way (R/W) and private property, conveying drainage via new storm sewer laterals to the main trunk line. The new laterals will have a minimum diameter of 18 inches, while the main trunk line will vary in size from 24 to 72 inches. This interconnected conveyance system will provide flexibility, allowing drainage to be routed to either of the pump station systems, thereby ensuring system redundancy in the event of pump failure.

Utilizing the latest available LiDAR information, it is observed that most roadways within NBI are situated between 1.5 to 3.0 feet, NAVD88. Consequently, a significant portion of the existing roadway is projected to be permanently flooded in the future. To prevent pavement failure and mitigate future flooding, the SWMP

proposed to raise the roadways throughout NBI by 2.0 to 2.6 feet. It is essential to highlight that a more detailed analysis will be necessary during the design phase to ensure compatibility and harmonization, particularly given the low elevation along private property lines and driveways. The actual amount of feasible roadway raising will need to be determined during the detailed design phase.

The final aspect considered in the proposed improvements for NBI is the elevation of seawalls. Previous documentation revealed multiple segments of private seawalls within NBI situated below future king tide elevations. The proposed improvements incorporate higher seawalls, and it is crucial to note that the effectiveness of these proposed measures is contingent upon the implementation of higher seawalls throughout the entire Village. A complete layout of the proposed improvement for North Bay Island is provided in **Appendix AQ**. The flood maps of NBI for the 2060 planning horizon with project are included in **Appendix AR**. The flood maps of NBI for the 2070 planning horizon, with the existing drainage infrastructure, are provided in **Appendix AS**.

The improvement in mean flood depths for the transportation assets is provided in **Table 9-2** to **Table 9-4**.

Table 9-2. Sensitivity Comparison of the Primary Roads in NBI for 2070 IH and CIP 2060 H

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2070 IH	Coquina Dr.	0.275	0.04	0.04	99.92	1.00
	Beach View Dr.	0.273	0.04	0.04	99.93	1.00
	Center Bay Dr.	0.274	0.04	0.04	99.91	1.00
	Miami View Dr.	0.272	0.05	0.05	99.90	1.00
	79th Parkway.	0.148	1.19	1.19	97.61	0.94
CIP 2060 H	Coquina Dr.	0.275	97.57	1.76	0.66	0.13
	Beach View Dr.	0.273	95.49	4.48	0.04	0.13
	Center Bay Dr.	0.274	92.25	7.16	0.60	0.14
	Miami View Dr.	0.272	91.21	6.52	2.28	0.15
	79th Parkway.	0.148	93.90	3.25	2.86	0.13

Legend High Medium Low

Table 9-3. Sensitivity Comparison of the Bus Routes in NBI for 2070 IH and CIP 2060 H

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2070 IH	Bus Route	0.300	89.75	8.76	1.50	0.15
CIP 2060 H	Bus Route	0.200	85.60	10.95	3.46	0.17

Legend High Medium Low

Table 9-4. Sensitivity Comparison of the Evacuation Routes in NBI for 2070 IH and CIP 2060 H

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2070 IH	John F Kennedy CSWY	0.300	88.99	9.46	1.56	0.15
CIP 2060 H	John F Kennedy CSWY	0.200	82.99	13.17	3.69	0.18

Legend High Medium Low

9.2.1.2 Treasure Island

Similar to NBI, TI is expected to experience significant flooding in future conditions (i.e., 2060) if no stormwater improvements are undertaken. To address existing and projected flooding on TI, a new pressurized drainage system with adequate capacity to capture, convey, and discharge stormwater runoff in a timely manner is essential. The analysis indicates the necessity for at least three (3) pump stations. Two (2) of these pump stations would each have a capacity of approximately 40,400 gallons per minute (GPM), equivalent to about 90 cubic feet per second (CFS). The third pump would have a capacity of around 27,000 GPM, equivalent to about 60 CFS. A typical design detail for such a pump station system can be found in **Appendix AT.**

In addition to the new pump station, the existing drainage network within TI must be replaced with an entirely new stormwater conveyance system. This is necessary due to the severe sizing of the existing pipes, rendering them incapable of accommodating the anticipated future runoff. Additionally, the condition of the existing pipes is uncertain. The proposed conveyance system will include new grate inlets to accommodate future roadway elevation. These inlets will capture runoff from the right-of-way (R/W) and private property, conveying drainage via new storm sewer laterals to the main trunk line. New laterals will have a minimum diameter of 18 inches, while the main trunk line will vary in size between 24 to 72 inches. The proposed conveyance system will be fully interconnected, allowing drainage to be routed to either of the pump station systems, providing system redundancy in case any of the six (6) pumps fail to operate.

Based on the latest LiDAR information, it is observed that most roadways within TI are situated between 1.0 to 3.5 feet, NAVD88. Consequently, a significant portion of the existing roadway is projected to be permanently

flooded in the future. To prevent pavement failure and mitigate future flooding, the proposal is to raise the roadways throughout TI by approximately 2.0 feet.

The final consideration in the proposed improvements for TI is the elevation of seawalls. Higher seawalls have been integrated and accounted for as part of the proposed enhancements. It is important to note that the effectiveness of the proposed measures is contingent upon the implementation of higher seawalls throughout the entire Village. A complete layout of the proposed improvements for TI is provided in **Appendix AT**. The flood maps of TI for the 2060 planning horizon with project for are included in **Appendix AU**. The flood maps of TI for the 2070 planning horizon, with the existing drainage infrastructure, are provided in **Appendix AV**.

The improvement in mean flood depths for the transportation assets is provided in **Table 9-5** to **Table 9-7**.

Table 9-5. Sensitivity Comparison of the Primary Roads in TI for 2070 IH and CIP 2060 H

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2070 IH	East Treasure Dr.	0.255	10.22	0.78	88.99	0.90
	Hispanola Ave.	0.284	0.03	3.43	96.53	0.94
	Adventure Ave.	0.283	0.02	0.02	99.95	1.00
	79th St.	0.145	47.27	4.02	48.70	0.50
CIP 2060 H	East Treasure Dr.	0.255	0.19	99.02	0.78	0.13
	Hispanola Ave.	0.284	8.04	88.13	3.84	0.16
	Adventure Ave.	0.283	2.90	94.06	3.03	0.15
	79th St.	0.145	12.77	50.80	36.42	0.41

Legend High Medium Low

Table 9-6. Sensitivity Comparison of the Bus Routes in TI for 2070 IH and CIP 2060 H

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2070 IH	Bus Route	0.759	49.29	24.20	26.52	0.34
CIP 2060 H	Bus Route	0.618	42.42	30.47	27.10	0.37

Legend High Medium Low

Table 9-7. Sensitivity Comparison of the Evacuation Routes in TI for 2070 IH and CIP 2060 H

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2070 IH	John F Kennedy CSWY	0.759	45.04	21.39	33.58	0.38
CIP 2060 H	John F Kennedy CSWY	0.618	20.81	18.66	59.08	0.57

Legend High Medium Low

Variations in the sensitivity assessment of the evacuation routes stem from the bridge length factored into each modeling scenario. In the 2070 IH scenario the bridge coverage was expanded on the eastern side of the island, which was not the case in the CIP 2060 H scenario. However, upon evaluating the results of the 100-year, 72-hour storm event for both scenarios, similar flood depths are observed.

The improvements in sensitivity for critical Village Assets are provided in **Table 9-8** to **Table 9-10**.

Table 9-8. Sensitivity Comparison of the Critical Community Emergency Facilities in TI for 2070 IH and CIP 2060 H

Village Buildings		Estimated FFE (ft-NAVD88)		Flood Depth (ft.)		Sensitivity Assessment, (Flood Stage – FFE) (ft.)	
Asset Type	Address	2070 IH	CIP 2060 H	2070 IH	CIP 2060 H	2070 IH	CIP 2060 H
City Hall	1666 Kennedy CSWY.	3.8	3.8	4.82	4.61	1.02	0.81
Future Community Center	1841 Galleon St.	9.0	9.0	5.75	5.72	-3.25	-3.28
Health Care Facility	1700 John F Kennedy CSWY.	4.2	4.2	4.83	5.11	0.63	0.91
School Building 1	1440 John F Kennedy CSWY.	5.2	5.2	5.21	5.11	0.01	-0.09
School Building 2	7800 Hispaniola Ave.	3.1	3.1	4.83	4.52	1.73	1.42
School Building 3	7698 E Treasure Dr.	3.0	3.0	5.12	5.09	2.12	2.09
School Building 4	7540 E Treasure Dr.	3.9	3.9	5.46	5.40	1.56	1.50

Legend High Medium Low

Table 9-9. Sensitivity Comparison of the School Open Areas in TI for 2070 IH and CIP 2060 H

Scenario	School	Total Area (Acre)	% Flooded Area, Flood Depth > 0.5 (ft.)	Sensitivity Assessment
2070 IH	Treasure Island Elementary School	7.96	42.02	Medium
	Grow By the Bay Learning Academy	1.92	85.03	High
	KLA Schools of North Bay Village	0.5	100.00	High
CIP 2060 H	Treasure Island Elementary School	7.96	36.83	Medium
	Grow By the Bay Learning Academy	1.92	45.84	Medium
	KLA Schools of North Bay Village	0.5	95.09	High

Legend High Medium Low

Table 9-10. Sensitivity Comparison of the Sanitary Sewer Pump Stations in TI for 2070 IH and CIP 2060 H

Asset Type	Nearest Road	Approximate Top of Sanitary Sewer Pump Elev. (ft. NAVD88)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)	
					2070 IH	CIP 2060 H
Sanitary Sewer Pump Station	Galleon St.	5.43	80° 8' 50.537" W	25° 50' 44.424" N	0.05	0.03
Sanitary Sewer Pump Station	S Treasure Dr. & Buccaneer Ave.	2.05	80° 9' 7.160" W	25° 50' 40.462" N	2.87	0.03
Sanitary Sewer Pump Station	Hispanola Ave. & N Treasure Dr.	2.88	80° 9' 2.238" W	25° 50' 50.540" N	1.94	0.03

Legend High Medium Low

9.2.1.3 Harbor Island

In contrast to NBI and TI, the future flooding conditions in HI are less severe. One contributing factor is the elevated positioning of HI, surpassing both NBI and TI. On average, roadways in HI are situated approximately 2 to 3.5 feet higher. However, despite this elevation, roadways in HI still fall below the anticipated future king tide elevations. Consequently, the inundation of HI will still be impacted by the projected rise in groundwater and sea level.

To address existing and future flooding concerns in HI, a new pressurized drainage system is necessary. This system should have sufficient capacity to capture, convey, and discharge stormwater runoff promptly. It has been determined that a single new pump station with a discharge capacity of about 18,000 gallons per minute (GPM) or 40 cubic feet per second (CFS) will be required. A typical design detail for such a pump station system can be found in **Appendix AP.**

In addition to the new pump station, the existing drainage network within HI must be replaced with a completely new stormwater conveyance system. This is essential because the current pipes are significantly undersized and incapable of accommodating the projected future runoff volume. Moreover, the condition of the existing pipes is uncertain. The proposed conveyance system will include new grate inlets positioned along the centerline of the roadways. These inlets will capture runoff from the right-of-way (R/W) and private property, conveying drainage via new storm sewer laterals to the main trunk line. The new laterals will have a minimum diameter of 18 inches, while the main trunk line will vary in size between 24 to 60 inches. The proposed conveyance system will be fully interconnected, allowing drainage to be routed to the new pump station system.

The final aspect considered in the proposed improvements for HI is the elevation of seawalls. Higher seawalls have been integrated and accounted for as part of the proposed enhancements. It is important to note that the effectiveness of the proposed measures is contingent upon the implementation of higher seawalls throughout the entire Village. A complete layout of the proposed improvements in HI is provided in **Appendix AW**. The flood maps of HI for the 2060 planning horizon with the project are included in **Appendix AX**. The flood maps of HI for the 2070 planning horizon, with the existing drainage infrastructure, are provided in **Appendix AY**.

The improvements in flood sensitivity for the Village's transportation and critical assets are provided in **Table 9-11** to **Table 9-15**.

Table 9-11. Sensitivity Comparison of Primary Roads in HI for 2070 IH and CIP 2060 H

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2070 IH	East Dr.	0.362	23.77	42.22	34.01	0.42
	Harbor Island Dr.	0.033	69.34	8.69	21.98	0.28
	West Dr.	0.366	24.65	23.71	51.64	0.52
	Larry Paskow Way.	0.020	42.62	14.76	42.62	0.45
CIP 2060 H	East Dr.	0.362	90.84	8.56	0.61	0.14
	Harbor Island Dr.	0.033	66.45	15.05	18.51	0.27
	West Dr.	0.366	65.73	33.66	0.61	0.19
	Larry Paskow Way.	0.020	83.62	11.56	4.83	0.19

Legend High Medium Low

Table 9-12. Sensitivity Comparison of the Evacuation Route in HI for 2070 IH and CIP 2060 H

Scenario	Road Name	Total Length (Miles)	% length of Road, Flooded Depth (< 0.25 ft.)	% length of Road, Flooded Depth (0.25 – 0.5 ft.)	% length of Road, Flooded Depth (> 0. 5 ft.)	Sensitivity Assessment, Mean Flood Depth (ft.)
2070 IH	John F Kennedy CSWY	0.300	88.99	9.46	1.56	0.15
CIP 2060 H	John F Kennedy CSWY	0.200	82.99	13.17	3.69	0.18

Legend High Medium Low

Table 9-13. Sensitivity Comparison of the Future City Hall in HI for 2070 IH and CIP 2060 H

Asset Type	Address	Estimated FFE (ft-NAVD88)		Flood Depth (ft.)		Sensitivity Assessment, (Flood Stage – FFE) (ft.)	
		2070 IH	CIP 2060 H	2070 IH	CIP 2060 H	2070 IH	CIP 2060 H
Future City Hall	1335 79 STREET CSWY.	9.0	9.0	5.23	5.33	-3.69	-3.67

Legend High Medium Low

Table 9-14. Sensitivity Comparison of the Sanitary Sewer Pump Station in HI for 2070 IH and CIP 2060 H

Asset Type	Nearest Road	Approximate Top of Sanitary Sewer Pump Elev. (ft. NAVD88)	X Coordinate	Y Coordinate	Sensitivity Assessment, Flood Depth (ft.)	
					2070 IH	CIP 2060 H
Sanitary Sewer Pump Station	East Dr.	4.53	80° 9' 25.370" W	25° 50' 56.118" N	0.81	0.57

Legend High Medium Low

Table 9-15. Sensitivity Comparison of the Parks in HI for 2070 IH and CIP 2060 H

Scenario	Park	Total Area (Acre)	% Flooded Area, Flood Depth > 0.5 (ft.)	Sensitivity Assessment
2070 IH	Dog Park	0.79	100	High
	Dr. Paul Vogel Community Park	0.49	100	High
CIP 2060 H	Dog Park	0.79	7.0	Low
	Dr. Paul Vogel Community Park	0.49	6.7	Low

Legend High Medium Low

9.3 Accommodation Strategies

Accommodation strategies are designed to mitigate potential risks rather than aiming for complete prevention of flooding. They adjust the physical design of susceptible structures to enable them to remain in place with necessary modifications. The following sub-section includes examples of accommodation strategies.

9.3.1 Flood Proofing

For older buildings that were constructed below the latest FEMA flood elevation standards, increasing the finished floor elevations to meet FEMA requirements may not be a feasible option. In such cases, floodproofing techniques can be employed, ensuring compliance with the latest flood codes and regulations enforced by organizations like the NFIP, FEMA, and local authorities. Effective floodproofing methods encompass both wet and dry floodproofing, incorporating passive and active components.

Wet floodproofing, for example, allows floodwater to flow freely through enclosed spaces like crawlspaces or garages, utilizing flood vents. These flood vents serve to alleviate hydrostatic pressure on foundation walls during flood events. They must be designed to permit unimpeded inflow and outflow of water in both directions, ensuring that water levels inside the structure rise and fall at the same rate as floodwaters outside the building. However, it's important to note that wet floodproofing is not practical for areas intended for use as living spaces. **Figure 9-1** shows examples of suitable spaces for wet floodproofing and vents.



Figure 9-1. Examples of Wet Floodproofing using Smart Vent

Conversely, dry floodproofing acts as a barrier against floodwater, preventing its ingress into the building. This approach offers the advantage of extended property accessibility and a quicker recovery period. **Figure 9-2** includes images of the alternatives, which include:

- Door flood barriers
- Door and window flood barriers
- Point of use flood barriers
- Flood logs
- Flood plank system
- Standard perimeter flood barriers
- Collapsible perimeter flood barriers
- Passive flood barriers
- Flood pumps



Figure 9-2. Dry Floodproofing Examples

9.4 Managed Retreat or Relocation Strategies

Managed retreat or relocation strategies involve the conversion of at-risk lands from private to public ownership. This includes voluntary, incentivized, or gradual withdrawal from areas or infrastructure where protection or accommodation measures are not efficient or effective.

9.5 Avoidance Strategies

Avoidance strategies entail the identification of prospects for future conservation or low-density development zones within the planning documents of local governments. The goal is to direct new development away from hazard-prone areas, achievable through the implementation of policies and incentives. The following sub-sections include examples of avoidance strategies.

9.5.1 Land Use Reclassification

Land use reclassification is an urban planning approach to address future vulnerability to shifting climate patterns. It consists of the revision of building codes, zoning ordinances, and land development policies. The goal is to make sure that the design and location of future infrastructures respond to the current vulnerability projections, thus promoting resiliency. For example, areas that are expected to flood in the future could be

reclassified to limit development or to make sure any new construction will include the necessary components for enhanced protection. This alternative can provide an equilibrium between urban expansion and the need to safeguard against future natural threats.

9.5.2 Policy Decisions Based on the 2060 High SLR Scenario

To address current and future impacts caused by flooding events, the 2060 High Sea Level Rise scenario can be incorporated into the Village's Code of Ordinances to specify the required elevation of the critical infrastructure. As shown in previous sections, the 2060 High provides a higher sea level rise projection than the 2070 Intermediate High scenario. Since each asset class has its required level of service, the 2060 High scenario, combined with the island in which it is located, can be used as a guideline to determine the elevation that would protect it against flooding. **Table 9-16** shows the maximum flood depth elevation for storm events in the 2060 High sea level rise scenario on each island.

Table 9-16. Maximum Flood Depth Elevation for each island in the 2060 High SLR scenario

Focus Area	5yr Max Flood Depth Elev. (ft) 2060 High	10yr Max Flood Depth Elev. (ft) 2060 High	50yr Max Flood Depth Elev. (ft) 2060 High	100yr Max Flood Depth Elev. (ft) 2060 High
Treasure Island	6.32	6.33	6.35	6.36
North Bay Island	4.73	4.74	4.75	4.77
Harbor Island	5.75	5.84	5.94	6.04

For assets whose sensitivity was compared to the FFE or estimated elevation, the newly recommended elevation is the 2060 High maximum flood elevation of each island plus one foot. For assets whose sensitivity was based on the extent of flooding, the new recommended elevation is the 2060 High maximum flood elevation plus one foot. **Table 9-17** shows the recommended elevation for assets based on the island where they are located and the 2060 High sea level rise scenario. By updating the policies to adapt to new flooding patterns, the Village can mitigate the economic impact and guarantee that essential services continue to operate during critical times, thereby protecting the well-being and safety of the community.

Table 9-17. Minimum elevation for each asset type based on their island and the 2060 High SLR

Main Category	Asset Type	LOS 2060 High	Treasure Island (ft-NAVD88)	North Bay Island (ft-NAVD88)	Harbor Island (ft-NAVD88)
Critical Community and Emergency Facilities	City Hall	100-YR, 72-HR	7.5	-	-
	Future City Hall	100-YR, 72-HR	-	-	7.5
	Future Community Center	100-YR, 72-HR	7.5	-	-
	Health Facility	100-YR, 72-HR	7.5	-	-
	School Building	100-YR, 72-HR	7.5	-	-

Main Category	Asset Type	LOS 2060 High	Treasure Island (ft-NAVD88)	North Bay Island (ft-NAVD88)	Harbor Island (ft-NAVD88)
	School Open Areas	50-YR, 72-HR	7.5	-	-
Transportation Assets and Evacuation Routes	Evacuation Route (Causeway)	100-YR, 72-HR	7.5	6.00	7.00
	Primary Roads	5-YR, 24-HR	7.5	6.00	7.00
	Bus Routes	10-YR, 24-HR	7.5	6.00	7.00
	Bus Stops	10-YR, 24-HR	7.5	6.00	7.00
Critical Infrastructure	Outfall	10-YR, 24-HR	7.5	6.00	7.00
	Sanitary Sewer Pump Station	50-YR, 72-HR	7.5	-	7.00
Natural, Cultural, and Historical Resources	Park	10-YR, 24-HR	-	-	7.00

9.6 Prioritization of Strategies

Once the potential adaptation actions have been identified, the planning team must determine the merits and costs of each strategy. This analysis requires input from all the potentially affected components of the community. Funding allocation should prioritize adaptation activities and measures that effectively reduce risk in a cost-effective manner. It's important to create a balance between the immediate risks and future impacts. Prioritization should stem from the assessment of identified risks and the potential losses they may entail, considering funding availability, implementation capacity, and alignment with existing plans. FEMA and NOAA (2013) developed a checklist of considerations known as "*STAPLEE*" to guide the evaluation process:

- Social – What are the socially acceptable adaptation strategies in the community?
- Technical – What are the technically feasible adaptation strategies within the community?
- Administrative – Which adaptation strategies are implementable by the community leadership?
- Political – Which adaptation strategies are politically acceptable within the community?
- Legal – Which adaptation strategies are legally implementable by the community under state and municipal law?
- Economic – What are the cost-effective adaptation strategies available to the community?
- Environmental – Which adaptation Strategies are most favorable to the environment as determined by community conservation plans and statewide guidance?

9.7 Conclusions on the Adaptation Plan

Adaptation planning aims to improve the Village's resilience by considering prospective sea level rise-related hazards and advocating for appropriate responses to address them. This increased resilience could minimize the impacts on society and the economy caused by future flooding events. Engaging the community in these

discussions is of paramount importance as it promotes collective awareness about the problem and the potential solutions. Having the residents and stakeholders involved ensures that the strategies selected are not only effective but also reflective of the unique needs and perspectives of the local population. The alternatives shown in the previous section provide an overview of potential options that could be implemented to address future vulnerability. Since each strategy has its own limitations, an in-depth analysis will be required to determine its feasibility. Once implemented, the stormwater improvement projects will significantly reduce the sensitivity and risk of flooding of the critical assets in the focus areas.

Appendix A – Data Catalog

Critical and Significant Assets

Asset Category	Asset Type	Applicable Federal Data	Applicable State Data	Applicable County Data	Applicable City Data	Data/File Type Obtained	Data/File Description and/or Comments	Applicable URL Link (1)	Applicable URL Link (2)
Transportation Assets & Evacuation Routes	**Airports**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	There are no existing airports within North Bay Village.	-	-
Transportation Assets & Evacuation Routes	**Ports**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	There are no existing ports within North Bay Village.	-	-
Transportation Assets & Evacuation Routes	**Marinas**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	*County:* A point layer of marinas in Miami-Dade County.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::marina/explore?location=25.848143%2C-80.141723%2C14.53	-
Transportation Assets & Evacuation Routes	**Bridges**	No applicable data within City Limits.	Yes, downloaded data/file(s) from Florida Geospatial Open Data Portal.	No applicable data within City Limits.	No applicable data within City Limits.	GIS Shapefile (SHP)	*State* : The Bridges feature class shows the location of bridges as derived from event mapping Feature 258, characteristic BRIDGENO from the FDOT Roadway Characteristics Inventory data.	https://geodata.floridagio.gov/datasets/fdot::bridges-fda/explore?location=25.817083%2C-80.321613%2C13.54	-
Transportation Assets & Evacuation Routes	**Bus/Trolley Stops**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	*County:* A point feature class of Miami-Dade County Bus Stops.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::bus-stop-view-layer/explore?location=25.817219%2C-	-
Transportation Assets & Evacuation Routes	**Bus/Trolley Shelter**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	*County:* A point feature class of Miami-Dade Transit bus shelters within Miami-Dade County	https://gis-mdc.opendata.arcgis.com/datasets/bus-shelter/explore?location=25.724593%2C-	-
Transportation Assets & Evacuation Routes	**Bus/Trolley Route**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	*County:* A line feature class of Miami-Dade County Bus Routes *City:* Line feature classes of City trolley routes.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::bus-route/explore?location=25.340619%2C-80.598636%2C9.97	-
Transportation Assets & Evacuation Routes	**Major Roadways**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	*County:* A line feature class of the major streets within Miami-Dade County. Contains 4 classes of roads: limited access highways, divided highways/major roads, federal/state roads, and collector roads.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::major-road?about	-
Transportation Assets & Evacuation Routes	**Rail Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	There are no existing rail facilities within North Bay Village.	-	-
Transportation Assets & Evacuation Routes	**Railroad Bridges**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	There are no existing railroad bridges within North Bay Village.	-	-
Critical Infrastructure	**Wastewater Treatment Facilities & Lift Stations**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	A point feature class of all the Miami-Dade County Sanitary Sewer Pump Stations moratorium Status. A point feature class of Onsite Sewage Treatment and Disposal Systems(OSTDS), commonly referred to as Sewer Septic Systems within Miami-Dade County.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::sanitary-sewer-pump-station/explore?location=25.805788%2C-80.340185%2C14.13	https://gis-mdc.opendata.arcgis.com/datasets/MDC::doh-septic-system/explore?location=25.819000%2C-80.317436%2C14.65
Critical Infrastructure	**Stormwater Treatment Facilities & Pump Stations**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	*County:* A line feature class that represents all drainage pipes and conveyance systems such as outfalls, culverts, infiltration trenches, ditches in the drainage network within Miami-Dade County. A point feature class that represents all drainage structures such as manholes, catch basins, inlets, valves, weirs and canal cross sections in the drainage network within Miami-Dade County.	https://gis-mdc.opendata.arcgis.com/datasets/stormwater-line/explore?location=25.607260%2C-80.346563%2C10.81	https://gis-mdc.opendata.arcgis.com/datasets/stormwater-point/explore?location=25.619849%2C-80.346515%2C10.81
Critical Infrastructure	**Drinking Water Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Infrastructure	**Solid & Hazardous Waste Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Infrastructure	**Military Installations**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Infrastructure	**Communications Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Infrastructure	**Power Plants**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Infrastructure	**Disaster Debris Management Sites**	No applicable data within City Limits.	Yes, downloaded data/file(s) from FDEP Geospatial Open Data Portal.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**K-12 Schools**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	A point feature class of the Miami-Dade County Public Schools facilities.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::public-school/explore?location=25.644611%2C-80.316017%2C13.17	-
Critical Community & Emergency Facilities	**Colleges/Universities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Community Centers**	No applicable data within City Limits.	Yes, downloaded data/file(s) from Florida Geospatial Open Data Portal.	No applicable data within City Limits.	No applicable data within City Limits.	GIS Shapefile (SHP)	*County:* A point feature class containing Day Care Centers within Miami-Dade County, provided by Department of Children & Families (DCF).	https://gis-mdc.opendata.arcgis.com/datasets/MDC::daycare/explore?l	-
Critical Community & Emergency Facilities	**Correctional Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Disaster Recovery Centers**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Emergency Medical Service Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Emergency Operation Centers**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Fire stations**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	A point feature class of Miami-Dade County Operated Fire and Rescue Stations that provide emergency or administrative services to the public	https://gis-mdc.opendata.arcgis.com/datasets/MDC::fire-station/explore?location=25.705721%2C-	-
Critical Community & Emergency Facilities	**Health care facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Hospitals**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Law Enforcement Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	*County:* Point feature class of Miami Dade County Operated Police Stations.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::municipal-police-	-
Critical Community & Emergency Facilities	**Local Government Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	GIS Shapefile (SHP)	-	-	-
Critical Community & Emergency Facilities	**Logistical Staging Areas**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Affordable Public Housing**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Risk Shelter Inventory**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**State Government Facilities**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Critical Community & Emergency Facilities	**Police Station**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-		
Critical Community & Emergency Facilities	**Government Center**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-		
Critical Community & Emergency Facilities	**Hurricane Shelter**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-		
Critical Community & Emergency Facilities	**Health Facility**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-		
Natural, Cultural & Historical Resources	**Conservation Lands**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Natural, Cultural & Historical Resources	**Parks**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	A point feature class of Park and Recreational locations managed by Municipalities within Miami-Dade County. A point feature class of the Miami-Dade County (Unincorporated) operated park and recreation locations.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::municipal-	https://gis-mdc.opendata.arcgis.com/datasets/MDC::county-operated-park/explore?location=25.790401%2C-
Natural, Cultural & Historical Resources	**Park Facility**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	A point feature class of all park facilities (County, Municipal, State or National) within Miami-Dade County.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::park-facility/explore?location=25.669379%2C-80.308509%2C11.78	-
Natural, Cultural & Historical Resources	**Shorelines**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	A ine feature class of the shorelines within Miami Dade County.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::shoreline/explore?location=25.841048%2C-	-
Natural, Cultural & Historical Resources	**Surface Waters**	No applicable data within City Limits.	No applicable data within City Limits.	Yes, downloaded data/file(s) from MDC GIS Open Data Hub.	No applicable data within City Limits.	GIS Shapefile (SHP)	A generalized polygon feature class of Miami-Dade County water bodies with the land features removed.	https://gis-mdc.opendata.arcgis.com/datasets/MDC::water/explore?location=25.838158%2C-	-
Natural, Cultural & Historical Resources	**Wetlands**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Natural, Cultural & Historical Resources	**Historical & Cultural Assets**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-	-	-
Natural, Cultural & Historical Resources	**Parks**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	Yes, obatiend data from North Bay Village.	GIS Shapefile (SHP)	A point feature class of City parks	-	
Natural, Cultural & Historical Resources	**Park Boundary**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-		
Natural, Cultural & Historical Resources	**Water**	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	No applicable data within City Limits.	-	-		

Topographic Data

Title	Data Type	File Type	Source	Author	Data/File Description and/or Comments	Applicable URL Link (1)
Digital Elevation Model (DEM) - 2021	DEM Raster	Arc DEM	MDC Open Data Hub	GPI	The 2021 5-ft DEM is a hydro-enforced DEM developed by GPI from the 2021 LiDAR data.	https://gis-mdc.opendata.arcgis.com/documents/MDC::2021-miami-dade-county-dem-5ft/about
Digital Elevation Model (DEM) - 2018	DEM Raster	Arc DEM	MDC Open Data Hub	GPI	This is a Digital Elevation Model (DEM) as a raster mosaic in ESRI float format 32bit representation on a 5ft grid created from the LiDAR collected for the 2018 ITD LiDAR project.	https://gis-mdc.opendata.arcgis.com/documents/2018-miami-dade-county-dem-5ft/explore

Flood Scenario-Related Data

Title	Data Type	File Type	Source	Author	Data/File Description and/or Comments	Applicable URL Link (1)	Applicable URL Link (2)
ICPRv4 Model Files - 2022 SWMP Update	H&H Model File(s)	ICPRv4 File	BCC	BCC	ICPRv4 model files developed as part of the 2022 Stormwater Master Plan (SWMP) Update.	-	-
Hydrologic Conditions in Urban Miami-Dade County, Florida, and the Effect of Groundwater Pumpage and Increased Sea Level on Canal Leakage and Regional Groundwater Flow	Report	PDF	USGS	USGS	Evaluates the effect of increased groundwater pumpage and/or increased sea level on canal leakage, regional groundwater flow, and the position of the freshwater-seawater interface.	https://pubs.usgs.gov/sir/2014/5162/pdf/sir2014-5162.pdf	-
Unified Sea Level Rise Projection Southeast Florida	Report	PDF	Southeast Florida Regional Climate Change Compact	Southeast Florida Regional Climate Change Compact	Provides an update to the amount of anticiptaed sea level rise in Southeast Florida through 2120.	https://southeastfloridaclimatecompact.org/wp-content/uploads/2020/04/Sea-Level-Rise-Projection-Guidance.pdf	-
Updating the Statewide Extreme Rainfall Projections	Report	PDF	FIU	FIU	Assesses potential updates to Miami-Dade County Flood and Rain Loads that may alter the flood risks, particulary in the current environment of changing conditions due to climate change.	https://environment.fiu.edu/what-we-study/projects/fbc_fiu_finalreport.pdf	-
Global and Regional Sea Level Rise Scenarios for the United States - 2017	Report	PDF	NOAA	NOAA	Provides information and linkages between scenario-based and probabilistic projections of future sea levels for coastal-risk planning, management of long-lived critical infrastructure, mission readiness, and other purposes.	https://tidesandcurrents.noaa.gov/publications/techrpt83_Global_and_Regional_SLR_Scenarios_for_the_US_final.pdf	-
NOAA Atlas 14	Report/Website	PDF/Webpage	NOAA	NOAA	Provides precipitation frequency estimates for the United States and U.S. affiliated territories with associated 90% confidence intervals and supplementary information on temporal distribution of heavy precipitation, analysis of seasonablity and trends in annual maximum series data, etc.	https://www.weather.gov/media/owp/oh/hdsc/docs/Atlas14_Volume9.pdf	https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=fl

Other Data

Title	Data Type	File Type	Source	Author	Data/File Description and/or Comments	Applicable URL Link (1)
North Bay Village Stormwater Master Plan 2022	Report	PDF	BCC	BCC	-	-

Appendix B – Public Meeting No. 1

Flood Vulnerability Project Assessment
Public Meeting Minutes

Date: 07/11/2023
Location: Virtual Online Meeting; Zoom
Time: 6:00 p.m.

Participants:

BCC	**Brizaga**	**North Bay Village**
Alex Vasquez	Alec Bogdanoff	Rachel Streitfeld
	Erin Craddock	Delroy Peters
		Ralph Rosado
		Marlin Lobban
		NBV IT

Agenda Items

1. Welcome, and Introduction -
    A. Welcome and opening remarks made by Commissioner Rachel Streifeld.
        (1) Rachel briefly discussed the importance of vulnerability assessment and how it serves multiple purposes, such as being a useful tool for community outreach and grant funding. Rachel introduced Alex Vasquez from BCC to begin his presentation.
        (2) The meeting was held over Zoom and broadcast live on Facebook. There were no residents who attended.

2. **Objectives Of the Public Meeting by Alex Vasquez from BCC**

    A. Provide key information to the Public and Stakeholders regarding the goals of the Vulnerability.
    B. Assessment in accordance with s. 380.093, F.S.
    C. Allow the public to provide input during the initial data collection stages, preferred methodologies, and data for analyzing potential sea level rise.
    D. Obtain public input on guiding factors to consider critical assets important to the community.

3. **Vulnerability Assessment Purpose and Benefits By Alex Vasquez From BCC**
    A. Assess critical infrastructure impacts throughout the Village by flooding conditions caused by projected: Sea-level rise, Groundwater rise, Increased rainfall intensities, and Storm surge. Determine how vulnerable those assets are going to be.
    B. Identify the most susceptible assets and critical infrastructure to future flooding conditions within the Village (Harbor Island, North Bay Island, and Treasure Island).
    C. Measure specific risks to critical assets posed by these projections.

D. Set goals and planning-level action items toward developing an Adaptation Plan to minimize risks.
E. Assist the Village in securing the Flood Protection Project

4. **Vulnerability Assessment Scope of Work by Alex Vasquez From BCC**
   A. Task 1: Data Collection & Gap Analysis which is to gather data that has been completed. A lot of the data came from the Stormwater Master Plan and Field survey
   B. Task 2: Project Coordination, Public Outreach & Stakeholder Engagement which will last the duration of the project. It is to keep the public informed during our monthly meeting, which will be 12. We do not want to just want to present but we are looking for feedback from the public as well.
   C. Task 3: Critical Asset Inventory which is to define what the critical assets are. There are 4 types of critical and regionally significant assets owned and maintained by the Village which are Transportation Assets and Evacuation Routes, Critical Infrastructure, Critical Community and Emergency Facilities, and Natural, Cultural, and Historical Resources. It also includes the evacuation map.
   D. Task 4: Exposure Analysis where we run the flood analysis within the Village. It is to evaluate flooding for future conditions Year 2040: NOAA SLR 2017 intermediate low (0.76') and intermediate high (1.48') and for Year 2070: NOAA SLR 2017 intermediate low (1.31') and intermediate high (3.35'). We are also looking at compound flooding.
   E. Task 5: Sensitivity Analysis which is based on flooding projection to see how sensitive the critical assets are. We will assign a risk level based on percentages of the land area inundated and the number of critical assets not meeting the required flood protection level of service by flood severity in each flood scenario.
   F. Task 6: Identification & Ranking of Focus Areas. We want to see which area is more sensitive to the exposure analysis. The focus areas are Harbor Island, North Bay Island, and Treasure Island. Provide recommendations on how to adapt to sea level and groundwater rise, taking into consideration future studies to determine details, completion dates, cost estimates, and priorities for proposed adaptation projects.
   G. Task 7: Development of Adaptation Plan. We will develop a draft Vulnerability Assessment Report by combining all seven (7) technical memorandums. We will obtain comments from Village and Public
   H. Task 8: Final Vulnerability Assessment (VA) Report.
   I. Task 9: Evaluation of Comprehensive Plan/Ordinances & Strategy Development.

5. **Q&A**
   A. No Questions were asked.
   July 12th a question on Facebook was made by Roger Ruiz, "My question is how we are going to manage waste and recycling properly?"

Close of meeting 6:35 p.m.



OBJECTIVES OF THE PUBLIC MEETING NO.1

- **This Public Outreach Meeting is organized at the early stages of the project to:**
  - ✓ Provide key information to the Public and Stakeholders regarding the goals of the Vulnerability Assessment.
  - ✓ Allow the public to provide input during the initial data collection stages, preferred methodologies, and data for analyzing potential sea level rise.
  - ✓ Obtain public input on guiding factors to consider critical assets important to the community.



VULNERABILITY ASSESSMENT PURPOSE AND BENEFITS

1. Assess critical infrastructure impacts throughout the Village by flooding conditions caused by projected:
   - ✓ Sea-level rise
   - ✓ Groundwater rise
   - ✓ Increased rainfall intensities
   - ✓ Storm surge
2. Identify the most susceptible assets and critical infrastructure to future flooding conditions within the Village.
3. Measure specific risks to critical assets posed by these projections
4. Set goals and planning-level action items toward developing an Adaptation Plan to minimize risks.
5. Assist the Village in securing flood protection project grants.



VULNERABILITY ASSESSMENT SCOPE OF WORK

Task 1 – Data Collection & Gap Analysis **(Completed)**

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

Task 3 – Critical Asset Inventory **(Completed)**

Task 4 – Exposure Analysis

Task 5 – Sensitivity Analysis

Task 6 – Identification & Ranking of Focus Areas

Task 7 – Development of Adaptation Plan

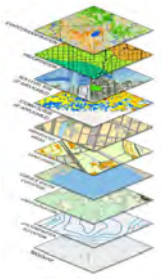
Task 8 – Final Vulnerability Assessment (VA) Report

TASK 1 – DATA COLLECTION & GAP ANALYSIS (TM 1)

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DATA COLLECTION AND GAP ANALYSIS

- **Purpose:**
  - ✓ Request and collect readily available data from the Village and various other governmental agencies/entities to support the vulnerability assessment.
  - ✓ Identify data gaps in accordance with the vulnerability assessment requirements outlined in s. 380.093, F.S., and filling those gaps by gathering the required data.
  - ✓ Develop a catalog for the collected data.



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DATA COLLECTION AND GAP ANALYSIS

- **Collected available data from all sources:**
  - Village
    - ✓ Stormwater Master Plan
    - ✓ Field survey
  - Other agencies and sources:
    - ✓ Miami-Dade County
    - ✓ NOAA
    - ✓ SFWMD
    - ✓ FIU
    - ✓ SFRCCC
    - ✓ NRCS
    - ✓ FEMA
    - ✓ USGS
    - ✓ FDOT
    - ✓ FDEP



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DATA COLLECTION AND GAP ANALYSIS

Critical and Significant Assets

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TASK 2 – PROJECT COORDINATION, PUBLIC OUTREACH & STAKEHOLDER ENGAGEMENT (TM 2)

PROJECT COORDINATION, PUBLIC OUTREACH & STAKEHOLDER ENGAGEMENT

- **Purpose:**
  - ✓ Provide key information to the Village, Public, and Stakeholders regarding the Vulnerability Assessment and obtain and implement their input.
  - ✓ Key engagement meetings (Task 2):
    - ❖ Project kick-off meeting (**completed**):
      - Introduce the project team (Village and BCC)
      - Discussed project approach and schedule
    - ❖ Monthly progress meeting (ongoing):
      - Total of 12 progress meetings.

PROJECT COORDINATION, PUBLIC OUTREACH & STAKEHOLDER ENGAGEMENT

- ❖ **Public Outreach Meeting No. 1 (current meeting):**
  - **Allow the public to provide input on:**
    - Data collection efforts (Task 1)
    - Identification of critical assets for the community (Task 3)
- ❖ **Public Outreach Meeting No. 2 (future meeting):**
  - **Allow the public to provide input on:**
    - Exposure analysis, sensitivity analysis, ranking of Focus Areas, and adaptation plan results (Task 4, 5, 6, and 6)
    - Analyses results and reconsider methodologies and assumptions used in this analysis based on the community-specific needs for final refinements
- ❖ **Commission meeting:**
  - Present findings of the Vulnerability Assessment (draft report).

TASK 3 – CRITICAL ASSET INVENTORY (TM 3)

CRITICAL ASSET INVENTORY

- **Purpose:**
  - ✓ Prepare an inventory of critical and regionally significant assets and infrastructure for the local government and community by coordination with stakeholders and decision-makers.
  - ✓ Four (4) types of critical and regionally significant assets owned and maintained by the Village :
    1. **Transportation Assets and Evacuation Routes**
    2. **Critical Infrastructure**
    3. **Critical Community and Emergency Facilities**
    4. **Natural, Cultural, and Historical Resources**

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CRITICAL ASSET INVENTORY

1. ***Transportation Assets and Evacuation Routes***
   - ✓ Evacuation route (Causeway)
   - ✓ Primary local roads
   - ✓ Bus routes and stops
2. ***Critical Infrastructure***
   - ✓ Sanitary sewer pump station
   - ✓ Stormwater outfalls
   - ✓ Bus routes, shelters and stops
3. ***Critical Community and Emergency Facilities***
   - ✓ Current and future Village Hall
   - ✓ Health facilities
   - ✓ Schools
   - ✓ Future community centers
4. ***Natural, Cultural, and Historical Resources***
   - ✓ Parks

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CRITICAL ASSET INVENTORY



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CRITICAL ASSET INVENTORY



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CRITICAL ASSET INVENTORY



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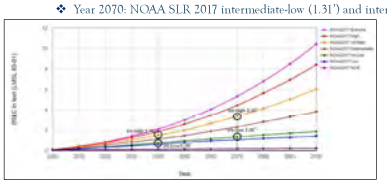
TASK 4 – EXPOSURE ANALYSIS (TM 4)

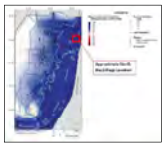
18

EXPOSURE ANALYSIS

➢ **Purpose:**

- ✓ Conduct an exposure analysis to determine the flooding caused by projected sea-level rise, groundwater rise, increased rainfall intensities, and storm surges.
- ✓ Evaluate flooding for the future conditions under scenarios listed below:
  - ❖ Year 2040: NOAA SLR 2017 intermediate-low (0.76') and intermediate-high (1.48')
  - ❖ Year 2070: NOAA SLR 2017 intermediate-low (1.31') and intermediate-high (3.35')





5-YR 24-HR	6.07	1.11	7.74
10-YR 24-HR	6.66	1.18	8.54
25-YR 72-HR	11.0	1.11	14.42
100-YR 72-HR	12.5	1.17	20.48
500-YR 72-HR	15.6	1.21*	18.55

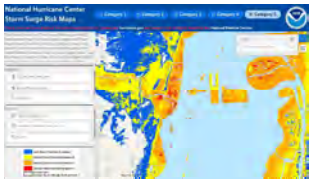
* FEMA has not developed a CF value for the 500YR 72HR storm event for the year 2070, and this value has been generated by a linear regression relationship.

19

EXPOSURE ANALYSIS

- ✓ Evaluate storm surge scenarios with sea-level rise, groundwater rise, and increased rainfall intensities:
  - ❖ Category 1 Hurricane (approximately 1' to 3' above ground)
  - ❖ Category 5 Hurricane (approximately 6' to 9' above ground)





- Source: https://experience.arcgis.com/experience/203f772571cb48b1b8b50fdcc3272e2c/page/

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EXPOSURE ANALYSIS

- ✓ Evaluate flooding for the following for each scenario for the following storm events:
  - 5-year, 24-hour
  - 10-year, 24-hour
  - 25-year, 72-hour
  - 50-year, 72-hour
  - 100-year, 72-hour
  - 500-year, 72-hour
- ✓ Develop flood maps for each design storm event



TASK 5 – SENSITIVITY ANALYSIS (TM 5)

SENSITIVITY ANALYSIS

➢ **Purpose:**

- ✓ Measure the impact of flooding on the critical assets (Critical Asset Inventory - Task 3) by applying the projected future conditions data (Exposure Analysis - Task 4).
- ✓ Assign a risk level based on percentages of the land area inundated and the number of critical assets not meeting the required flood protection level of service by flood severity in each flood scenario.

Overall Risk Assessment	Land Area Inundated (% of census tract or neighborhood)	Critical Assets Affected (percentage of total assets or within each asset category)
None	0%	0%
Low	<25%	<25%
Medium	25 – 50%	25 – 50%
High	50 – 75%	50 – 75%
Extreme	>75%	>75%

TASK 6 – IDENTIFICATION & RANKING OF FOCUS AREAS (TM 6)

IDENTIFICATION & RANKING OF FOCUS AREAS

- **Purpose:**
  - ✓ Identify focus areas. Tentatively each Island will be a Focus Area:
    - ✓ Harbor Island
    - ✓ North Bay Island
    - ✓ Treasure Island.
  - ✓ Rank each Focus Area by establishing a Flood Protection Severity Score (FPSS)

IDENTIFICATION & RANKING OF FOCUS AREAS

- ✓ Flood Protection Severity Score (FPSS) determined by first determining the Flood Score (S):

$$S = \sum_{i=1}^{n}(NA_i \times E_i) \times WF_i$$

  - ✓ NA_i is the number of assets not meeting the level of service
  - ✓ E_i is the assigned exceedance value based on the asset sensitivity level (low, medium, and high)
  - ✓ W_i is a weighting factor based
- ✓ The FPSS is then determined by dividing the Flood Scope by the Focus Area total area:

$$FPSS = \frac{\sum_{i=1}^{n} S_i}{Area}$$

TASK 7 – DEVELOPMENT OF ADAPTATION PLAN (TM 7)

DEVELOPMENT OF ADAPTATION PLAN

- **Purpose:**
  - ✓ Develop planning-level adaptation and implementation strategies for vulnerable Focus areas, as defined in Task 6.
  - ✓ The planning area's impacts should be identified and assessed, goals and planning-level initiatives should be developed to minimize these impacts, and a process to implement these initiatives.
  - ✓ Analyze adaptive capacities, prioritize adaptation needs, identify adaptation strategies, and integrate actions into existing plans.
  - ✓ Develop an Adaptation Plan based on a planning-level effort (does not include conceptual design).
  - ✓ Provide recommendations on how to adapt to sea-level and groundwater rise, taking into consideration future studies to determine details, completion dates, cost estimates, and priorities for proposed adaptation projects

TASK 8 – FINAL VULNERABILITY ASSESSMENT (VA) REPORT

VULNERABILITY ASSESSMENT REPORT

- ✓ Develop a draft Vulnerability Assessment Report by combining all seven (7) technical memorandums
- ✓ Obtain comments from Village and Public
- ✓ Prepare the Final Vulnerability Assessment Report for submission to the Florida Department of Environmental Projection.

QUESTIONS???

Appendix C – Public Meeting No. 2

North Bay Village Vulnerability Assessment

Public Workshop #2

Date: 11/06/2023
Location: Virtual Workshop
Time: 6:30 p.m.

Participants:

BCC	Brizaga	North Bay Village	Residents & Other
Alex Vasquez	Alec Bogdanoff	Rachel Streitfeld	Julio Tejeda (SFWMD)
	Erin Craddock	Delroy Peters	Shelly A
		Ralph Rosado	Alina Sedano
		NBV IT	Santiago A Casas
		NBV Encoder	

Meeting Minutes

1- **Introduction**
   a. Alec Bogdanoff, Brizaga, introduced Commissioner Streitfeld.
   b. Commissioner Rachael Streitfeld expressed gratitude for public participation in workshop #2. She highlighted North Bay Village's completed Stormwater Master Plan, funded by a voter-approved $60 million bond for roadway and drainage improvements. Phase 1 project design is underway.
   c. The Vulnerability Assessment, broader than stormwater management, is mandated by Florida law. Completion makes North Bay Village eligible for state funding via the Resilience Florida Grant Program.
   d. The assessment considers rainfall, flooding, storm surges, and hurricanes, aiming to secure funds for resilience projects.

2- **Project Objectives**
   a. Alex Vazquez, Project Manager with BCC Engineering, introduced himself.
   b. The objectives of this public meeting and future meetings regarding this project are to:
      i. Provide key information to the public and stakeholders regarding the goals of the Vulnerability Assessment in accordance with s. 380.093, F.S.
      ii. Allow the public to provide input to the results from the exposure analysis, sensitivity analysis, and identification and ranking of the focus areas.

iii. The Vulnerability Assessment is not to address current flooding issues throughout the Village. This assessment was done as part of the adopted Village Stormwater Master Plan

c. Vulnerability Assessment Purpose and Benefits:

i. Alex went over the purpose and benefits of the Vulnerability Assessment.
ii. To assess critical infrastructure impacts throughout the Village by flooding conditions caused by projected:
    1. Sea-level rise
    2. Groundwater rise
    3. Increased rainfall intensities
    4. Storm surges
iii. To identify the most susceptible assets and critical infrastructure to future flooding conditions within the Village.
iv. To measure specific risks to critical assets posed by these projections.
v. To set goals and planning-level action items toward developing an Adaptation Plan to minimize risks.
vi. To assist the Village in securing flood protection project grants.

d. Vulnerability Assessment Scope of Work:

i. Alex went over all Tasks associated with the Vulnerability Assessment.
ii. Task 1 – Data Collection & Gap Analysis (Completed)
iii. Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement (Ongoing)
iv. Task 3 – Critical Asset Inventory (Completed)
v. Task 4 – Exposure Analysis (Completed)
vi. Task 5 – Sensitivity Analysis (Completed)
vii. Task 6 – Identification & Ranking of Focus Areas (Completed)
viii. Task 7 – Development of Adaptation Plan (Ongoing)
ix. Task 8 – Final Vulnerability Assessment (VA) Report (Ongoing)

e. Task 1- Data Collection and Analysis

i. Alex briefly reviewed Task 1 as it had already been discussed in public workshop #1. This task involved collecting all the necessary data and cataloging all of the data that was available to them. The team was able to determine that there were very few gaps because of the amount of data that was available.

f. Taks 2 – Project Coordination, Public Outreach, and Stakeholder Engagement

i. Alex discussed that this task will be ongoing throughout the project up until the completion of the report. The aim of this task is to gather input and feedback from residents as well as the public. One of the criteria was a project kickoff meeting with all applicable individuals from the Village and consultants. And then define the goal of the project schedule. As part of Task 2, the City and consultants hold monthly progress meetings with Village staff every time there is a deliverable to gather input and make changes before each submittal.

g. Task 3 – Critical Asset Inventory

i. Alex discussed that this task involves following the FDEP criteria that break down critical assets into four different types of assets. The consultants went through and identified those assets alongside the Village and broke them down into:
    1. Transportation Assets and Evacuation Routes
    2. Critical Infrastructure
    3. Critical Community and Emergency Facilities

4. Natural, Cultural, and Historical Resources

ii. The consultant team and the Village mapped all the critical infrastructure on each island and presented them at the first meeting to obtain input from the public.

h. Task 4 – Exposure Analysis

i. Alex discussed that the team conducted an exposure analysis to determine the flooding caused by projected sea-level rise, groundwater rise, increased rainfall intensities, and storm surges.

1. The team then evaluates flooding for the future conditions under the scenarios listed below:
    a. Year 2040: NOAA SLR 2017 intermediate-low (0.76') and intermediate-high (1.48')
    b. Year 2070: NOAA SLR 2017 intermediate-low (1.31') and intermediate-high (3.35')
2. In addition, they must look at groundwater rise that we look at in correlation to sea level rise. There is about a 1 to 1 ratio between sea level rise and groundwater rise. So, they updated the model groundwater parameters based on those criteria.
3. The team then evaluates storm surge scenarios with sea-level rise, groundwater rise, and increased rainfall intensities:
    a. Category 1 Hurricane (approximately 1' to 3' above ground)
    b. Category 5 Hurricane (approximately 6' to 9' above ground)
4. The team then analyzed the recent hurricanes and matched them to the storm surge depths for category 5 hurricanes and the storm surge duration. The team also analyzes that with and without rainfall.
5. The team also evaluates flooding for the following for each scenario for the following storm events:
    a. 5-year, 24-hour
    b. 10-year, 24-hour
    c. 25-year, 72-hour
    d. 50-year, 72-hour
    e. 100-year, 72-hour
    f. 500-year, 72-hour
    g. 1000-year, 72-hour
6. The team then develops flood maps for each designed storm event and each island and flood maps for storm surges with and without rainfall.

i. Task 5- Sensitivity Analysis

i. Purpose:

1. Alex went over how this task is important because they analyze how those critical assets meet the level of service intended for the asset. Based on the condition, you label it as having no impact to high impact.
2. The team measures the impact of flooding on the critical assets (Critical Asset Inventory - Task 3) by applying the projected future conditions data (Exposure Analysis - Task 4).
3. Assign a risk level based on percentages of the land area inundated and the number of critical assets not meeting the required flood protection level of service by flood severity in each flood scenario.
4. All assets were analyzed based on their expected level of service and asset categories and types:

a. Sea-Level Rise Scenarios

i. For assets that were analyzed based on their elevation, the sensitivity level was classified as:
   1. High= flood depth exceeds FFE
   2. Medium = flood depth between 0 – 0.5 ft below FFE
   3. Low = flood depth more than 0.5 ft below FFE

ii. For assets that were analyzed based on the total flooded area, the sensitivity level was classified as:
   1. High= > 66% of the area is flooded

iii. Medium = 33% - 66% of the area is flooded

iv. Low = < 33% of the area is flooded

v. For roadway assets that were analyzed based on the average depth of flood, the sensitivity level was classified as:
   1. High= > 0.5 ft of flood depth
   2. Medium = 0.25 ft - 0.5 ft of flood depth
   3. Low = < 0.25 ft of flood depth

b. Storm Surge Scenario

i. For assets that were analyzed based on elevation, the sensitivity level was classified as:
   1. High= flood depth exceeds FFE
   2. Medium = flood depth between 0 – 0.5 ft below FFE
   3. Low = flood depth more than 0.5 ft below FFE

ii. For assets that were analyzed based on the total flooded area, the sensitivity level was classified as:
   1. High= > 66% of the area is flooded
   2. Medium = 33% - 66% of the area is flooded
   3. Low = < 33% of the area is flooded

iii. For roadway assets that were analyzed based on the average depth of flood, the sensitivity level was classified as:
   1. High= > 0.5 ft of flood depth
   2. Medium = 0.25 ft - 0.5 ft of flood depth
   3. Low = < 0.25 ft of flood depth

iv. In these studies, the causeway failed, showing that it isn't meeting the 100-year level of service.

j. Task 6 – Identification of Focus Area

i. Purpose:

1. Alex discussed how the consultant met with the Village, and the recommendation was to look at each island as a focus area, and if there is a reason to subdivide different focus areas, they would do so.
2. They then identify focus areas. Tentatively, each Island will be a Focus Area:
   a. Harbor Island
   b. North Bay Island

c. Treasure Island

3. The team then ranks each Focus Area by establishing a Flood Protection Severity Score (FPSS). This score is based on a function of the number of assets within that focus area and then computes a severity score using an equation. The FPSS is then determined by the total score.
4. The focus areas are then ranked using this total score. Total number of assets within each delineated focus area in the village:
    a. Harbor Island = 22
    b. North Bay Island = 19
    c. Treasure Island = 37
        i. The higher the score, the worse the assets are at meeting the required level of service.

k. Task 7 - Development of Adaptation Plan

i. The last task is developing the adaptation plan, which is a work in progress. The team will look at different strategies, but overall, they look at the following four categories:
    1. Protection Strategies – adding infrastructure, for example, that is being proposed by the stormwater master plan.
    2. Accommodation Strategies – this would be flood-proofing different properties, for example.
    3. Relocation Strategies – the team would want to define infrastructure that could coexist with projected sea level rise.
    4. Avoidance Strategies – this would be, for example, what should be the minimum elevation based on the planning horizon in the stormwater master plan, the 2060 high with the 2019 curves. They want the infrastructure in the future, the buildings to be raised, and what is being built to be above the 2060 low with the 2019 sea level rise projections.

l. Task 8 - Final Vulnerability Assessment

i. This is where the team prepares the report.
    1. Develop a draft Vulnerability Assessment Report by combining all seven (7) technical memorandums.
    2. Obtain comments from the Village and Public
    3. Prepare the Final Vulnerability Assessment Report for submission to the Florida Department of Environmental Projection.

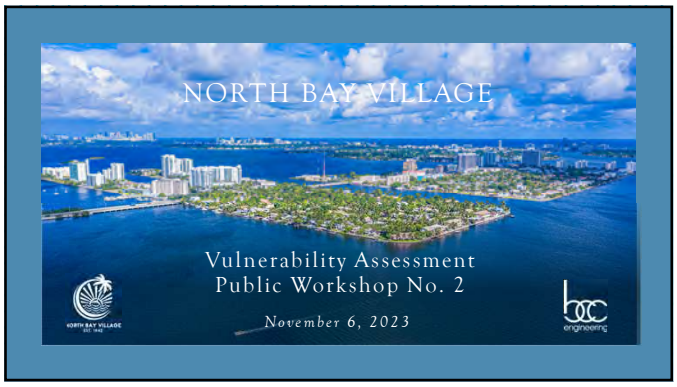
m. Q and A Portion

i. The attendees could ask their questions during this portion of the workshop.

n. Closing Remarks

i. Commissioner Rachel Streitfeld thanked the team for their great work thus far and continue to do and the residents for all of their support and input.

The meeting adjourned at 6:45 pm.



1

OBJECTIVES OF THE PUBLIC MEETING NO. 2

- **This Public Outreach Meeting is organized to:**
  - ✓ Provide key information to the Public and Stakeholders regarding the goals of the Vulnerability Assessment in accordance with s. 380.093, F.S.
  - ✓ Allow the public to provide input on the data used and methodologies implemented to identify the vulnerability of the Village's critical assets during the projected sea-level rise, groundwater rise, increased rainfall intensities, and storm surges
  - ✓ The Vulnerability Assessment is not to address current flooding issues throughout the Village. This assessment was done as part of the adopted Village Stormwater Master Plan

2

VULNERABILITY ASSESSMENT PURPOSE AND BENEFITS

1. Assess critical infrastructure impacts throughout the Village by flooding conditions caused by projected:
   - ✓ Sea-level rise
   - ✓ Groundwater rise
   - ✓ Increased rainfall intensities
   - ✓ Storm surge
2. Identify the most susceptible assets and critical infrastructure to future flooding conditions within the Village.
3. Measure specific risks to critical assets posed by these projections
4. Set goals and planning-level action items toward developing an Adaptation Plan to minimize risks.
5. Assist the Village in securing flood protection project grants.



3

VULNERABILITY ASSESSMENT SCOPE OF WORK

Task 1 – Data Collection & Gap Analysis **(Completed)**

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

Task 3 – Critical Asset Inventory **(Completed)**

Task 4 – Exposure Analysis **(Completed)**

Task 5 – Sensitivity Analysis **(Completed)**

Task 6 – Identification & Ranking of Focus Areas **(Completed)**

Task 7 – Development of Adaptation Plan **(Ongoing)**

Task 8 – Final Vulnerability Assessment (VA) Report **(Ongoing)**

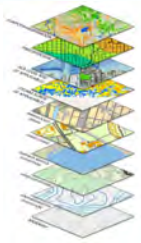
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TASK 1 – DATA COLLECTION & GAP ANALYSIS (TM 1)

5

DATA COLLECTION AND GAP ANALYSIS

- **Purpose:**
  - ✓ Request and collect readily available data from the Village and various other governmental agencies/entities to support the vulnerability assessment.
  - ✓ Identify data gaps in accordance with the vulnerability assessment requirements outlined in s. 380.093, F.S., and filling those gaps by gathering the required data.
  - ✓ Develop a catalog for the collected data.



6

DATA COLLECTION AND GAP ANALYSIS

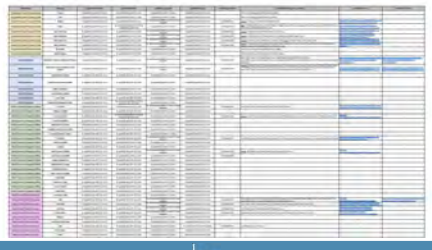
- Collected available data from all sources:
  - Village
    - ✓ Stormwater Master Plan
    - ✓ Field survey
  - Other agencies and sources:
    - ✓ Miami-Dade County
    - ✓ NOAA
    - ✓ SFWMD
    - ✓ FIU
    - ✓ SFRCCC
    - ✓ NRCS
    - ✓ FEMA
    - ✓ USGS
    - ✓ FDOT
    - ✓ FDEP



7

DATA COLLECTION AND GAP ANALYSIS

Critical and Significant Assets



8

TASK 2 – PROJECT COORDINATION, PUBLIC OUTREACH & STAKEHOLDER ENGAGEMENT (TM 2)

9

PROJECT COORDINATION, PUBLIC OUTREACH & STAKEHOLDER ENGAGEMENT

- **Purpose:**
  - ✓ Provide key information to the Village, Public, and Stakeholders regarding the Vulnerability Assessment and obtain and implement their input.
  - ✓ Key engagement meetings (Task 2):
    - ❖ Project kick-off meeting **(completed)**:
      - Introduce the project team (Village and BCC)
      - Discussed project approach and schedule
    - ❖ Monthly progress meeting **(ongoing):**

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PROJECT COORDINATION, PUBLIC OUTREACH & STAKEHOLDER ENGAGEMENT

- ❖ **Public Outreach Meeting No. 1 (Completed):**
  - **Two meetings held:**
    - Public Meeting No. 1 (to Public) - July 11, 2023
    - Public Meeting No. 1 (to Resiliency Task Force) - July 25, 2023
  - **Allow the public to provide input on:**
    - Data collection efforts (Task 1)
    - Identification of critical assets for the community (Task 3)
- ❖ **Public Outreach Meeting No. 2 (Current meeting):**
  - **Allow the public to provide input on:**
    - Exposure Analysis, Sensitivity Analysis, and Ranking of Focus Areas. (Task 4, 5, and 6)
- ❖ **Commission meeting (Pending):**
  - Present findings of the Vulnerability Assessment (Tentative 1st meeting in January 2024)

11

TASK 3 – CRITICAL ASSET INVENTORY (TM 3)

12

CRITICAL ASSET INVENTORY

- **Purpose:**
  - ✓ Prepare an inventory of critical and regionally significant assets and infrastructure for the local government and community by coordination with stakeholders and decision-makers.
  - ✓ Four (4) types of critical and regionally significant assets owned and maintained by the Village :
    1. **Transportation Assets and Evacuation Routes**
    2. **Critical Infrastructure**
    3. **Critical Community and Emergency Facilities**
    4. **Natural, Cultural, and Historical Resources**

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CRITICAL ASSET INVENTORY

1. ***Transportation Assets and Evacuation Routes***
   - ✓ Evacuation route (Causeway)
   - ✓ Primary local roads
   - ✓ Bus routes and stops
2. ***Critical Infrastructure***
   - ✓ Sanitary sewer pump station
   - ✓ Stormwater outfalls
   - ✓ Bus routes, shelters and stops
3. ***Critical Community and Emergency Facilities***
   - ✓ Current and future Village Hall
   - ✓ Health facilities
   - ✓ Schools
   - ✓ Future community centers
4. ***Natural, Cultural, and Historical Resources***
   - ✓ Parks

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CRITICAL ASSET INVENTORY



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CRITICAL ASSET INVENTORY



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CRITICAL ASSET INVENTORY



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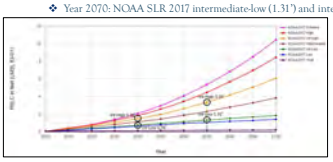
TASK 4 – EXPOSURE ANALYSIS (TM 4)

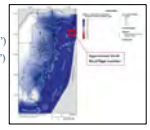
18

EXPOSURE ANALYSIS

➢ **Purpose:**

- ✓ Conduct an exposure analysis to determine the flooding caused by projected sea-level rise, groundwater rise, increased rainfall intensities, and storm surges.
- ✓ Evaluate flooding for the future conditions under scenarios listed below:
  - ❖ Year 2040: NOAA SLR 2017 intermediate-low (0.76') and intermediate-high (1.48')
  - ❖ Year 2070: NOAA SLR 2017 intermediate-low (1.31') and intermediate-high (3.35')





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EXPOSURE ANALYSIS

- ✓ Evaluate storm surge scenarios with sea-level rise, groundwater rise, and increased rainfall intensities:
  - ❖ Category 1 Hurricane (approximately 1' to 3' above ground)
  - ❖ Category 5 Hurricane (approximately 6' to 9' above ground)



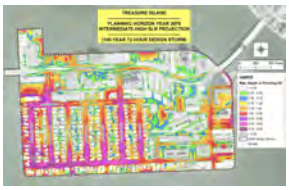


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EXPOSURE ANALYSIS

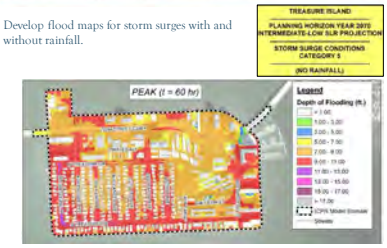
- ✓ Evaluate flooding for the following for each scenario for the following storm events:
  - 5-year, 24-hour
  - 10-year, 24-hour
  - 25-year, 72-hour
  - 50-year, 72-hour
  - 100-year, 72-hour
  - 500-year, 72-hour
  - 1000-year, 72-hour
- ✓ Develop flood maps for each design storm event
- ✓ Develop flood maps for storm surges with and without rainfall.



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EXPOSURE ANALYSIS

- ✓ Develop flood maps for storm surges with and without rainfall.



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TASK 5 – SENSITIVITY ANALYSIS (TM 5)

23

SENSITIVITY ANALYSIS

➢ **Purpose:**

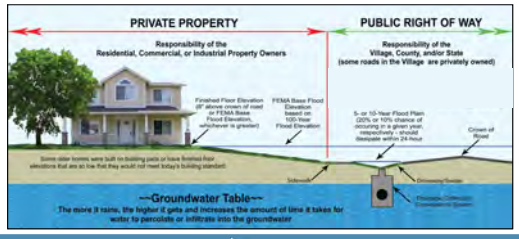
- ✓ Measure the impact of flooding on the critical assets (Critical Asset Inventory - Task 3) by applying the projected future conditions data (Exposure Analysis - Task 4).
- ✓ Assign a risk level based on percentages of the land area inundated and the number of critical assets not meeting the required flood protection level of service by flood severity in each flood scenario.

Overall Risk Assessment	Land Area Inundated (% of census tract or neighborhood)	Critical Assets Affected (percentage of total assets or within each asset category)
None	0%	0%
Low	<25%	<25%
Medium	25 – 50%	25 – 50%
High	50 – 75%	50 – 75%

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SENSITIVITY ANALYSIS

- Flood Protection Level of Service (LOS) Criteria:



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SENSITIVITY ANALYSIS – SEA LEVEL RISE SCENARIOS

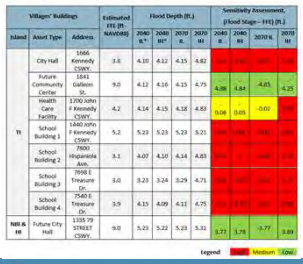
- All assets were analyzed based on their expected level of service and asset categories
  - Sea-Level Rise Scenarios



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SENSITIVITY ANALYSIS – SEA LEVEL RISE SCENARIOS

- For assets that were analyzed based on their **elevation**, the sensitivity level was classified as:
  - High = flood depth exceeds FFE
  - Medium = flood depth between 0 – 0.5 ft below FFE
  - Low = flood depth more than 0.5 ft below FFE



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SENSITIVITY ANALYSIS – SEA LEVEL RISE SCENARIOS

- For assets that were analyzed based on **the total flooded area**, the sensitivity level was classified for as:
  - High = > 66% of the area is flooded
  - Medium = 33% - 66% of the area is flooded
  - Low = < 33% of the area is flooded



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SENSITIVITY ANALYSIS – SEA LEVEL RISE SCENARIOS

- For **roadway assets** that were analyzed based on the **average depth of flood**, the sensitivity level was classified as:
  - High – > 0.5 ft of flood depth
  - Medium – 0.25 ft - 0.5 ft of flood depth
  - Low – < 0.25 ft of flood depth
- The Average Flood Depth was calculated as:

$$\text{Average Depth of Flood} = \frac{(0.12 \times l_A) + (0.35 \times l_B) + (0.75 \times l_C) + (1 \times l_D)}{L}$$

Where:

l_A is the length of roadway with flood depth of 0.25 ft. or lower

l_B is the length of roadway with flood depth ranging from 0.25 ft. to 0.5 ft.

l_C is the length of roadway with flood depth ranging from 0.5 ft. to 1.0 ft.

l_D is the length of roadway with flood depth greater than 1.0 ft.

L representing the total length of roadway

Sensitivity Analysis of the Evacuation Route in TI and NBI & HI in Sea-level Rise Scenarios

Island	Scenario	Road Name	Total Length (Miles)	% length of flood, Flooded Depth (> 0.25 ft.)	% length of flood, Flooded Depth (0.25 – 0.5 ft.)	% length of flood, Flooded Depth (> 0.5 ft.)	Sensitivity Assessment Mean Flood Depth (ft.)
TI	2040 SL	John F Kennedy CSWY	0.759	63.94	27.24	8.83	0.22
	2040 IH	John F Kennedy CSWY	0.759	64.69	26.26	9.06	0.23
	2070 SL	John F Kennedy CSWY	0.759	62.74	26.46	10.81	0.24
	2070 IH	John F Kennedy CSWY	0.759	45.04	21.39	33.58	0.36
NBI & HI	2040 SL	John F Kennedy CSWY	0.300	91.64	6.17	2.20	0.15
	2040 IH	John F Kennedy CSWY	0.300	90.95	7.50	1.56	0.15
	2070 SL	John F Kennedy CSWY	0.300	90.95	6.88	2.13	0.15
	2070 IH	John F Kennedy CSWY	0.300	88.90	9.46	1.56	0.15

Legend: High | Medium | Low

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SENSITIVITY ANALYSIS – STORM SURGE SCENARIO

- All assets were analyzed based on their expected level of service and asset categories
  - Storm Surge Scenario

Main Category	Asset Type	Event Flood Depth	Sensitivity Assessment Procedure	Sensitivity Level
Critical Community Emergency Facilities	City Hall	No Rainfall, 72-HR	Flood depth rise compared to the estimated FFE	• High: flood depth exceeds FFE • Medium: flood depth between 0 - -0.5 ft below FFE • Low: flood depth more than 0.5 ft. below FFE
	Future City Hall	No Rainfall, 72-HR	Flood depth rise compared to the estimated FFE	
	Future Community Center	No Rainfall, 72-HR	Flood depth rise compared to the estimated FFE	
	Health Facility	No Rainfall, 72-HR	Flood depth rise compared to the estimated FFE	
	School Building	No Rainfall, 72-HR	Flood depth rise compared to the estimated FFE	
	Schools Open Areas	No Rainfall, 72-HR	Percentage of the flooded area	• High: > 66% of lot area is flooded • Medium: 33% to 66% of lot area is flooded • Low: < 33% of lot area is flooded
Transportation Assets and Evacuation Routes	Evacuation Routes (Causeways)	No Rainfall, 72-HR	Depth & extent of flooding over the roadway	• High: mean flood depth > 0.5 ft above crown of roadway • Medium: mean flood depth between 0.25 - 0.5 ft above crown of roadway • Low: mean flood depth < 0.25 ft above crown of roadway
	Primary Streets	No Rainfall, 72-HR	Depth & extent of flooding over the roadway	
	Bridges	No Rainfall, 72-HR	Depth & extent of flooding over the bridge	
	Box Culverts	No Rainfall, 72-HR	Flood depth compared to the estimated bridge deck elevation	• High: flood depth exceeds deck elevation • Medium: flood depth between 0 - -0.5 ft below deck elevation • Low: flood depth more than 0.5 ft below deck elevation
Critical Infrastructure	Outfall	No Rainfall, 72-HR	Flood depth was assessed at service roadways	• High: flood depth > 0.5 ft • Medium: flood depth, 0 - 0.5 ft • Low: flood depth ≤ 0
	Sanitary Sewer Pump Station	No Rainfall, 72-HR	Flood depth at the sump station top slab	• High: flood depth > 0.5 ft • Medium: flood depth, 0 - 0.5 ft • Low: flood depth ≤ 0
Natural, Cultural, and Historical Resources	Park	No Rainfall, 72-HR	Percentage of the flooded area	• High: > 66% of lot area is flooded • Medium: 33% to 66% of lot area is flooded • Low: < 33% of lot area is flooded

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SENSITIVITY ANALYSIS – STORM SURGE SCENARIOS

- For assets that were analyzed based on **elevation**, the sensitivity level was classified as:
  - High – flood depth exceeds FFE
  - Medium = flood depth between 0 – 0.5 ft below FFE
  - Low – flood depth more than 0.5 ft below FFE

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SENSITIVITY ANALYSIS – STORM SURGE SCENARIOS

Hurricane Island	Asset Type	Address	Estimated FFE (ft NAVD88)	Flood Depth (ft.) 2040 SLR*	2040 IH*	2070 SL	2070 IH	Sensitivity Assessment, [Flood Stage – FFE] (ft.) 204 0.5ft	204 0.1ft	207 0.1ft	2070 IH
Category 1	City Hall	1666 KENNEDY CSWY.	3.8	8.78	9.25	9.39	11.2				
TI	Future Community Center	1641 Galleon St.	9.0	9.14	8.58	9.72	11.5				
	Health Care Facility	1700 John F Kennedy CSWY.	4.2	8.95	9.40	9.54	11.3				
	School Building 1	1440 John F Kennedy CSWY.	5.2	9.26	9.70	9.89	11.6				
	School Building 2	7800 Hispaniola Ave.	5.1	8.73	9.21	9.34	11.2				
	School Building 3	7698 E Treasure Dr.	5.0	9.40	9.82	9.99	11.8				
	School Building 4	7540 E Treasure Dr.	5.9	8.96	9.42	9.55	11.3				
NBI & HI	Future City Hall	1325 79 STREET CSWY.	9.0	9.38	9.81	9.94	11.6				

Hurricane Island	Asset Type	Address	Estimated FFE (ft NAVD88)	Flood Depth (ft.) 2040 SLR*	2040 IH*	2070 SL	2070 IH	Sensitivity Assessment, [Flood Stage – FFE] (ft.) 204 0.5ft	204 0.1ft	207 0.1ft	2070 IH
Category 3	City Hall	1666 KENNEDY CSWY.	3.8	11.9	12.3	12.5	14.3				
TI	Future Community Center	1641 Galleon St.	9.0	12.1	12.6	12.7	14.5				
	Health Care Facility	1700 John F Kennedy CSWY.	4.2	12.0	12.4	12.6	14.4				
	School Building 1	1440 John F Kennedy CSWY.	5.2	12.3	12.7	12.9	14.6				
	School Building 2	7800 Hispaniola Ave.	5.1	11.8	12.3	12.4	14.2				
	School Building 3	7698 E Treasure Dr.	5.0	12.4	12.8	12.9	14.6				
	School Building 4	7540 E Treasure Dr.	3.9	12.0	12.5	12.6	14.4				
NBI & HI	Future City Hall	1325 79 STREET CSWY.	9.0	12.3	12.8	12.9	14.6				

Legend: High | Medium | Low

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SENSITIVITY ANALYSIS- STORM SURGE SCENARIO

- For assets that were analyzed based on the **total flooded area**, the sensitivity level was classified as:
  - High = > 66% of the area is flooded
  - Medium = 33% - 66% of the area is flooded
  - Low = < 33% of the area is flooded

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SENSITIVITY ANALYSIS- STORM SURGE SCENARIOS

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SENSITIVITY ANALYSIS-STORM SURGE SCENARIO

- For **roadway assets** that were analyzed based on the **average depth of flood**, the sensitivity level was classified as:
  - High = > 0.5 ft of flood depth
  - Medium = 0.25 ft - 0.5 ft of flood depth
  - Low = < 0.25 ft of flood depth
- The Average flood depth was calculated as:

$$\text{Average Depth of Flood} = \frac{(0.12 \times l_1) + (0.35 \times l_2) + (0.75 \times l_3) + (1 \times l_4)}{L}$$

Where:

l_1 is the length of roadway with flood depth of 0.25 ft. or lower.

l_2 is the length of roadway with flood depth ranging from 0.25 ft. to 0.5 ft.

l_3 is the length of roadway with flood depth ranging from 0.5 ft. to 1.0 ft.

l_4 is the length of roadway with flood depth greater than 1.0 ft.

L representing the total length of roadway.

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SENSITIVITY ANALYSIS-STORM SURGE SCENARIO

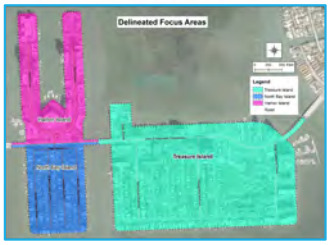
36

TASK 6 – IDENTIFICATION & RANKING OF FOCUS AREAS (TM 6)

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IDENTIFICATION & RANKING OF FOCUS AREAS

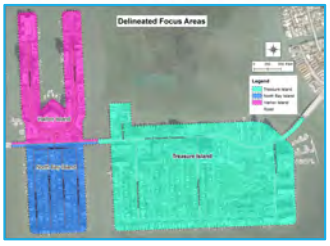
- Purpose:
  - ✓ Identify focus areas. Tentatively each Island will be a Focus Area:
    - ✓ Harbor Island
    - ✓ North Bay Island
    - ✓ Treasure Island.
  - ✓ Rank each Focus Area by establishing a Flood Protection Severity Score (FPSS)



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IDENTIFICATION & RANKING OF FOCUS AREAS

- Purpose:
  - ✓ Total number of assets within each delineated focus areas in the village:
    - ✓ Harbor Island = 22
    - ✓ North Bay Island = 19
    - ✓ Treasure Island = 37



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IDENTIFICATION & RANKING OF FOCUS AREAS

- ✓ Flood Protection Severity Score (FPSS) determined by first determining the Flood Score (S):

$$S = \sum_{i=1}^{n} (NA_i \times E_i) \times WF_i$$

  - ✓ NA_i is the number of assets not meeting the level of service
  - ✓ E_i is the assigned exceedance value based on the asset sensitivity level (low, medium, and high)
  - ✓ W_i is a weighting factor based
- ✓ The FPSS is then determined by dividing the Flood Scope by the Focus Area total area:

$$FPSS = \frac{\sum_{i=1}^{n} S_i}{\text{Area}}$$

Assigned Exceedance Values to Different Sensitivity Analysis Levels

Sensitivity Analysis	Exceedance Value (E)
Low	1
Medium	2
High	3

Assigned Weighting Factors to Asset Types

Asset Category	Asset Type	Weighted Factor (WF)
Critical Community Emergency Facilities	City Hall	10
	Future Community Center	8
	Health Care Facility	10
	School Building	7
	Future City Hall	10
	School Open Area	5
Transportation Assets and Evacuation Routes	Evacuation Route (Causeway)	5
	Primary Road	3
	Bus Route	2
	Bus Stops	1
Critical Infrastructure	Outfalls	7
	Sanitary Sewer Pump Stations	9
Natural, Cultural, and Historical Resources	Park	2

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IDENTIFICATION & RANKING OF FOCUS AREAS

✓ Focus Area Ranking Results:

Scenarios	Focus Area Name	FPVS	Rank
Mean of All Sea-Level Rise Scenarios	TI	496.5	1
	MI	290.9	2
	NSI	285.8	3
Mean of All Storm Surge Category 3	TI	600.0	1
	MI	561.0	2
	NSI	297.0	3
Mean of All Storm Surge Category 5	TI	600.0	1
	MI	561.0	2
	NSI	297.0	3



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TASK 7 – DEVELOPMENT OF ADAPTATION PLAN (TM 7)

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DEVELOPMENT OF ADAPTATION PLAN

- **Purpose:**
  - ✓ Develop planning-level adaptation and implementation strategies for vulnerable Focus areas, as defined in Task 6.
  - ✓ The planning area's impacts should be identified and assessed, goals and planning-level initiatives should be developed to minimize these impacts, and a process to implement these initiatives.
  - ✓ Analyze adaptive capacities, prioritize adaptation needs, identify adaptation strategies, and integrate actions into existing plans.
  - ✓ Develop an Adaptation Plan based on a planning-level effort (does not include conceptual design).
  - ✓ Provide recommendations on how to adapt to sea-level and groundwater rise, taking into consideration future studies to determine details, completion dates, cost estimates, and priorities for proposed adaptation projects

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TASK 8 – FINAL VULNERABILITY ASSESSMENT (VA) REPORT

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VULNERABILITY ASSESSMENT REPORT

- ✓ Develop a draft Vulnerability Assessment Report by combining all seven (7) technical memorandums
- ✓ Obtain comments from Village and Public
- ✓ Prepare the Final Vulnerability Assessment Report for submission to the Florida Department of Environmental Projection.

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QUESTIONS???

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Appendix D – Kick-Off Meeting with the Village

MINUTES FOR KICKOFF MEETING

Meeting Date: **March 22, 2023**
Location: **Virtual Meeting**
Project: **North Bay Village Vulnerability Assessment (VA)**
Subject: **Kickoff Meeting**

A virtual meeting was held with City staff to discuss the scope of work for the North Bay Village Vulnerability Assessment (VA) project. The meeting was conducted in accordance with the attached agenda. The following is a summary of the various items discussed:

- Mr. Vazquez explained the objectives of the Vulnerability Assessment and the required deliverables, which include:

Deliverable Task	Description
1	Task 1 – Data Collection & Gap Analysis (TM1)
2	Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement (TM2)
3	Task 3 – Critical Asset Inventory (TM3)
4	Task 4 – Exposure Analysis (TM4)
5	Task 5 – Sensitivity Analysis (TM5)
6	Task 6 – Identification & Ranking of Focus Areas (TM6)
7	Task 7 – Development of Adaptation Plan (TM7)
8	Task 8 – Final Vulnerability Assessment (VA) Report
9	Task 9 – Evaluation of Comprehensive Plan/Ordinances & Strategy Development

- Mr. Vazquez mentioned that the initial project schedule was developed with an approximate start date of April 3, 2023.

- Mrs. Deady confirmed that according to FS 380.093, the storm surge should be included in the analysis of the 100-year event for coastal communities. Mr. Vazquez states that storm surge modeling will not be performed for the areas in the Bay. Mr. Vazquez also stated that storm surge information available from NOAA or the Army Corp of Engineers would be used to assess storm surge impacts for the Village and that as part of the Exposure Analysis Task, we would need to determine if storm surge will be evaluated with and/or without rainfall.

- Mr. Vazquez explained that the purpose of the first public meeting for the Vulnerability Assessment is to get input from the public on the critical asset inventory and not to provide solutions to address current flooding problems.

- Mr. Vazquez provided a copy of the data that needs to be collected as part of Task 1 if applicable for the Village. Mr. Loban stated that he would review it and provide the information applicable to the Village. It was also discussed that for the critical infrastructure inventory, that specific government operations that are expected to relocate to new buildings should be included in the analysis.

- Ms. Streitfeld mentioned that Treasure Island could be divided into two areas for the analysis.

- Mr. Lobban discussed the potential roads that could be designated as evacuation routes. Mr. Vazquez agreed and added that the proposed routes could be marked in an aerial image, and BCC will convert them to GIS format.

- Ms. Streitfeld proposed that BCC provides a summarized version of the Vulnerability Assessment along with the main technical report. This summarized version would have a general language that can be used by North Bay Village for future presentations to agencies and the public. Mr. Vazquez stated that this would be incorporated as part of the Vulnerability Assessment Report Task.

- Mr. Vazquez stated that each task would include a technical memorandum that would be submitted to the Village for review and comment along with the applicable GIS data in the format requested by FDEP. The schedule includes 2 weeks for the Village to review the technical memorandum. Each technical memorandum will be a section in the draft Vulnerability Assessment Report. The Village comments will be incorporated as part of the Vulnerability Assessment Report.

- Mr. Vazquez presented the project schedule assuming an April 3rd notice to proceed. Based on this schedule, the project will be completed on or before April 12, 2024, which is well before the Grant Completion date of June 30, 2024.

Action Items:

1. BCC to provide the meeting minutes and data request to the City.

2. North Bay Village to review the data request file and provide feedback related to critical infrastructure that is not available in GIS format.

Meeting Participants:

- Delroy Peters – North Bay Village
- Marlon Lobban – North Bay Village
- Rachel Streitfeld – North Bay Village
- Ralph Rosado – North Bay Village
- Alec Bogdanoff - Brizaga
- Erin Craddock – Brizaga
- Erin Deady – Deady Law
- Alex Vazquez – BCC
- Jean Pierre Valle – BCC
- Mohammad Shokri – BCC

KICK-OFF MEETING AGENDA

Meeting Date: **March 22, 2023, 10:00 am**
Location: **Virtual Meeting**
Project: **North Bay Village – Vulnerability Assessment**
Subject: **Project Kick-Off Meeting**

I. Introduction

1. BCC Key Staff

BCC Engineering, LLC. (Prime Consultant)		
Role	**Name**	**Email**
Principal in Charge	Victor Herrera, PE	vherrera@bcceng.com
Project Manager	Alex Vazquez, PE, CFM	avazquez@bcceng.com
Stormwater Modeler/GIS	Jean Pierre Valle, EI	jpvalle@bcceng.com
Stormwater Modeler/GIS	Mohammad Shokri, PhD	mshokri@bcceng.com

2. BCC Sub-condultants

Brizaga		
Role	**Name**	**Email**
Principal in Charge	Alec Bogdanoff, Ph.D.	alec@brizaga.com
Project Manager	Erica Echeverri	eecheverri@brizaga.com
Public Outreach	Erin Craddock	ecraddock@brizaga.com

Deady Law		
Role	**Name**	**Email**
Principal in Charge	Erin L. Deady, PA	erin@deadylaw.com

3. Village Key Staff

North Bay Village (NBV)		
Role	**Name**	**Email**
Public Works Director	Marlon Lobban, PE	mlobban@nbvillage.com
CIP Director	Delroy Peters	DPeters@nbvillage.com
Commissioner	Rachel Streitfeld, PA	rstreitfeld@nbvillage.com
Manager	Ralph Rosado, PhD, AICP	rrosado@nbvillage.com

II. Scope of Work

1. Project Objectives:

- ❖ Conduct a Vulnerability Assessment (VA) to comprehensively determine the specific risks posed to the NBV in accordance with s. 380.093, F.S. and respective Resilient Florida (RF) grant program requirements.

- ❖ Assess future potential flooding conditions (Years 2040 and 2070) of critical infrastructure owned and maintained throughout the NBV caused by project increases in:
  - ✓ Sea Level Rise
  - ✓ Groundwater Rise
  - ✓ Rainfall Intensities

- ❖ Set goals and planning-level action items toward developing an Adaptation Plan to minimize risks.

- ❖ Assist the NBV with flood protection project grants.

- ❖ Evaluate Comprehensive Plan and Ordinances & Strategy Development

2. Project Scope of Work and Deliverables (9 Tasks)

Task 1 – Data Collection & Gap Analysis

- Request and collect readily available data from the NBV and other governmental agencies.
- Identify data gaps based on VA requirements outlined in s. 380.093, F.S.
- Prepare Data Catalog

Deliverable: Technical Memorandum No. 1

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement

- Kick-Off Meeting
- Bi-Monthly Progress Meetings (up to 6 meetings)
- Public Outreach Coordination & Stakeholder Engagement
  - o Public Meeting No.1: Obtain feedback from the public on data collection and critical asset inventory: to be performed after Task 1.
  - o Public Meeting No.2: Obtain feedback from the public on exposure analysis, sensitivity analysis, and draft Vulnerability Assessment: to be performed after Task 6.

Deliverable: Meeting Minutes, Pertinent Public Outreach Materials & Technical Memorandum No. 2 (Will be submitted with the DRAFT VA report due to the second meeting timing)

Task 3 – Critical Asset Inventory

- Prepare and/or update the inventory of critical and regionally significant assets
- Review critical facilities and create and/or update asset inventory in accordance with s. 380.093, F.S.
    - *Transportation and evacuation routes (i.e., bus terminals, bridges, etc.)*
    - *Critical infrastructure (i.e., wastewater treatment facilities, lift stations, stormwater pump stations, drinking water facilities, etc.)*
    - *Critical community and emergency facilities (i.e., schools, fire stations, hospitals, shelters, etc.)*
    - *Natural, cultural, and historical resources (i.e., shorelines, cultural assets, parks, etc.)*
- Prepare GIS files in accordance with Resilient Florida Planning Grants GIS Data and Metadata standards

  Deliverable: Technical Memorandum No. 3 & Critical Asset GIS Inventory/Database

Task 4 – Exposure Analysis

- Determine sea-level/groundwater rise values for the following scenarios:
    - 2040 conditions using NOAA's 2017 intermediate-low projection curve
    - 2040 conditions using NOAA's 2017 intermediate-high projection curve
    - 2070 conditions using NOAA's 2017 intermediate-low projection curve
    - 2070 conditions using NOAA's 2017 intermediate-high projection curve
- Using the latest SMFPMP H&H model, conduct exposure analysis to identify the depth of flooding for the following design storm events:
    - 5-Year 24-Hour
    - 10-Year 24-Hour
    - 25-Year 72-Hour
    - 50-year 72-hour
    - 100-Year 72-Hour
- Create inundation maps and develop applicable GIS files in accordance with s. 380.093, F.S. and Resilient Florida Planning Grants GIS Data and Metadata standards.

  Deliverable: Technical Memorandum No. 4, Inundation Maps & Pertinent GIS Files

Task 5 – Sensitivity Analysis

- Perform sensitivity analysis in accordance with guidelines set forth in s. 380.093, F.S.
- Measure the impact of flooding on critical assets using results of exposure analysis (i.e., depth of flooding for each scenario/design storm event)
- Prepare applicable GIS files in accordance with Resilient Florida Planning Grants GIS Data and Metadata standards.

Deliverable: Technical Memorandum No. 5 & Updated Critical Asset GIS Inventory/Database

Task 6 – Identification & Ranking of Focus Areas

- Identify and rank vulnerable areas of significant flooding to determine locations that require the development of adaptation strategies
- Follow the Flooding Problem Severity Score (FPSS) approach but modify per the critical infrastructure level of service), utilized in the SMFPMP for ranking and prioritizing vulnerable areas. Utilized sub-basins developed as part of the SMFPMP update.
  Deliverable: Technical Memorandum No. 6 & Pertinent GIS Files

Task 7 – Development of Adaptation Plan

- Identify and assess the impacts that are likely to affect the planning area, specifically the vulnerable focus areas determined in Task 6.
- Develop planning-level adaptation and implementation strategies for vulnerable focus areas to best minimize impacts.
  Deliverable: Technical Memorandum No. 7

Task 8 – Final Vulnerability Assessment (VA) Report

- Compile Technical Memorandums into a single DRAFT report per guidelines set forth in s. 380.093, F.S. DRAFT copy will incorporate NBV's comments/questions received for each technical memorandum.
- The DRAFT report will include an executive summary outlining key findings and recommendations.
- Will include executive summary outlining key findings and recommendations
- Comments and questions received on the DRAFT report are to be incorporated into the final VA report document.
  Deliverable: DRAFT/FINAL VA Report & Pertinent GIS Files

Task 9 – Evaluation of Comprehensive Plan/Ordinances & Strategy Development

- To perform strategy development for the VA report.
- Assist in the evaluation of the Village's existing Comprehensive Plan and Code of Ordinances in concert with the findings and recommendations of the Final VA report.
- Provide recommendations for policy development, upon review of the Comprehensive Plan and Code of Ordinances

Deliverable: One (1) PDF copy of the Technical Memorandum (T.M.) that summarizes the activities conducted as part of this task. Comments from the Village will be implemented in the pertinent sections of the draft vulnerability assessment report to be developed under Task 8.

III. Schedule

- One submittal for each technical memorandum
- Two (2) weeks for NBV review
- Comments to be incorporated in the Draft VA Report

1. Deliverable Schedule: (see attached project schedule)

NTP: Pending: Assuming April 3, 2023
Project Complete: April 12, 2024
Grant Completion Date: June 30, 2024

Deliverable Task	Description	Dates
1	Task 1 – Data Collection & Gap Analysis (TM1)	5/8/2023
2	Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement (TM2)	2/20/2024
3	Task 3 – Critical Asset Inventory (TM3)	7/4/2023
4	Task 4 – Exposure Analysis (TM4)	9/4/2023
5	Task 5 – Sensitivity Analysis (TM5)	10/23/2023
6	Task 6 – Identification & Ranking of Focus Areas (TM6)	12/4/2023
7	Task 7 – Development of Adaptation Plan (TM7)	2/12/2024
8	Task 8 – Final Vulnerability Assessment (VA) Report	4/12/2024
9	Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development	3/5/2024

IV. Invoicing

1. Monthly invoicing on a time and material basis

V. Action Items:

1.

2.

3.

4.

5.

6.

North Bay Village Data Request

A. Geospatial– (Preferably Shapefile or other geospatial formats)

1) Bus/Trolley (Community Bus System PDF available)
    a. Stops–Bus stops
    b. Shelter–Bus shelters
    c. Route – Bus routes
2) Rail Facilities
    a. Any railroad networks
3) Wastewater Treatment & Lift Stations (Miami-Dade County Water and Wastewater Services Annual Report Fiscal Year 2021 PDF Available)
    a. Sanitary sewer pump stations
    b. Onsite sewage treatment and disposal (OSTDS) commonly referred to as sewer septic systems
4) Drinking Water Facilities
    a. Drinking water facilities such as surface/ground water treatment plants
5) Military Installations
    a. Any military installations such as commands.
6) Communications Facilities
    a. Location of the communications facilities throughout the Village
7) Power Plants
    a. Location of the power plants throughout the Village
8) Disaster Recovery Centers
    a. Disaster recovery centers sites that have been assigned throughout the Village
9) Logistical Staging Areas
    a. Location of the logistical staging areas
10) Affordable Public Housing
    a. Any affordable public housing significant to the Village
11) Risk Shelter Inventory
    a. Risk shelter locations
12) Hurricane Shelter
    a. Hurricane shelter sites throughout the Village and significant to the local government
13) Health Facility
    a. Location of Community Mental Health Centers
    b. Location of Department of Health Centers
    c. Location of Village Health Facilities
14) Park Facility
    a. Location of all park facilities (Village, County, State or National)
15) Historical & Cultural Assets (Cultural Resources/Local Areas of Particular Concern- Historic Sites PDF available)
    a. Any Historic Sites such as Art Centers, Museums, Art Galleries significant to the Village, etc.

B. Planning & Survey

a. Most recent Existing and future landuse maps
b. Finished Floor Elevation (FFE)

Appendix E – Progress Meeting No. 1

PROGRESS MEETING NO. 1 - AGENDA

Meeting Date:	**April 28, 2023**
Location:	**Virtual Meeting**
Project:	**North Bay Village – Vulnerability Assessment**
Subject:	**Progress Meeting No. 1**

I. Prior Meetings

1. Project Kick-Off Meeting – March 22, 2023

II. Scope of Work

Task 1 – Data Collection & Gap Analysis **(Completed) – Submitted April 24, 2023**

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement

Started with the Kick-off meeting.

Task 3 – Critical Asset Inventory **(On-Going)**

Task 4 – Exposure Analysis **(To be started after Task 3)**

Task 5 – Sensitivity Analysis **(To be started after Task 4)**

Task 6 – Identification & Ranking of Focus Areas **(To be started after Task 5)**

Task 7 – Development of Adaptation Plan **(To be started after Task 6)**

Task 8 – Final Vulnerability Assessment (VA) Report **(To be started after Task 1)**

III. Current Progress

Task 1 – Data Collection & Gap Analysis

- Reviewed background data needs in accordance with s. 380.093, F.S., including critical/regionally significant assets, topographic data, and flood scenario-related data.
- Collected readily available data, primarily in the form of GIS shapefiles, from various governmental agencies, including federal, state, and county entities.
- Provided data requests to the Village to identify and collect available information regarding applicable critical asset categories/types that are owned/maintained by the Village. Requested information on any existing critical infrastructure/asset database that the Village maintains.
- Developed data catalog to summarize all collected and reviewed information.
- Submitted Technical Memorandum No. 1 – Data Collection & Gap Analysis to Village on April 24, 2023

- BCC to send TM 1 and GIS data to Delroy to submit to FDEP after comments are incorporated

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement

- Kick-off meeting held March 22, 2023
- Progress Meeting No. 1 held today – April 28, 2023

IV. Next Steps

Task 3 – Critical Asset Inventory

- Prepare an inventory of critical and regionally significant assets based on the findings of the gap analysis and stakeholder engagement coordination.
- Need buy-in from the Village.
- TM 3 - Critical Asset Inventory on or before May 26th
- Progress Meeting No 2 after TM 3 submittal.

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement

- Plan the initial public outreach meeting after TM 3 – Tentative Public Meeting 1 sometime in June
- Incorporate TM2 with the Draft VA Report.

V. Schedule

Final VA: November 23, 2023
Grant Completion Date: June 30, 2024

Deliverable Task	Description	Submittal Date
~~1~~	~~Task 1 – Data Collection & Gap Analysis (TM1)~~	~~4/28/2023~~
2	Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement (TM2)	11/23/2023
3	Task 3 – Critical Asset Inventory (TM3)	5/26/2023
4	Task 4 – Exposure Analysis (TM4)	7/27/2023
5	Task 5 – Sensitivity Analysis (TM5)	8/17/2023
6	Task 6 – Identification & Ranking of Focus Areas (TM6)	9/28/2023
7	Task 7 – Development of Adaptation Plan (TM7)	11/9/2023
8	Task 8 – Final Vulnerability Assessment (VA) Report	11/23/2023
9	Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development	10/17/2023

VI. Action Items:

1.

2.

3.

4.

5.

MINUTES FOR PROGRESS MEETING

Meeting Date:	**April 28, 2023**
Location:	**Virtual Meeting**
Project:	**North Bay Village Vulnerability Assessment (VA)**
Subject:	**Progress Meeting No. 1**

Progress Meeting No 1 was a virtual meeting held with Village staff to discuss Technical Memorandum 1 and the critical infrastructure for the North Bay Village Vulnerability Assessment project in accordance with the attached agenda. The following is a summary of the various items discussed:

- Mr. Vazquez reviewed the topics discussed in the project kick-off meeting held on March 22, 2023, and explained the scope of work.

- The requirements for the first task, Data Collection & Gap Analysis, were presented and followed by a discussion of the findings in the document sent to the Village. Requirements for this task included a review of available geospatial datasets for village infrastructure, requesting the Village the available geospatial database that they maintain for relevant assets, development of a data catalog, and submitting a Technical Memorandum.

- Mr. Vazquez explained the purpose of the first public meeting and mentioned it should be held after the submittal of Technical Memorandum 3. Based on the current schedule it will be coordinated for June.

- The Village staff mentioned the importance of including the storm surge in the flood depth analysis combined with the projected future conditions.

- The Village will provide feedback on Technical Memorandum 1 and the critical assets maps.

- The timeline of the project will stay as originally proposed but will be monitored for any possible changes.

Action Items:

1. BCC to provide Village staff with critical infrastructure maps for each island on May 1, 2023.
2. Village staff will provide comments on TM 1. BCC will incorporate these comments and provide an updated version of the document along with the required GIS database for FDEP submittal.
3. The Village is to provide comments on the critical infrastructure maps.
4. BCC to provide to the Village TM 3 for review and comments within 1 week after receiving comments on the critical infrastructure.
5. Village staff will coordinate to determine the venue of Public Meeting No 1, tentatively to be scheduled in June.

Meeting Participants:

- Carlos Llamas – North Bay Village
- Delroy Peters – North Bay Village
- Marlon Lobban – North Bay Village
- Alex Vazquez – BCC
- Jean Pierre Valle – BCC

Appendix F – Progress Meeting No. 2

PROGRESS MEETING NO. 2 - AGENDA

Meeting Date:	**June 7, 2023**
Location:	**Virtual Meeting**
Project:	**North Bay Village – Vulnerability Assessment**
Subject:	**Progress Meeting No. 2**

I. Prior Meetings

1. Project Kick-Off Meeting – March 22, 2023
2. Progress Meeting No.1 – April 28, 2023

II. Scope of Work

Task 1 – Data Collection & Gap Analysis **(Completed) – Submitted April 24, 2023**

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

Task 3 – Critical Asset Inventory **(Completed, pending Village comments)**

Task 4 – Exposure Analysis **(Ongoing)**

Task 5 – Sensitivity Analysis **(To be started after Task 4)**

Task 6 – Identification & Ranking of Focus Areas **(To be started after Task 5)**

Task 7 – Development of Adaptation Plan **(To be started after Task 6)**

Task 8 – Final Vulnerability Assessment (VA) Report **(Ongoing)**

III. Current Progress

Task 1 – Data Collection & Gap Analysis

- Reviewed background data needs in accordance with s. 380.093, F.S., including critical/regionally significant assets, topographic data, and flood scenario-related data.
- Collected readily available data, primarily in the form of GIS shapefiles, from various governmental agencies, including federal, state, and county entities.
- Provided data requests to the Village to identify and collect available information regarding applicable critical asset categories/types that are owned/maintained by the Village. Requested information on any existing critical infrastructure/asset database that the Village maintains.
- Developed data catalog to summarize all collected and reviewed information.
- Submitted Technical Memorandum No. 1 – Data Collection & Gap Analysis to Village on April 24, 2023 for comments.

- BCC sent the final version of TM 1 to Delroy Peters on May 24, 2023.

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement

- Kick-off meeting held March 22, 2023
- Progress Meeting No. 1 held April 28, 2023
- Progress Meeting No. 2 held today- June 7, 2023

Task 3 – Critical Asset Inventory

- Prepare an inventory of critical and regionally significant assets based on the findings of the gap analysis and stakeholder engagement coordination.
- Received feedback from the city related to the critical infrastructure locations and the storm surge analysis.
- Submitted Technical Memorandum No. 3 – Critical Asset Inventory on May 25, 2023.
- BCC will send the final version of TM3 and the corresponding GIS data to Delroy Peters to submit to FDEP after incorporating comments.

IV. Next Steps

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement

- Public Meeting No. 1 to be scheduled for July 11, 2023

Task 4 – Exposure Analysis

- Develop ICPR4 models and perform the exposure analysis to determine the depth of the water caused by rainfall and tidal-induced flooding for the four (4) design storm events using different sea-level/groundwater rise scenarios.
- Need to obtain consensus on storm surge analysis approach.
- Submit TM4 with the findings and associated flooding extent maps – due July 27, 2023

V. Schedule

Final VA: November 23, 2023
Grant Completion Date: June 30, 2024

Deliverable Task	Description	Submittal Date
~~1~~	~~Task 1 – Data Collection & Gap Analysis (TM1)~~	~~4/28/2023~~
2	Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement (TM2)	11/23/2023
~~3~~	~~Task 3 – Critical Asset Inventory (TM3)~~	~~5/26/2023~~
4	Task 4 – Exposure Analysis (TM4)	7/27/2023
5	Task 5 – Sensitivity Analysis (TM5)	8/17/2023
6	Task 6 – Identification & Ranking of Focus Areas (TM6)	9/28/2023
7	Task 7 – Development of Adaptation Plan (TM7)	11/9/2023
8	Task 8 – Final Vulnerability Assessment (VA) Report	11/23/2023
9	Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development	10/17/2023

VI. Action Items:

1.

2.

3.

4.

5.

MINUTES FOR PROGRESS MEETING

Meeting Date:	**June 7, 2023**
Location:	**Virtual Meeting**
Project:	**North Bay Village Vulnerability Assessment (VA)**
Subject:	**Progress Meeting No. 2**

Progress Meeting No. 2 was a virtual meeting held with Village staff to discuss Technical Memorandum 3 for the North Bay Village Vulnerability Assessment project in accordance with the attached agenda. The following is a summary of the various items discussed:

- Mr. Vazquez reviewed the topics discussed in Progress Meeting No. 1 held April 28, 2023 where the Data Collection & Gap Analysis was presented.

- The requirements for the third task, Critical Asset Inventory, were discussed followed by a summary of the findings in the document sent to the Village. Requirements for this task included the development of an inventory of critical and regional significant assets based on the findings of the gap analysis and stakeholder engagement coordination. The findings are submitted to the Village in Technical Memorandum No. 3 along with the corresponding GIS database for FDEP submittal.

- Commissioner Streitfeld mentioned the importance of including SR934/Kennedy Causeway in the critical asset inventory and model. Even though this road is owned by FDOT, it's an evacuation road for the Village and the connection to the mainland.

- The Level of Service was discussed by Mr. Vazquez along with the typical designations used for critical assets.

- The methodology for including the storm surge analysis in future modeling scenarios was reviewed. Mr. Vazquez suggested that a storm event that could be considered for the Village would be Hurricane Ian. The trajectory of this event followed the critical path for the Village.

- The Village Staff made the following recommendations for the Critical Assets Maps:

    - Create one map per island and include all assets
    - Identify the location of the future City Hall
    - Add all schools within North Bay Village
    - Add the Future North Bay Community Center

Action Items:

1. Village Staff to provide any additional comments on TM 3. BCC will incorporate these comments and provide an updated version of the document along with the required GIS database for FDEP submittal.

2. Mr. Vazquez to coordinate a meeting with Erin Deady for input related to the storm surge modeling and inclusion of the Kennedy Causeway to the critical asset inventory.

Meeting Participants:

- Delroy Peters – North Bay Village
- Marlon Lobban – North Bay Village
- Rachel Streitfeld – North Bay Village
- Ralph Rosado – North Bay Village
- Alex Vazquez – BCC
- Jean Pierre Valle – BCC
- Mohammad Shokri – BCC

Appendix G – Sustainability and Resilience Task Force Meeting

NORTH BAY VILLAGE

NORTH BAY VILLAGE
SUSTAINABILITY AND RESILIENCE TASK FORCE
MEETING ON ZOOM
Tuesday, July 25, 2023 - 6:30pm

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1. Meeting was called to order by Denise O'Brien at 6:32pm.

   Board Members Present: All present for meeting.
   Denise O'Brien Chair
   Alisha Graham, Vice Chair
   Neil Krasner
   Julia Stutts, Secretary
   Brenda Krebs

   Village Staff Present
   Commissioner Rachel Streitfeld
   Marlon Lobban- Public Works Director
   Delroy Peters - NBV Engineer

   Guests and Members of Public
   Alex Vazquez- BCC Engineering
   Kelsey - Resident

2. Approval of Minutes:
   a. June 27, 2023, meeting minutes -no changes, Brenda made motion to approve, Alisha seconded. All approve.

3. Music in Park event, end of September.
   a. Alisha says the "Pollinator" component is all set and good for event.
   b. Julia has to put "Plant Swap" on hold for another time, has to miss event.
   c. Denise - Recycling table, with game to promote proper recycling info. Will look into adding. Rachel added that a recycle event happened a couple months ago.

4. Vulnerability Assessment - Alex Vazquez -(Project Manager) BCC Engineering
   a. (Commissioner Streitfeld)- Town Hall was organized for this vulnerability study, which was poorly attended. Presentation is repeated for task force.
   b. FDEP Grant for this vulnerability assessment required public input.

c. Nine tasks set toward looking at critical assets owned by the City (NBV), and how it is impacted by flooding due to sea level, groundwater rise, increased rainfall intensities and storm surge. Looking ahead to 2040 and 2070.

1. Data Collection and Analysis - Much of the data was collected previously by the Stormwater Master Plan, and being used here. Data is solely looking at current infrastructure. Also used current field study.
2. Project Coordination and Public Outreach - Providing info to the Village, Public. Sharing data collected at public meetings, with a presentation at a commission meeting soon, with ongoing outreach.
3. Critical Asset Inventory - Include the evacuation route (causeway)and roads that lead to evacuation route, critical infrastructure, community facilities, and natural, cultural or historical places. Looking at both current and future assets.
4. Exposure Analysis - Looks at each asset and how flooding affects them. Using 2017 NOAA projections which is what FDEP required. Using Storm Surge prediction from NOAA for Cat.1 and Cat.5 storms, looking at all variables. Surge and rainfall and worst case scenarios. Will be developing flood maps for all these.
5. Sensitivity Analysis - Each Critical Asset gets studied for above scenarios, to see the range of impact.
6. Identification and Ranking of Focus Areas - Not defined by FDEP, but looking to rank flood areas and focus by each island. Evacuation route will probably have highest rating. Taking an average of findings.
7. Development of Adaptation Plan - Looking at strategies. Looking into the future and implementing future building plans.
8. Final Vulnerability Assessment (VA) Report - Will be very similar to the Stormwater Master Plan. Public will have another chance to make recommendations before final report.
9. Evaluation of Comprehensive Plan, Strategy Development.

d. Denise - The NBV Commission has put in place for our protection in the future, this kind of work is at the basis of our resiliency.

e. Neil - As we are aware, Black and Veatch is the firm that has been picked to oversee our Stormwater Master plan, how are you coordinating with this project? Alex- The program manager is primarily looking at local flooding for five year plan, the program manager will be coordinating the Capital improvement plan with the Stormwater plan and the vulnerability study is separate.

f. Marlon - Florida is looking to where critical work is needed regarding floods. The program manager is augmented staff to work within the village. The Vulnerability Study helps us to get funding.

g. Alisha - for Task 2 - what kind of data are you looking for with your outreach?

1. Alex - making sure we are not missing any data. We looked at everything, so feel we got everything. Critical Assets - looking for public input.

h. Denise - I thought we had agreed on getting a tide gauge, through research on for the Stormwater plan? Do have access to data closer than Virginia Key?

1. Rachel - We have not done anything to implement getting as a tide gauge here. I will look into contacting Albert Gomez at FIU and see if they want to partner with us.
2. Alex - Even if it had been here for the last year, there wouldn't be enough data to make a large picture of the averages.
3. Denise - It becomes more meaningful the longer the equipment is there. But we need to start somewhere. Alex agrees. maybe look at rainfall gauges as well.

i. Denise- Critical assets - Is our coastal line critical asset? This conversation was to express our seawall as critical. Rachel makes comments that are reacting to actual coast, (2.2 miles away) not the seawalls around our Village.
1. Rachel - adds - We have submitted a grant request for a vulnerability study of just our seawalls. I do not know where we stand on this. Denise - This is an aspect that needs to be protected.
2. Rachel - Mostly they are privately owned, but I did request a supplemental grant for this.
3. Alex - Seawalls are not mentioned in the FDEP paperwork. Rachel - Correct, this wasn't in this study guidelines. Map speaks for itself.

j. Denise - Data here is current conditions? Alex - when we charted on the the Masterplan, it uses a different projection curve. the Vulnerability is based on current info,

k. Julia - We don't look at the utilities that come though our islands? electrical? Alex- Not underground, but we are looking at the sanitary pump stations.

l. Denise- thank you Alex, for coming here and explaining this to us. This is not a typical study and we don't really know how FDEP is going to use our study. Tries to hold true to what the NBV infrastructure is.

5. Turbines- Neil Krasner - Sent everyone the website about the tulip turbines. flowerturbines.com

a. Neil- With new Town Hall we want to have as close to net zero as possible. Our Task Force is leading in ideas for the future of city hall.
b. Mostly used best with other forms of renewable energy. Mostly roof top.
c. Very colorful and aesthetically pleasing.
d. These are good for all different times of day (unlike solar) and can change directions. Spin with a lower wind.
e. Variable sizes. Large ones can generate a lot of energy, as can a cluster of small ones. Pole mounted along with solar set up can charge e-bikes.
f. These are bird friendly.
g. Denise - would like to see this presented to the architects, supports this proposal. Denise- not only useful, but artistic.
h. Island Walk -Denise- not only useful, but artistic. Each building could have tulips for extra power for lighting. Can become part of our identity.
i. Don't know the costs or when they would break even.
j. Rachel - Tulip turbines at Village Hall - The fact that SRTF has contributed most from throughout the village. We need to have a complete

google doc that gets passed around through our group and sent on in September to the Architects. A Green-Wish list for this project. This list was created previously by Denise. This needs to all go together at once. Go through notes from prior meetings and transfer notes to Genesis. For City Hall, rooftop option is good.
k. Rachel- As far as Island Walk is concerned, the commission would need to vote. Is open for a new discussion that all lighting can be alternative energy. September is going to be a really long meeting, so can leave to next meeting. in meantime, look for alternative energy advocacy groups that can help us.
l. Rachel - had a very serious meeting about the village hall - we still have an $8.8million shortfall for this project. Denise - lets look for grants. The new Royal palms are from FDOT! Don't know how the utilities will work on island walk.

6. UPDATE - Rachel Streitfeld- Ecopod removed from City Hall.
Servicing the pod on monthly basis wasn't worth the use for the company. Denise adds that in the future we hope to have a walkable city center where this can thrive.

7. UPDATE- Inlet filters - Marlon and Neil - same as last month update.
3D cameras/ scanners are working well and now it should be November for completion of new filters. The cameras are working great after dark, and NBI is in process.

8. New Business - ECOBINS - Alisha - Has a meeting soon, with recycling bin, as well as disposal of cigarettes. the company services them. Advertising on the bins, could be for gas stations. Rachel - not sure how people feel about trash receptacles that run ads.

9. Public Comment - Kelsey Rumberg- Suggestion - The Rounds, similar to Ecopod. Expanding in Miami.

10. Opening of New Restaurant - Neil, updating, Oesteria where the old Oggi's was. Opening soon.

11. Next Meeting: August meeting (August 22, 2023), All task force members will be here.

12. Adjournment:
The motion to adjourn was made by: Neil Krasner
and seconded by Brenda Krebs.

Meeting adjourned at: 8:12pm

Prepared by Secretary: Julia Stutts
This 7th day of August, 2023.

Appendix H1 – Progress Meeting No. 3

PROGRESS MEETING NO. 3 - AGENDA

Meeting Date:	**August 23, 2023, at 4 PM**
Location:	**Virtual Meeting**
Project:	**North Bay Village – Vulnerability Assessment**
Subject:	**Progress Meeting No. 3**

II. Prior Meetings

1. Project Kick-Off Meeting – March 22, 2023
2. Progress Meeting No. 1 – April 28, 2023
3. Progress Meeting No. 2 – June 7, 2023

III. Scope of Work

Task 1 – Data Collection & Gap Analysis **(Completed) – Submitted April 24, 2023**

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

Public Meeting No. 1 (to Public) - July 11, 2023

Public Meeting No. 1 (to Resiliency Task Force) - July 25, 2023

Task 3 – Critical Asset Inventory **(Completed) –Submitted June 16, 2023**

Task 4 – Exposure Analysis **(Completed, Submitted Aug 18, 2023, and Pending Village Comments)**

Task 5 – Sensitivity Analysis **(Ongoing)**

Task 6 – Identification & Ranking of Focus Areas **(To be started after Task 5)**

Task 7 – Development of Adaptation Plan **(To be started after Task 6)**

Task 8 – Final Vulnerability Assessment (VA) Report **(Ongoing)**

IV. Current Progress

Task 1 – Data Collection & Gap Analysis **(Completed) – Submitted April 24, 2023**

- Reviewed background data needs in accordance with s. 380.093, F.S., including critical/regionally significant assets, topographic data, and flood scenario-related data.
- Collected readily available data, primarily in the form of GIS shapefiles, from various governmental agencies, including federal, state, and county entities.
- Provided data requests to the Village to identify and collect available information regarding applicable critical asset categories/types that are owned/maintained by the Village. Requested information on any existing critical infrastructure/asset database that the Village maintains.
- Developed data catalog to summarize all collected and reviewed information.
- Submitted Technical Memorandum No. 1 – Data Collection & Gap Analysis to Village on April 24, 2023, for comments.
- BCC sent the final version of TM 1 to Delroy Peters on May 24, 2023.

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

- Public Meeting No. 1 held July 11, 2023

Task 3 – Critical Asset Inventory **(Completed) –Submitted June 16, 2023**

- Prepare an inventory of critical and regionally significant assets based on the findings of the gap analysis and stakeholder engagement coordination.
- Received feedback from the city related to the critical infrastructure locations and the storm surge analysis.
- Submitted Technical Memorandum No. 3 – Critical Asset Inventory on May 25, 2023.
- BCC will send the final version of TM3 and the corresponding GIS data to Delroy Peters to submit to FDEP after incorporating comments.

Task 4 – Exposure Analysis **(Completed) Submitted Aug 18, 2023**

- Develop ICPR4 models and perform exposure analysis to determine the depth of the water caused by rainfall and tidal-induced flooding for the four (4) design storm events using different sea-level/groundwater rise scenarios.
- Need to obtain consensus on storm surge analysis approach.
- Submitted TM 4 with the findings and associated flooding extent maps – August 18, 2023

V. Next Steps

Task 5 – Sensitivity Analysis **(Ongoing)**

- Perform a sensitivity analysis in accordance with the guidelines outlined in F.S. 380.093.
- Evaluate the impact of flooding on assets by applying the data/results from the exposure analysis to the critical asset inventory created in Task 3.
- Prepare applicable GIS shapefiles in accordance with the GIS Data and Metadata standards for Resilient Florida Planning Grants.
- Finish floor elevation of current City Hall.

VI. Schedule

Final VA: December 19, 2023
Grant Completion Date: June 30, 2024

Deliverable Task	Description	Submittal Date
~~1~~	~~Task 1 – Data Collection & Gap Analysis (TM1)~~	~~4/28/2023~~
2	Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement (TM2)	11/23/2023
~~3~~	~~Task 3 – Critical Asset Inventory (TM3)~~	~~5/26/2023~~
~~4~~	~~Task 4 – Exposure Analysis (TM4)~~	~~7/27/2023~~
5	Task 5 – Sensitivity Analysis (TM5)	9/19/2023
6	Task 6 – Identification & Ranking of Focus Areas (TM6)	10/24/2023
7	Task 7 – Development of Adaptation Plan (TM7)	11/21/2023
8	Task 8 – Final Vulnerability Assessment (VA) Report	12/19/2023
9	Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development	11/21/2023

VII. Action Items:

1. Village to provide comments for TM 4
2. BCC to provide Sensitivity Analysis tables to obtain input on approach
3. Village to provide comments on the Sensitivity Analysis tables and approach
4.
5.

MINUTES FOR PROGRESS MEETING NO. 3

Meeting Date:	**August 23, 2023**
Location:	**Virtual Meeting**
Project:	**North Bay Village Vulnerability Assessment (VA)**
Subject:	**Progress Meeting No. 3**

A virtual meeting was held with Village staff to provide an update on the progress of the North Bay Village Vulnerability Assessment project (*see attached call-in sheet*).

The following is a summary of the various item discussed:

- Mr. Vazquez proceeded to share his screen, displaying the agenda (please refer to the attached copy of the agenda). He highlighted that this agenda had been previously submitted to the Village earlier in the week. He emphasized that the primary goal of the meeting was to offer a comprehensive project update, along with a presentation of the most recent task results. Specifically, these results pertained to Task 4, involving the conduction of exposure analysis.
- Mr. Vazquez continued by noting the previous kick-off meetings, project progress meeting no. 1, and project progress meeting no. 2, and completed tasks to date, and current ongoing tasks.
- Mr. Vazquez provided the scope of work for the vulnerability assessment and different defined tasks and added to the discussion by mentioning key components of vulnerability assessment (VA) and went over the VA tasks, including Task 4 and Task 5, and emphasized limited specific guidance from the FDEP on the tasks.
- Mr. Vazquez provided an overview of Task 4, exposure analysis, and its four (4) SLR, GW level rise, and rainfall increases including 2040 intermediate-low, 2040 intermediate-high, 2070 intermediate-low, 2070 intermediate-high. He then went over the compound storm surge scenarios including Category 1 and Category 5 storm surges.
- Mr. Vazquez screen-shared a link from the National Hurricane Center Storm Surge Risk website, using it to exemplify the flood depths experienced in the NBV islands amidst Category 5 storm surge conditions. Subsequently, he elucidated the methodology employed to utilize the data derived from Ian storm surge distribution records. This was undertaken to enhance the accuracy of the tidal boundary conditions within the models utilized for the storm surge scenarios. To illustrate, he shared a pertinent figure depicting the 2040 intermediate-low scenario.
- Mr. Vazquez provided a comprehensive presentation, showcasing tables containing exposure analysis maps and appendix files available for viewing. He illustrated this with examples, effectively demonstrating the fluctuations in flood depths across various storm events and return periods.

- Continuing on, Mr. Vazquez proceeded to offer a comprehensive overview of Task 5, which pertained to sensitivity analysis. This involved assessing the degree of sensitivity exhibited by critical assets through the utilization of exposure analysis outcomes. The evaluation process was structured around specifically designed Level of Service (LOS) storm events.
- Mr. Vazquez presented three distinct tables that succinctly summarized various asset types and the corresponding procedures for conducting sensitivity analysis. Subsequently, he went over some examples of how the sensitivity analysis will be done and emphasized of no clear guidance from the FDEP with regards to the analysis. He also mentioned his intention to send the three tables, along with the exposure analysis appendix files, to the Village. This proactive step was aimed at offering and receiving guidance on the sensitivity analysis procedure.
- The village needs to make a commission to inspect the proposed LOS and procedure for conducting sensitivity analysis.

Meeting participants included:

Mr. Marlon Lobban – North Bay Village
Mr. Delroy Peters – North Bay Village
Mr. Alex Vazquez – BCC Engineering
Mr. Mohammad Shokri – BCC Engineering

Action Items:

1. BCC is to send the proposed tables of the assets and LOS for the sensitivity analysis along with the appendix files of the conducted exposure analysis to the Village.
2. Village should make a commission to inspect the proposed LOS and procedure for conducting sensitivity analysis, no later than Aug 30, 2023.

Appendix H2 – Progress Meeting No. 4

PROGRESS MEETING NO. 4 - AGENDA

Meeting Date:	**August 26, 2023, at 3:30 PM**
Location:	**Virtual Meeting**
Project:	**North Bay Village – Vulnerability Assessment**
Subject:	**Progress Meeting No. 4**

II. Prior Progress Meetings

1. Project Kick-Off Meeting – March 22, 2023
2. Progress Meeting No. 1 – April 28, 2023
3. Progress Meeting No. 2 – June 7, 2023
4. Progress Meeting No. 3 – August 23, 2023

III. Scope of Work

Task 1 – Data Collection & Gap Analysis **(Completed) – Submitted April 24, 2023**

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

Public Meeting No. 1 (to Public) - July 11, 2023

Public Meeting No. 1 (to Resiliency Task Force) - July 25, 2023

Public Meeting No. 2 scheduled for November 6, 2023 - Virtually

Task 3 – Critical Asset Inventory **(Completed) – Submitted June 16, 2023**

Task 4 – Exposure Analysis **(Completed) – Submitted Aug 18, 2023**

Task 5 – Sensitivity Analysis **(Completed) - Submitted Oct 12, 2023, and Pending Village Comments**

Task 6 – Identification & Ranking of Focus Areas **(Completed) - Submitted Oct 24, 2023, and Pending Village Comments**

Task 7 – Development of Adaptation Plan **(Ongoing)**

Task 8 – Final Vulnerability Assessment (VA) Report **(Ongoing)**

Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development **(Ongoing)**

IV. Current Progress

Task 1 – Data Collection & Gap Analysis **(Completed) – Submitted April 24, 2023**

- Reviewed background data needs in accordance with s. 380.093, F.S., including critical/regionally significant assets, topographic data, and flood scenario-related data.
- Collected readily available data, primarily in the form of GIS shapefiles, from various governmental agencies, including federal, state, and county entities.
- Provided data requests to the Village to identify and collect available information regarding applicable critical asset categories/types that are owned/maintained by the Village. Requested information on any existing critical infrastructure/asset database that the Village maintains.
- Developed data catalog to summarize all collected and reviewed information.
- Submitted Technical Memorandum No. 1 – Data Collection & Gap Analysis to Village on April 24, 2023, for comments.
- BCC sent the final version of TM 1 to Delroy Peters on May 24, 2023.

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

- Public Meeting No. 1 held July 11, 2023

Task 3 – Critical Asset Inventory **(Completed) – Submitted June 16, 2023**

- Prepare an inventory of critical and regionally significant assets based on the findings of the gap analysis and stakeholder engagement coordination.
- Received feedback from the city related to the critical infrastructure locations and the storm surge analysis.
- Submitted Technical Memorandum No. 3 – Critical Asset Inventory on May 25, 2023.
- BCC will send the final version of TM3 and the corresponding GIS data to Delroy Peters to submit to FDEP after incorporating comments.

Task 4 – Exposure Analysis **(Completed) - Submitted Aug 18, 2023**

- Develop ICPR4 models and perform exposure analysis to determine the depth of the water caused by rainfall and tidal-induced flooding for the four (4) design storm events using different sea-level/groundwater rise scenarios.
- Need to obtain consensus on storm surge analysis approach.
- Submitted TM 4 with the findings and associated flooding extent maps – August 18, 2023

Task 5 – Sensitivity Analysis **(Completed) – Submitted Oct 12, 2023**

- Perform a sensitivity analysis in accordance with the guidelines outlined in F.S. 380.093.
- Evaluate the impact of flooding on assets by applying the data/results from the exposure analysis to the critical asset inventory created in Task 3.
- Prepare applicable GIS shapefiles in accordance with the GIS Data and Metadata standards for Resilient Florida Planning Grants.
- Finish floor elevation of current City Hall.

Task 6 – Identification & Ranking of Focus Areas **(Completed) – Submitted Oct 24, 2023**

- Identifying and ranking vulnerable areas of significant flooding in order to determine which areas require the development of adaptation strategies.

V. Next Steps

Task 7 – Development of Adaptation Plan **(Ongoing)**

- Identify and assess the impacts that are likely to affect the planning area, specifically the vulnerable focus areas determined in Task 6.
- Develop planning-level adaptation and implementation strategies for vulnerable focus areas to minimize impacts.

Task 8 – Final Vulnerability Assessment (VA) Report **(Ongoing)**

- Finish compiling Technical Memorandums into a single DRAFT report per guidelines set forth in s. 380.093, F.S. DRAFT copy will incorporate NBV's comments/questions received for each technical memorandum.
- The DRAFT report will include an executive summary outlining key findings and recommendations.
- Will include an executive summary outlining key findings and recommendations.
- Comments and questions received on the DRAFT report are to be incorporated into the final VA report document.

Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development **(Ongoing)**

- Meeting with Erin Deady on October 17 to discuss task kick-off.
- BCC provided all completed TMs to date.
- Erin to start compiling the required information and will provide a completion schedule.

VI. Schedule

Final VA: December 19, 2023
Grant Completion Date: June 30, 2024

Deliverable Task	Description	Submittal Date
~~1~~	~~Task 1 – Data Collection & Gap Analysis (TM1)~~	~~4/28/2023~~
2	Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement (TM2)	11/30/2023
~~3~~	~~Task 3 – Critical Asset Inventory (TM3)~~	~~5/26/2023~~
~~4~~	~~Task 4 – Exposure Analysis (TM4)~~	~~7/27/2023~~
~~5~~	~~Task 5 – Sensitivity Analysis (TM5)~~	~~10/12/2023~~
~~6~~	~~Task 6 – Identification & Ranking of Focus Areas (TM6)~~	~~10/24/2023~~
7	Task 7 – Development of Adaptation Plan (TM7)	11/21/2023
8	Task 8 – Final Vulnerability Assessment (VA) Report	12/19/2023
9	Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development	11/21/2023

VII. Action Items:

1. Village to provide comments for TM 5 and 6
2.
3.
4.
5.

MINUTES FOR PROGRESS MEETING NO. 4

Meeting Date:	**Oct 26, 2023**
Location:	**Virtual Meeting**
Project:	**North Bay Village Vulnerability Assessment (VA)**
Subject:	**Progress Meeting No. 4**

A virtual meeting was held with Village staff to provide an update on the progress of the North Bay Village Vulnerability Assessment project (*see attached call-in sheet*).

The following is a summary of the various item discussed:

- Mr. Vazquez proceeded to share his screen, displaying the agenda (please refer to the attached copy of the agenda). He emphasized that the primary goal of the meeting was to offer a comprehensive project update, along with a presentation of the most recent task results. Specifically, these results pertained to conducted Task 5 (Sensitivity Analysis) and Task 6 (Identification and Ranking of Focus Areas).
- Mr. Vazquez continued by noting the previous kick-off meetings, project progress meeting no. 1, no. 2, and no. 3, as well as completed tasks to date, and current ongoing tasks. He also emphasized limited specific guidance from the FDEP on the tasks.
- Mr. Vazquez provided the scope of work for the vulnerability assessment and different defined tasks and added to the discussion by mentioning key components of vulnerability assessment (VA) and went over the latest completed VA tasks.
- Mr. Vazquez provided an overview of Task 5, sensitivity analysis, and the defined design storm event Level of Service (LOS) for Sea-level Rise scenarios including four (4) planning horizons of 2040 intermediate-low, 2040 intermediate-high, 2070 intermediate-low, 2070 intermediate-high. He then went over the compound storm surge scenarios including Category 1 and Category 5 storm surge conditions.
- Mr. Vazquez shared his screen, displaying Appendix A, which highlighted the variations in flood map depths under storm surge conditions with and without rainfall for both Category 1 and Category 5 scenarios. This presentation effectively demonstrated that the differences were negligible. Consequently, it was determined that storm events without rainfall would be used for the sensitivity analysis of storm surge conditions.
- Continuing, Mr. Vazquez proceeded to provide a comprehensive overview of the sensitivity analysis results, which entailed assessing the level of sensitivity observed among critical assets. The majority of these assets exhibited high sensitivity, indicated by a red color scheme. He illustrated the sensitivity analysis for various elements, including buildings/structures, evacuation routes, primary roads, bus routes and stops, outfalls, sanitary sewer pump stations, and parks.

- Mr. Vazquez provided several examples illustrating the execution of the sensitivity analysis, underlining the absence of clear guidance from the FDEP in this regard. He also informed that the BCC had already transmitted the LOS tables to the Village, which were subsequently reviewed and verified by the Village staff for the analysis.
- Continuing the presentation, Mr. Vazquez screen-shared the completed Task 6 report, which focused on the Identification and Ranking of Focus Areas.
- Ms. Racel recommended updating the NBV logo to align it with the new Village logo, a suggestion that received agreement from the BCC staff.
- Mr. Vazquez went on to explain the rationale behind identifying and ranking the focus areas, highlighting how the islands were chosen as the primary areas of focus in accordance with the agreement made by the Village staff. He further elaborated by outlining the process for calculating FPSS and noted that Village staff had contributed their input regarding the weighting factors.
- Ms. Rachel recommended updating tables 3-1, 3-2, and 3-3 by arranging the focus areas according to their rankings, and the BCC approved this revision.

Meeting participants included:

Ms. Rachel Streitfeld – North Bay Village
Mr. Delroy Peters – North Bay Village
Mr. Alex Vazquez – BCC Engineering
Mr. Mohammad Shokri – BCC Engineering

Action Items:

1. Village staff requested that the virtual public meeting be recorded.
2. In the adaptation plan, the minimum elevation for critical assets should be determined based on the 2060 IH as outlined in the Stormwater Management Plan (SWMP).

Appendix H3 – Progress Meeting No. 5

PROGRESS MEETING NO. 5- AGENDA

Meeting Date:	**January 11, 2024, at 3:00 PM**
Location:	**Virtual Meeting**
Project:	**North Bay Village – Vulnerability Assessment**
Subject:	**Progress Meeting No. 5**

I. Prior Progress Meetings

1. Project Kick-Off Meeting – March 22, 2023
2. Progress Meeting No. 1 – April 28, 2023
3. Progress Meeting No. 2 – June 7, 2023
4. Progress Meeting No. 3 – August 23, 2023
5. Progress Meeting No. 4 – October 25, 2023

II. Scope of Work

Task 1 – Data Collection & Gap Analysis **(Completed) – Submitted April 24, 2023**

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

Public Meeting No. 1 (to Public) - July 11, 2023

Public Meeting No. 1 (to Resiliency Task Force) - July 25, 2023

Public Meeting No. 2 (to Public) - November 6, 2023

Task 3 – Critical Asset Inventory **(Completed) – Submitted June 16, 2023**

Task 4 – Exposure Analysis **(Completed) – Submitted Aug 18, 2023**

Task 5 – Sensitivity Analysis **(Completed) - Submitted Oct 12, 2023**

Task 6 – Identification & Ranking of Focus Areas **(Completed) - Submitted Oct 24, 2023**

Task 7 – Development of Adaptation Plan **(Completed) - Submitted Dec 11, 2023 - Pending Comments**

Task 8 – Final Vulnerability Assessment (VA) Report **(Ongoing)**

Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development **(Ongoing)**

III. Current Progress

Task 1 – Data Collection & Gap Analysis **(Completed) – Submitted April 24, 2023**

- Reviewed background data needs in accordance with s. 380.093, F.S., including critical/regionally significant assets, topographic data, and flood scenario-related data.
- Collected readily available data, primarily in the form of GIS shapefiles, from various governmental agencies, including federal, state, and county entities.
- Provided data requests to the Village to identify and collect available information regarding applicable critical asset categories/types that are owned/maintained by the Village. Requested information on any existing critical infrastructure/asset database that the Village maintains.
- Developed data catalog to summarize all collected and reviewed information.
- Submitted Technical Memorandum No. 1 – Data Collection & Gap Analysis to Village on April 24, 2023, for comments.
- BCC sent the final version of TM 1 to Delroy Peters on May 24, 2023.

Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement **(Ongoing)**

- Public Meeting No. 1 held July 11, 2023

Task 3 – Critical Asset Inventory **(Completed) – Submitted June 16, 2023**

- Prepare an inventory of critical and regionally significant assets based on the findings of the gap analysis and stakeholder engagement coordination.
- Received feedback from the city related to the critical infrastructure locations and the storm surge analysis.
- Submitted Technical Memorandum No. 3 – Critical Asset Inventory on May 25, 2023.
- BCC will send the final version of TM3 and the corresponding GIS data to Delroy Peters to submit to FDEP after incorporating comments.

Task 4 – Exposure Analysis **(Completed) - Submitted Aug 18, 2023**

- Develop ICPR4 models and perform exposure analysis to determine the depth of the water caused by rainfall and tidal-induced flooding for the four (4) design storm events using different sea-level/groundwater rise scenarios.
- Need to obtain consensus on storm surge analysis approach.
- Submitted TM 4 with the findings and associated flooding extent maps – August 18, 2023

Task 5 – Sensitivity Analysis **(Completed) – Submitted Oct 12, 2023**

- Perform a sensitivity analysis in accordance with the guidelines outlined in F.S. 380.093.
- Evaluate the impact of flooding on assets by applying the data/results from the exposure analysis to the critical asset inventory created in Task 3.
- Prepare applicable GIS shapefiles in accordance with the GIS Data and Metadata standards for Resilient Florida Planning Grants.

Task 6 – Identification & Ranking of Focus Areas **(Completed) Submitted Oct 24, 2023**

- Identifying and ranking vulnerable areas of significant flooding in order to determine which areas require the development of adaptation strategies.

Task 7 – Development of Adaptation Plan **(Completed) – Submitted Dec 11, 2023**

- Identify and assess the impacts that are likely to affect the planning area, specifically the vulnerable focus areas determined in Task 6.
- Develop planning-level adaptation and implementation strategies for vulnerable focus areas to minimize impacts.

IV. Next Steps

Task 8 – Final Vulnerability Assessment (VA) Report **(Ongoing)**

- Finish compiling Technical Memorandums into a single DRAFT report per guidelines set forth in s. 380.093, F.S. DRAFT copy will incorporate NBV's comments/questions received for each technical memorandum.
- The DRAFT report will include an executive summary outlining key findings and recommendations.
- Will include an executive summary outlining key findings and recommendations.
- Comments and questions received on the DRAFT report are to be incorporated into the final VA report document.

Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development **(Ongoing)**

- BCC will provide all completed TMs to date.
- Erin to start compiling the required information and will provide a completion schedule.

V. Schedule

Final VA: January 12, 2024
Grant Completion Date: June 30, 2024

Deliverable Task	Description	Submittal Date
~~1~~	~~Task 1 – Data Collection & Gap Analysis (TM1)~~	~~4/28/2023~~
2	Task 2 – Project Coordination, Public Outreach & Stakeholder Engagement (TM2)	1/19/2023
~~3~~	~~Task 3 – Critical Asset Inventory (TM3)~~	~~5/26/2023~~
~~4~~	~~Task 4 – Exposure Analysis (TM4)~~	~~7/27/2023~~
~~5~~	~~Task 5 – Sensitivity Analysis (TM5)~~	~~10/12/2023~~
~~6~~	~~Task 6 – Identification & Ranking of Focus Areas (TM6)~~	~~10/24/2023~~
~~7~~	~~Task 7 – Development of Adaptation Plan (TM7)~~	~~12/11/2023~~
8	Task 8 – Final Vulnerability Assessment (VA) Report	1/26/2024
9	Task 9 - Evaluation of Comprehensive Plan/Ordinances & Strategy Development	-

VI. Action Items:

1. The Village staff will provide feedback related to TM7 – Adaptation Plan.
2. Discuss comments prior to the submittal of the VA Final Report Draft.
3. Coordinate if additional information is required for the Evaluation of the Comprehensive Plan.
4.
5.

MINUTES FOR PROGRESS MEETING NO. 5

Meeting Date:	**January 11, 2024**
Location:	**Virtual Meeting**
Project:	**North Bay Village Vulnerability Assessment (VA)**
Subject:	**Progress Meeting No. 5**

A virtual meeting was held with Village staff to provide an update on the progress of the North Bay Village Vulnerability Assessment project. The following is a summary of the various items discussed:

- Mr. Vazquez discussed the components of the adaptation plan analyzed in the report, which included protection, accommodation, relocation, and avoidance strategies. Emphasis was placed on protection strategies, specifically examining the effectiveness of the proposed Capital Improvement Plan outlined in the Stormwater Master Plan against the 2070 Intermediate High SLR scenario. The results indicated that the CIP would effectively mitigate the flooding anticipated in the 2070 scenarios.

- Mr. Peters asked about the sensitivity assessment for Harbor Island Dr since the reduction in the mean flood depth for the CIP scenario was not considerable. Mr. Vazquez mentioned that this location would be revised in the model to confirm that this value is correct.

- The Vulnerability Assessment will be presented at the upcoming commission meeting.

- The next phase involves submitting to the Village the first draft of the Vulnerability Assessment for review and comments, which will then be incorporated to create the final version of the report.

Meeting participants included:

Mr. Delroy Peters – North Bay Village

Mr. Marlon Lobban – North Bay Village

Mr. Alex Vazquez – BCC Engineering

Mr. Jean Pierre Valle – BCC Engineering

Action Items:

1. Village staff will review and provide comments on TM7 - Adaptation Plan.
2. BCC will incorporate the comments provided by the village and create a revised version of TM7.
3. BCC will provide the first draft of the Vulnerability Assessment Report for Village revision and comments.

Appendix I – Large-scale Critical and Regionally Significant Asset Maps

Transportation Assets and Evacuation Routes

West Drive

East Drive

79th Street

79th Parkway

John F Kennedy Causeway

Miami View Drive

Center Bay Drive

Coquina Drive

Beach View Drive

Adventure Avenue

Hispanola Avenue

East Treasure Drive

N
W
E
S

0 250 500 Feet

Legend

- Bus Shelter
- Bus Stop
- Bus Route
- Primary Road
- Evacuation Route

Critical Infrastructure

Out539
Out536
Out540
Out535
Out533
Out541
Out547
Out546
Out543
Out542
Out531
Out544
Out529
Out545
Out549
Out524
Out500
Out509
Out550
Out501
Out508
Out510
Out502
Out507
Out503
Out506
Out504
Out505
Out511
Out512
Out513
Out514
Out515
Out516
Out548
Out517

N
W
E
S

0 250 500 Feet

Legend

- Outfall
- Sanitary Sewer Pump Station

Critical Community and Emergency Facilities

Legend

- City Hall
- Future City Hall
- Future Community Center
- Health Facility
- School

N
W E
S

0 250 500 Feet

Grow By the Bay Learning Academy

KLA Schools of North Bay Village

Treasure Island Elementary School

Natural, Cultural, and Historical Resources

Dr. Paul Vogel Community Park

Dog Park

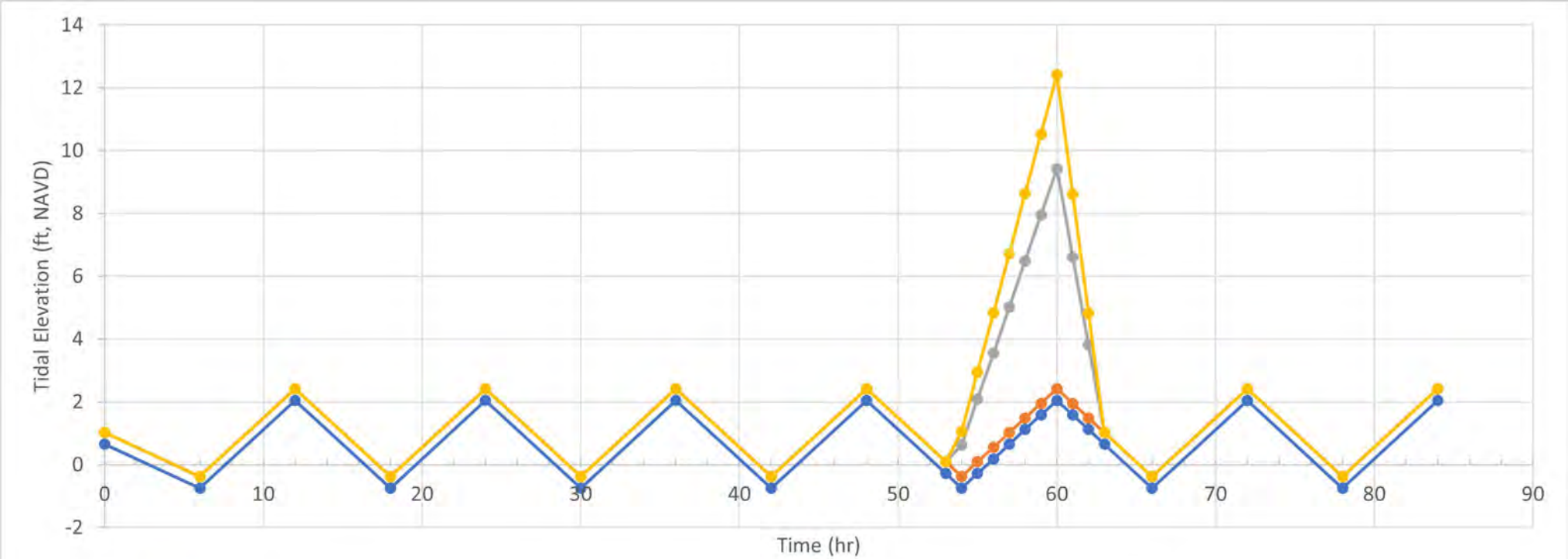
N
W E
S

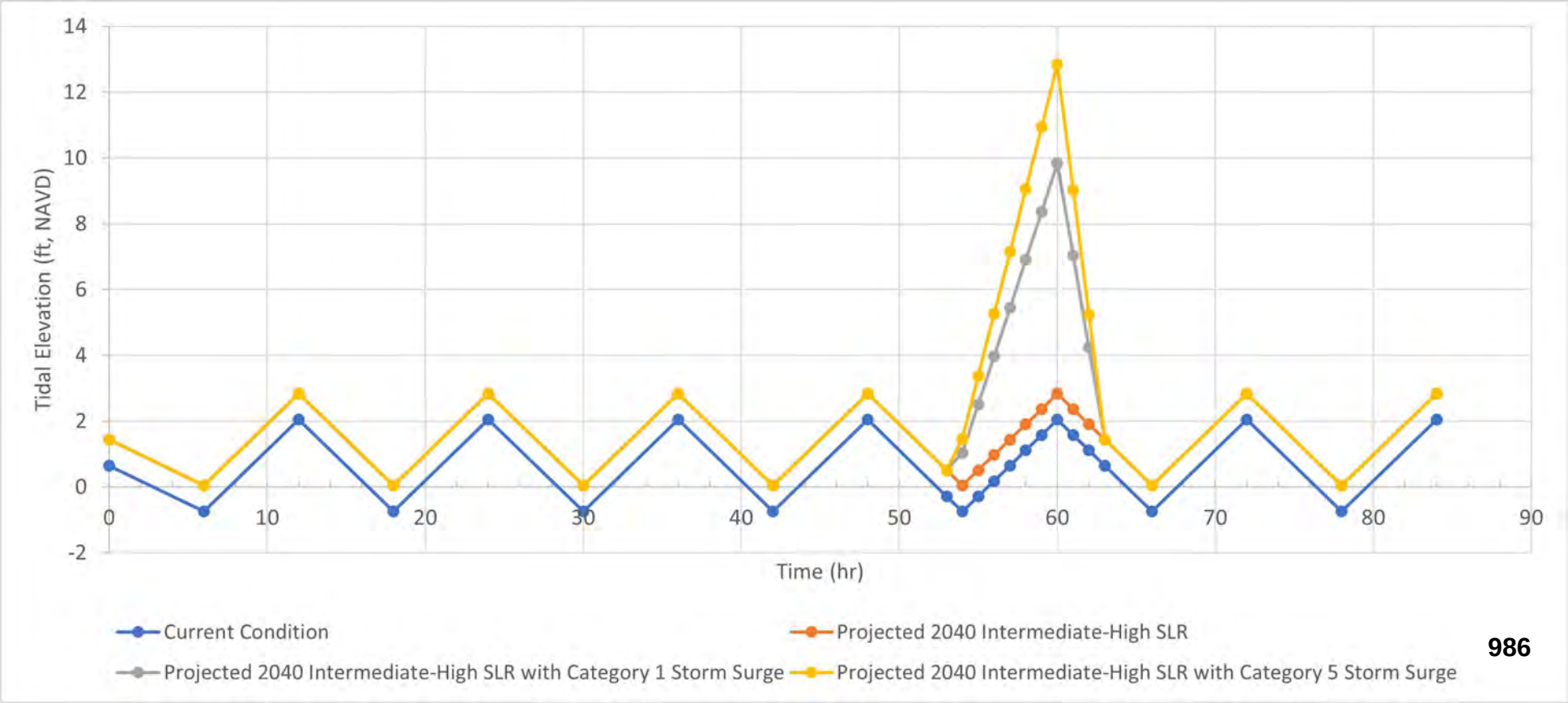
0 250 500 Feet

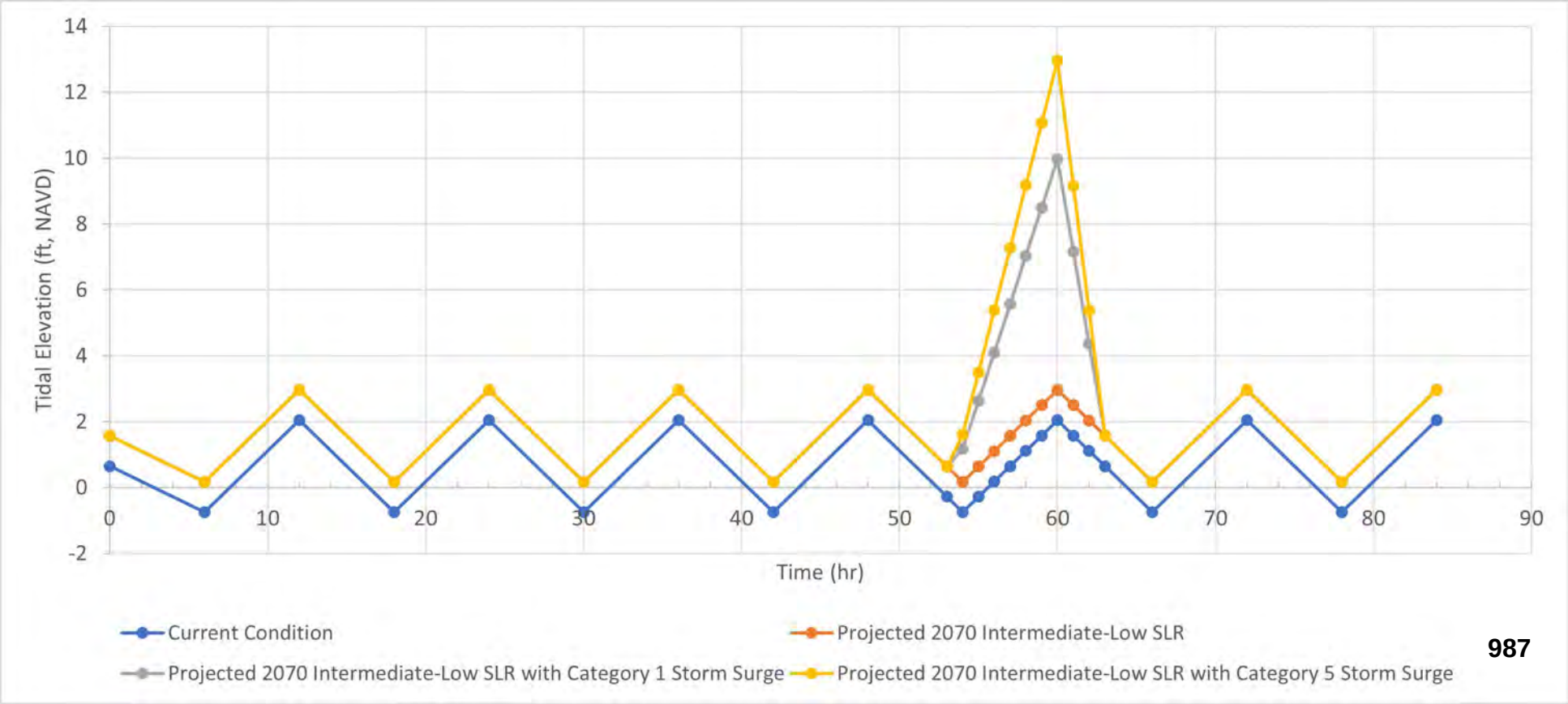
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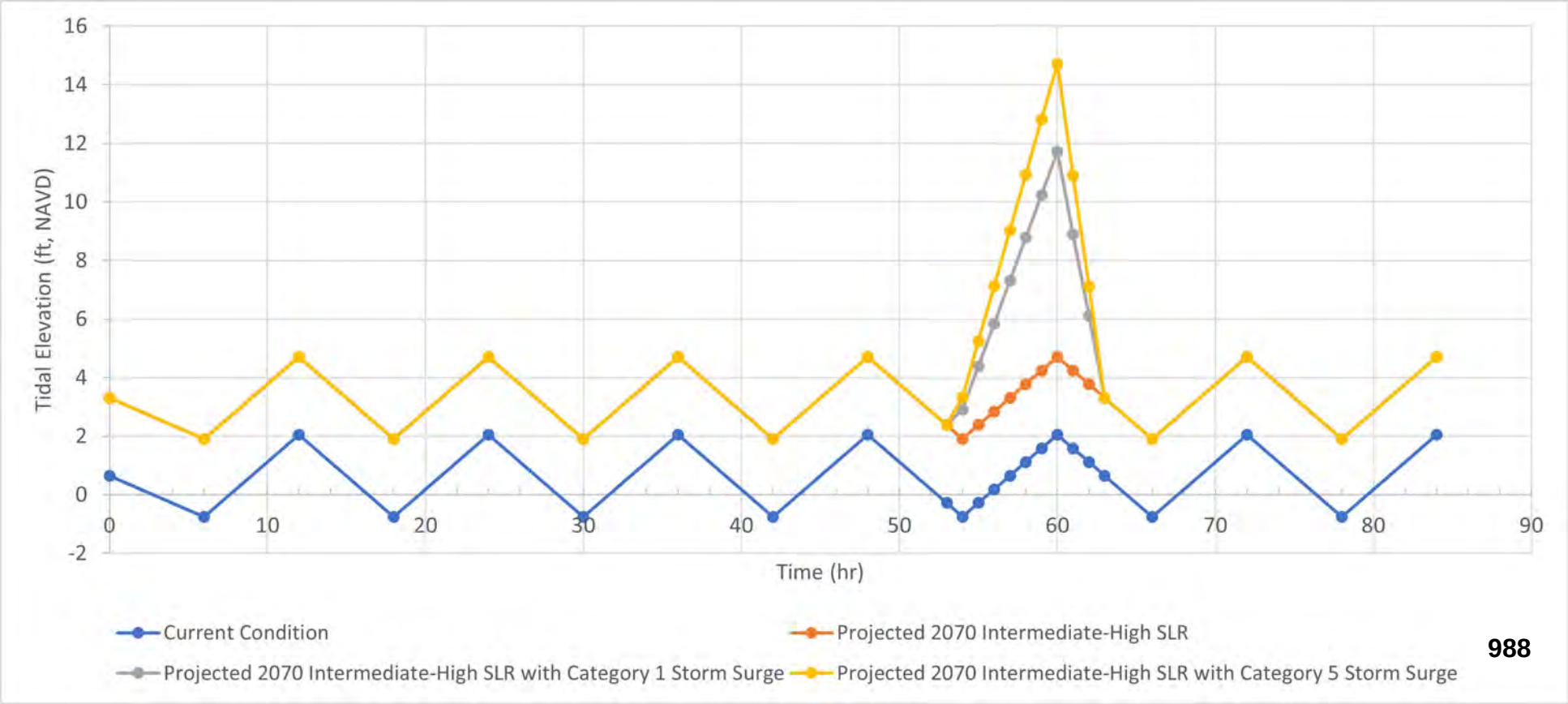
Park

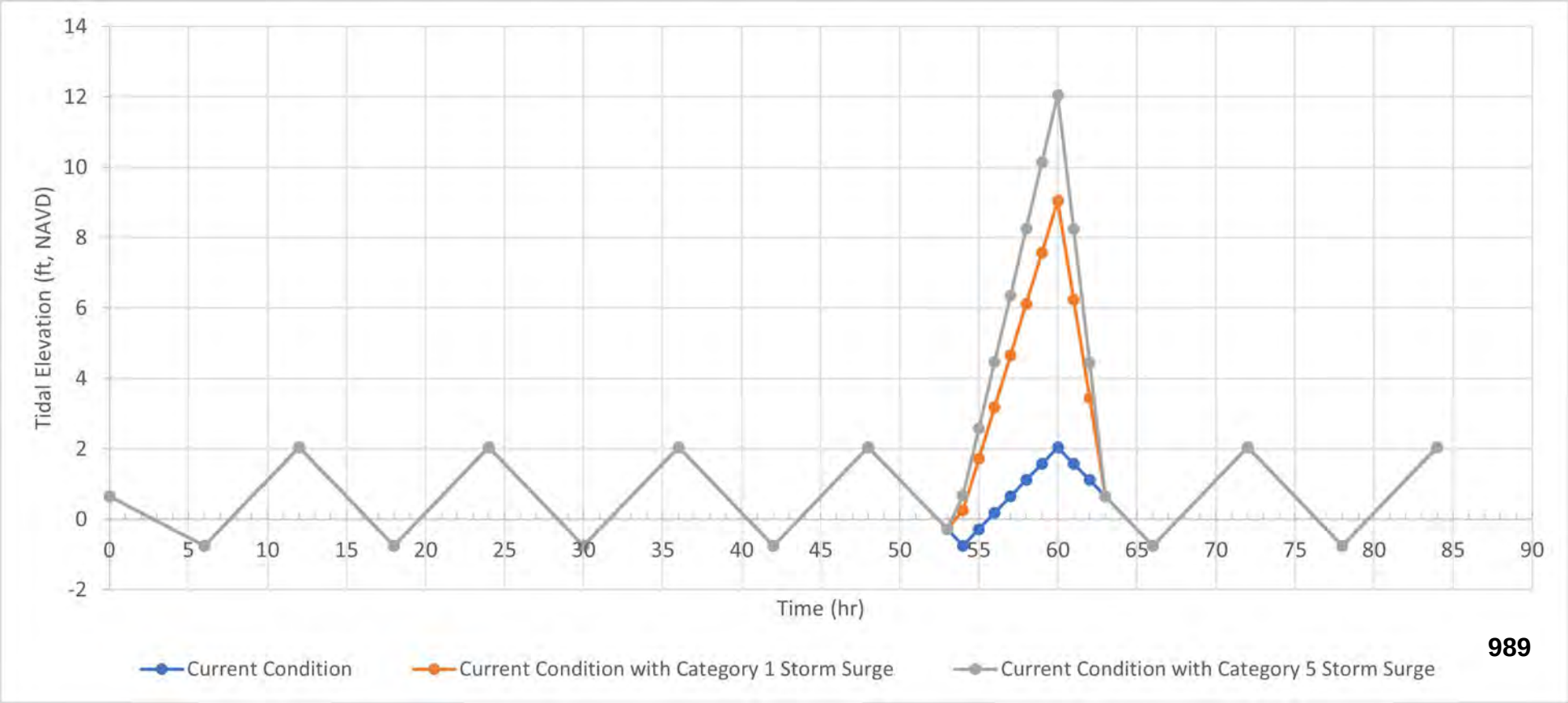
Appendix J – Category 1 and Category 5 Storm Surge Boundary Conditions


14
12
10
8
6
4
2
0
-2
Tidal Elevation (ft, NAVD)
0
10
20
30
40
50
60
70
80
90
Time (hr)
Current Condition
Projected 2040 SLR Intermediate-Low
Projected 2040 Intermediate-Low SLR with Category 1 Storm Surge
Projected 2040 Intermediate-Low SLR with Category 5 Storm Surge


14
12
10
8
6
4
2
0
-2
Tidal Elevation (ft, NAVD)
0
10
20
30
40
50
60
70
80
90
Time (hr)
Current Condition
Projected 2040 Intermediate-High SLR
Projected 2040 Intermediate-High SLR with Category 1 Storm Surge
Projected 2040 Intermediate-High SLR with Category 5 Storm Surge


14
12
10
8
6
4
2
0
-2
Tidal Elevation (ft, NAVD)
0
10
20
30
40
50
60
70
80
90
Time (hr)
Current Condition
Projected 2070 Intermediate-Low SLR
Projected 2070 Intermediate-Low SLR with Category 1 Storm Surge
Projected 2070 Intermediate-Low SLR with Category 5 Storm Surge


16
14
12
10
8
6
4
2
0
-2
Tidal Elevation (ft, NAVD)
0
10
20
30
40
50
60
70
80
90
Time (hr)
Current Condition
Projected 2070 Intermediate-High SLR
Projected 2070 Intermediate-High SLR with Category 1 Storm Surge
Projected 2070 Intermediate-High SLR with Category 5 Storm Surge


14
12
10
8
6
4
2
0
-2
Tidal Elevation (ft, NAVD)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
Time (hr)
Current Condition
Current Condition with Category 1 Storm Surge
Current Condition with Category 5 Storm Surge

Appendix K – Depth of Flood Maps in Current Conditions


TREASURE ISLAND
EXISTING CONDITIONS
(NO RAINFALL)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets


TREASURE ISLAND
EXISTING CONDITIONS
(5-YEAR 24-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets

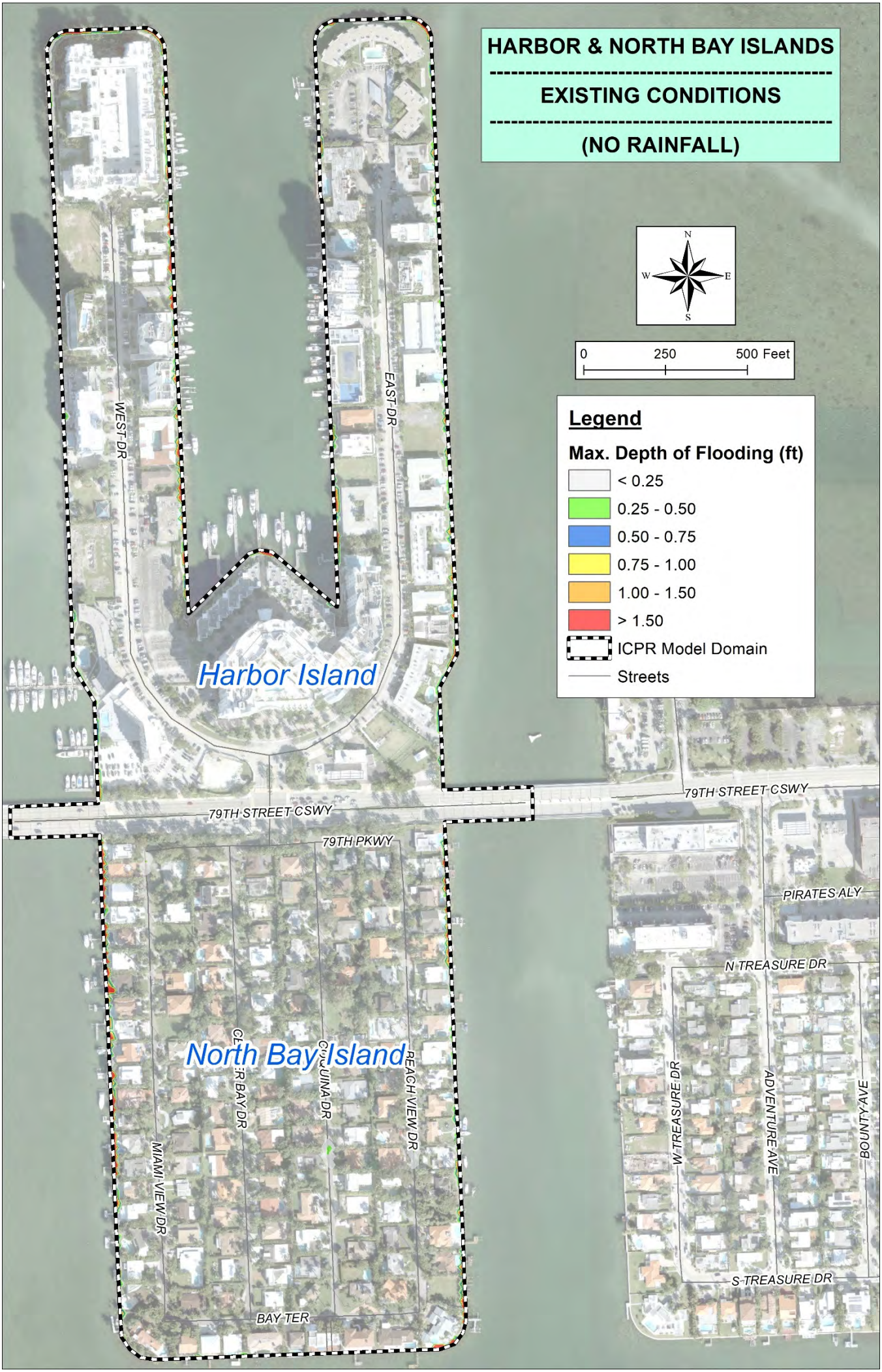

TREASURE ISLAND
EXISTING CONDITIONS
(10-YEAR 24-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets

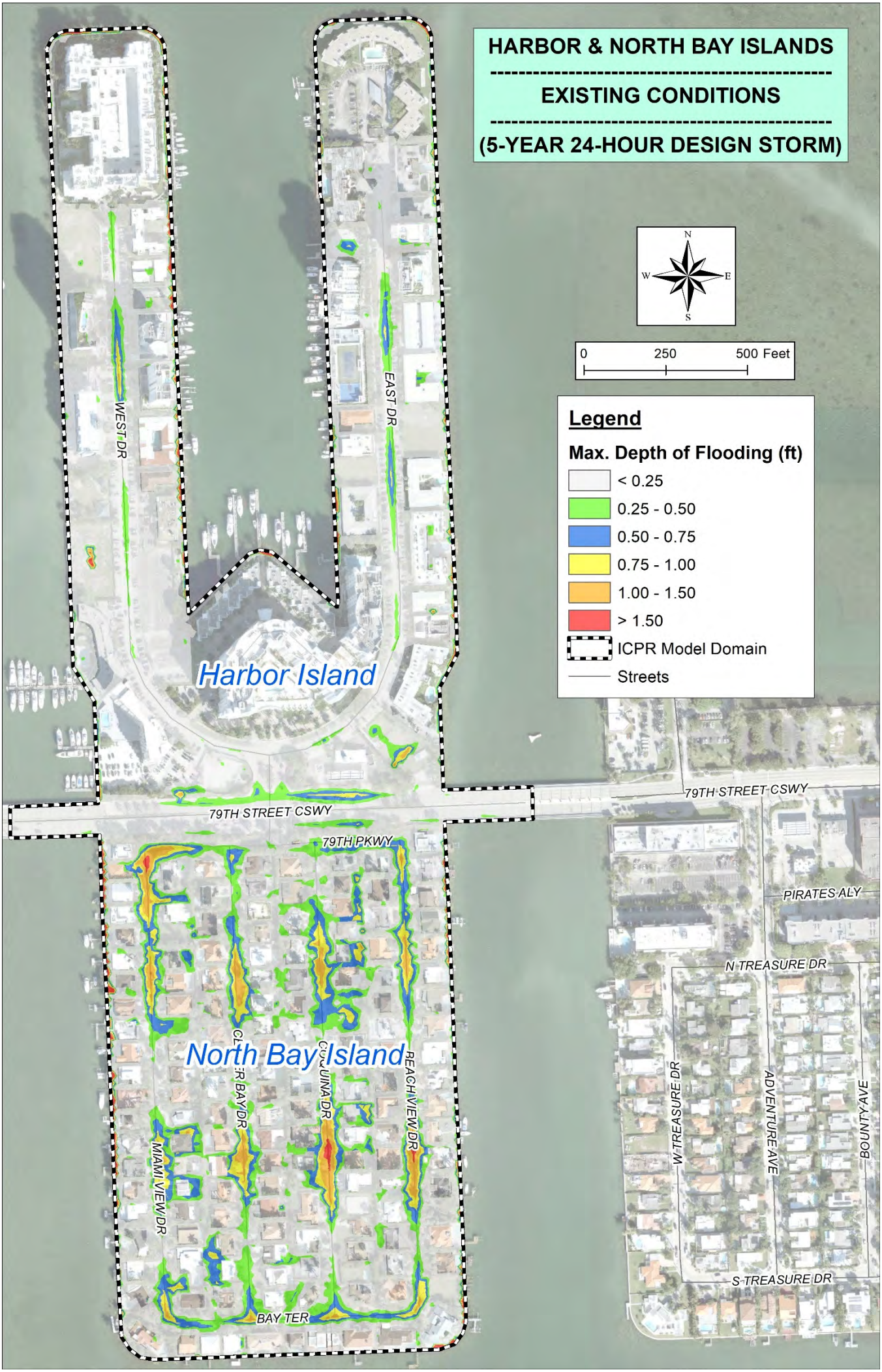

TREASURE ISLAND
EXISTING CONDITIONS
(25-YEAR 72-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets

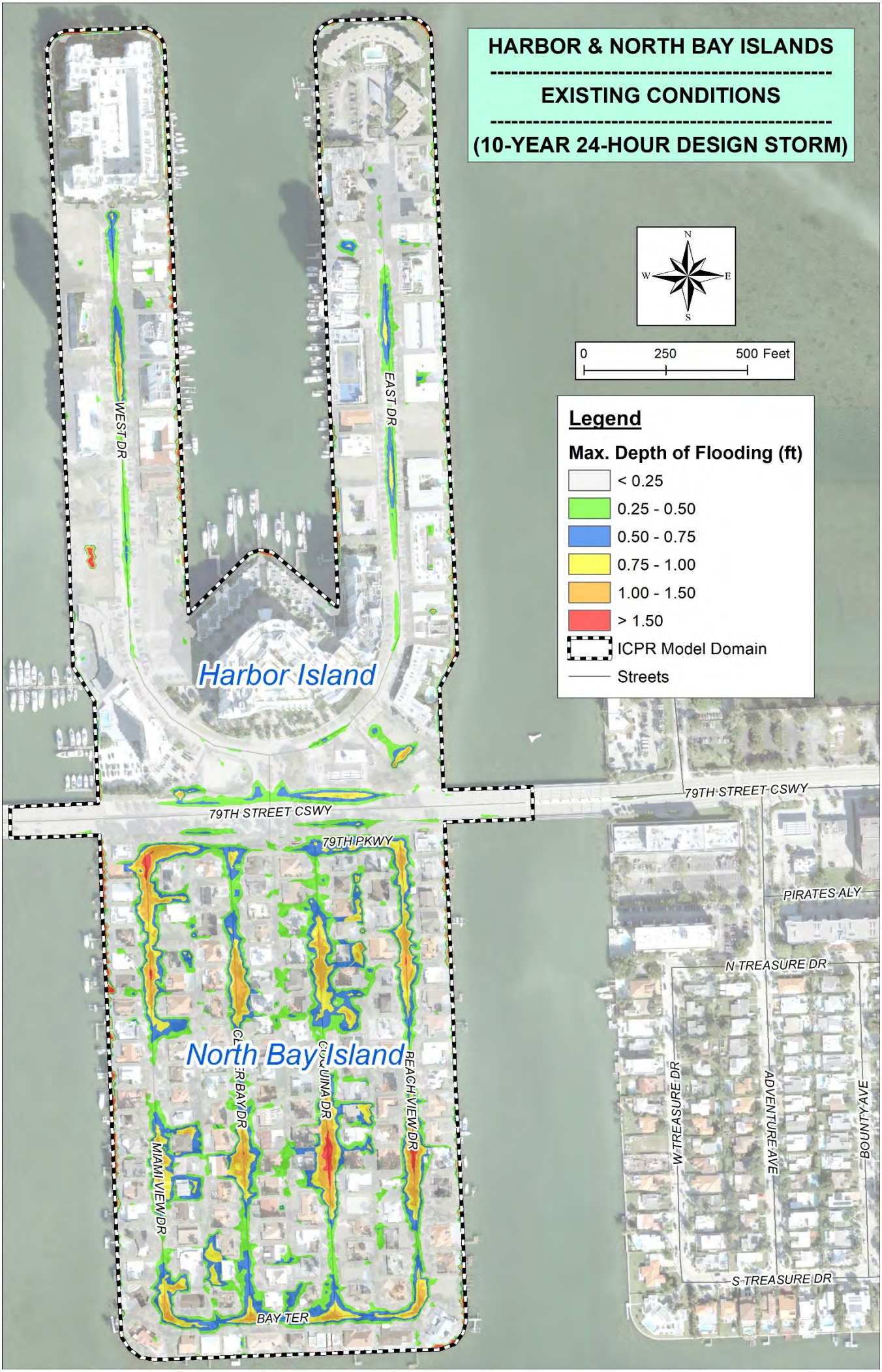

TREASURE ISLAND
EXISTING CONDITIONS
(100-YEAR 72-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets


TREASURE ISLAND
EXISTING CONDITIONS
(500-YEAR 72-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets

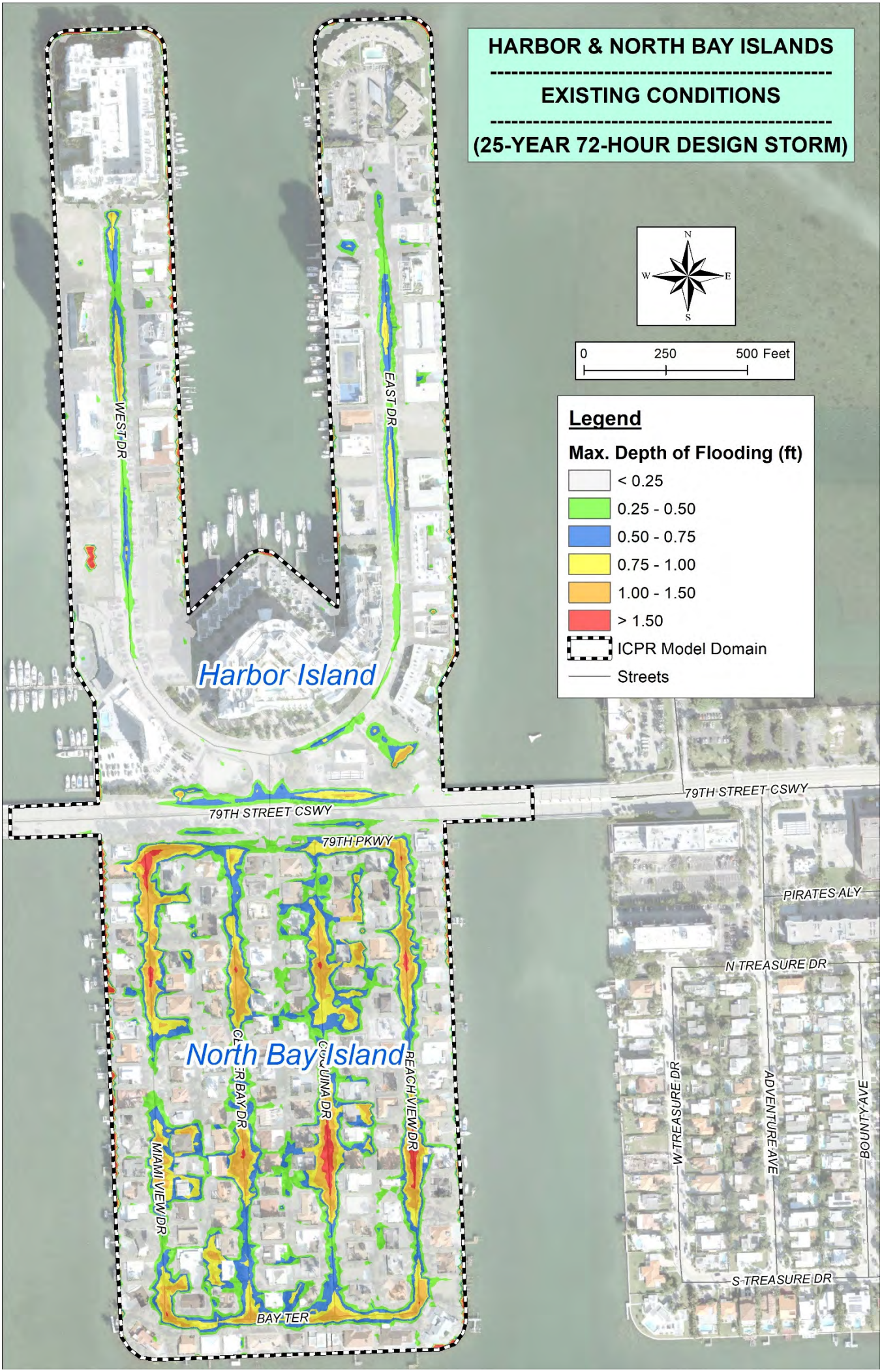

TREASURE ISLAND
EXISTING CONDITIONS
(1000-YEAR 72-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets


HARBOR & NORTH BAY ISLANDS
EXISTING CONDITIONS
(NO RAINFALL)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
MIAMI VIEW DR
BEACH VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
EXISTING CONDITIONS
(5-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY DR
BEACHVIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
EXISTING CONDITIONS
(10-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BEACHVIEW DR
MIAMI VIEW DR
BAY TER

1000


HARBOR & NORTH BAY ISLANDS
EXISTING CONDITIONS
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BEACHVIEW DR
MIAMI VIEW DR
BAY TER

1001


HARBOR & NORTH BAY ISLANDS
EXISTING CONDITIONS
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BEACHVIEW DR
MIAMI VIEW DR
BAY TER

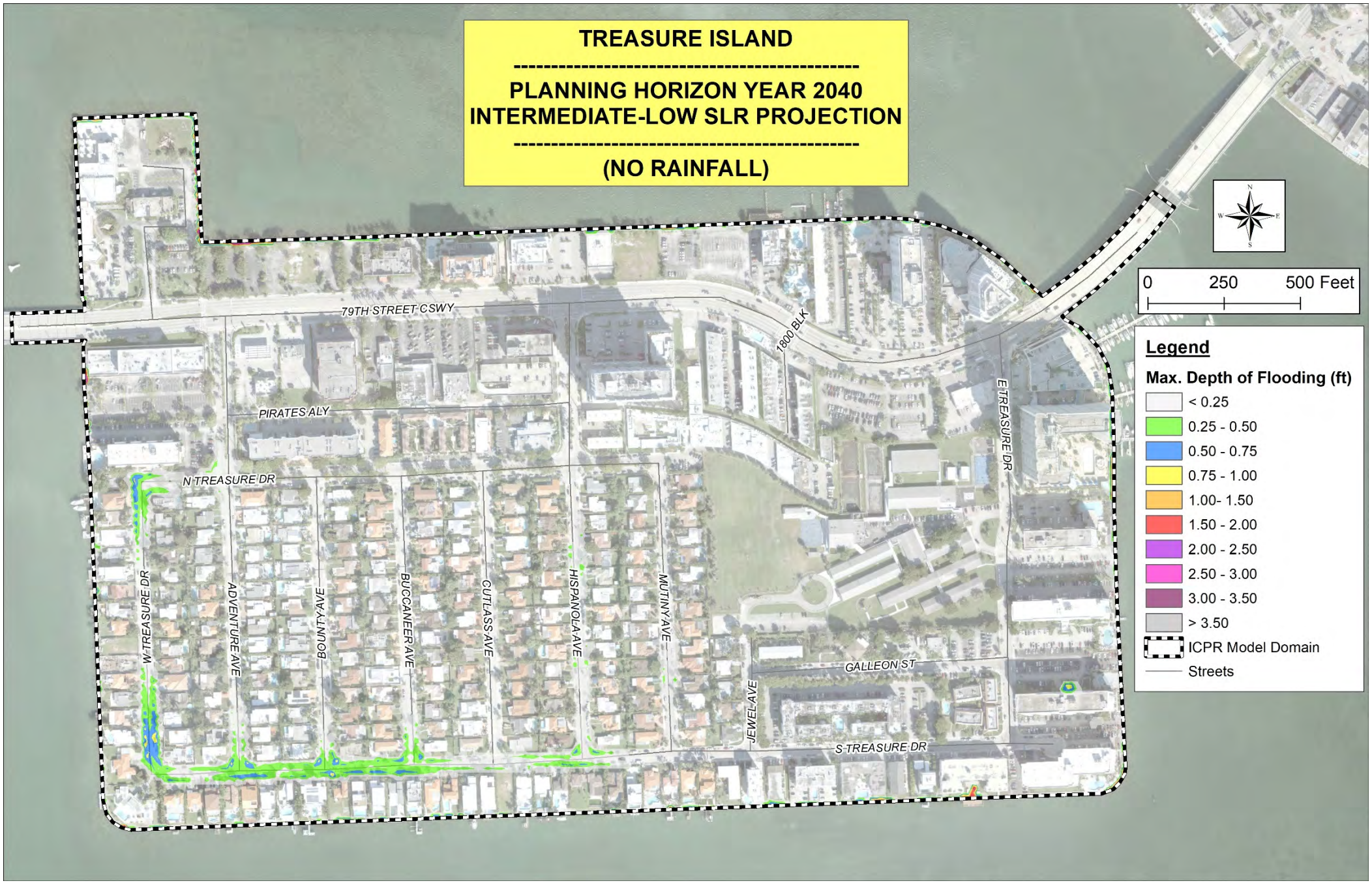
1002


HARBOR & NORTH BAY ISLANDS
EXISTING CONDITIONS
(500-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BEACH VIEW DR
MIAMI VIEW DR
BAY TER

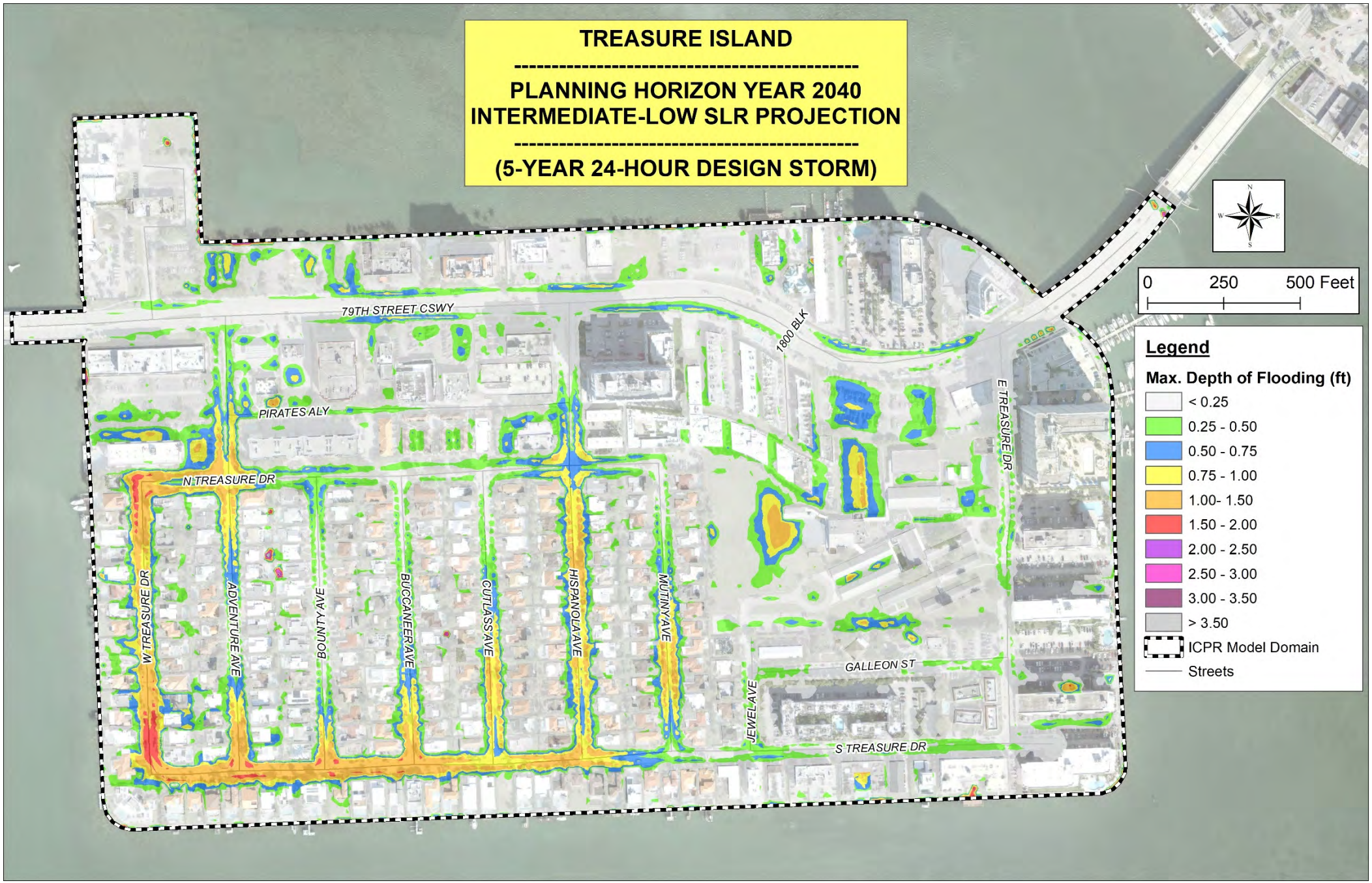
1003


HARBOR & NORTH BAY ISLANDS
EXISTING CONDITIONS
(1000-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
> 1.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BEACHVIEW DR
MIAMI VIEW DR
BAY TER

Appendix L – Depth of Flood Maps in 2040 Intermediate-Low SLR Scenario

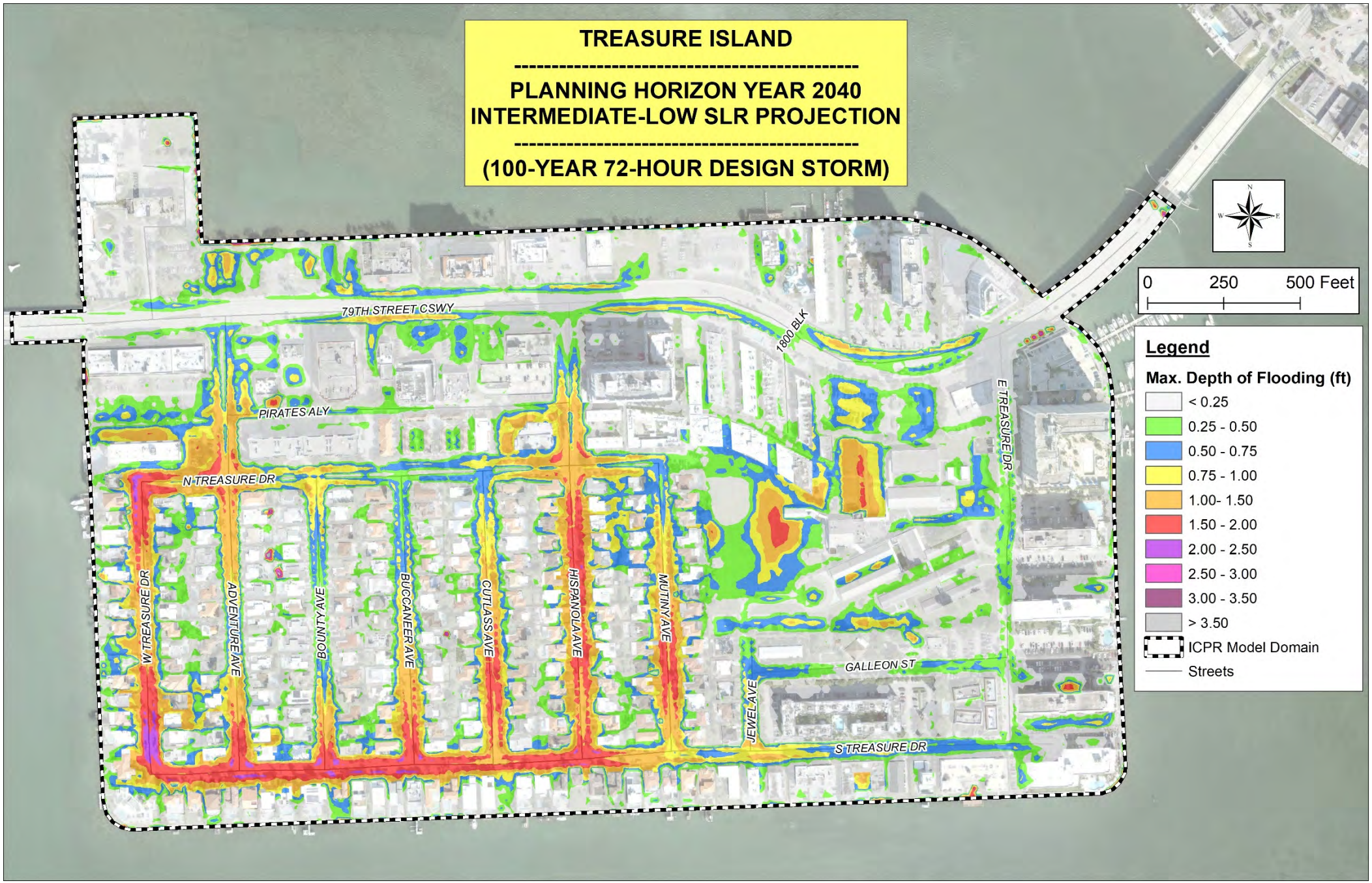

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(NO RAINFALL)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

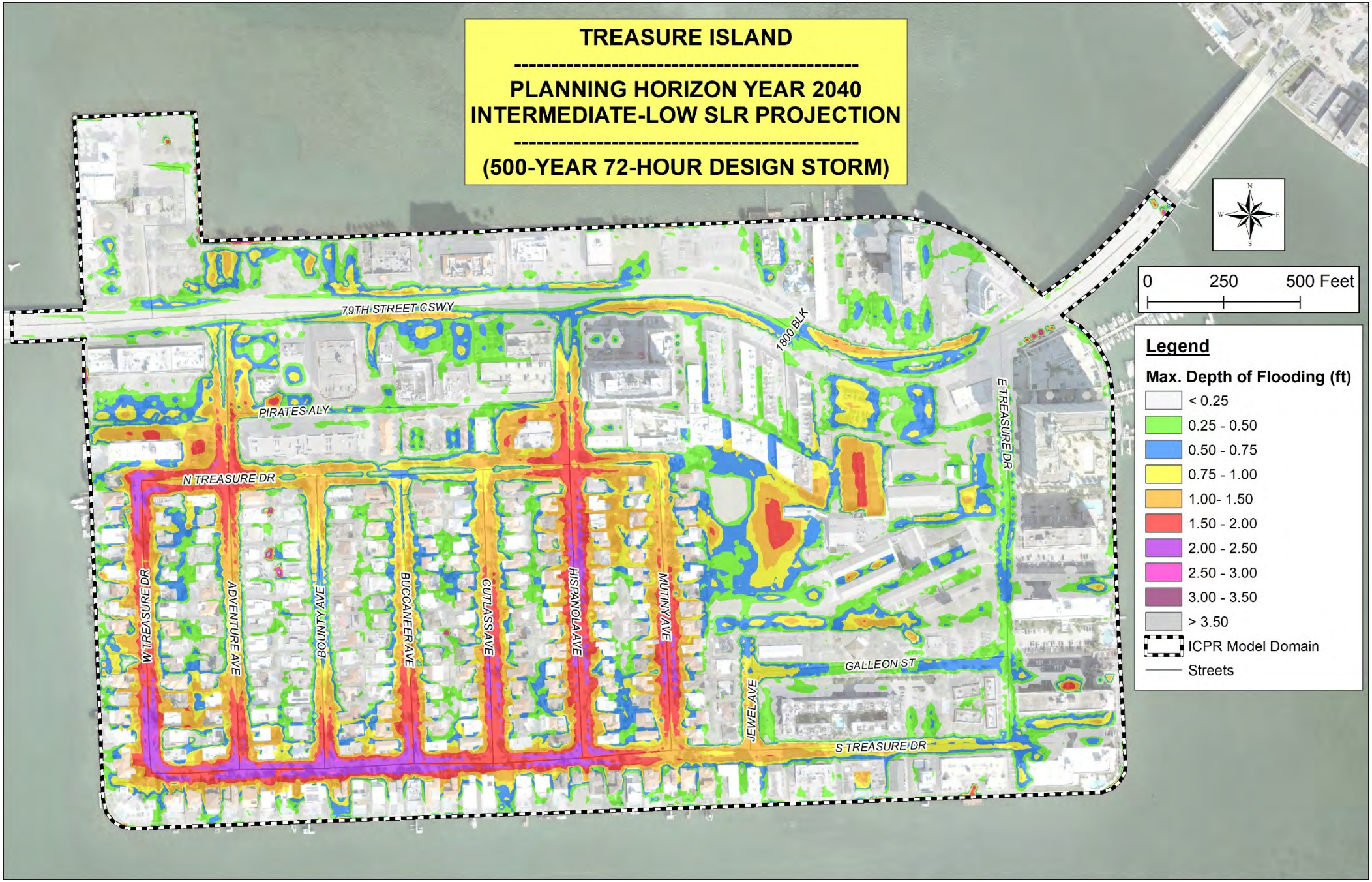
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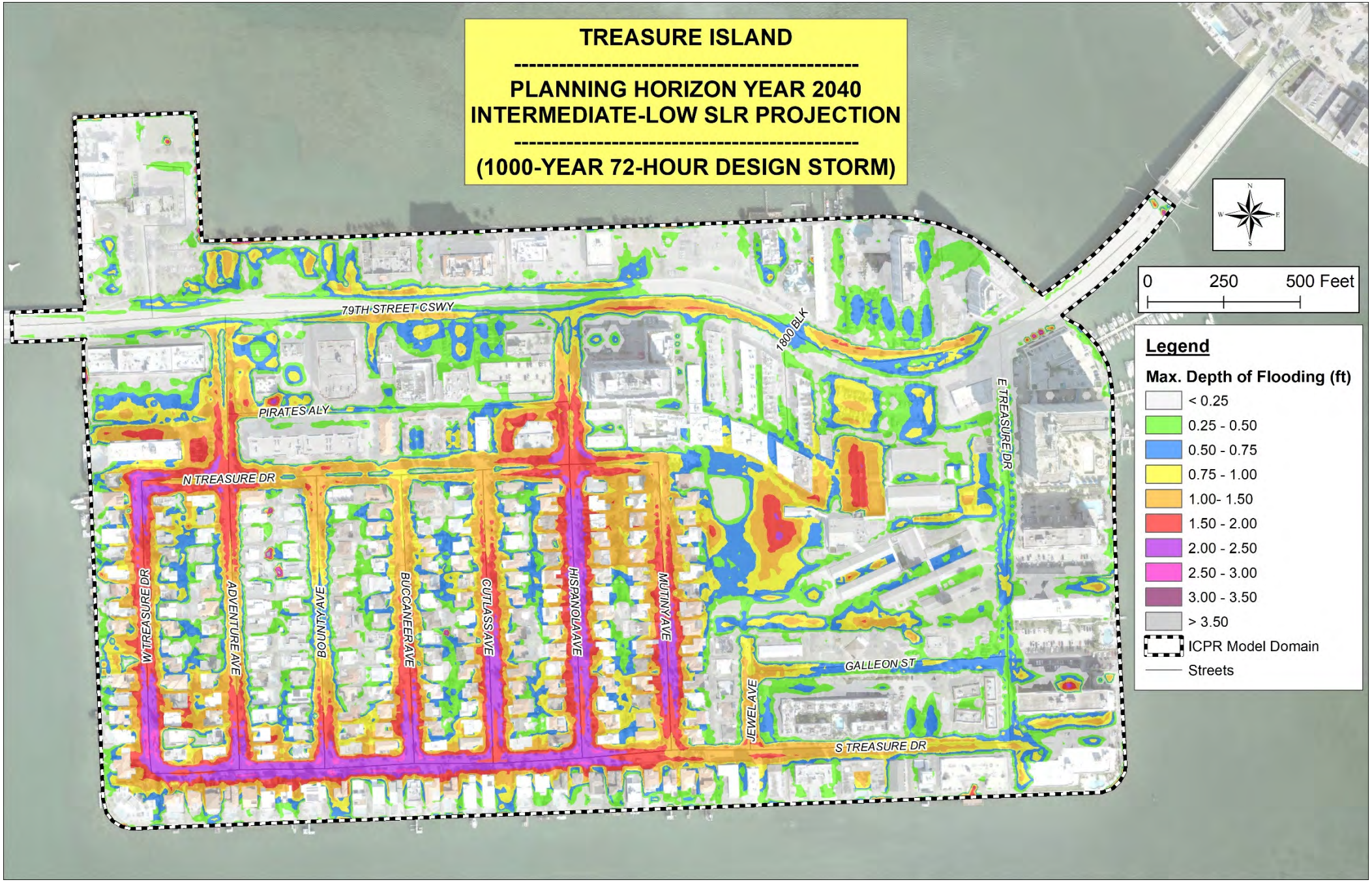

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

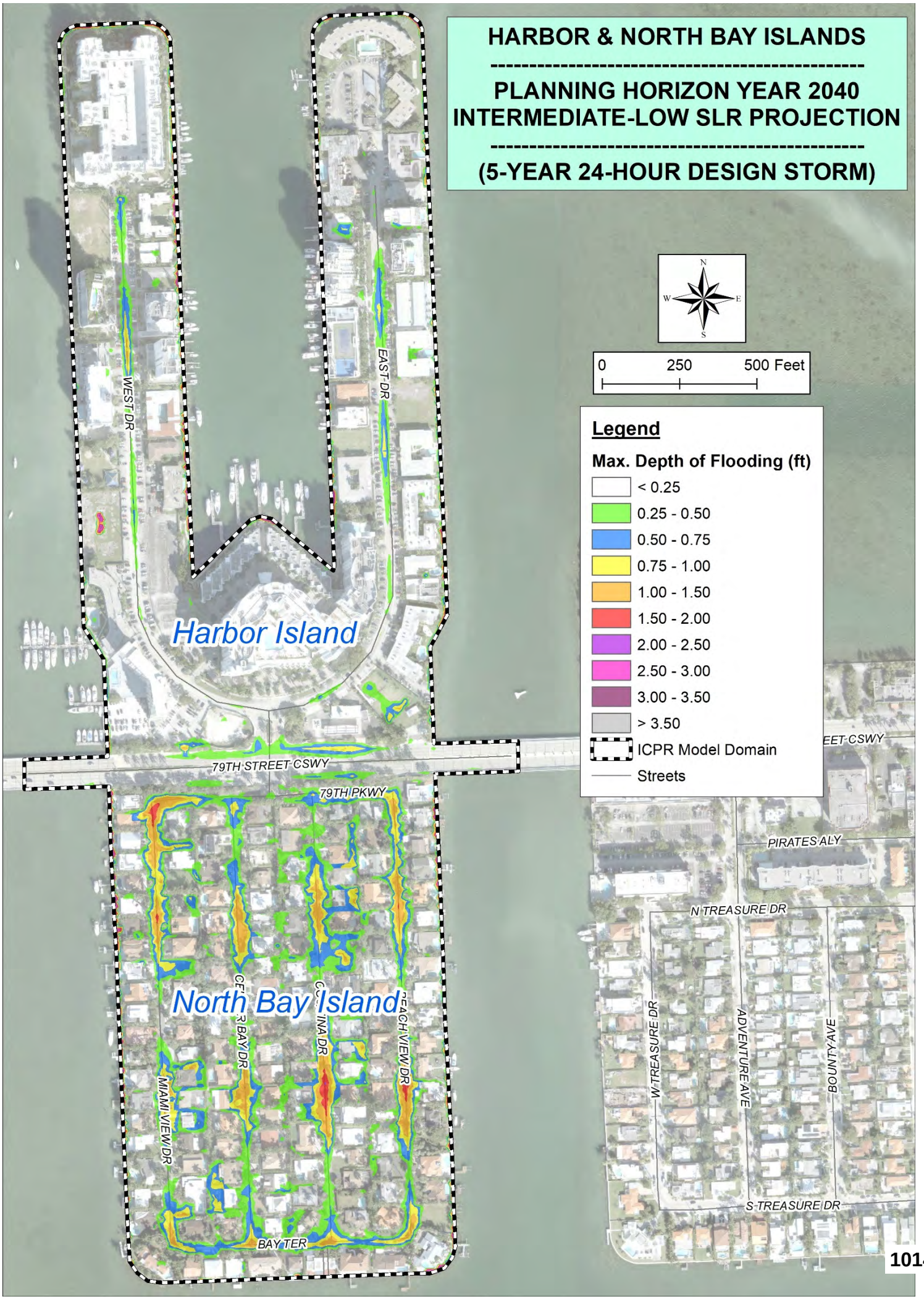

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

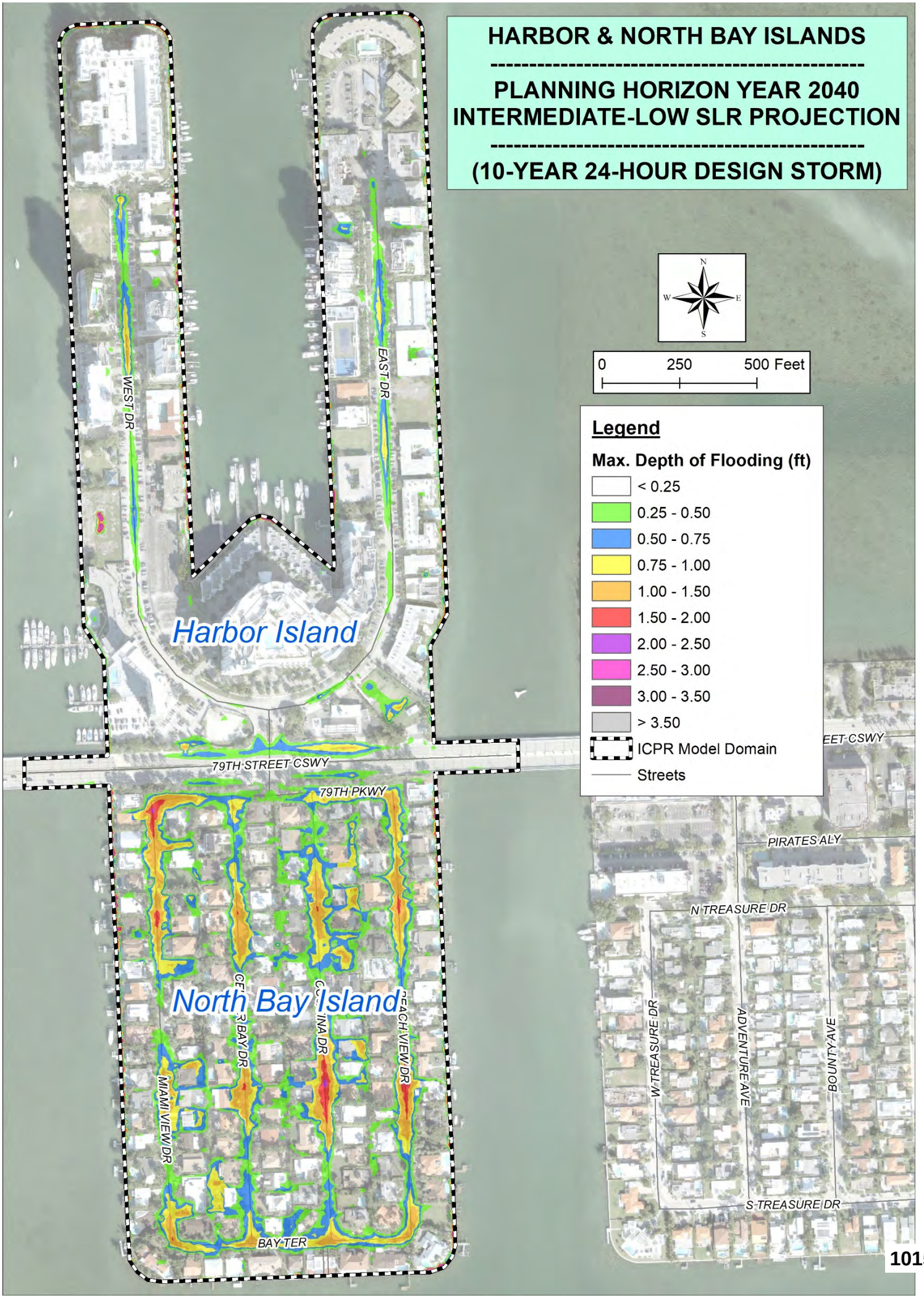

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
0 250 500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR

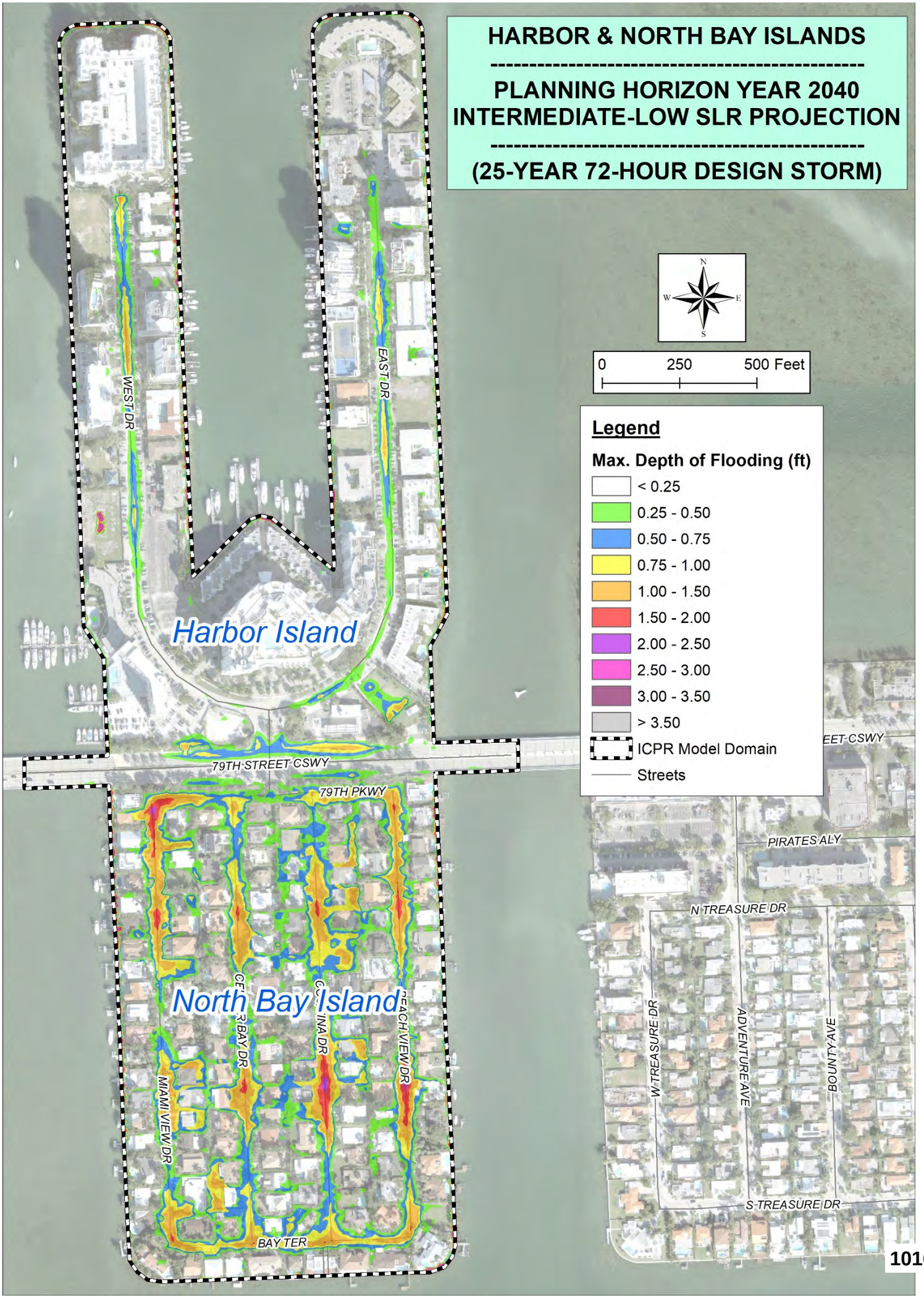

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(500-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

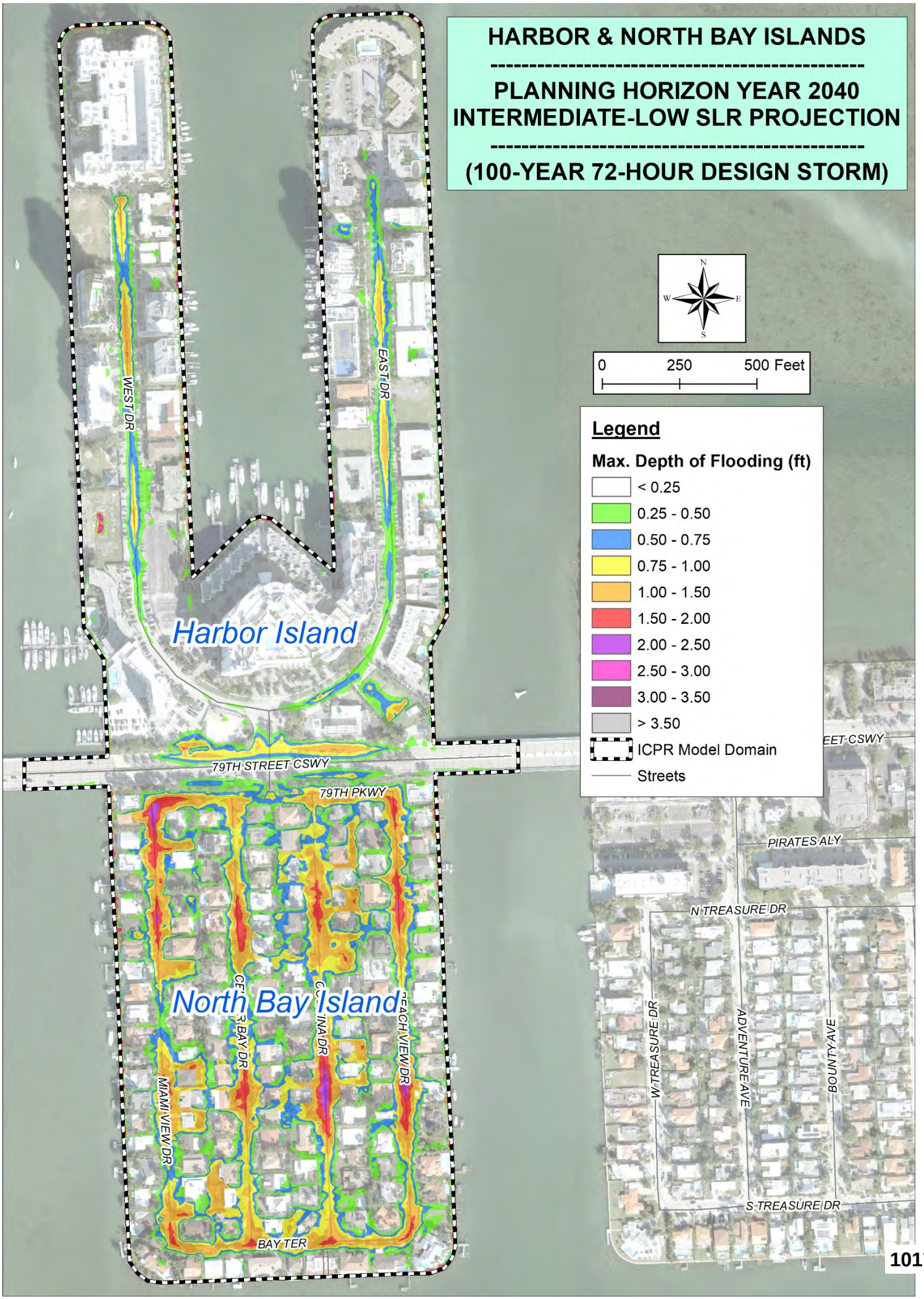

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(1000-YEAR 72-HOUR DESIGN STORM)
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
GALLEON ST
JEWEL AVE
S TREASURE DR

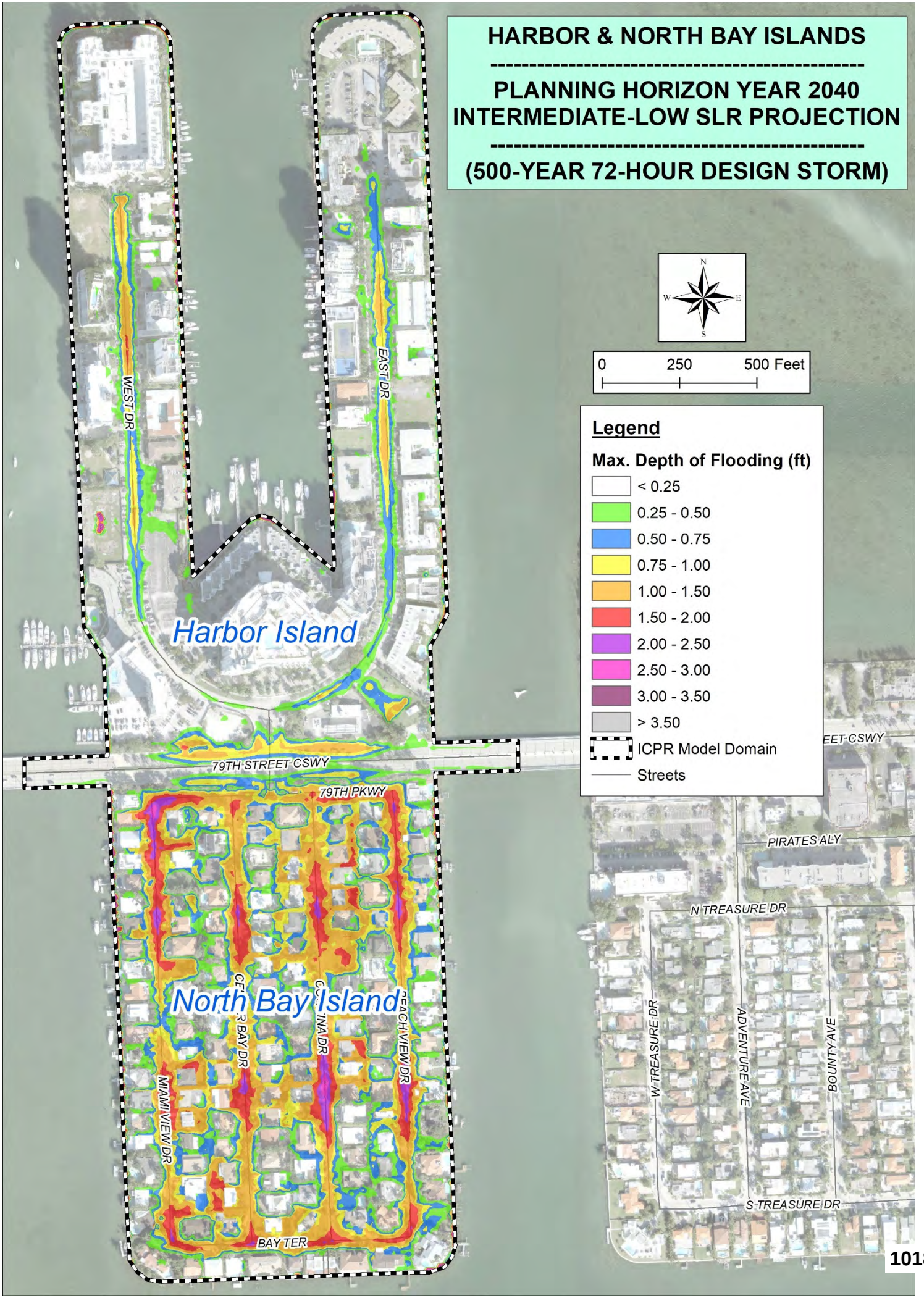

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(NO RAINFALL)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

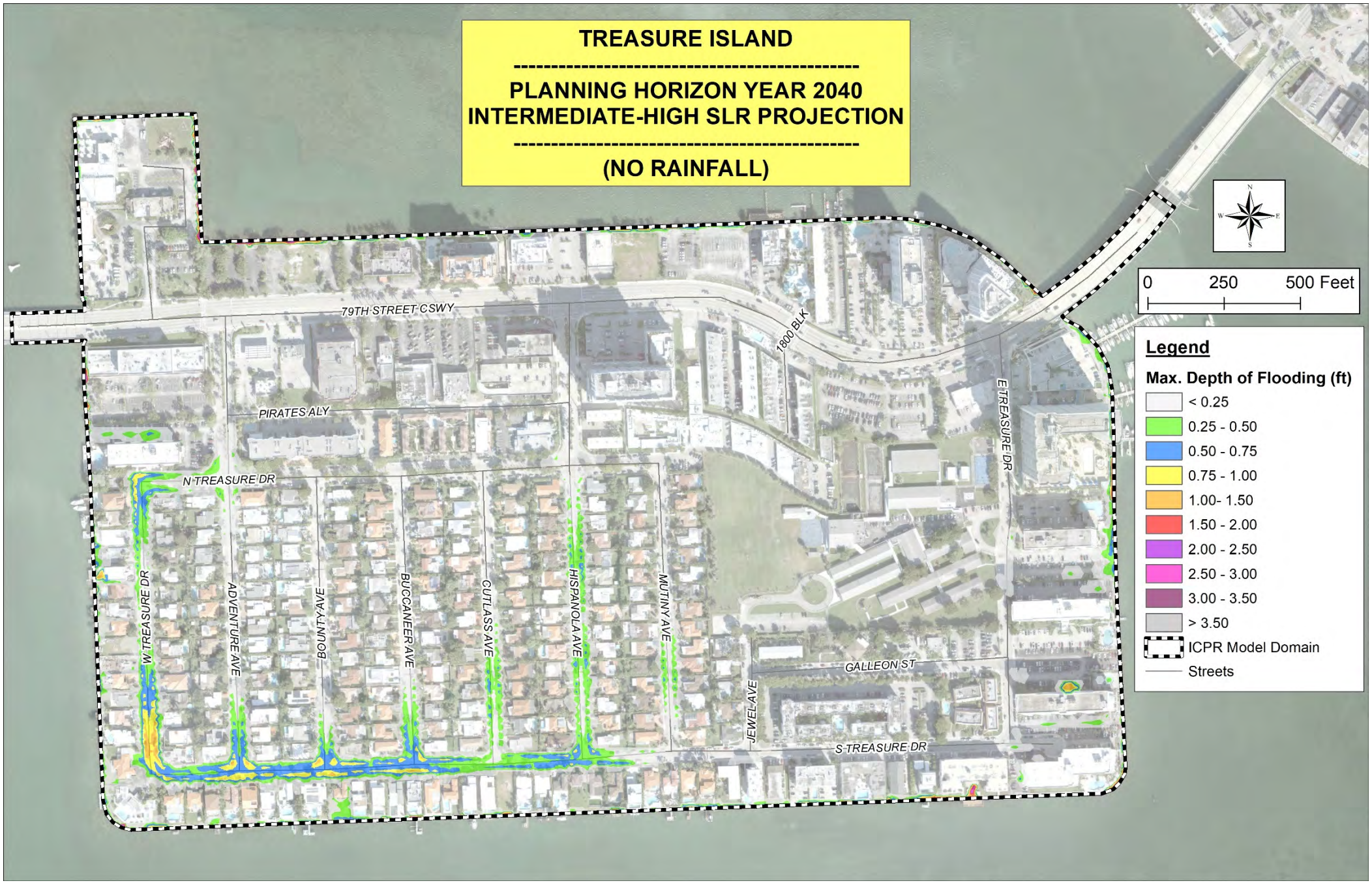

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(500-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
(1000-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

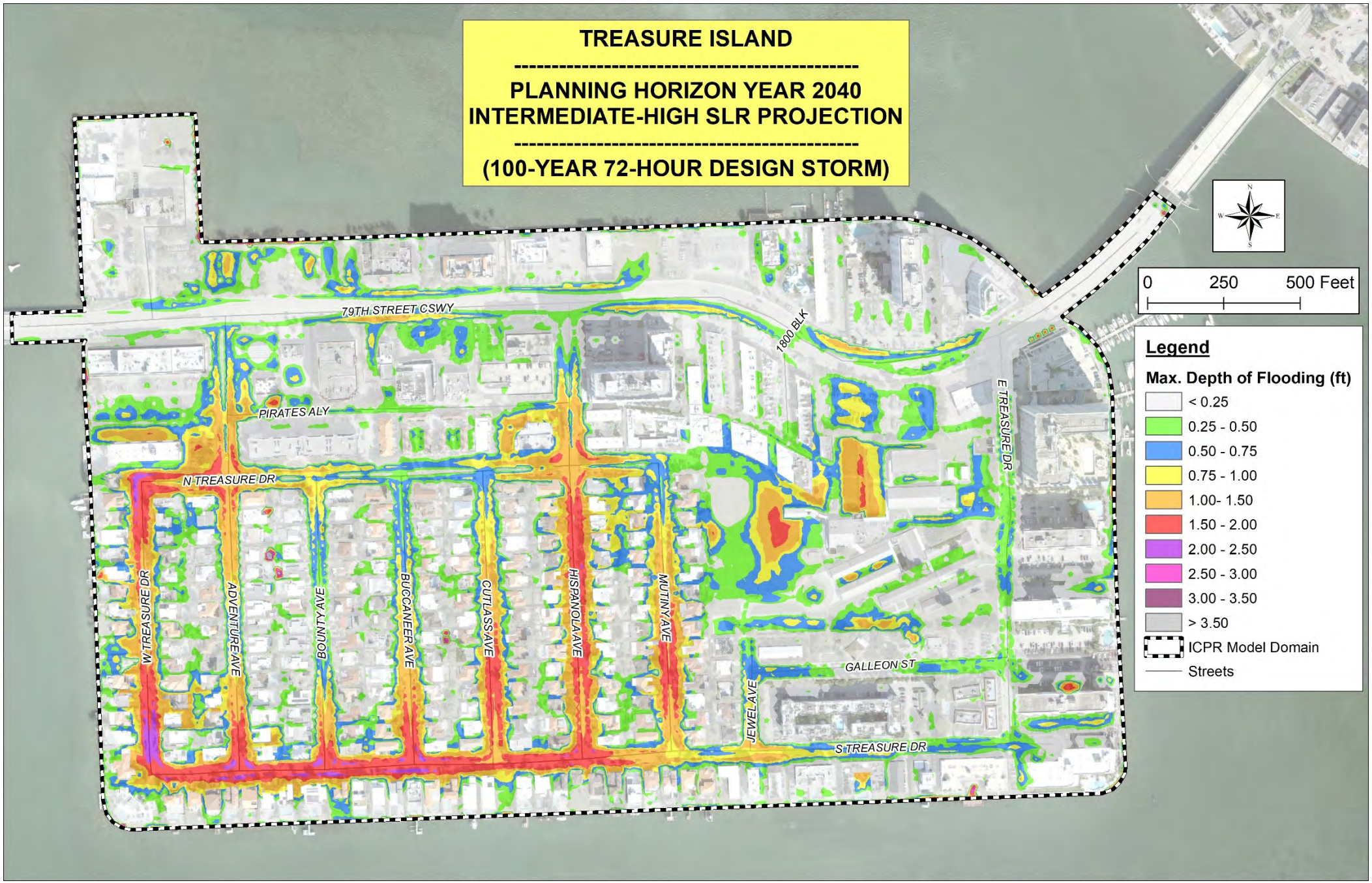
Appendix M – Depth of Flood Maps in 2040 Intermediate-High SLR Scenario

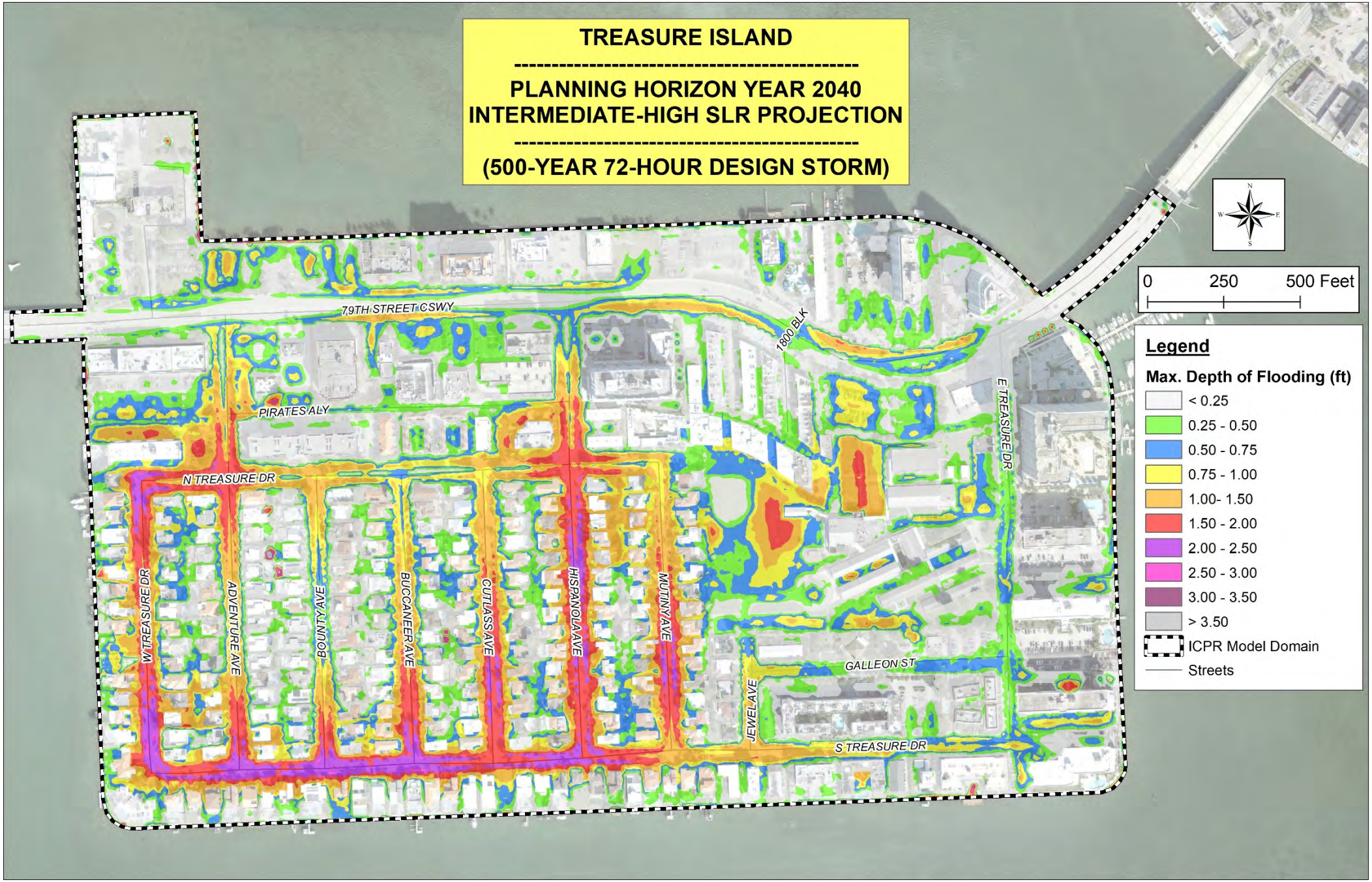

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(NO RAINFALL)
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

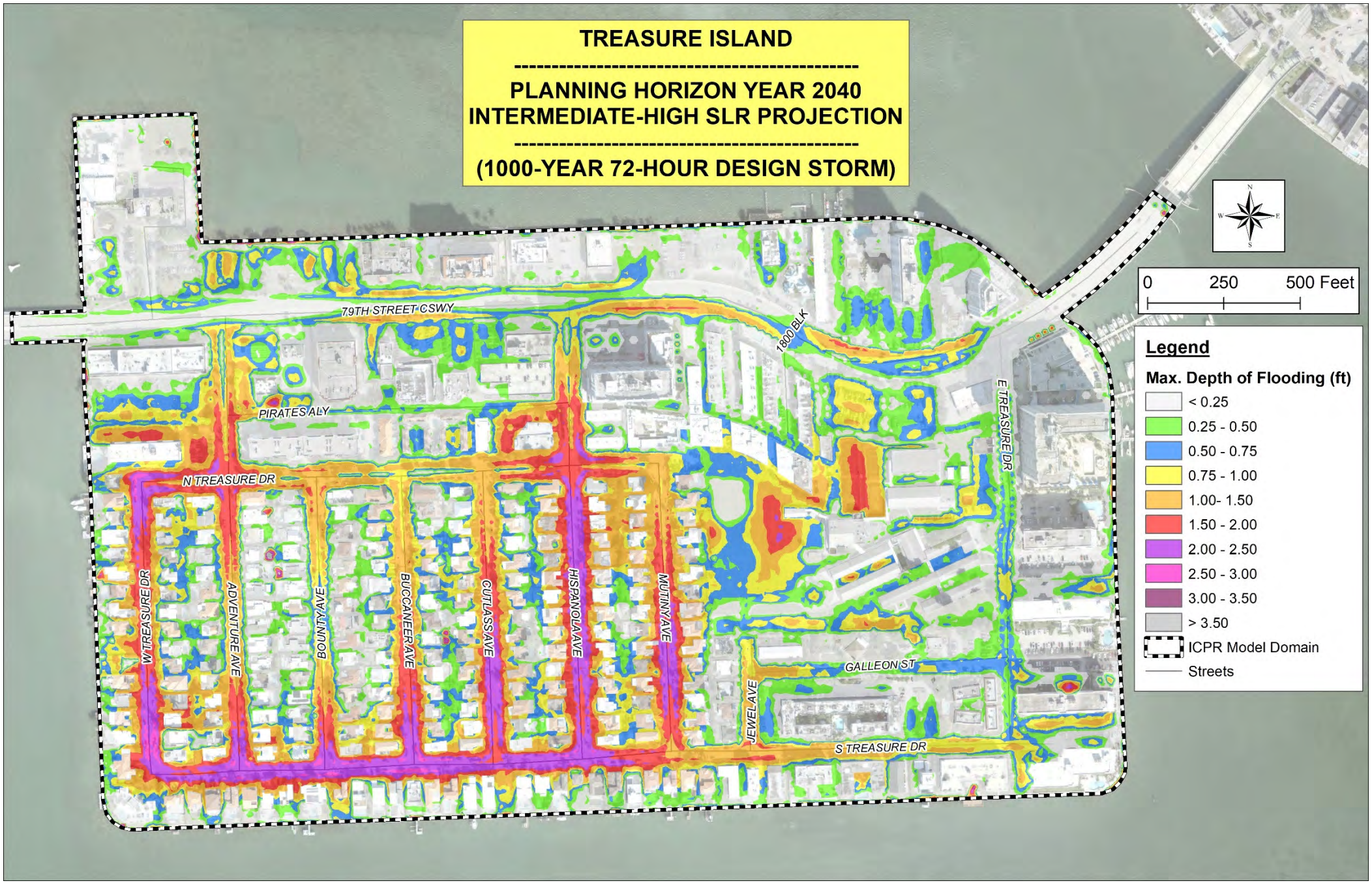

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR

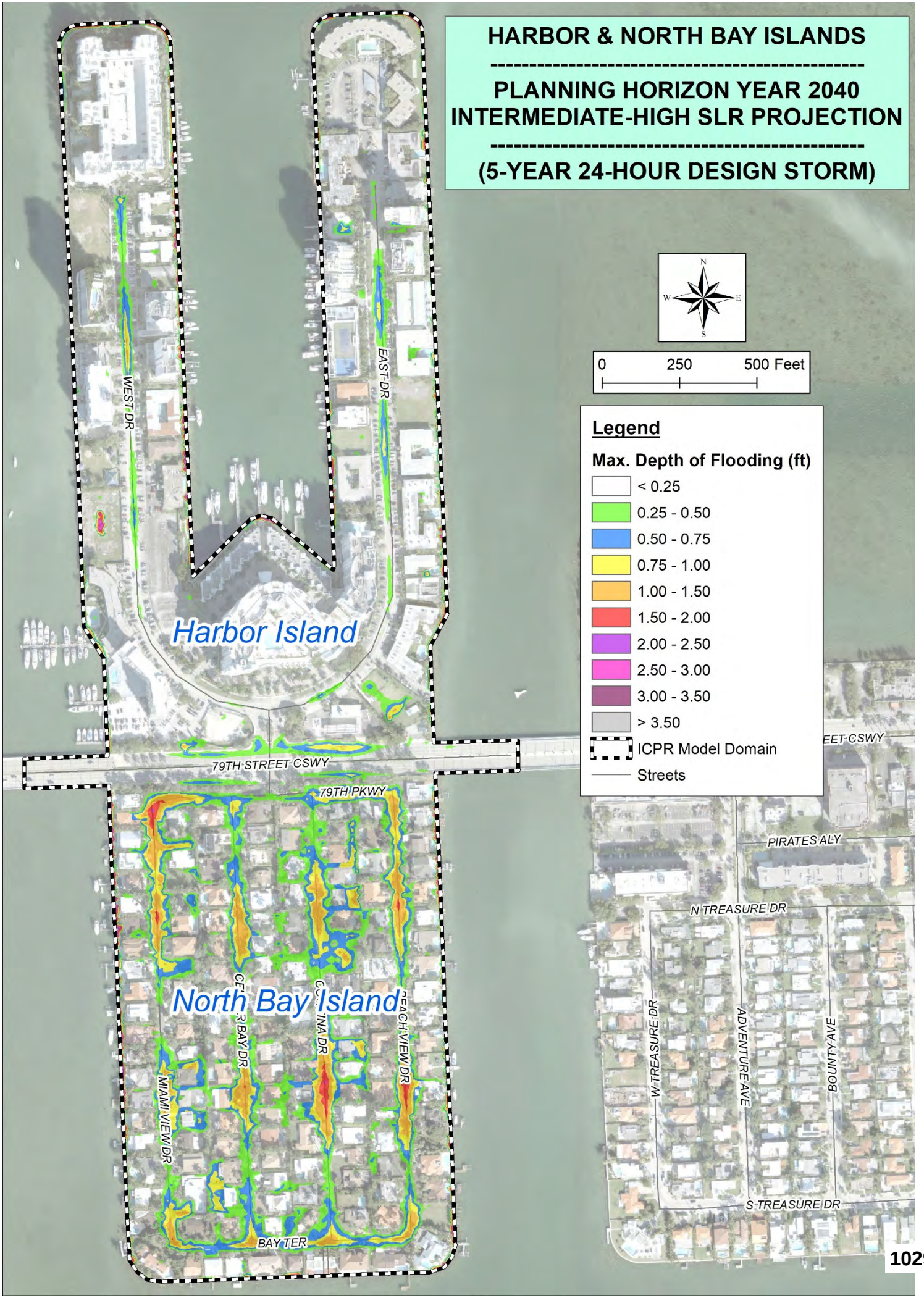

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

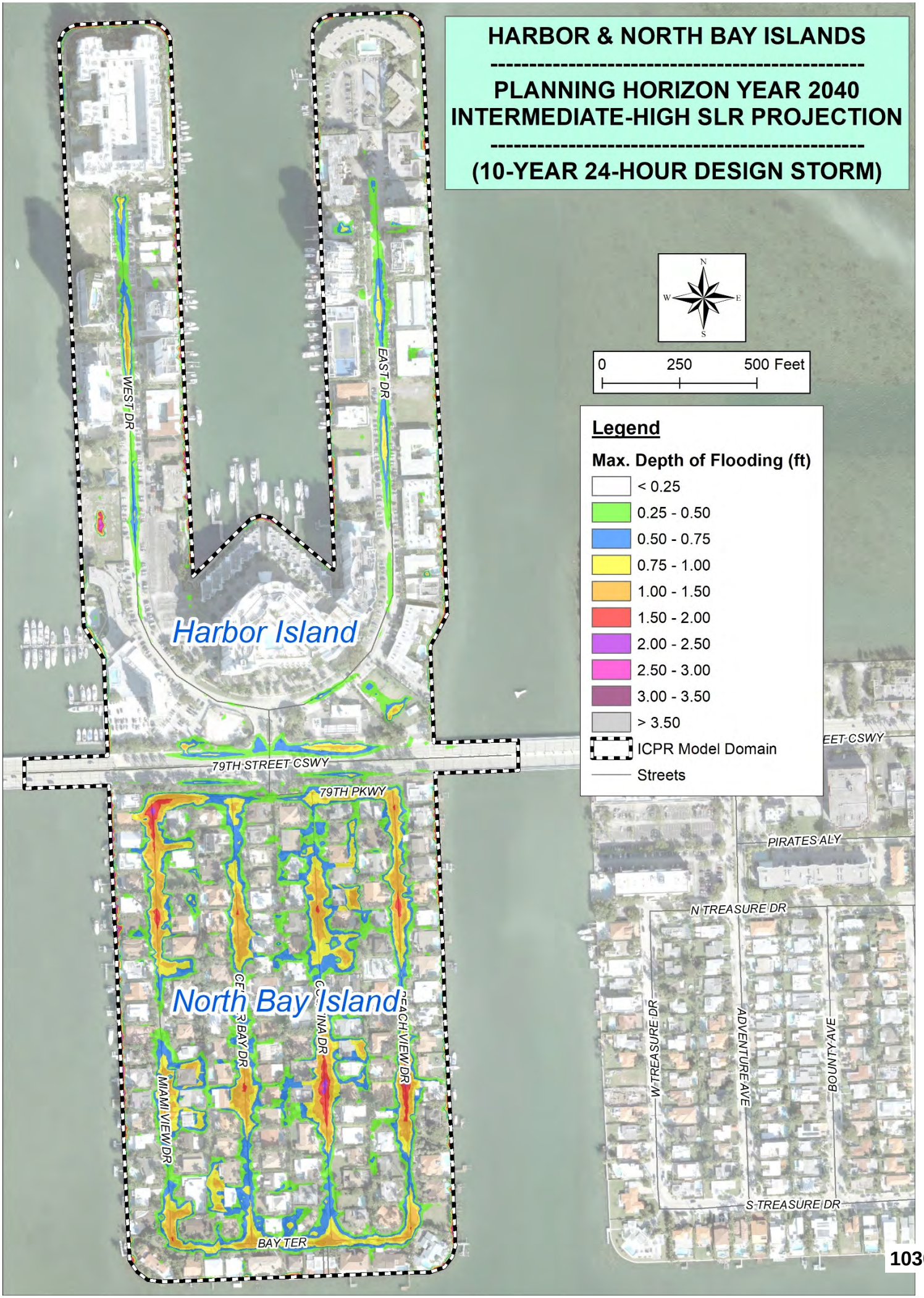

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

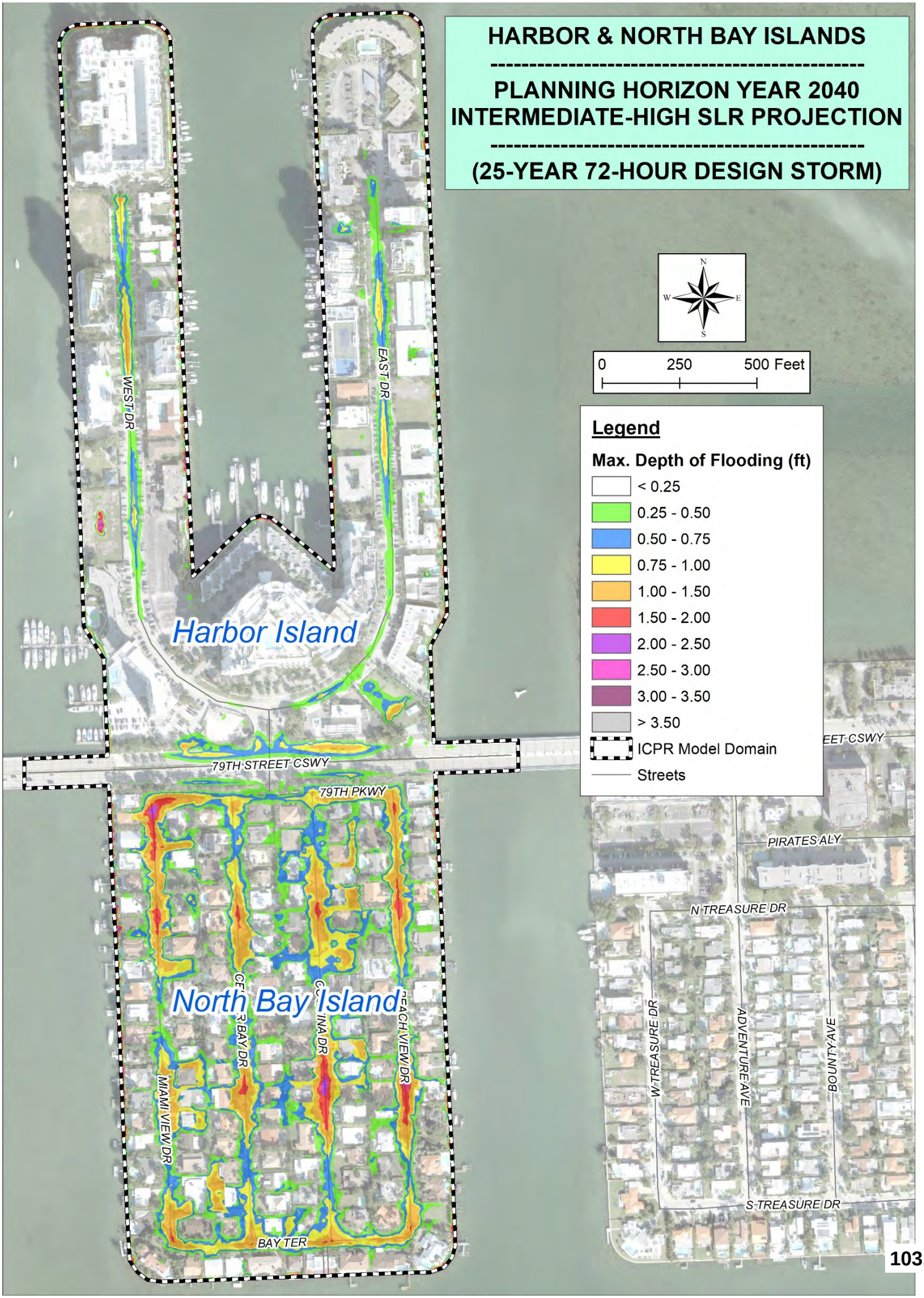

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(500-YEAR 72-HOUR DESIGN STORM)
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR

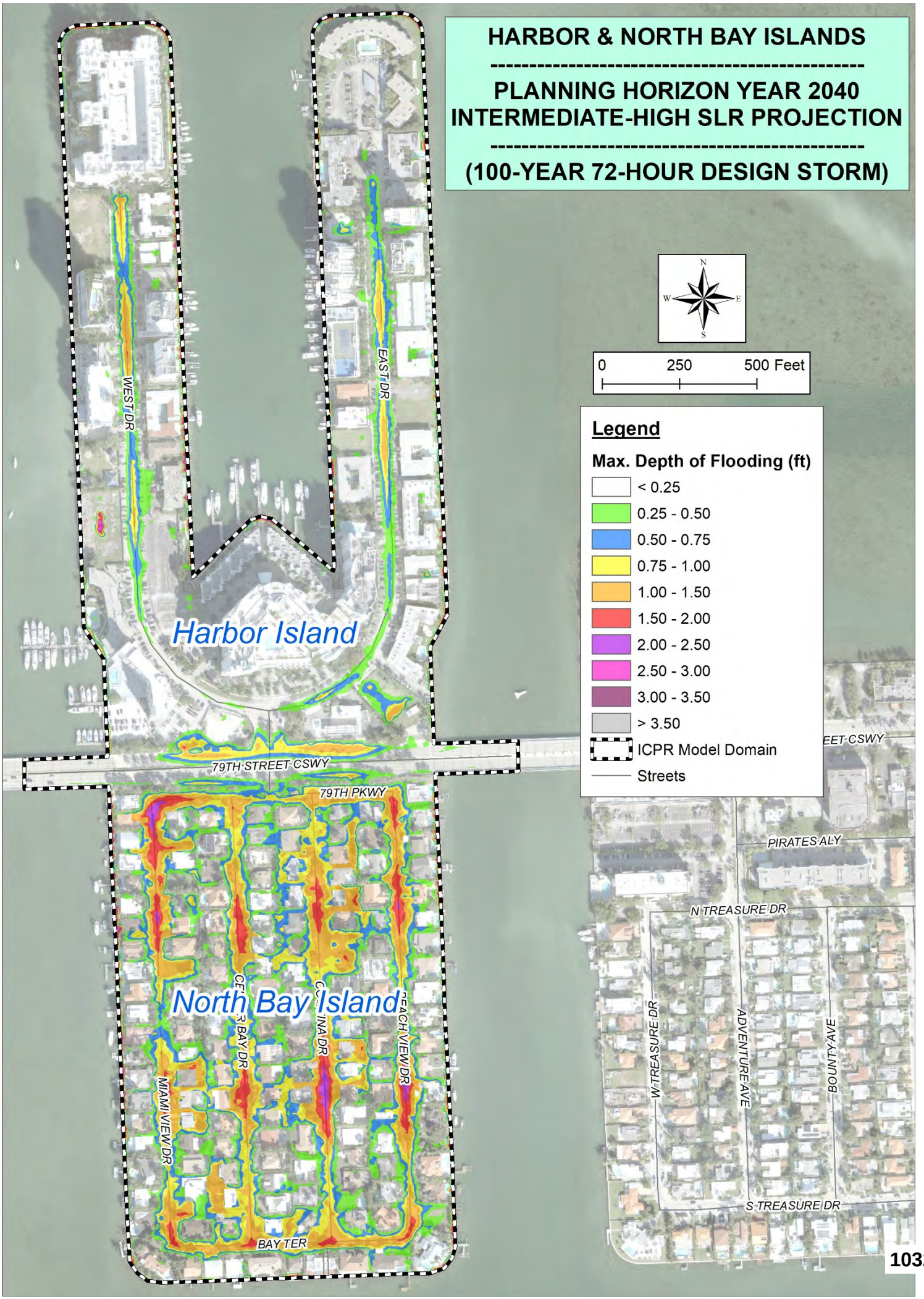

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(1000-YEAR 72-HOUR DESIGN STORM)
0 250 500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(NO RAINFALL)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

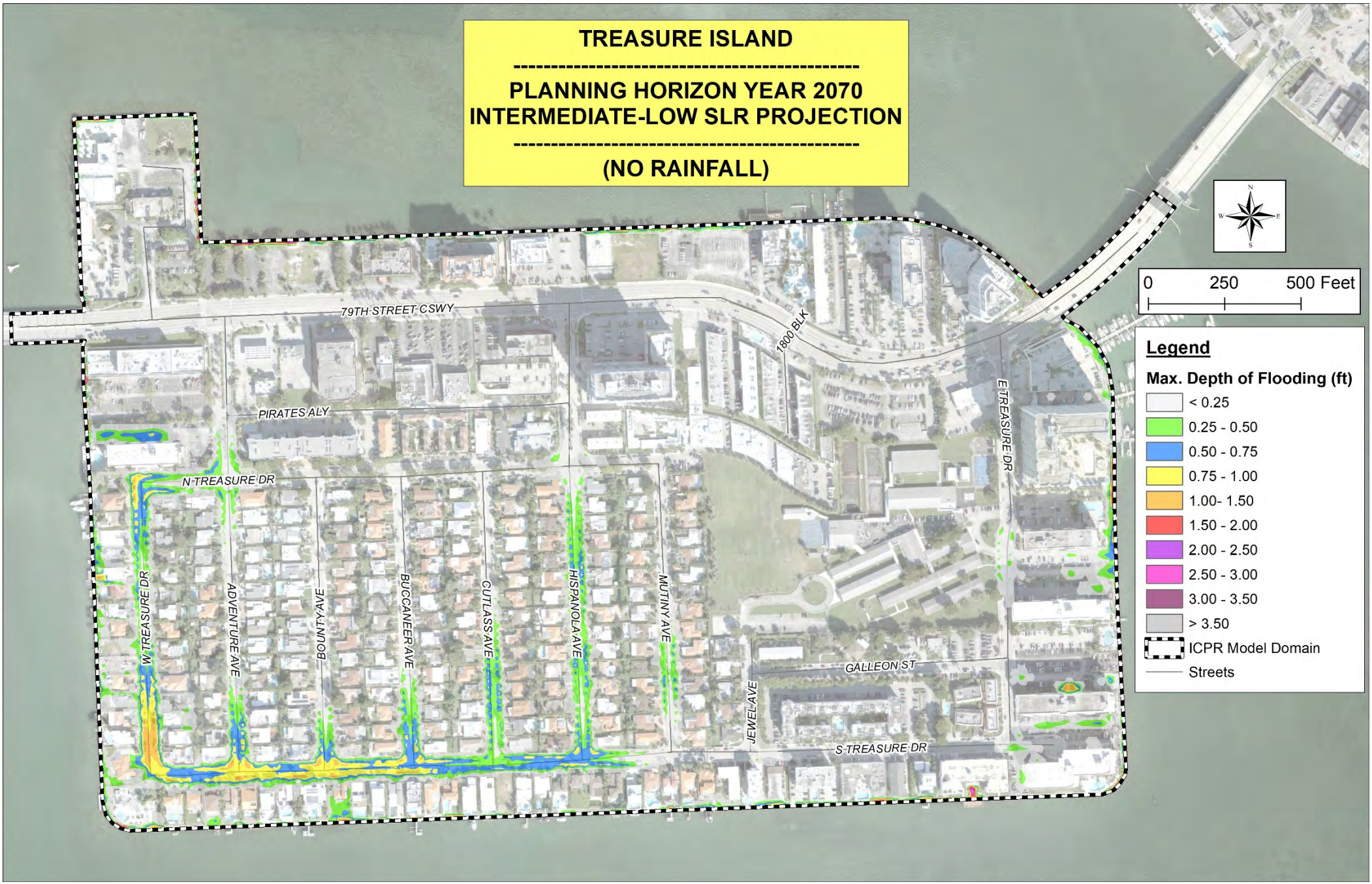

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(500-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
(1000-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER

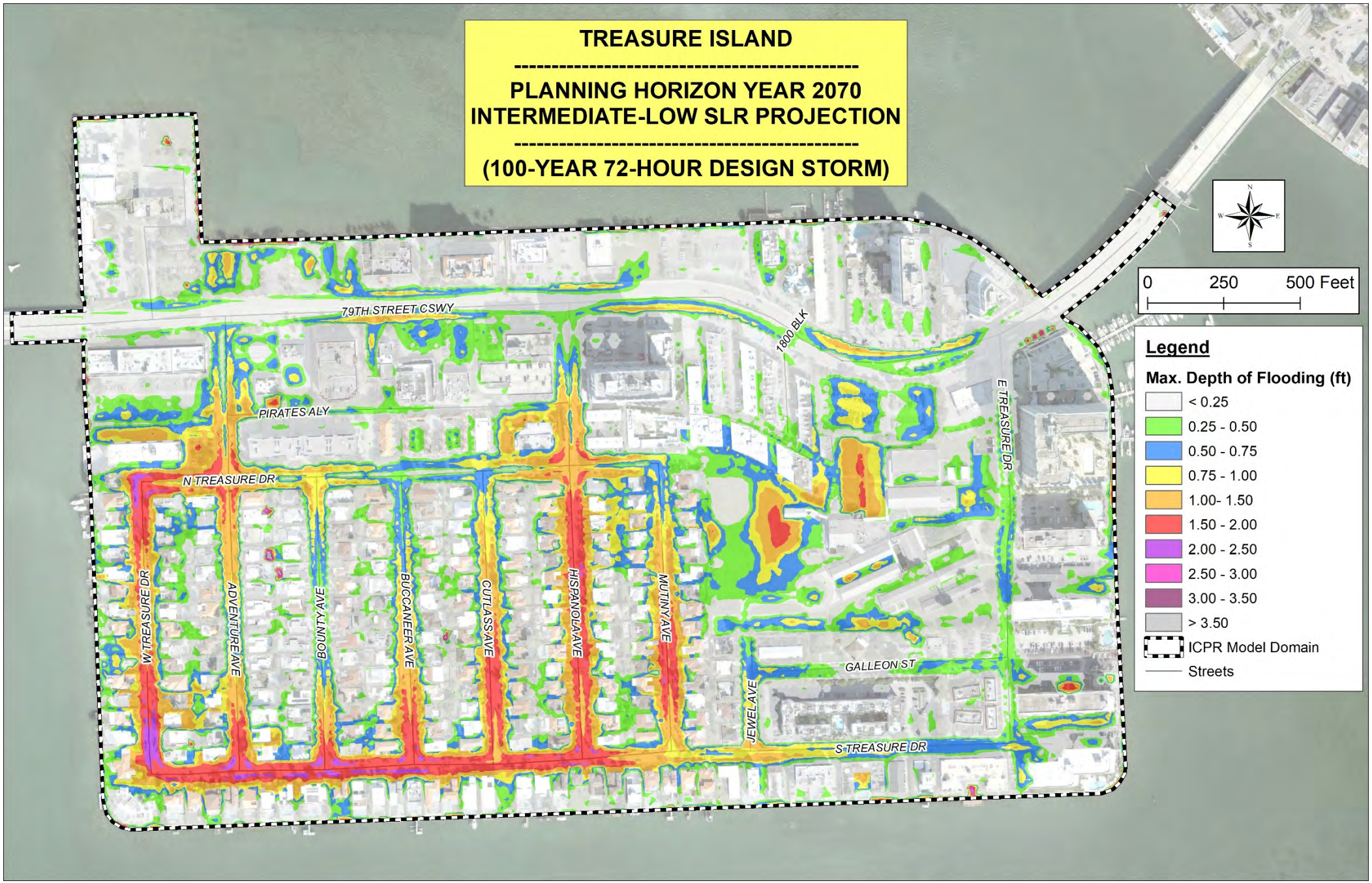
Appendix N – Depth of Flood Maps in 2070 Intermediate-Low SLR Scenario

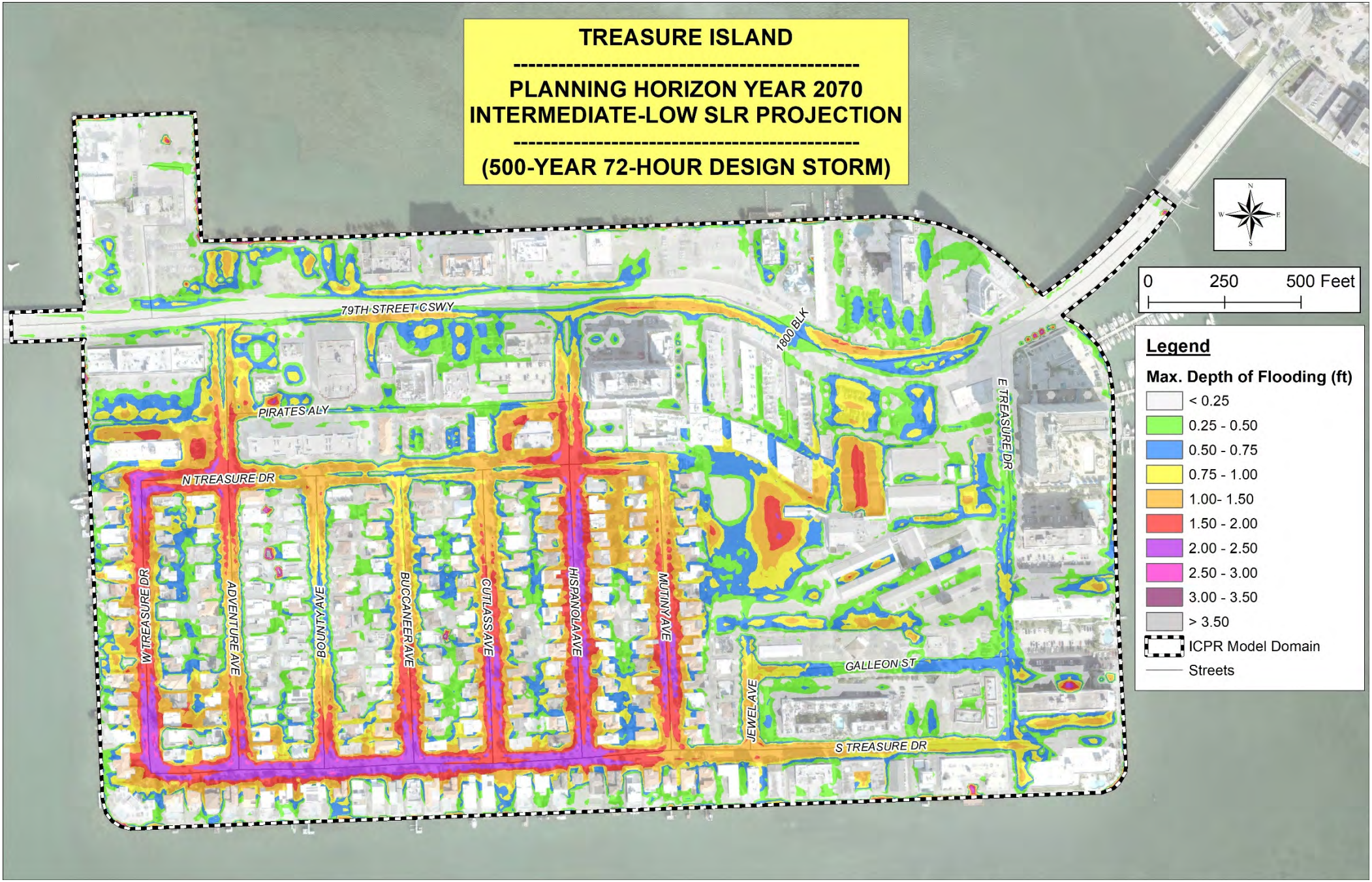

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(NO RAINFALL)
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

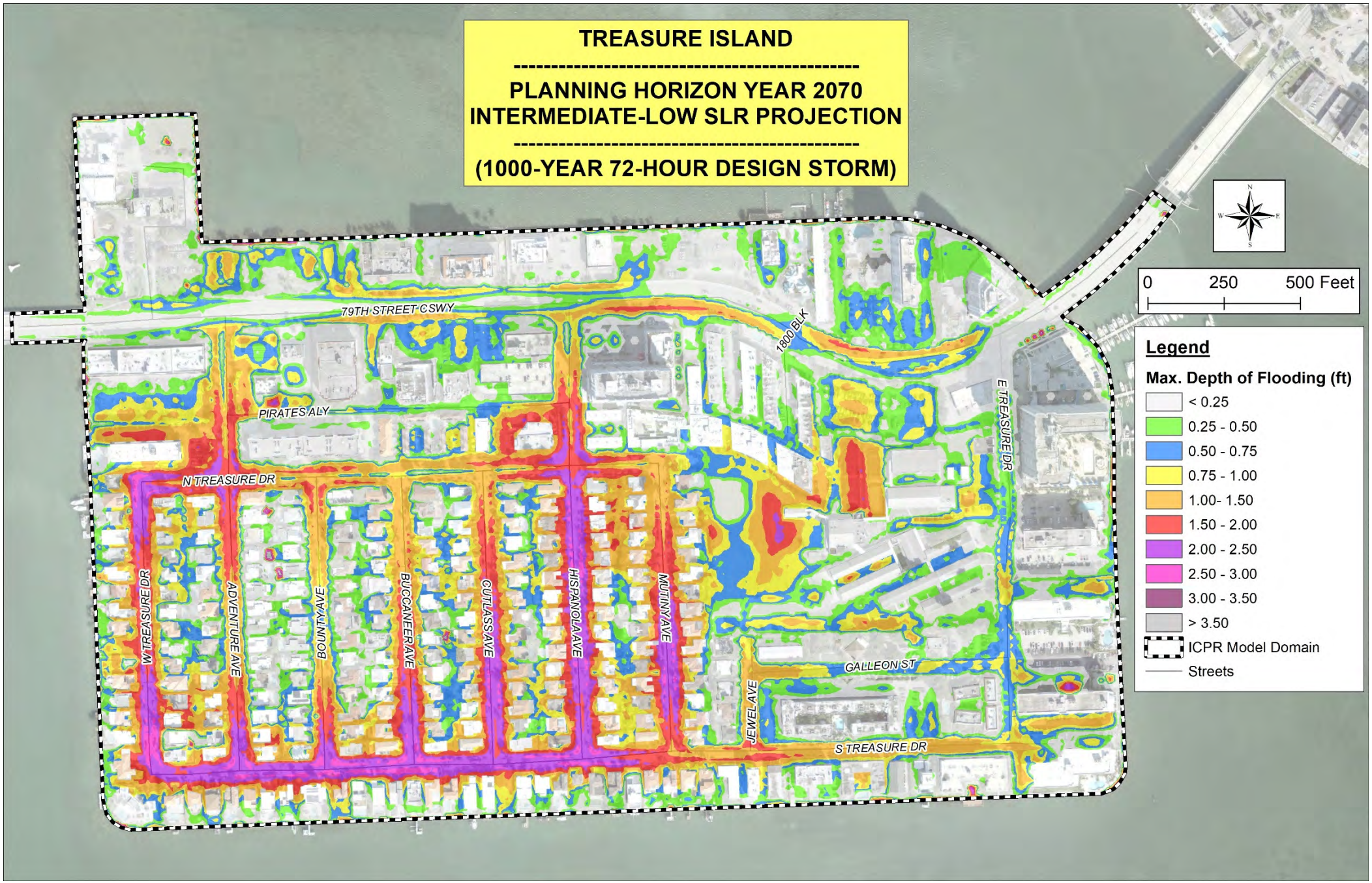

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
0 250 500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

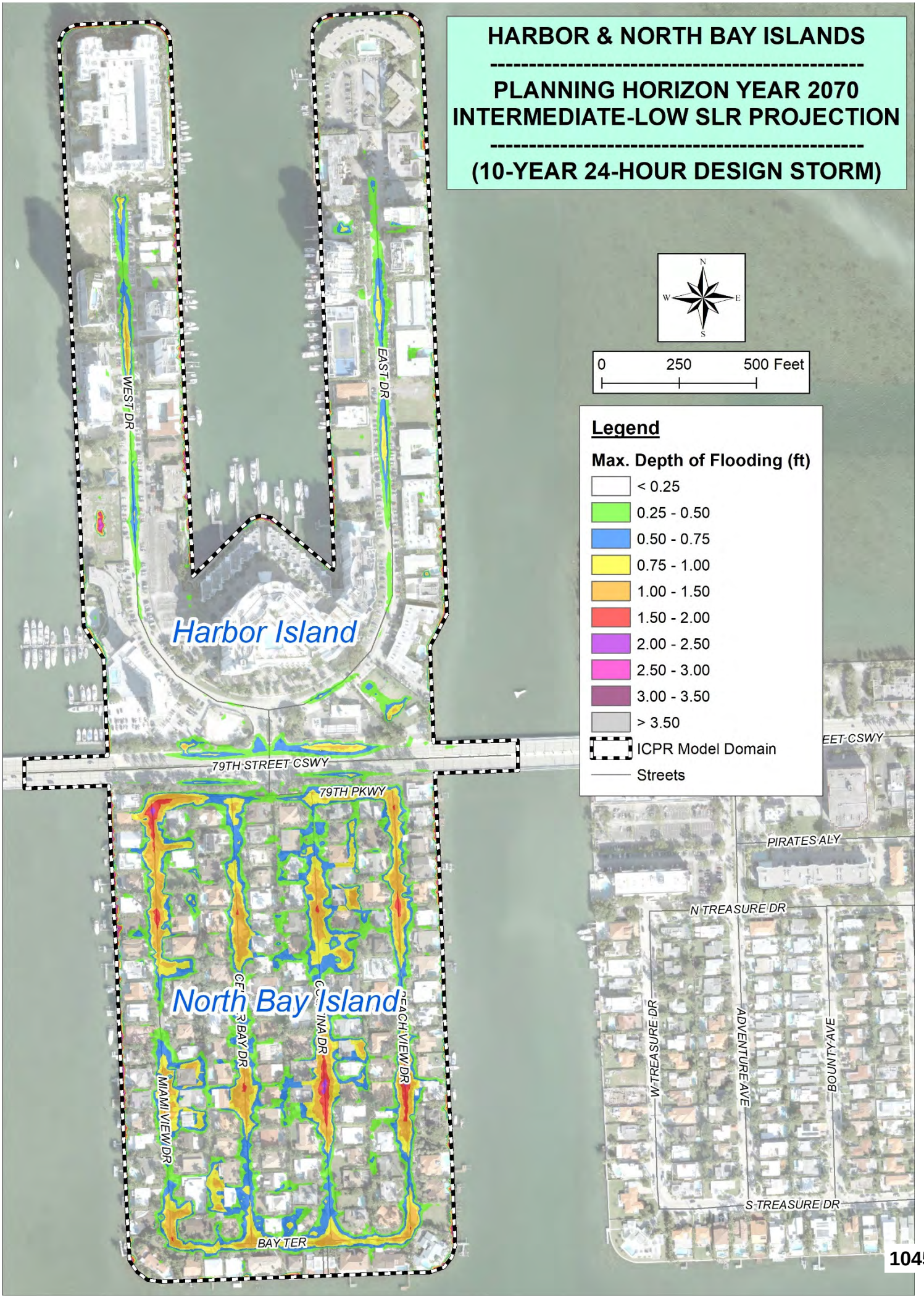

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR

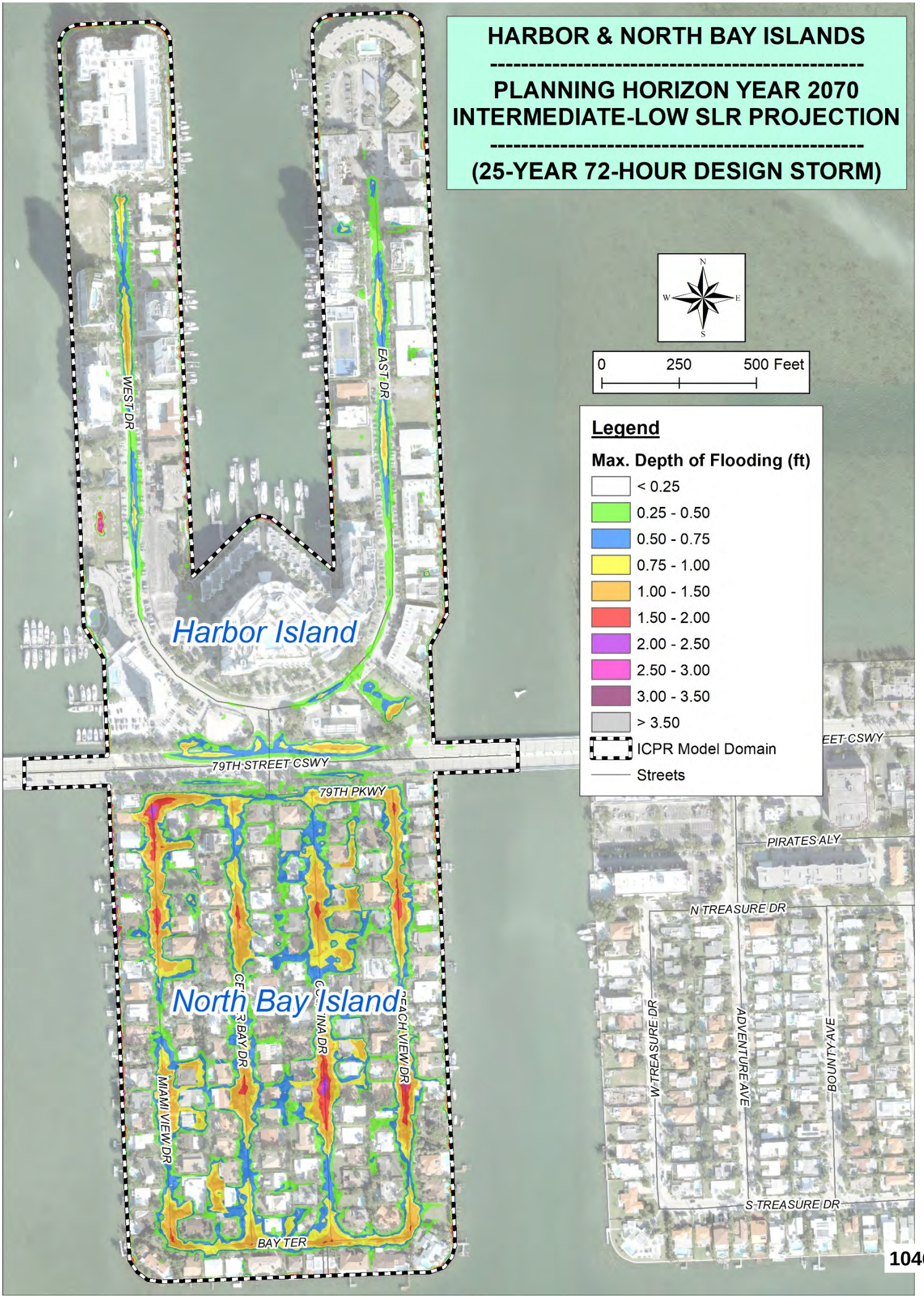

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(500-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

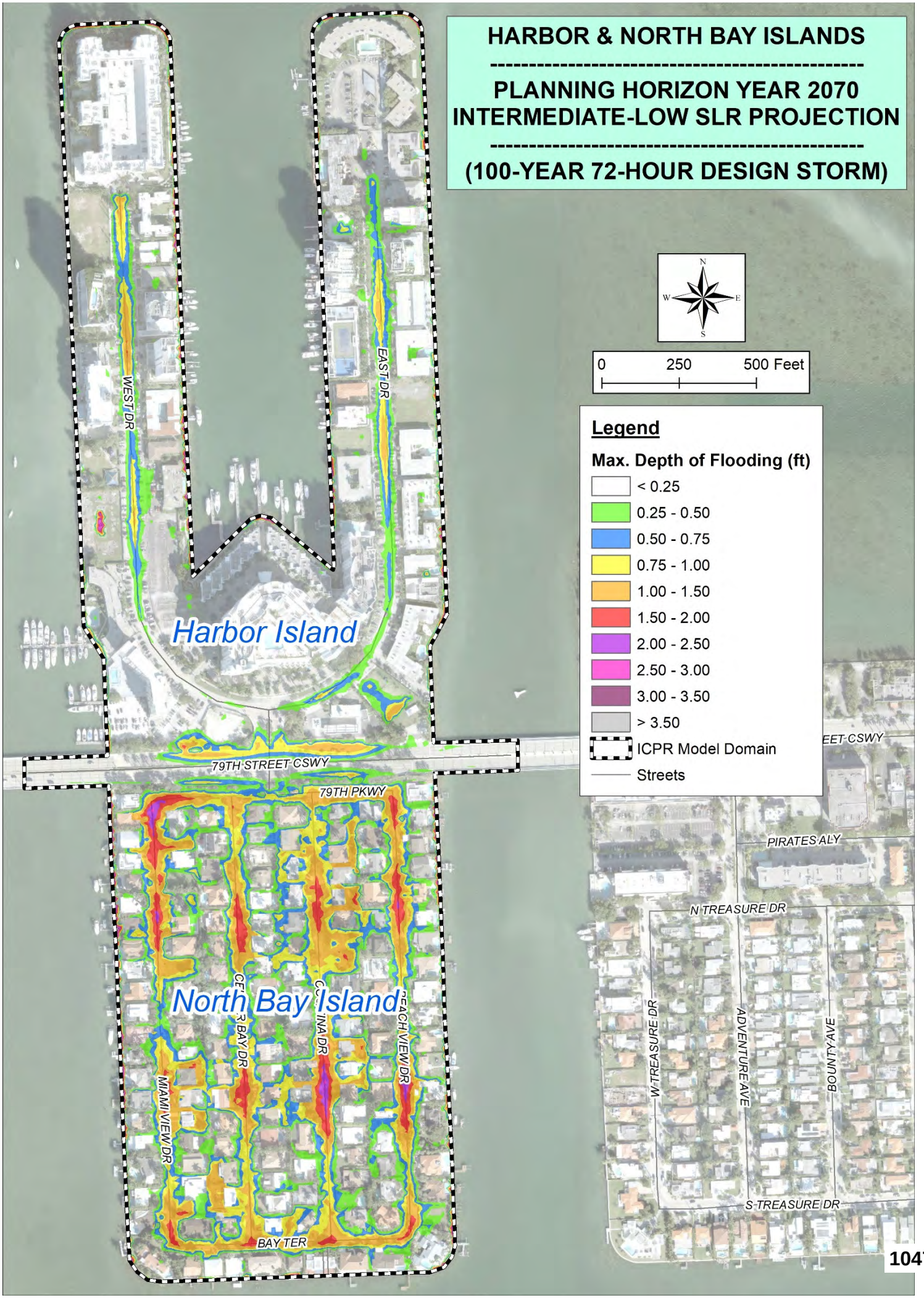

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(1000-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(NO RAINFALL)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

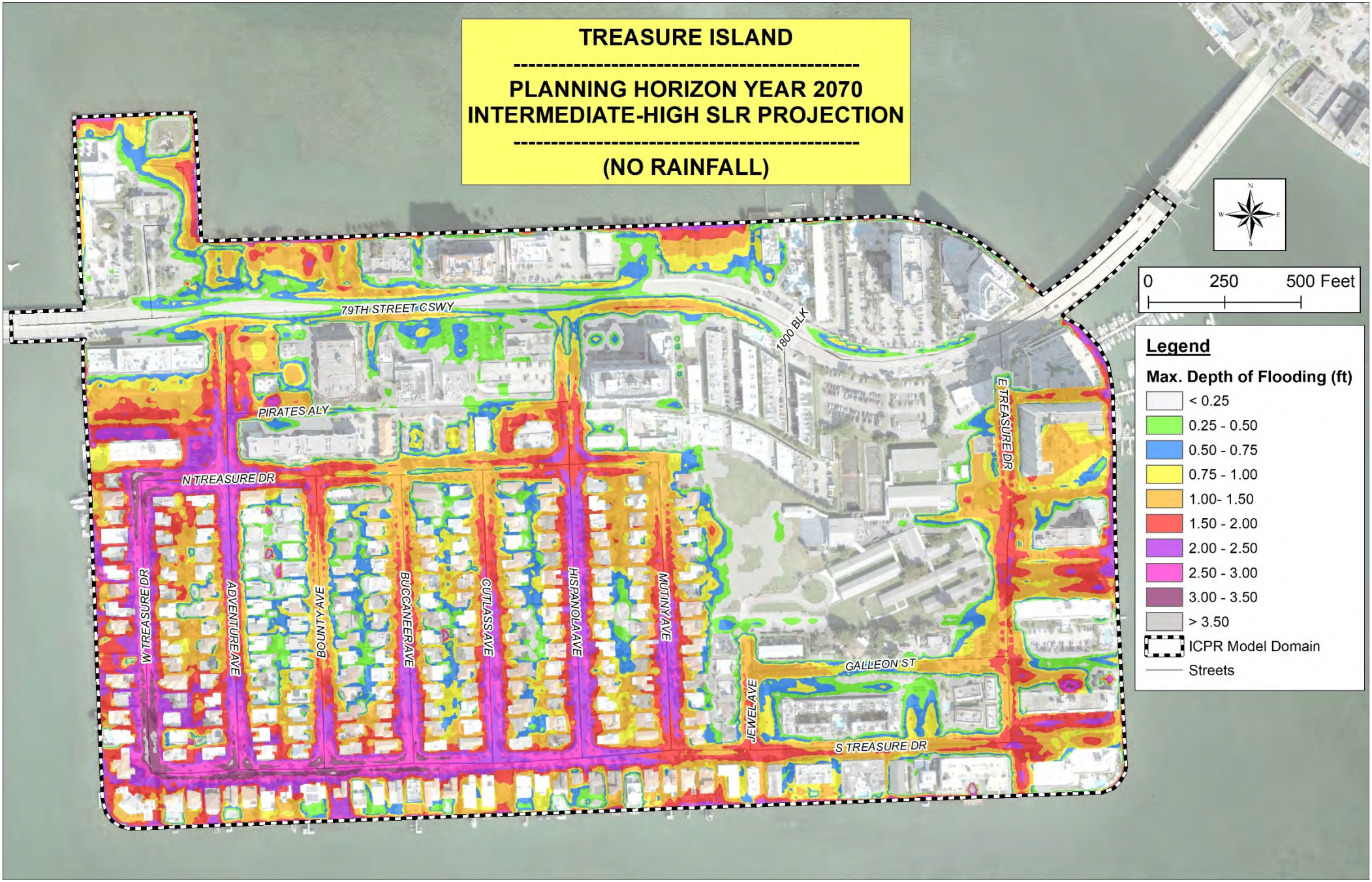

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER

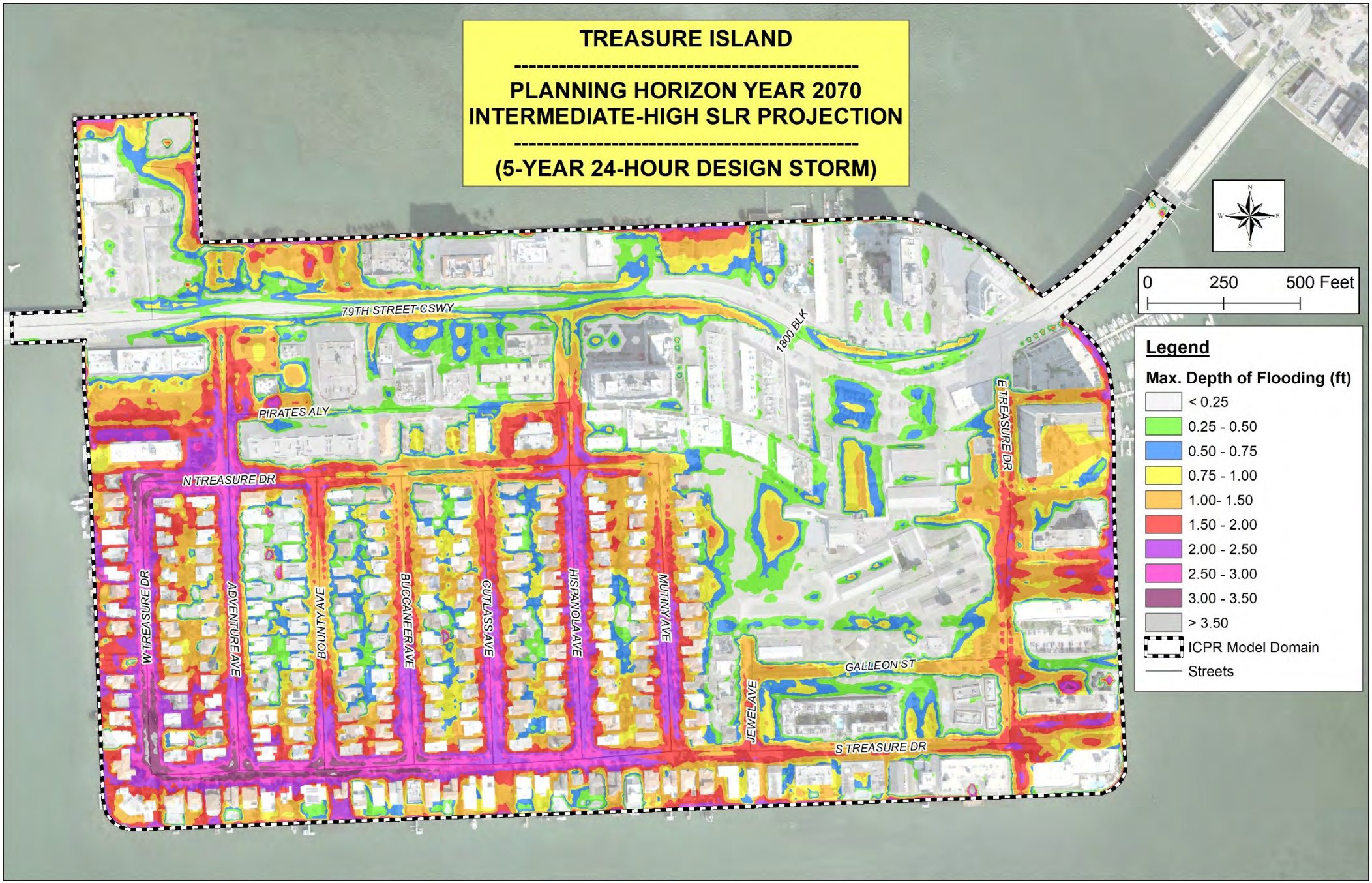

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

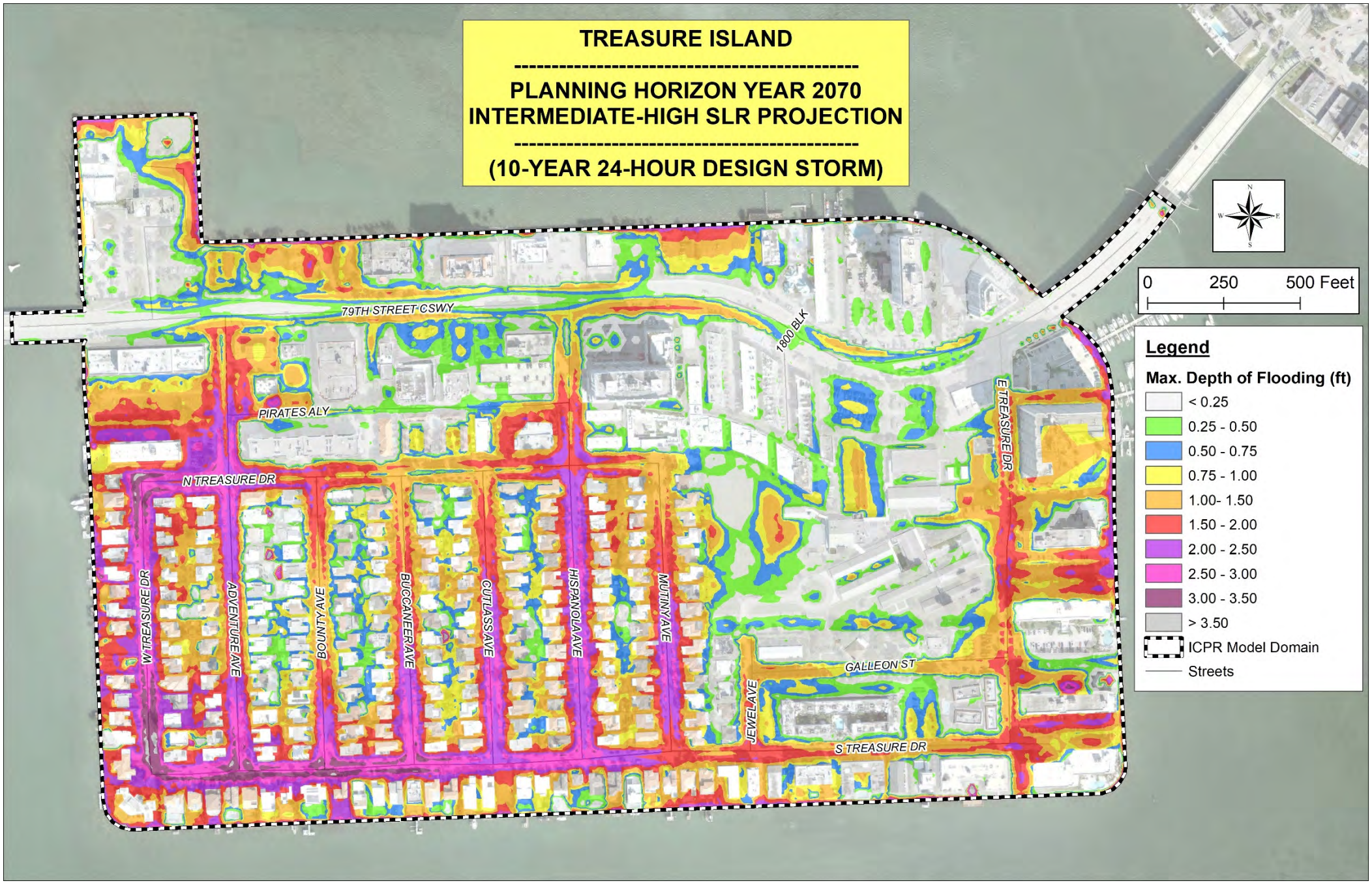

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(500-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

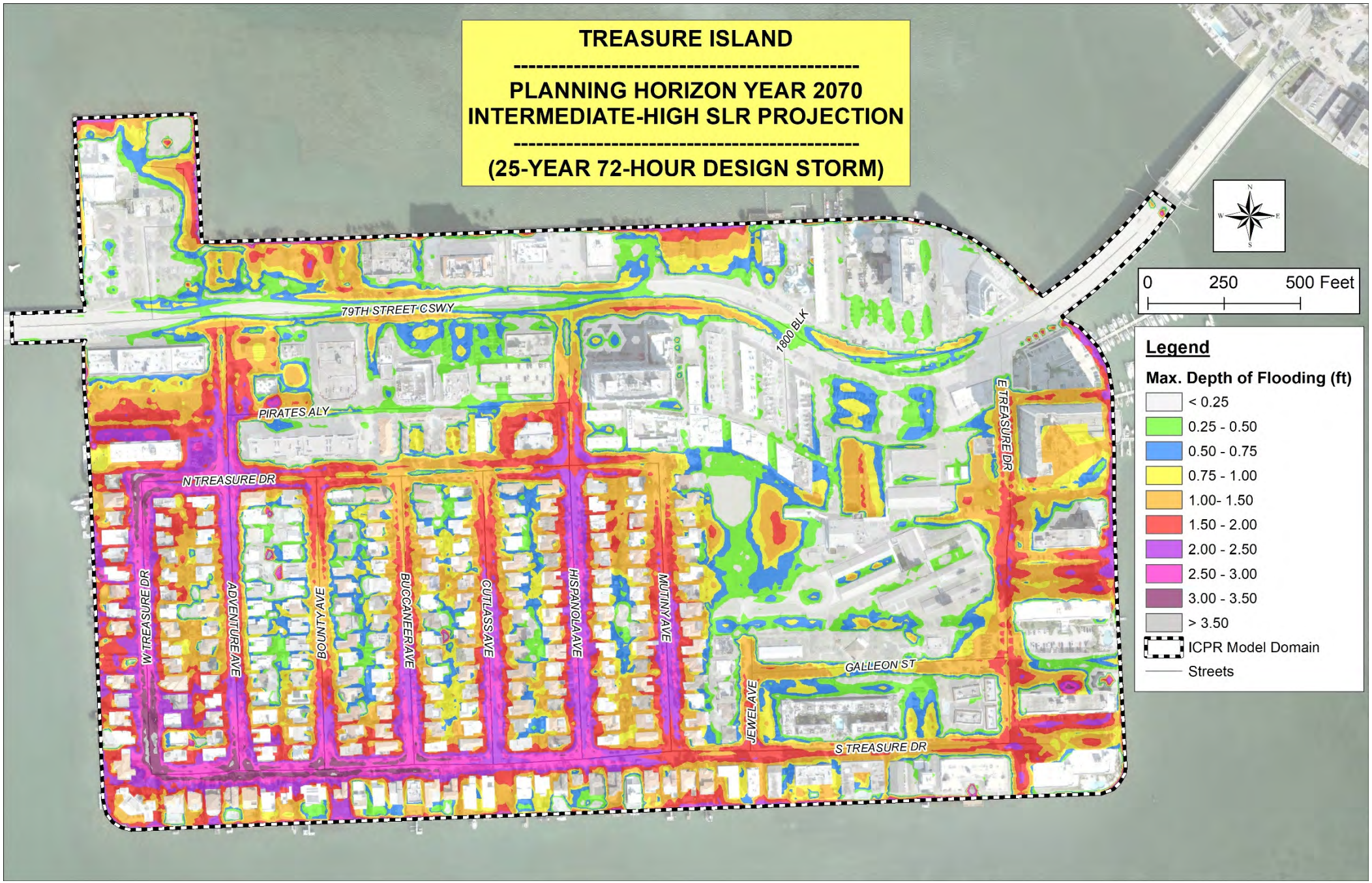

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
(1000-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER

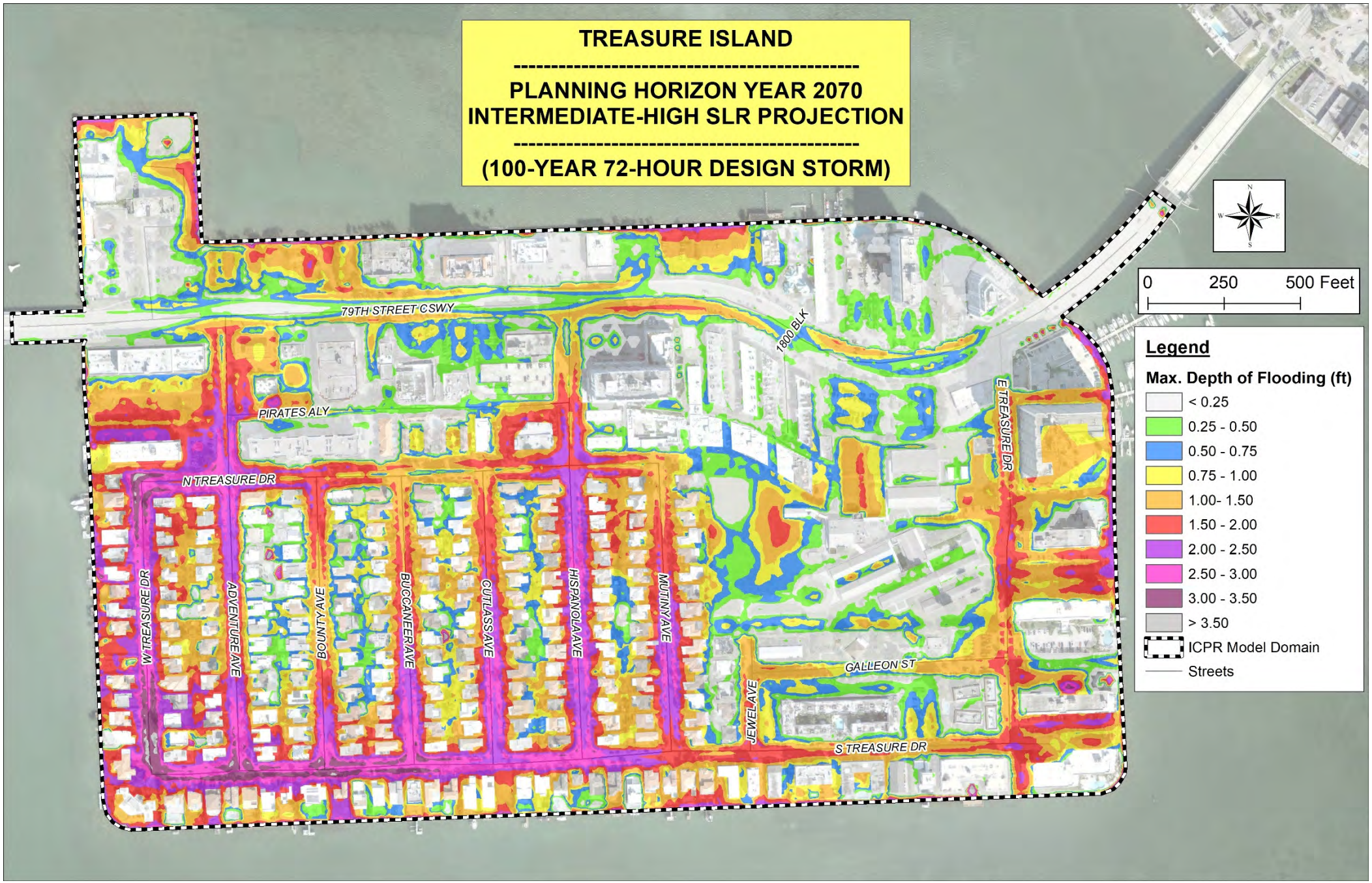
Appendix O – Depth of Flood Maps in 2070 Intermediate-High SLR Scenario

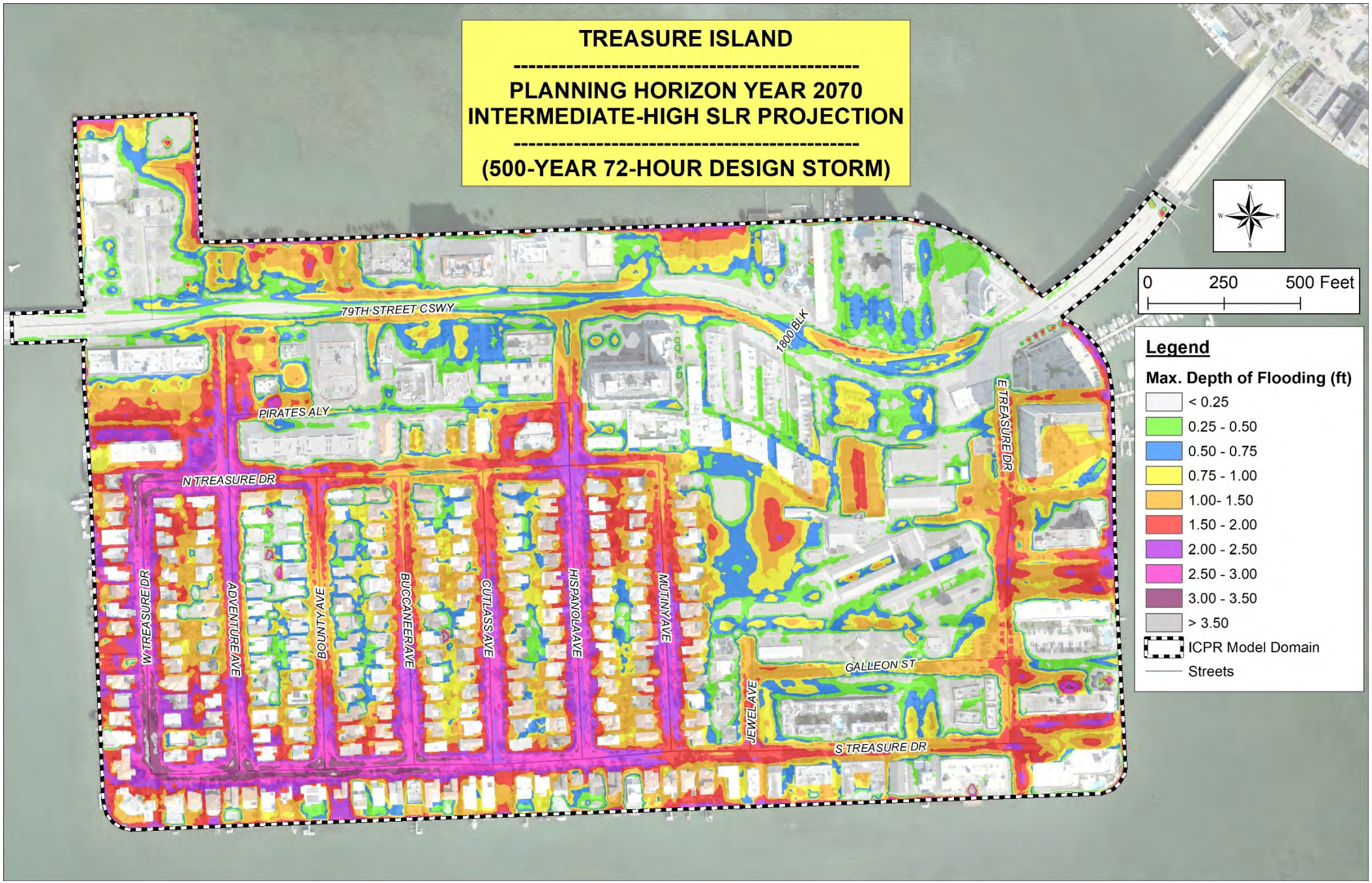

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(NO RAINFALL)
0 250 500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

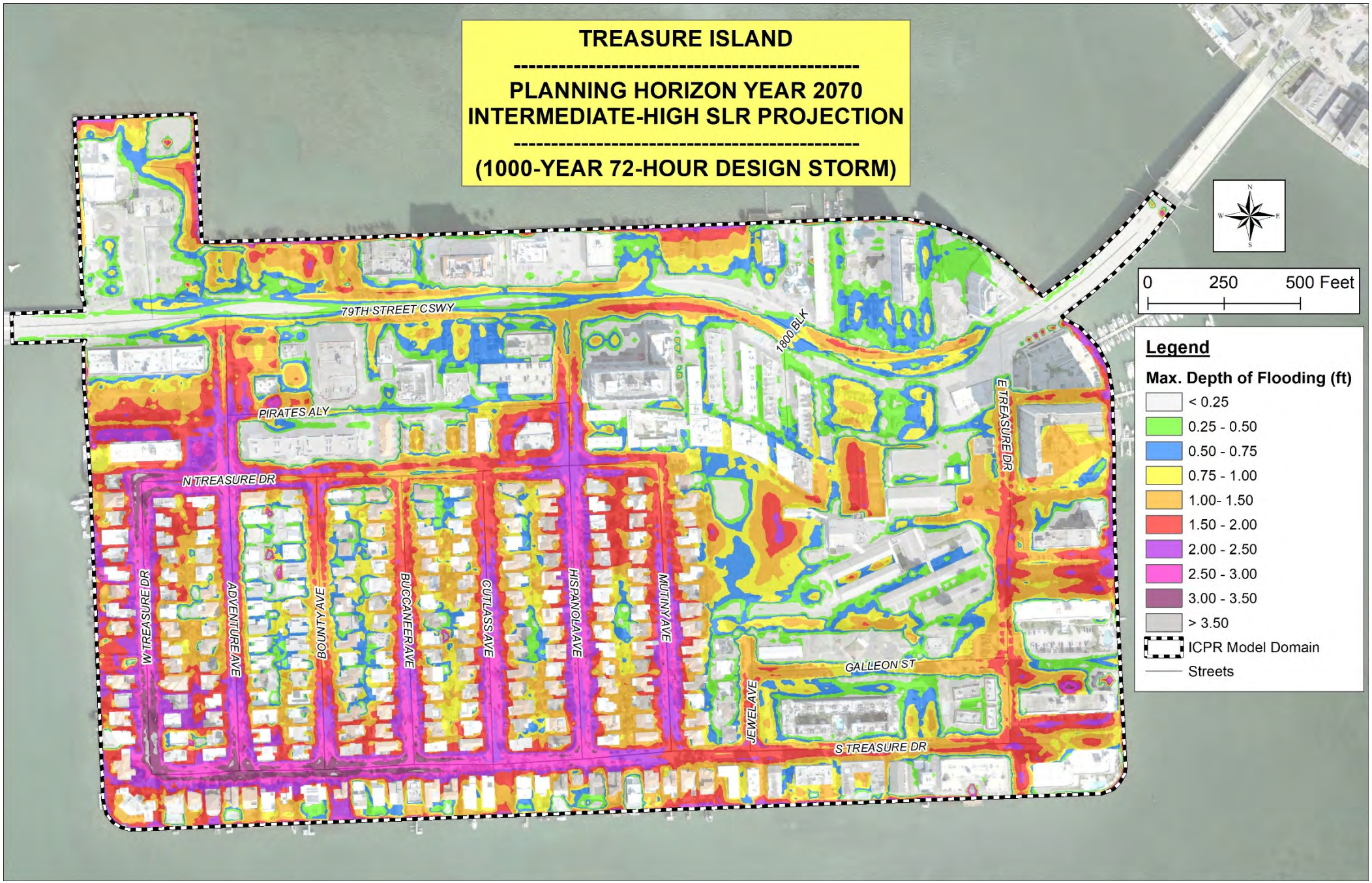

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
0 250 500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR

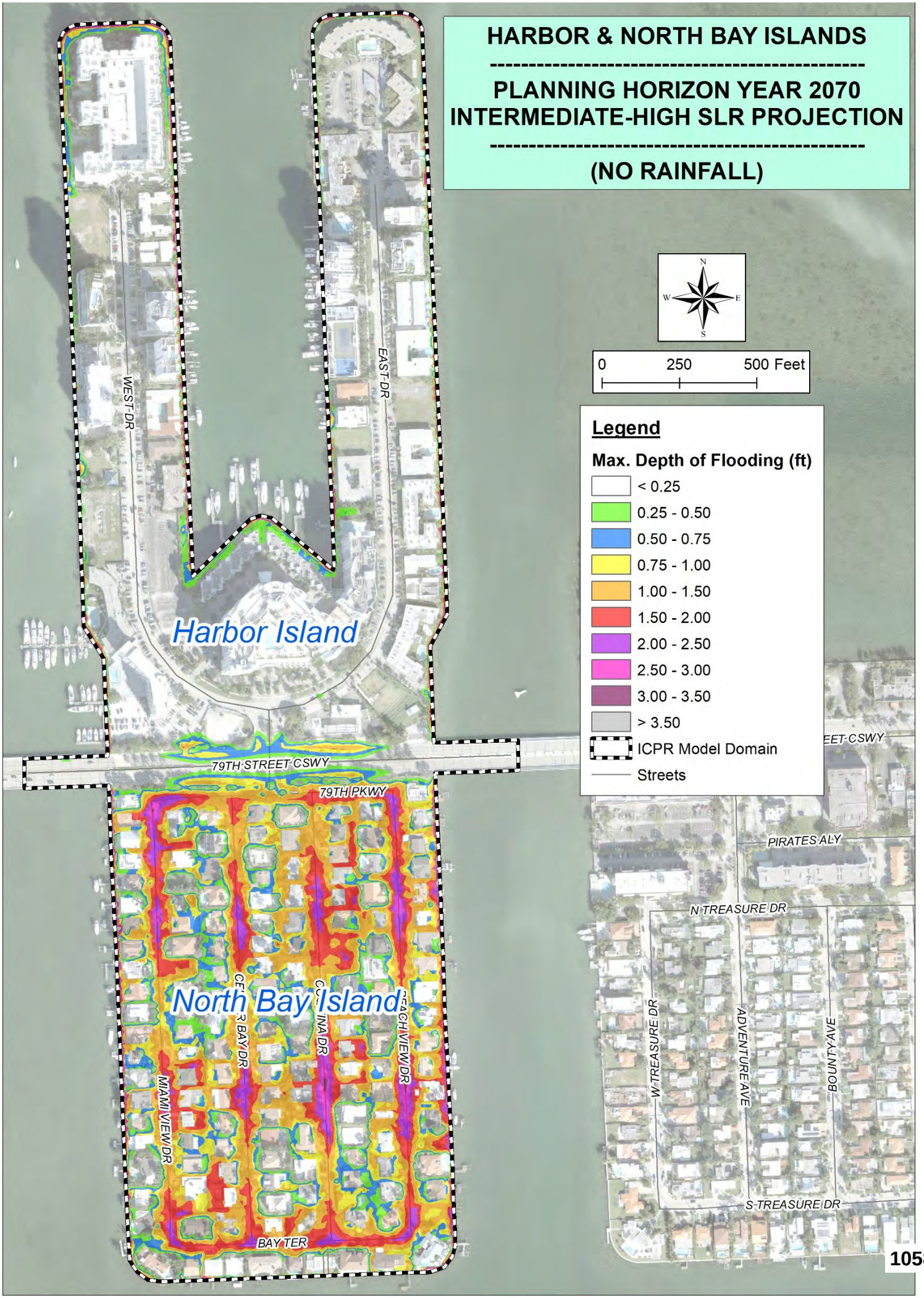

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR

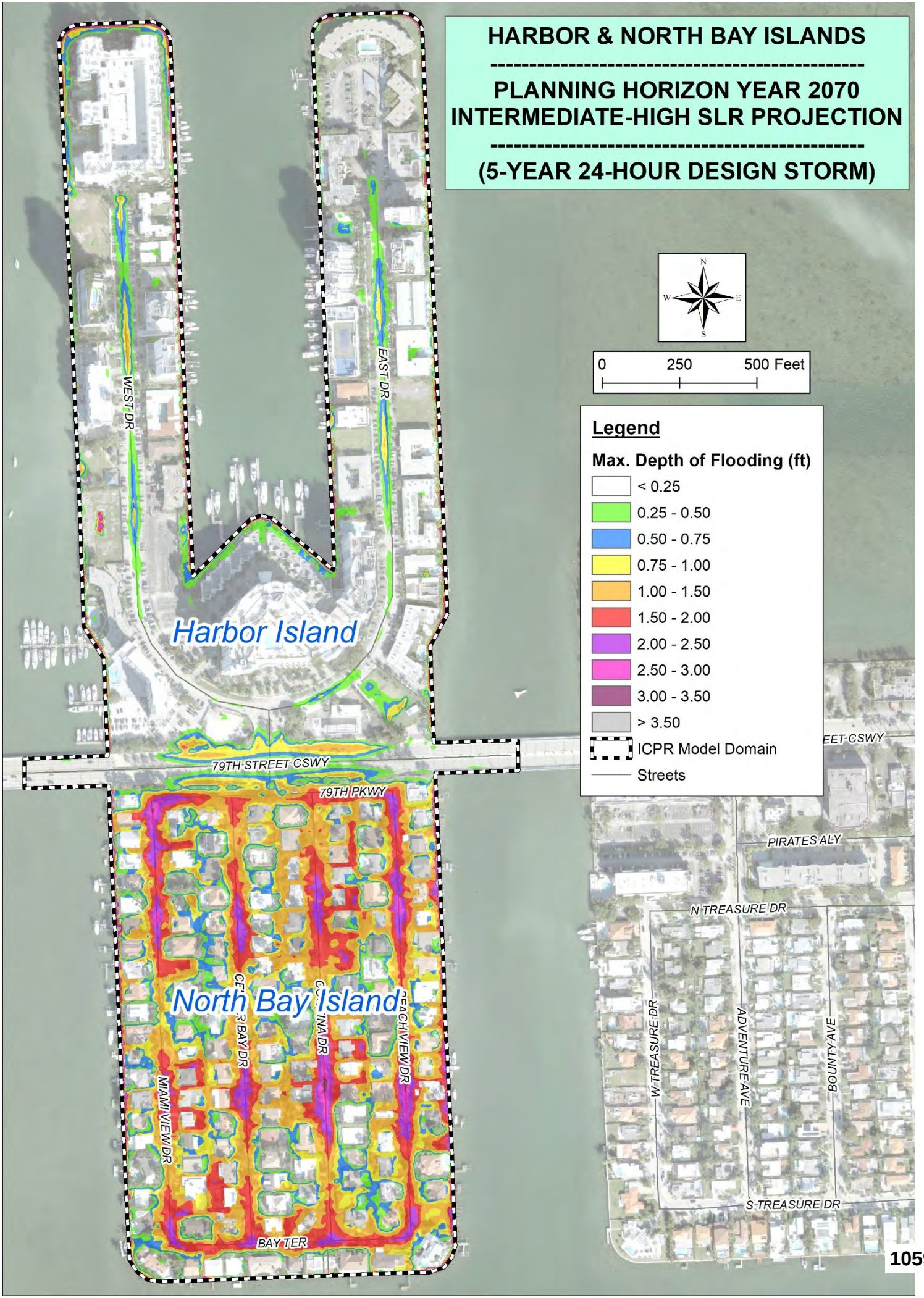

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

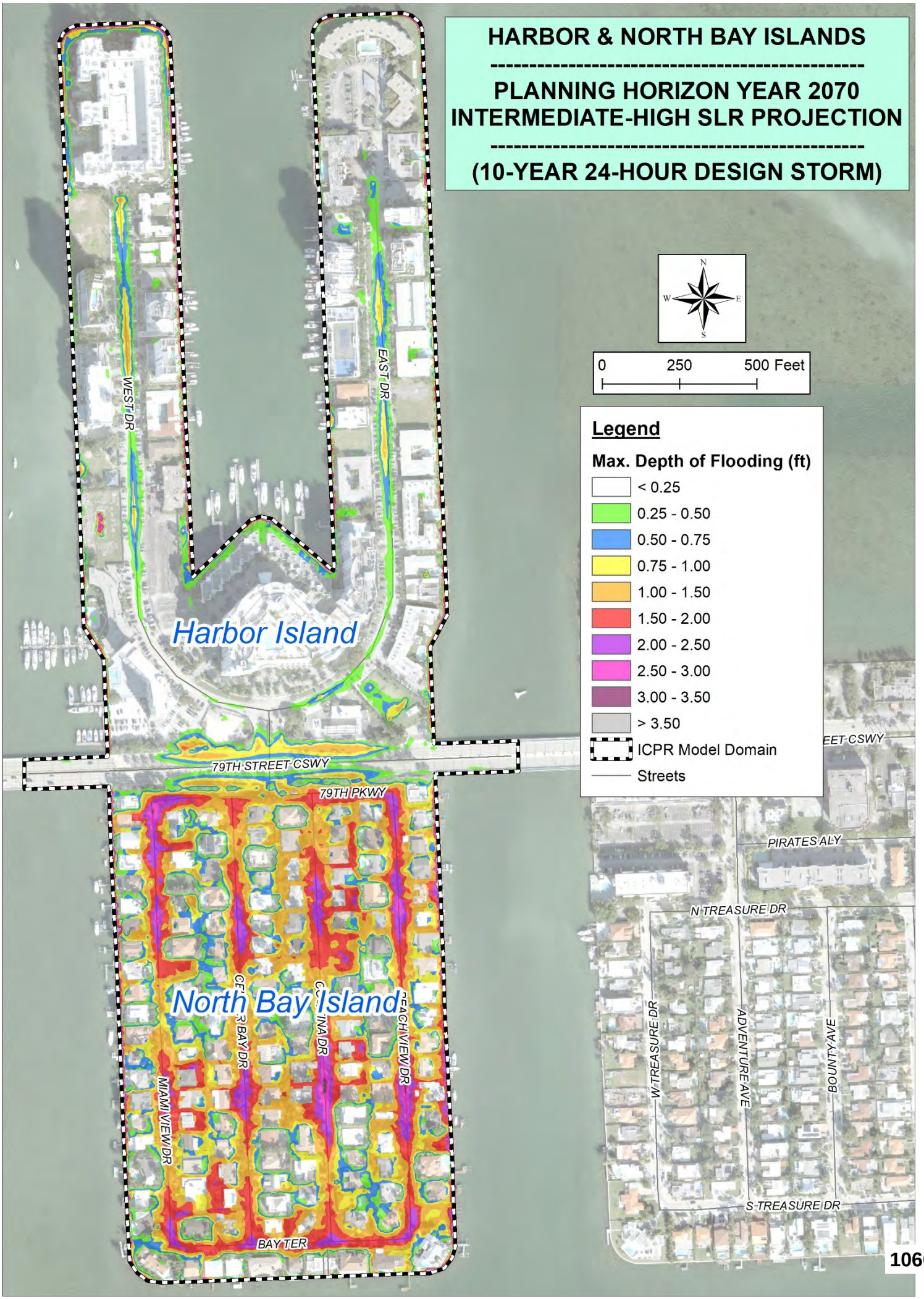

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

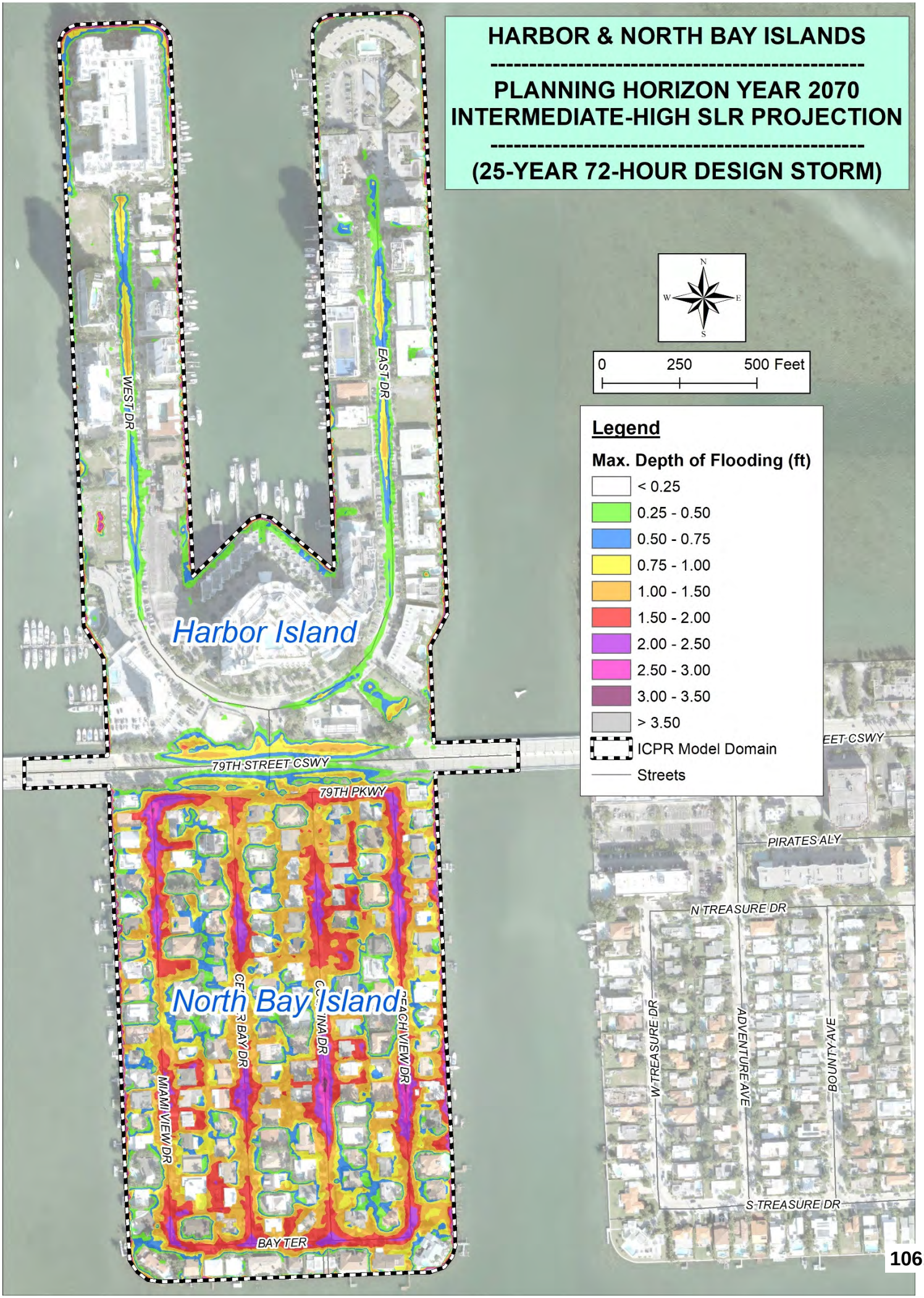

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(500-YEAR 72-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

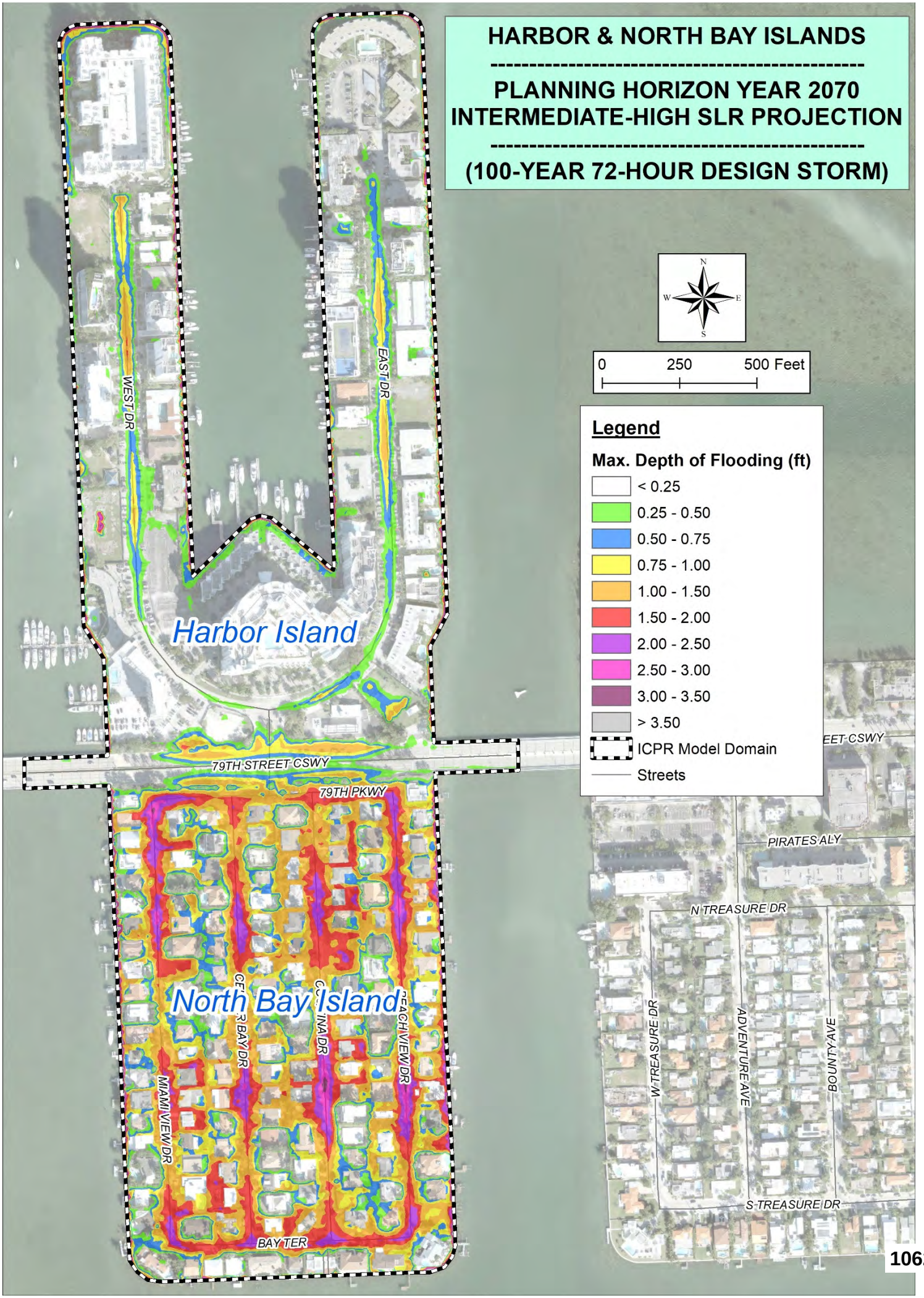

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(1000-YEAR 72-HOUR DESIGN STORM)
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
E TREASURE DR
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

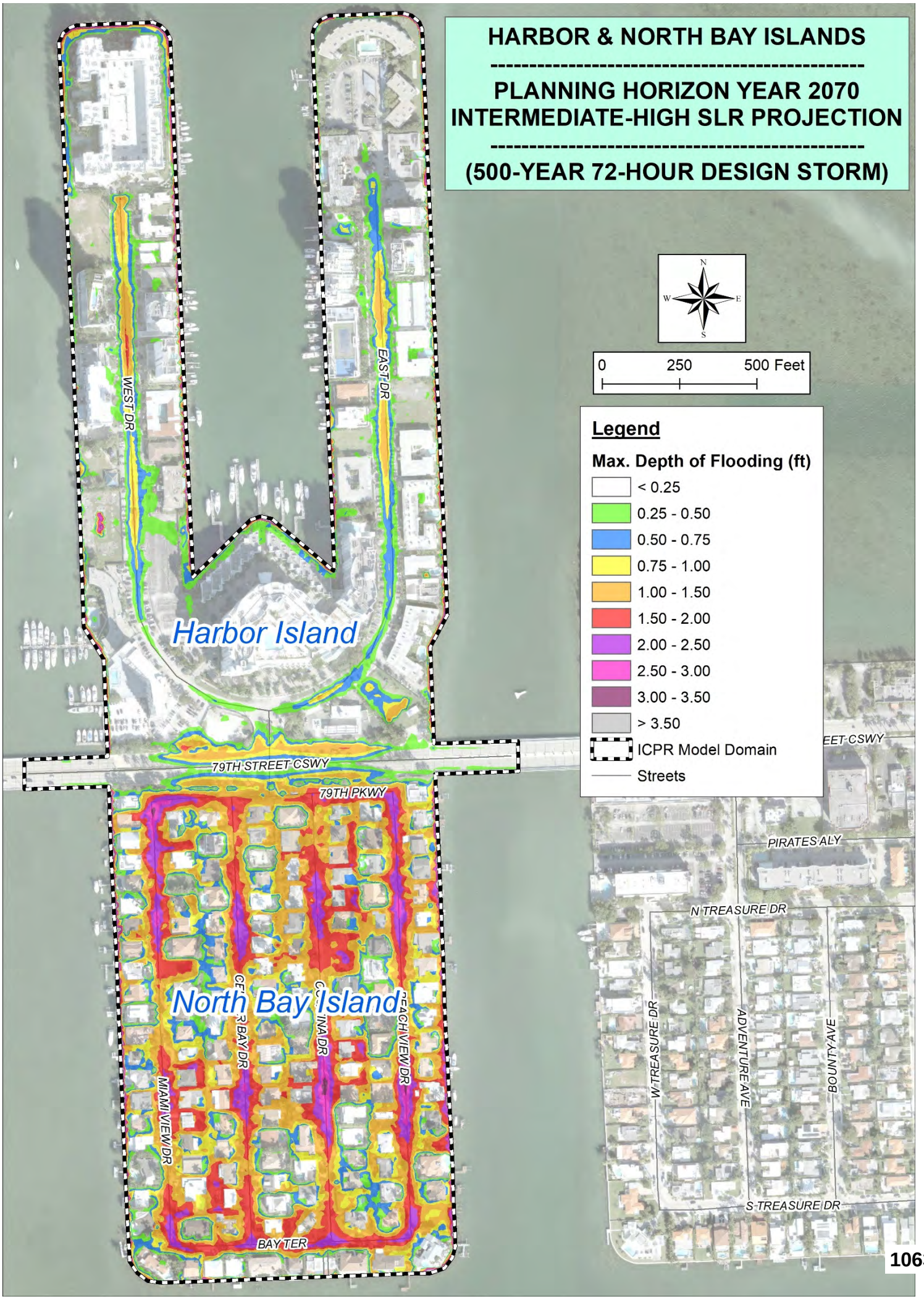

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(NO RAINFALL)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

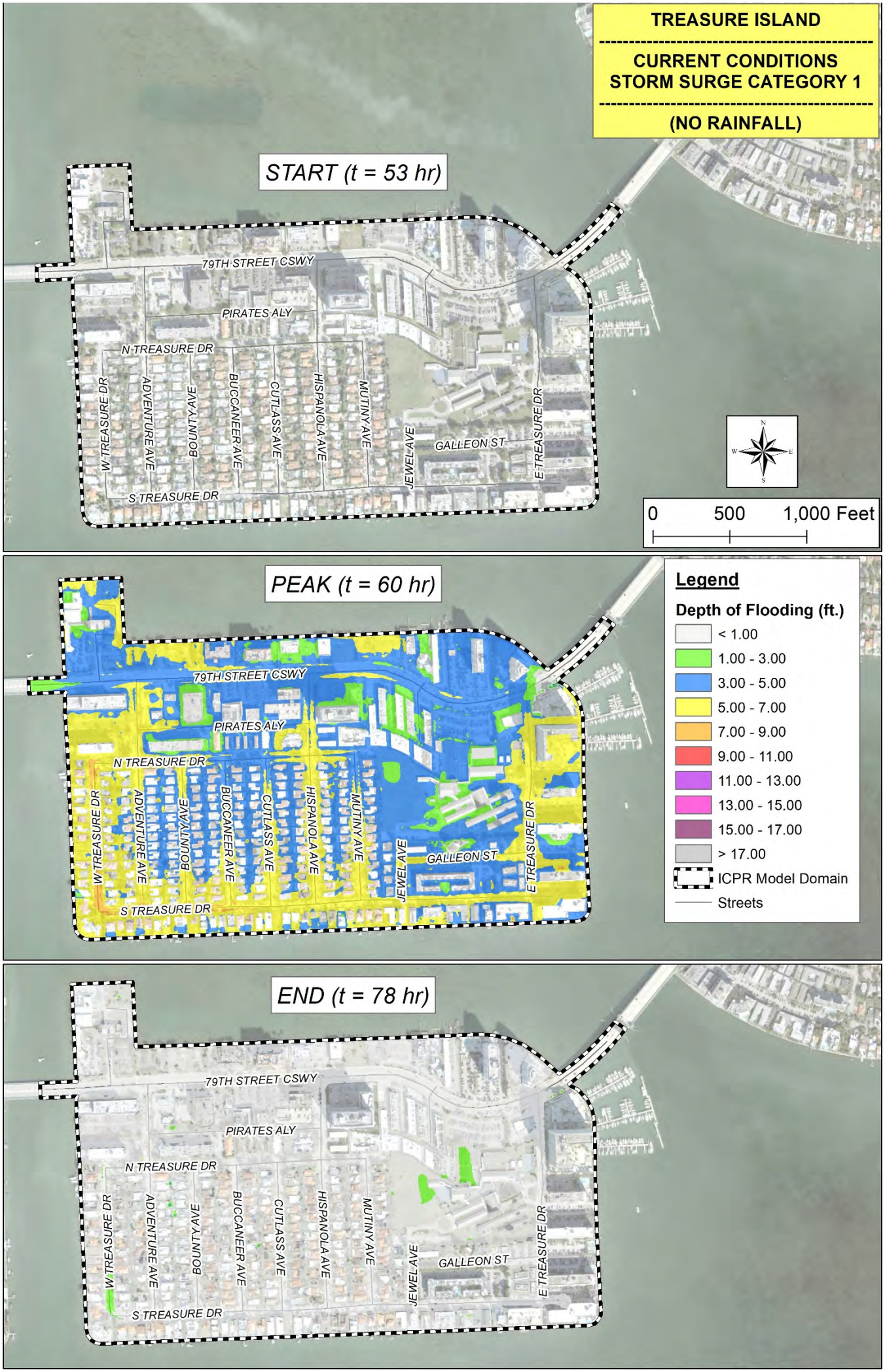

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

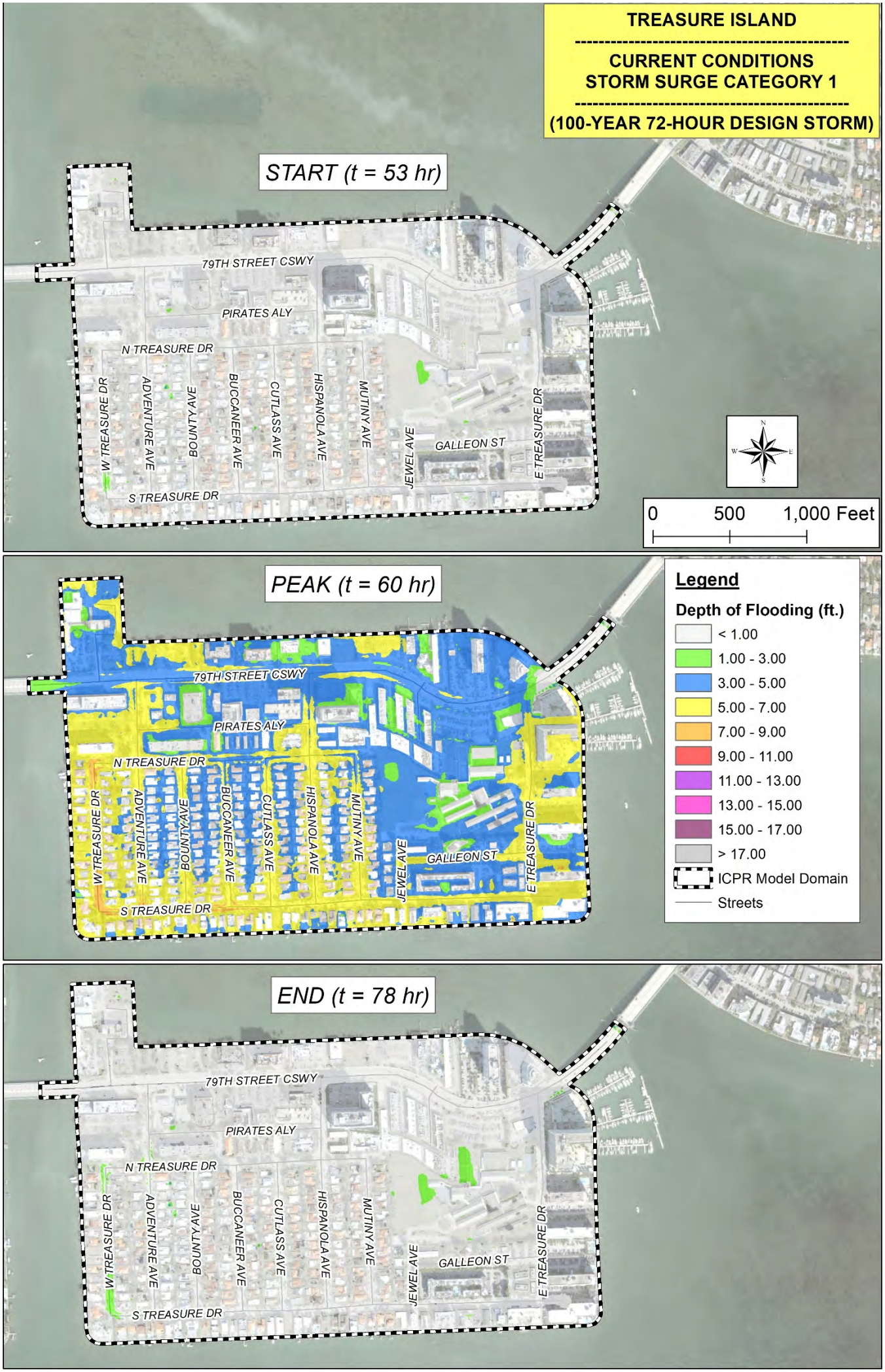

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER

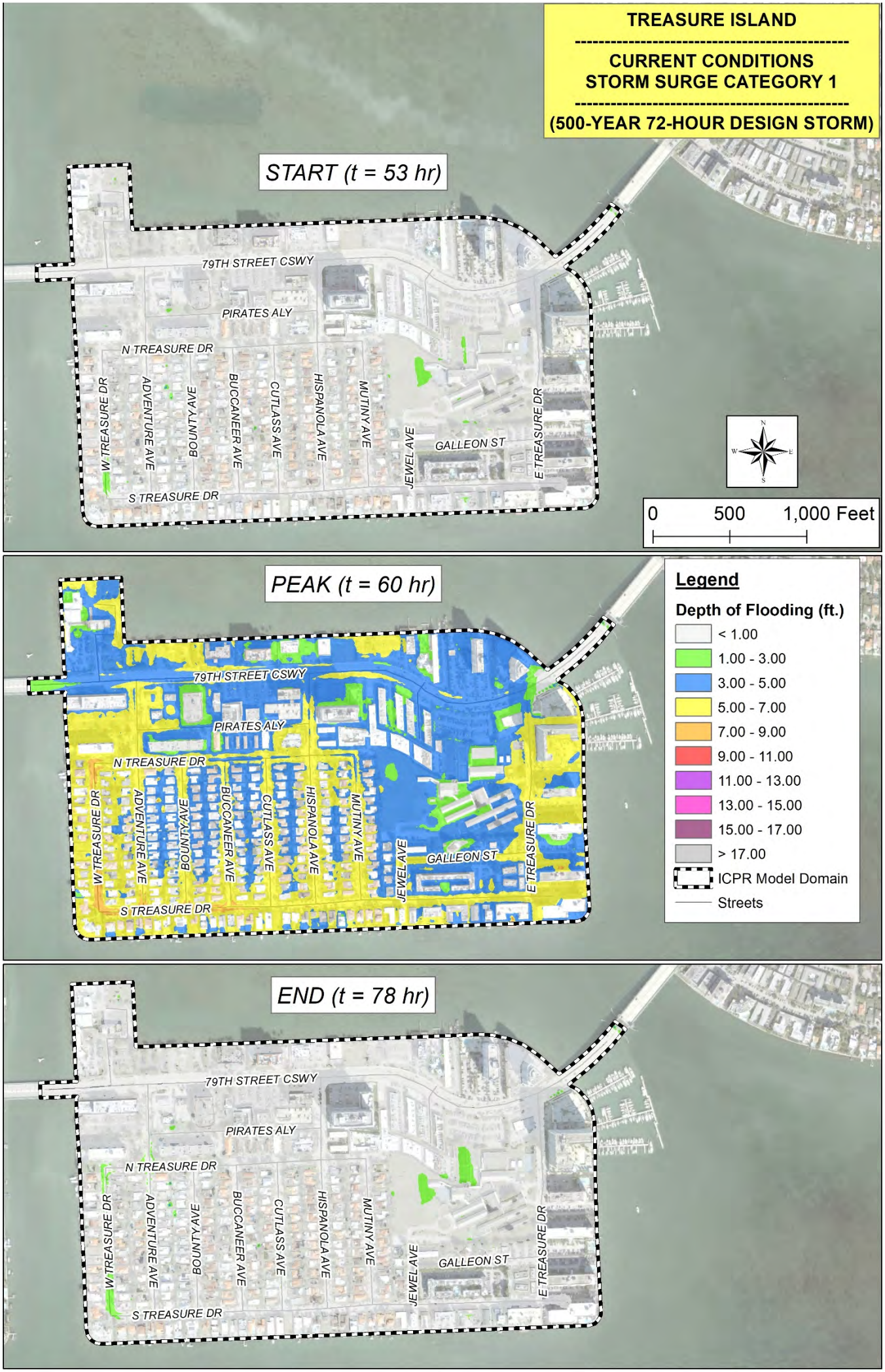

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(500-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER

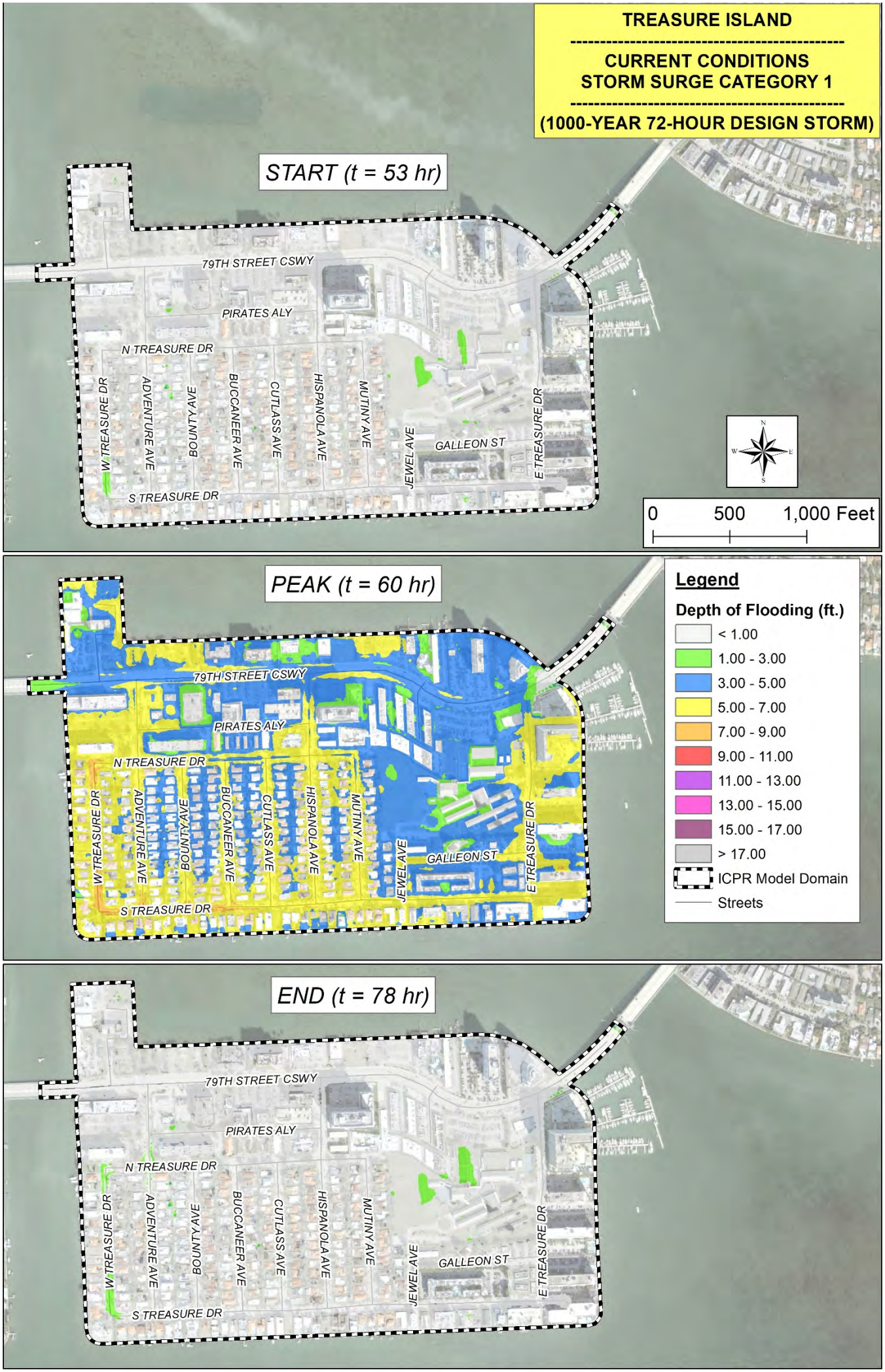

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(1000-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

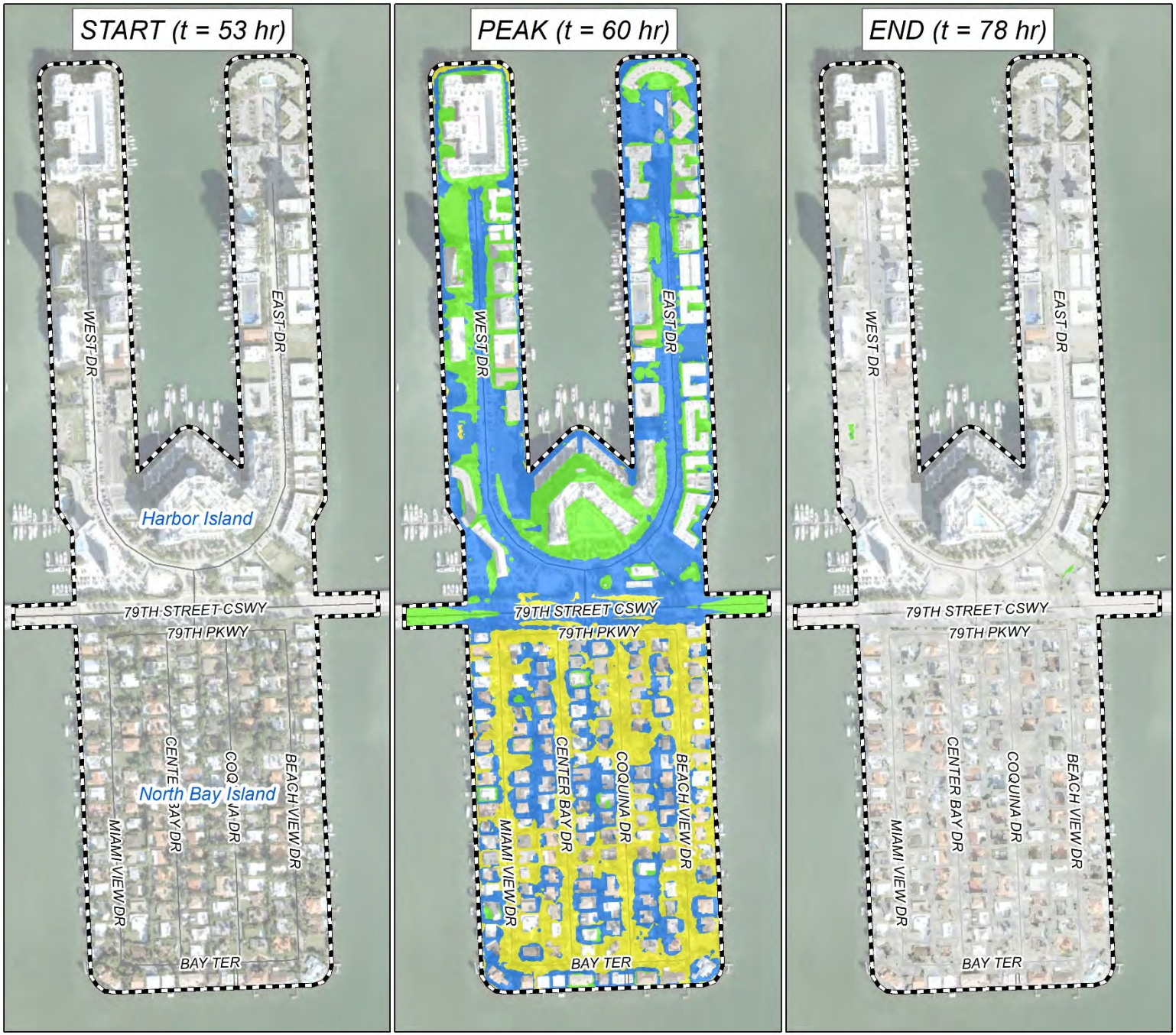
Appendix P – Depth of Category 1 Storm Surge Flood Maps in Current Conditions


TREASURE ISLAND
CURRENT CONDITIONS
STORM SURGE CATEGORY 1
(NO RAINFALL)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
CURRENT CONDITIONS
STORM SURGE CATEGORY 1
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
CURRENT CONDITIONS
STORM SURGE CATEGORY 1
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
CURRENT CONDITIONS
STORM SURGE CATEGORY 1
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)



HARBOR & NORTH BAY ISLANDS

CURRENT CONDITIONS
STORM SURGE CATEGORY 1

(NO RAINFALL)

N
W
E
S

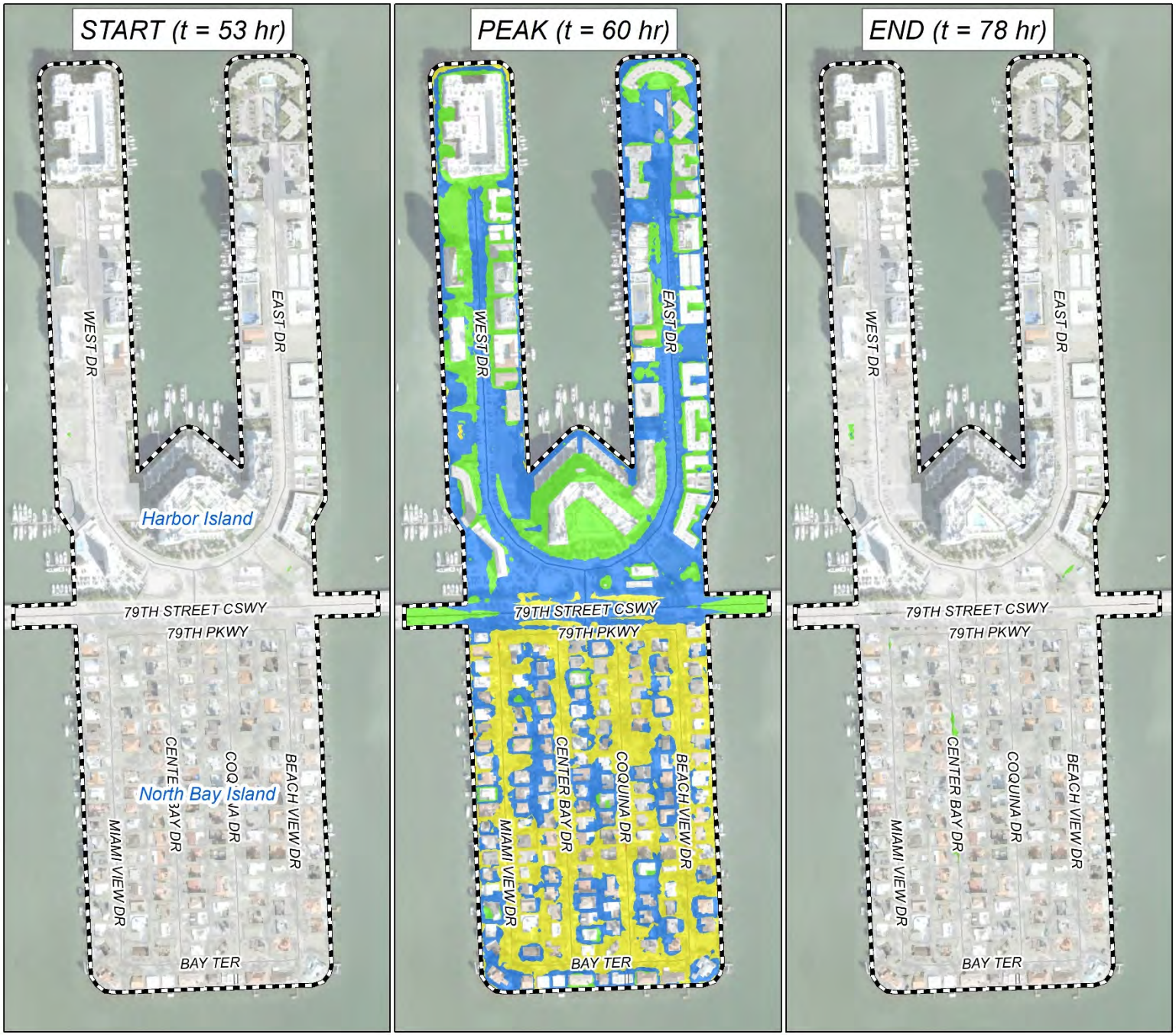
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1070



HARBOR & NORTH BAY ISLANDS

CURRENT CONDITIONS
STORM SURGE CATEGORY 1

(100-YEAR 72-HOUR DESIGN STORM)

N
W E
S

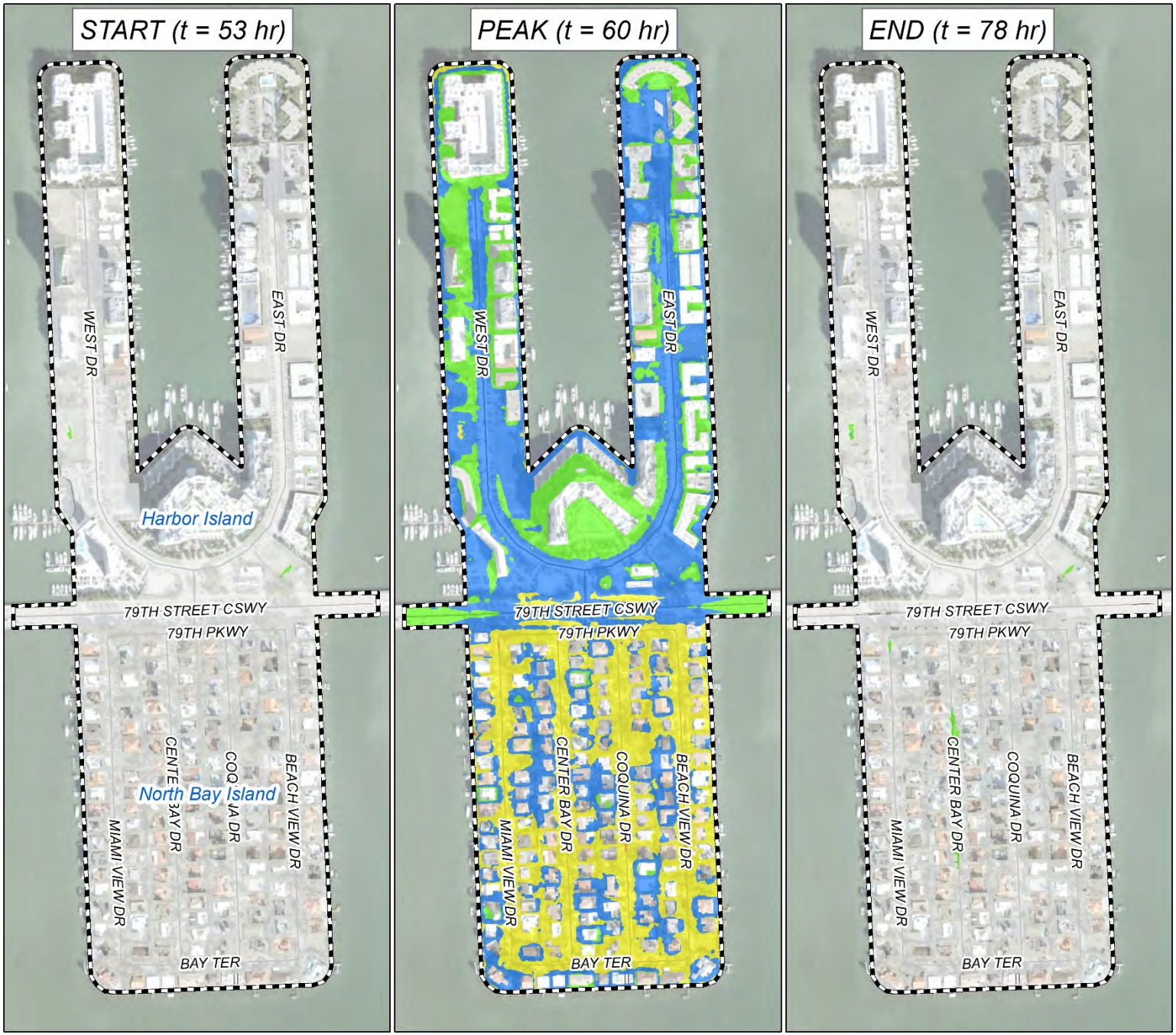
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1071



HARBOR & NORTH BAY ISLANDS

CURRENT CONDITIONS
STORM SURGE CATEGORY 1

(500-YEAR 72-HOUR DESIGN STORM)

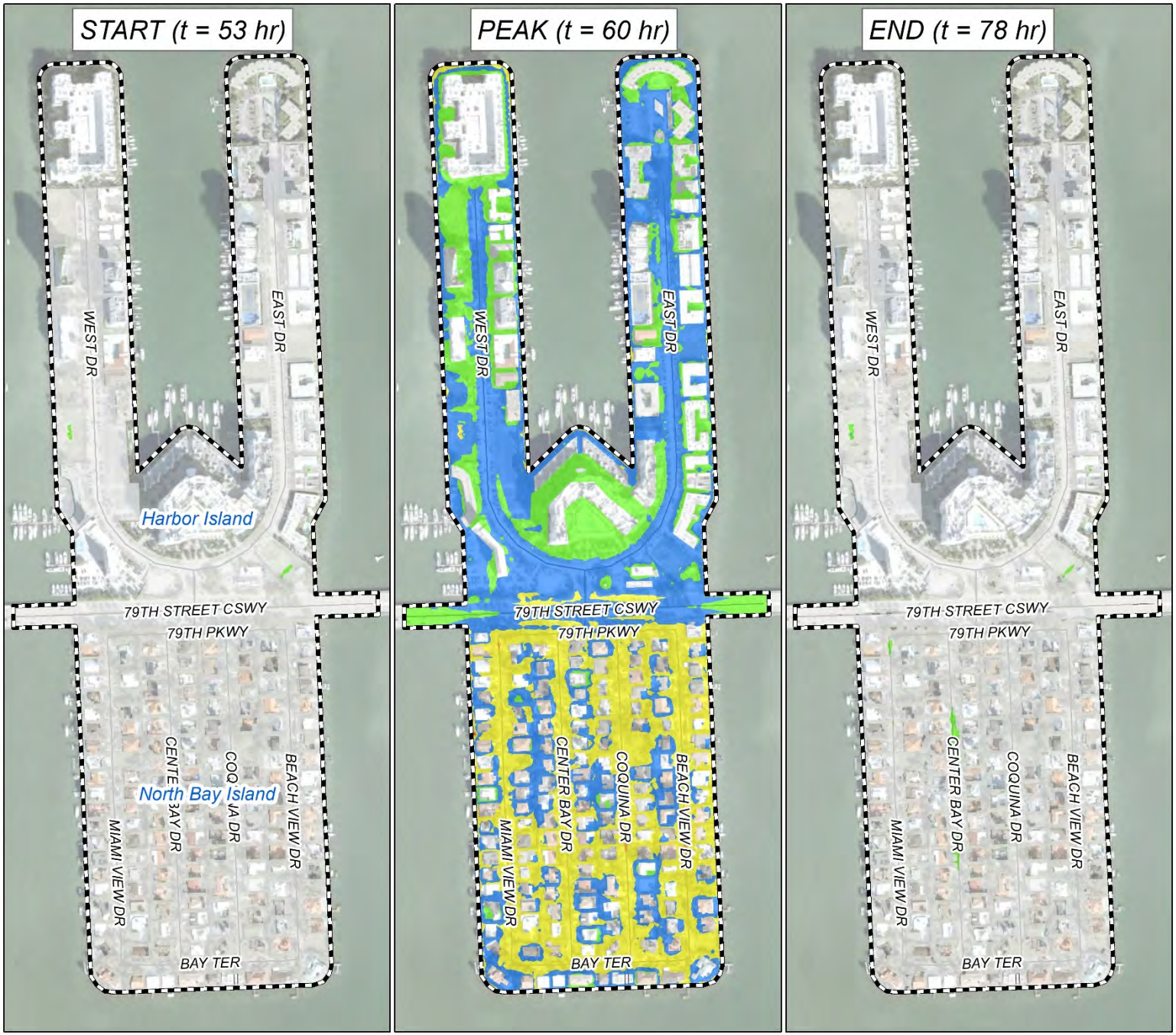
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

CURRENT CONDITIONS
STORM SURGE CATEGORY 1

(1000-YEAR 72-HOUR DESIGN STORM)

N
W
E
S

0 500 1,000 Feet

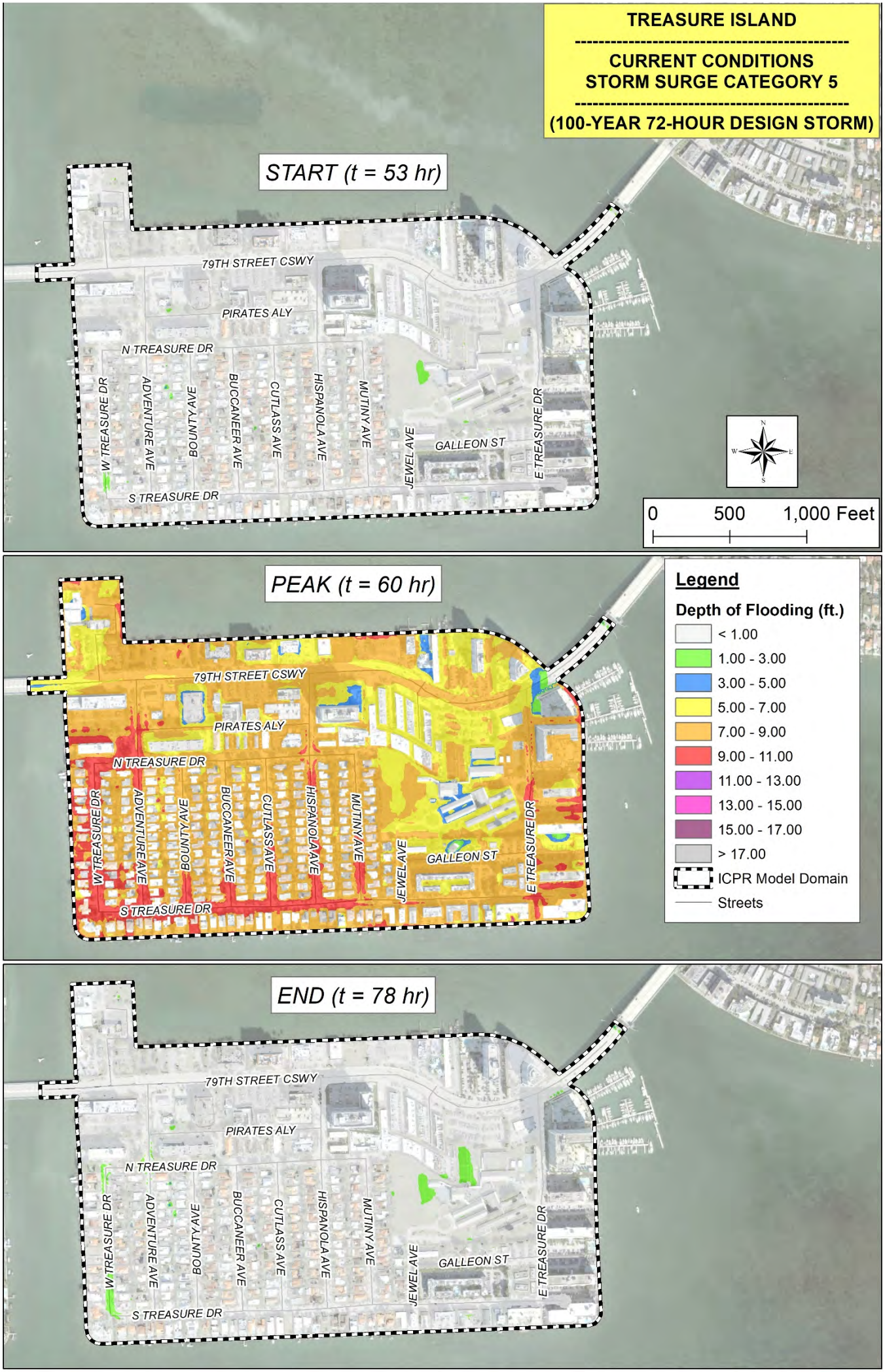
Legend

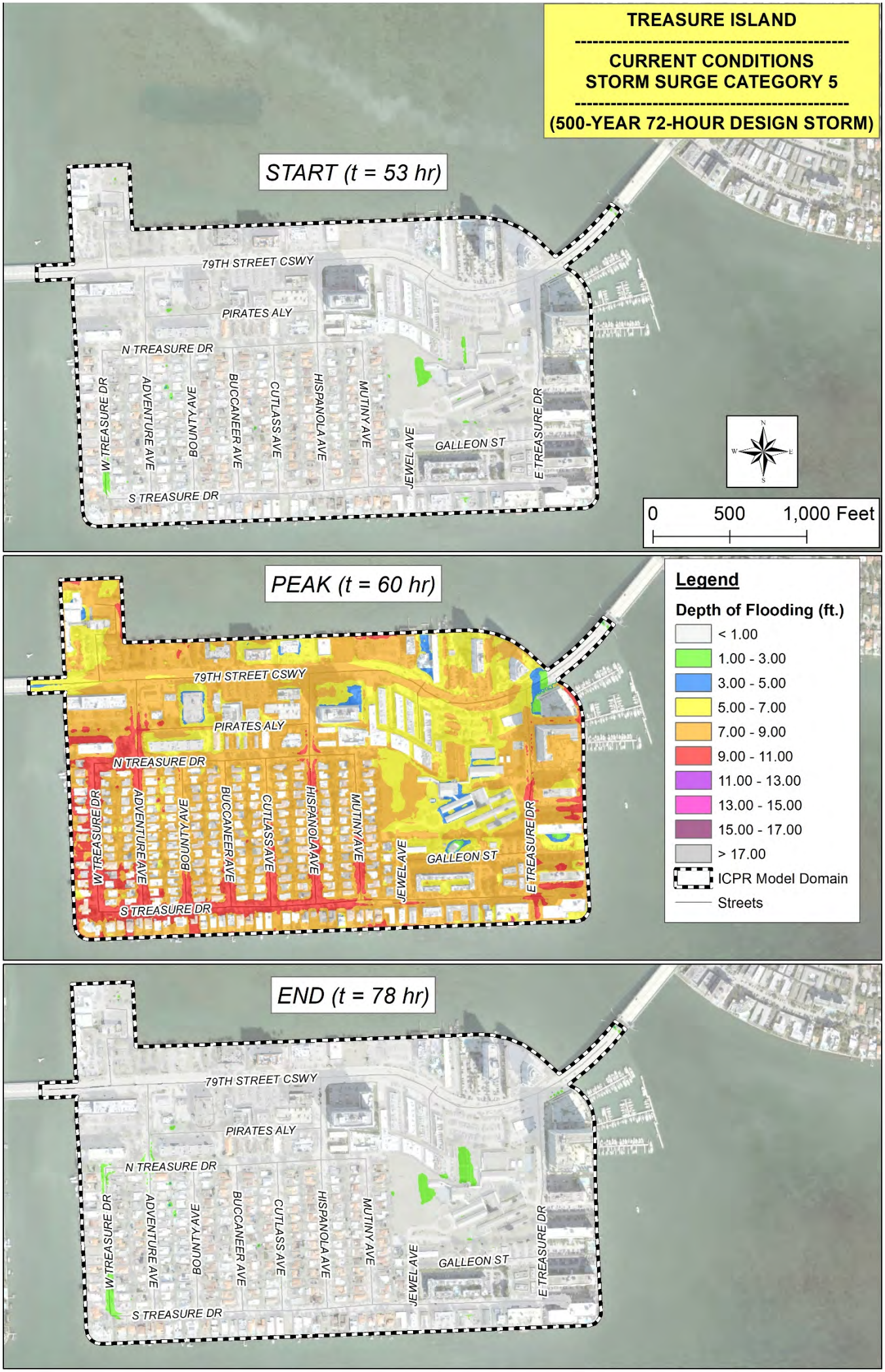
Depth of Flooding (ft.)

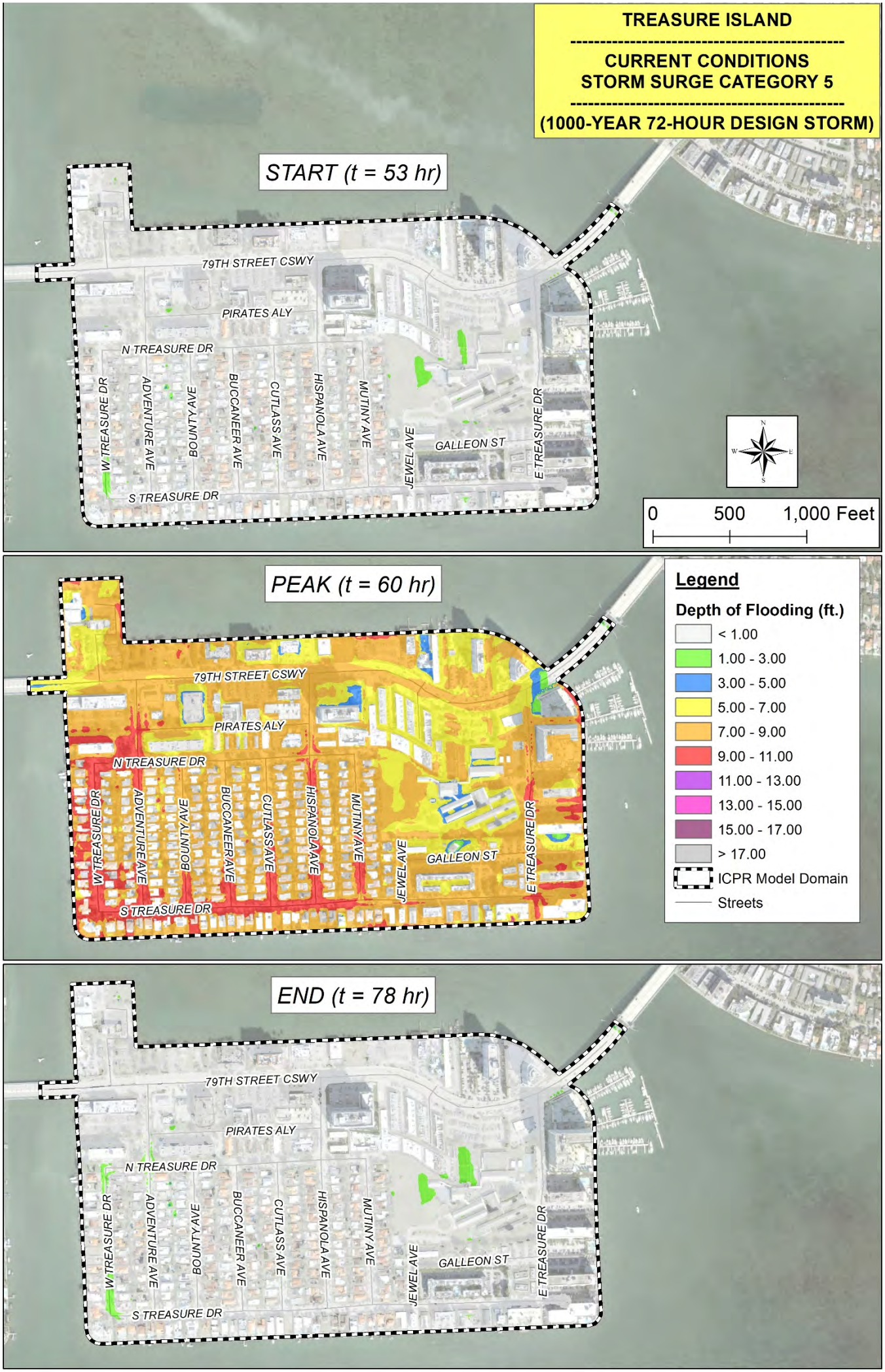
- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

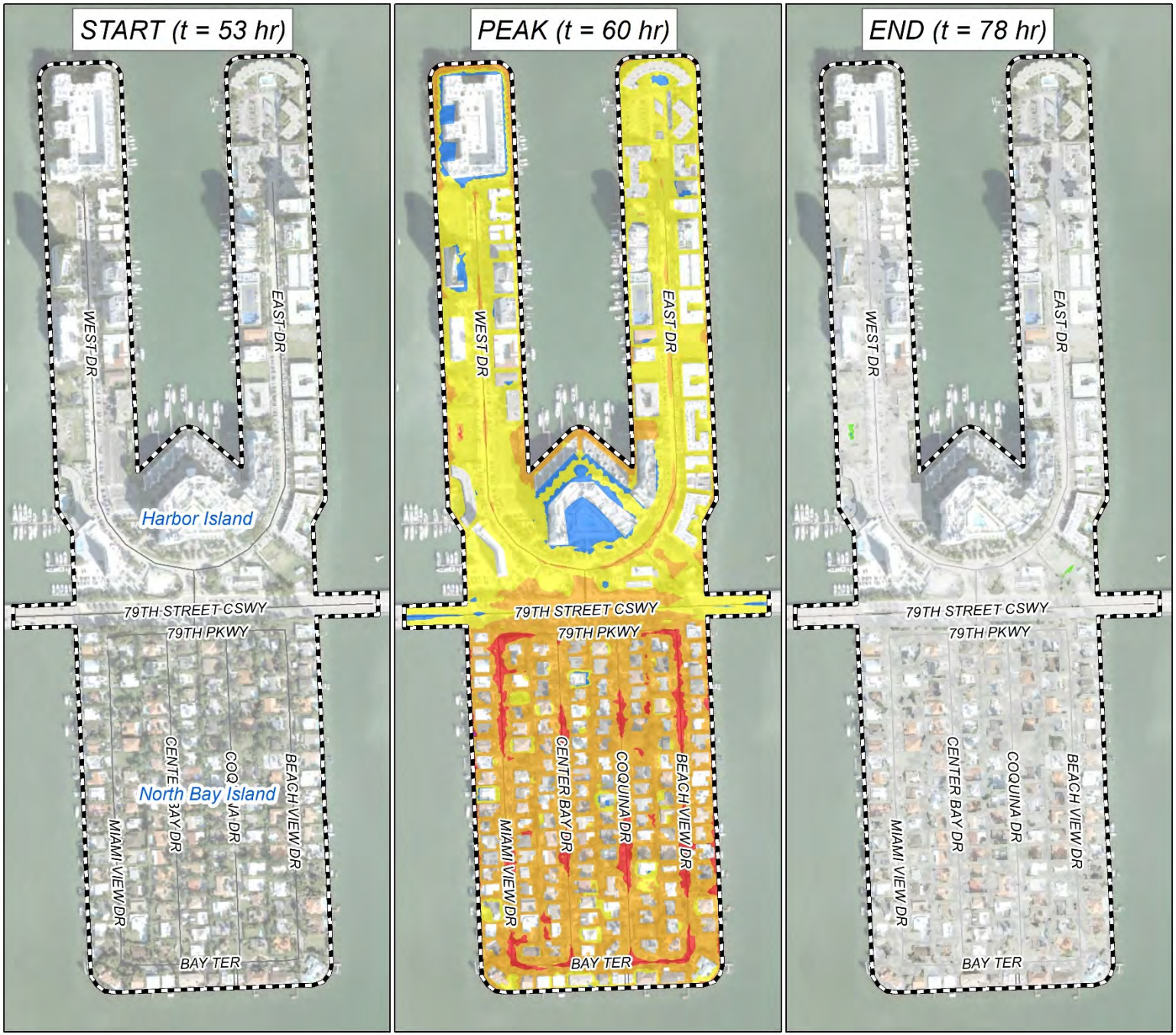
Appendix Q – Depth of Category 5 Storm Surge Flood Maps in Current Conditions


TREASURE ISLAND
CURRENT CONDITIONS
STORM SURGE CATEGORY 5
(NO RAINFALL)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
CURRENT CONDITIONS
STORM SURGE CATEGORY 5
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
CURRENT CONDITIONS
STORM SURGE CATEGORY 5
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
CURRENT CONDITIONS
STORM SURGE CATEGORY 5
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)



HARBOR & NORTH BAY ISLANDS

CURRENT CONDITIONS
STORM SURGE CATEGORY 5

(NO RAINFALL)

N
W E
S

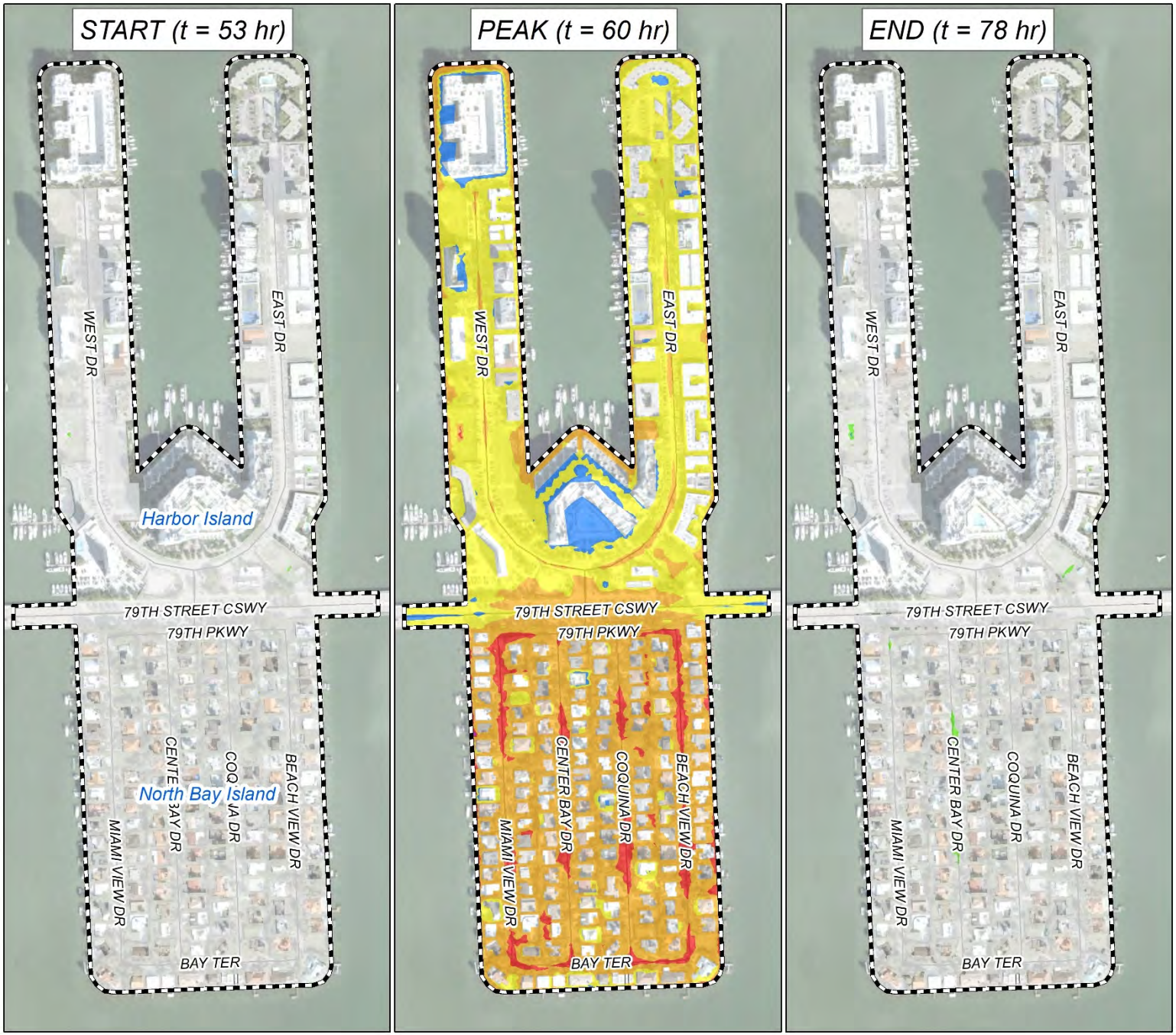
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1079



HARBOR & NORTH BAY ISLANDS

CURRENT CONDITIONS
STORM SURGE CATEGORY 5

(100-YEAR 72-HOUR DESIGN STORM)

N
W
E
S

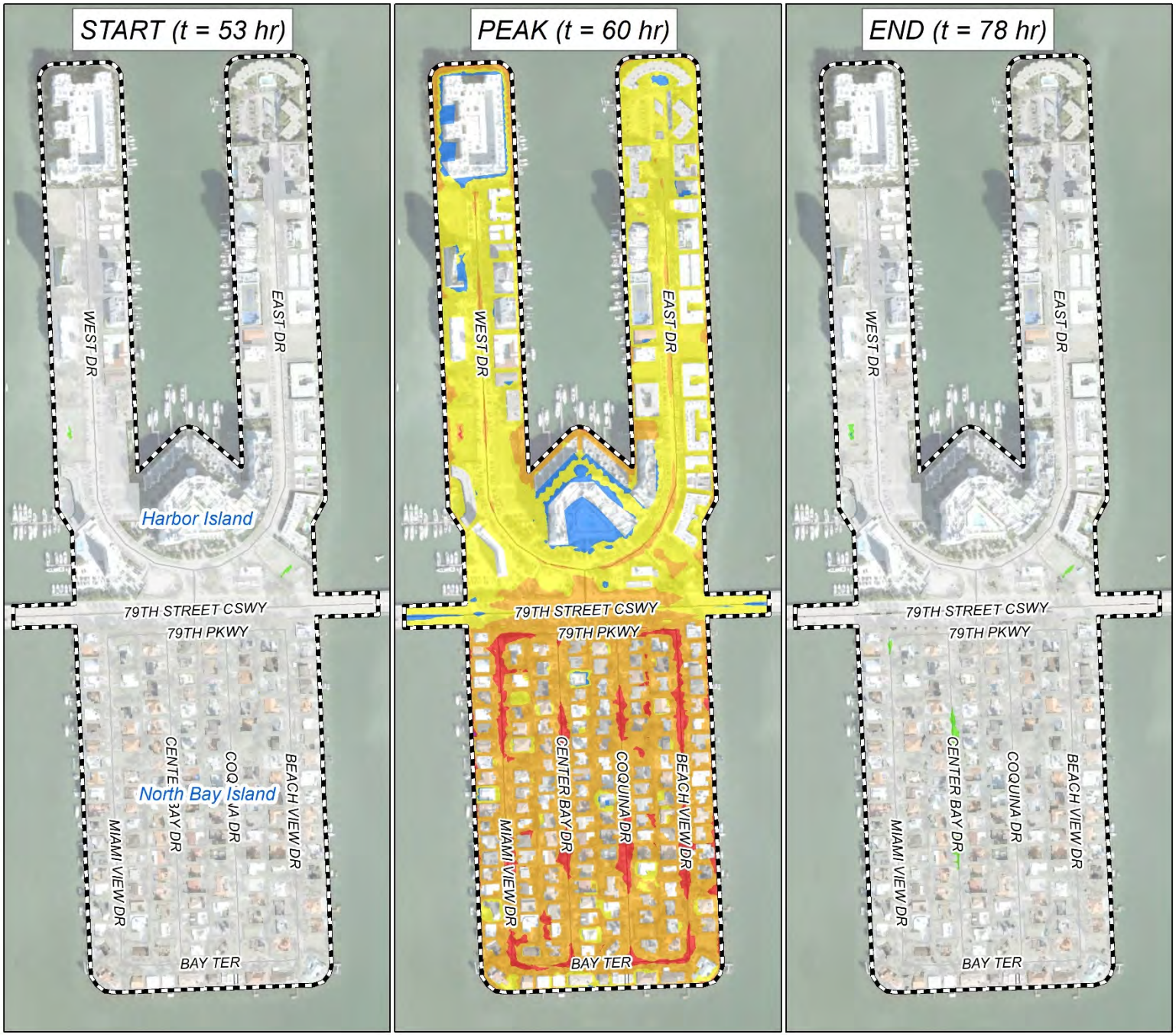
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1080



HARBOR & NORTH BAY ISLANDS

CURRENT CONDITIONS
STORM SURGE CATEGORY 5

(500-YEAR 72-HOUR DESIGN STORM)

N
W E
S

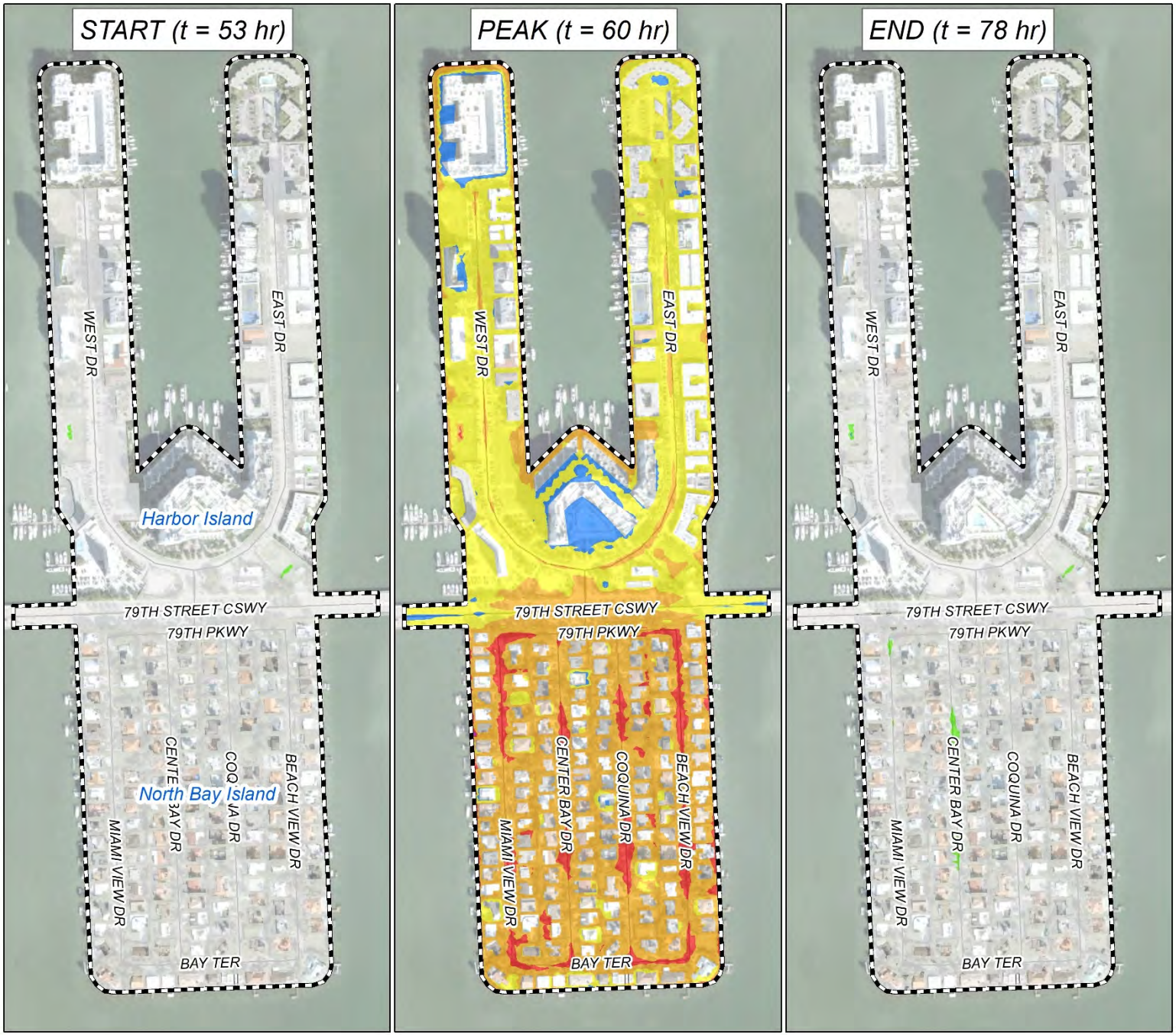
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1081



HARBOR & NORTH BAY ISLANDS

CURRENT CONDITIONS
STORM SURGE CATEGORY 5

(1000-YEAR 72-HOUR DESIGN STORM)

N
W E
S

0 500 1,000 Feet

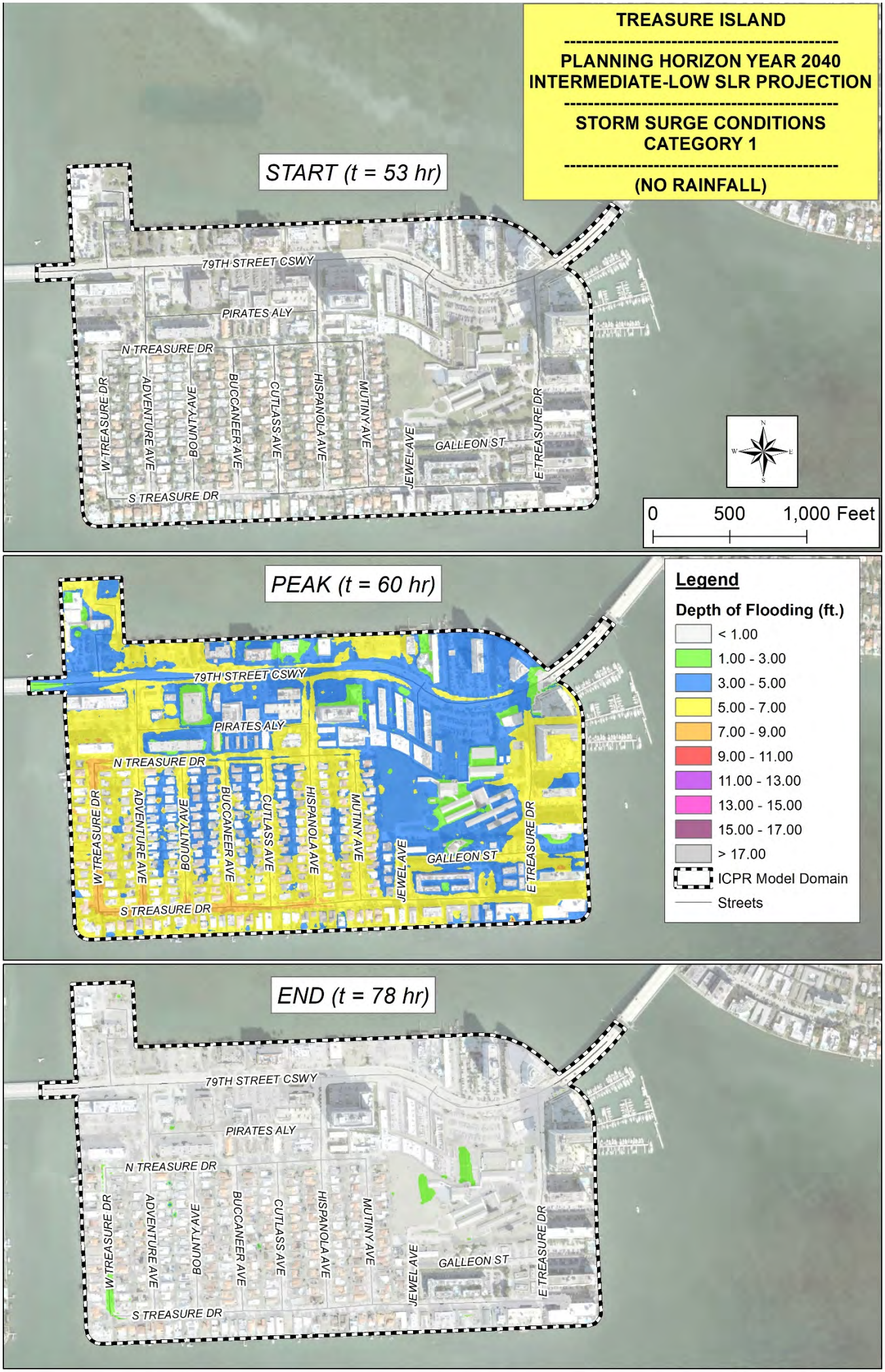
Legend

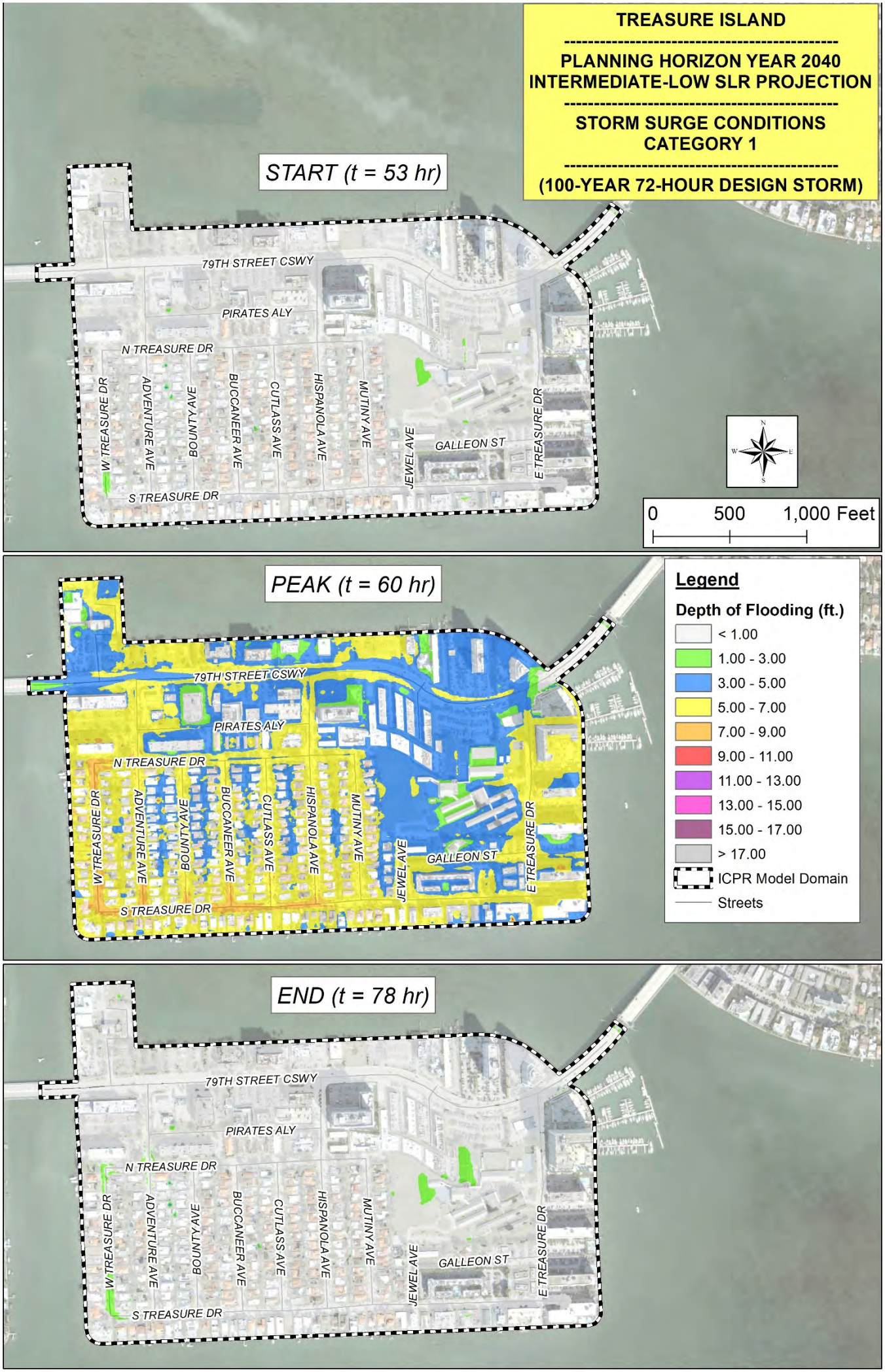
Depth of Flooding (ft.)

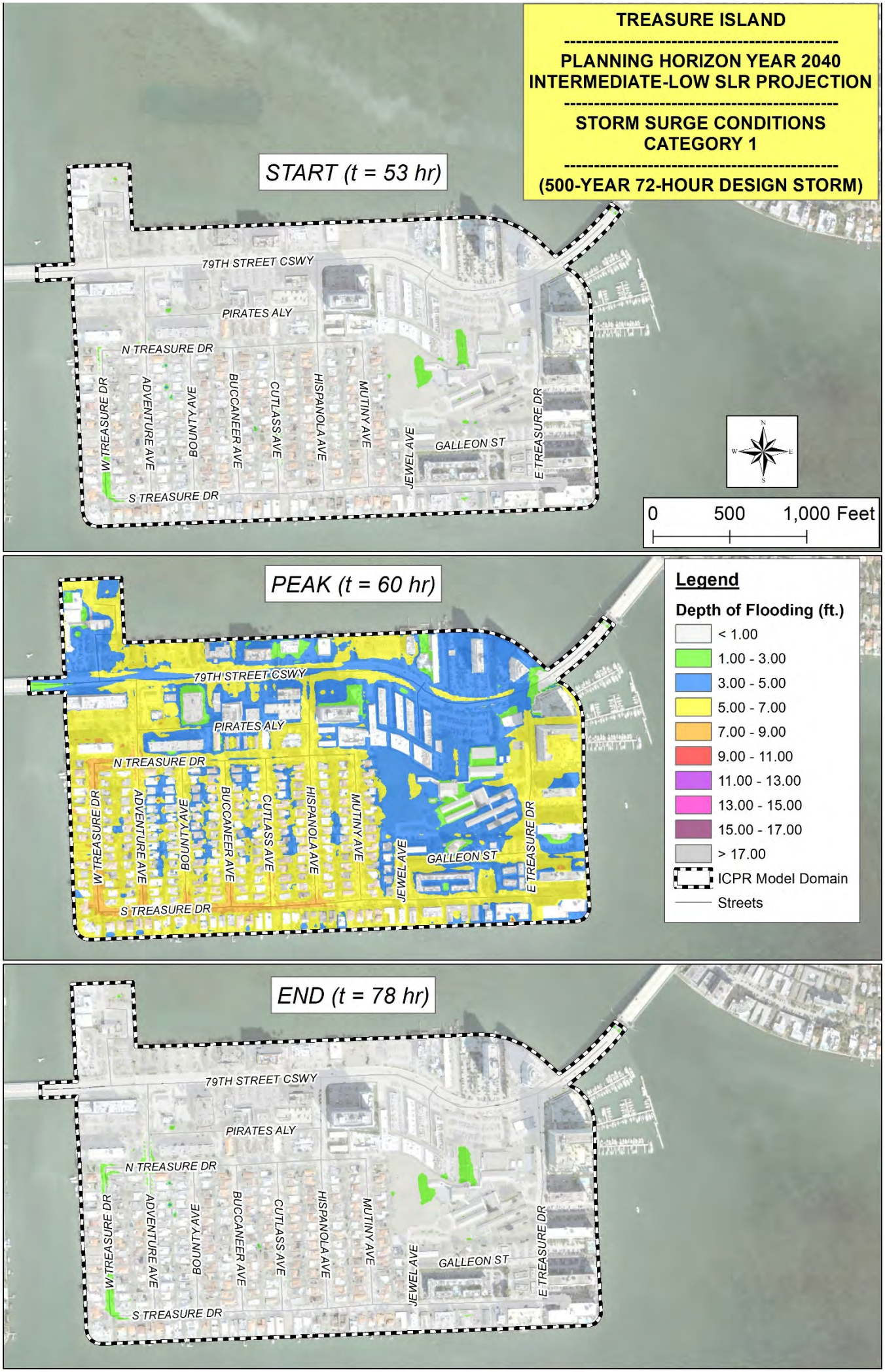
- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

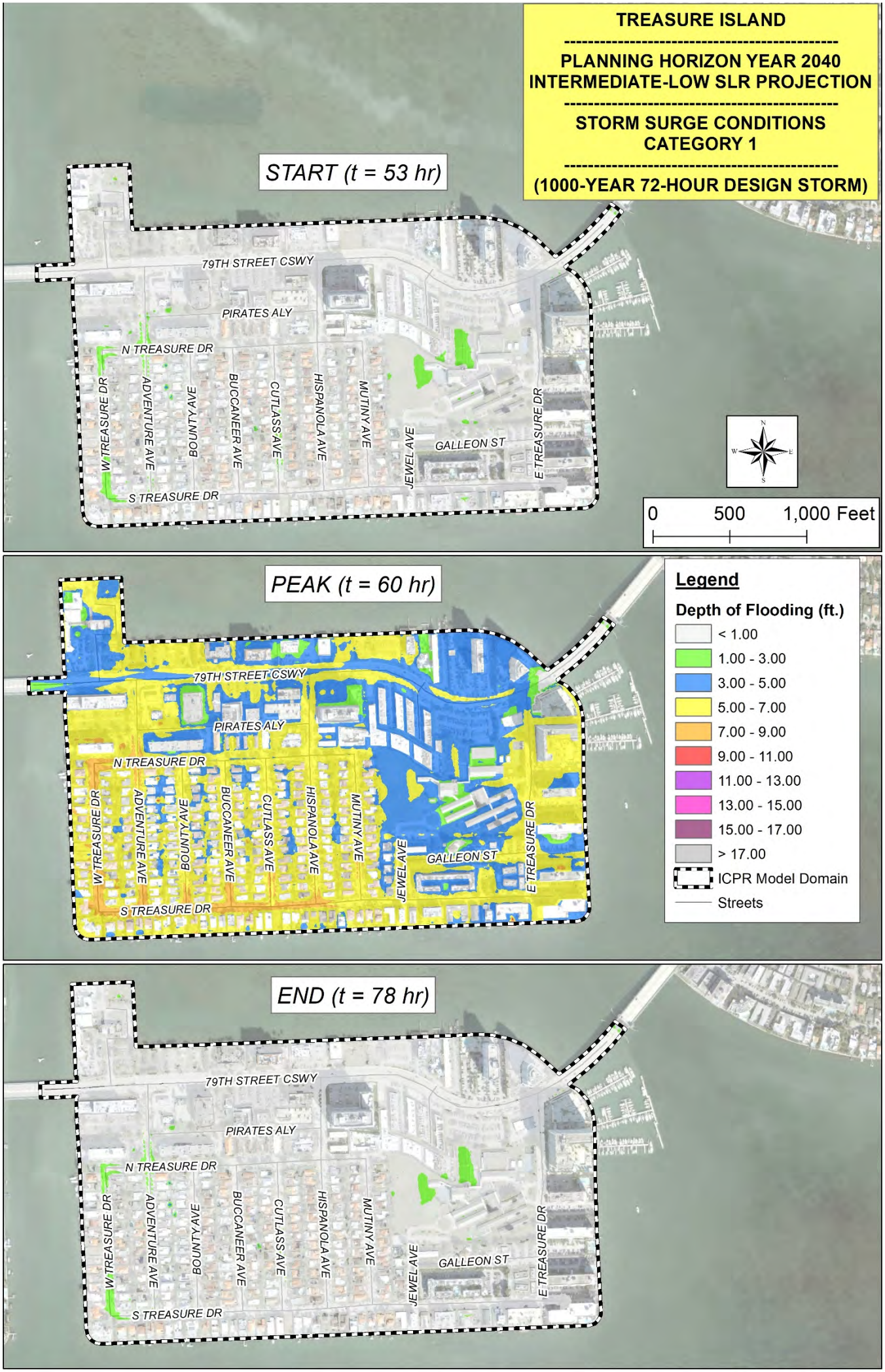
1082

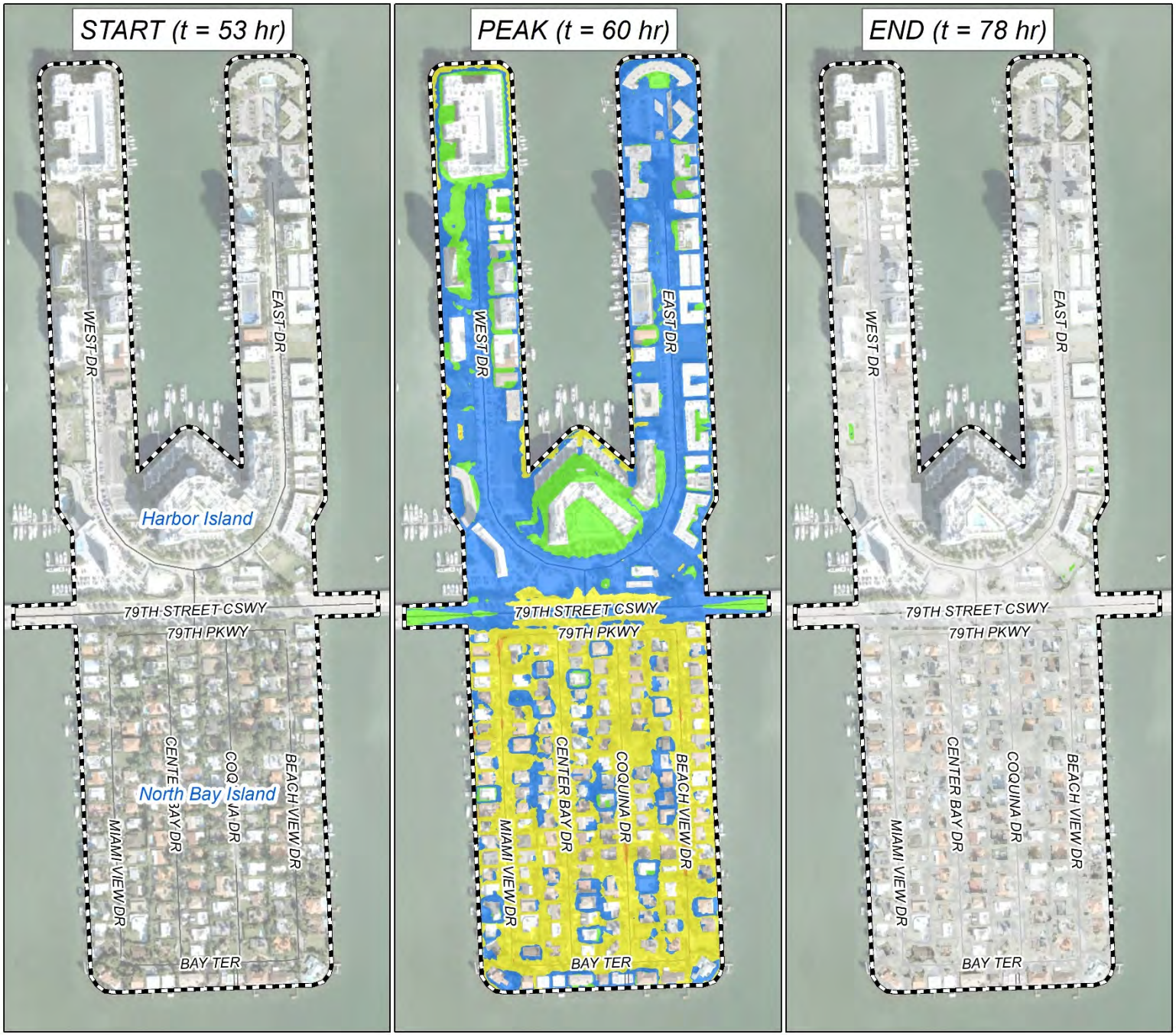
Appendix R – Depth of Category 1 Storm Surge Flood Maps in 2040 Intermediate-Low SLR Scenario


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(NO RAINFALL)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
0 500 1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(NO RAINFALL)

N
W E
S

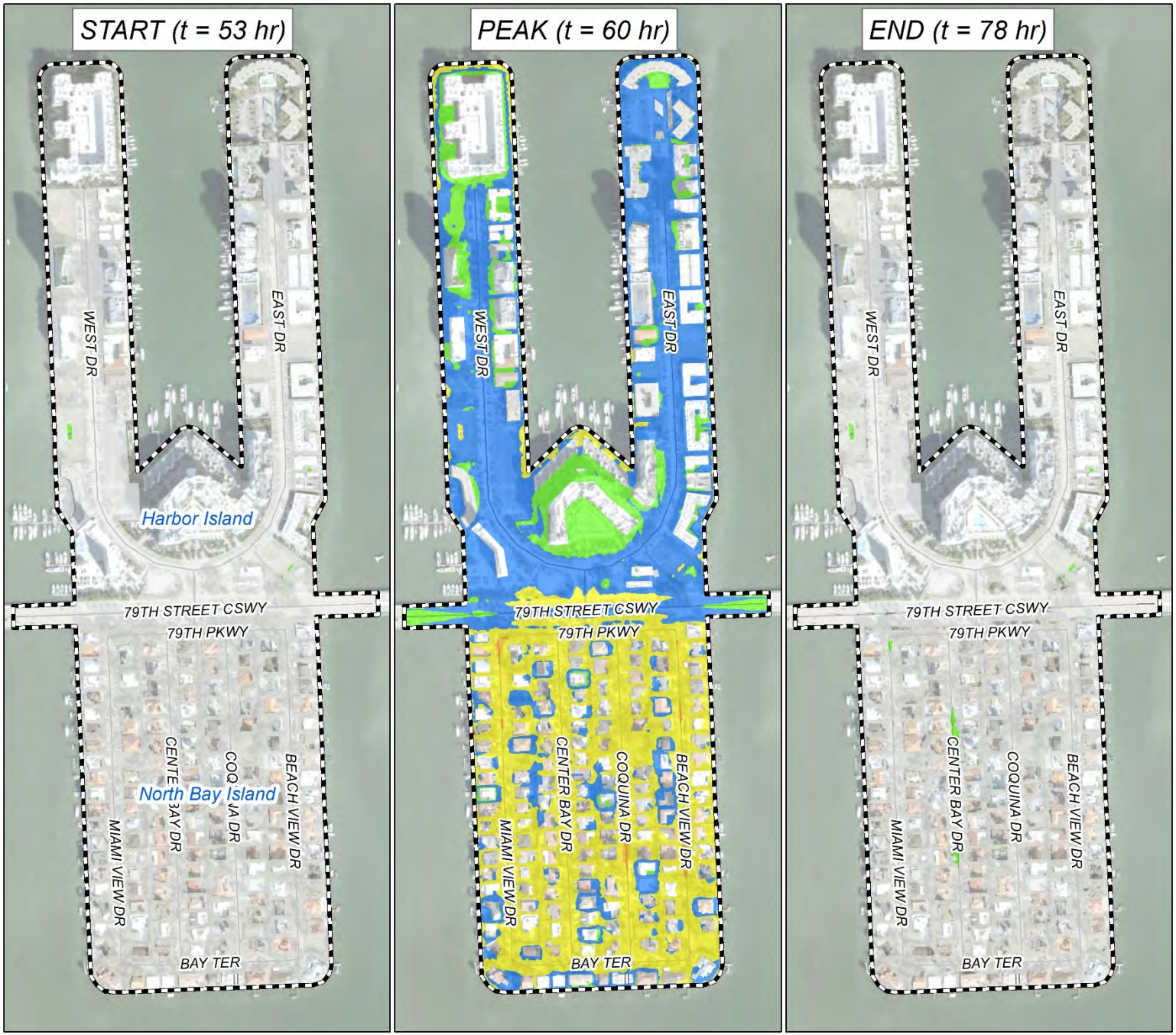
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1088



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(100-YEAR 72-HOUR DESIGN STORM)

N
W E
S

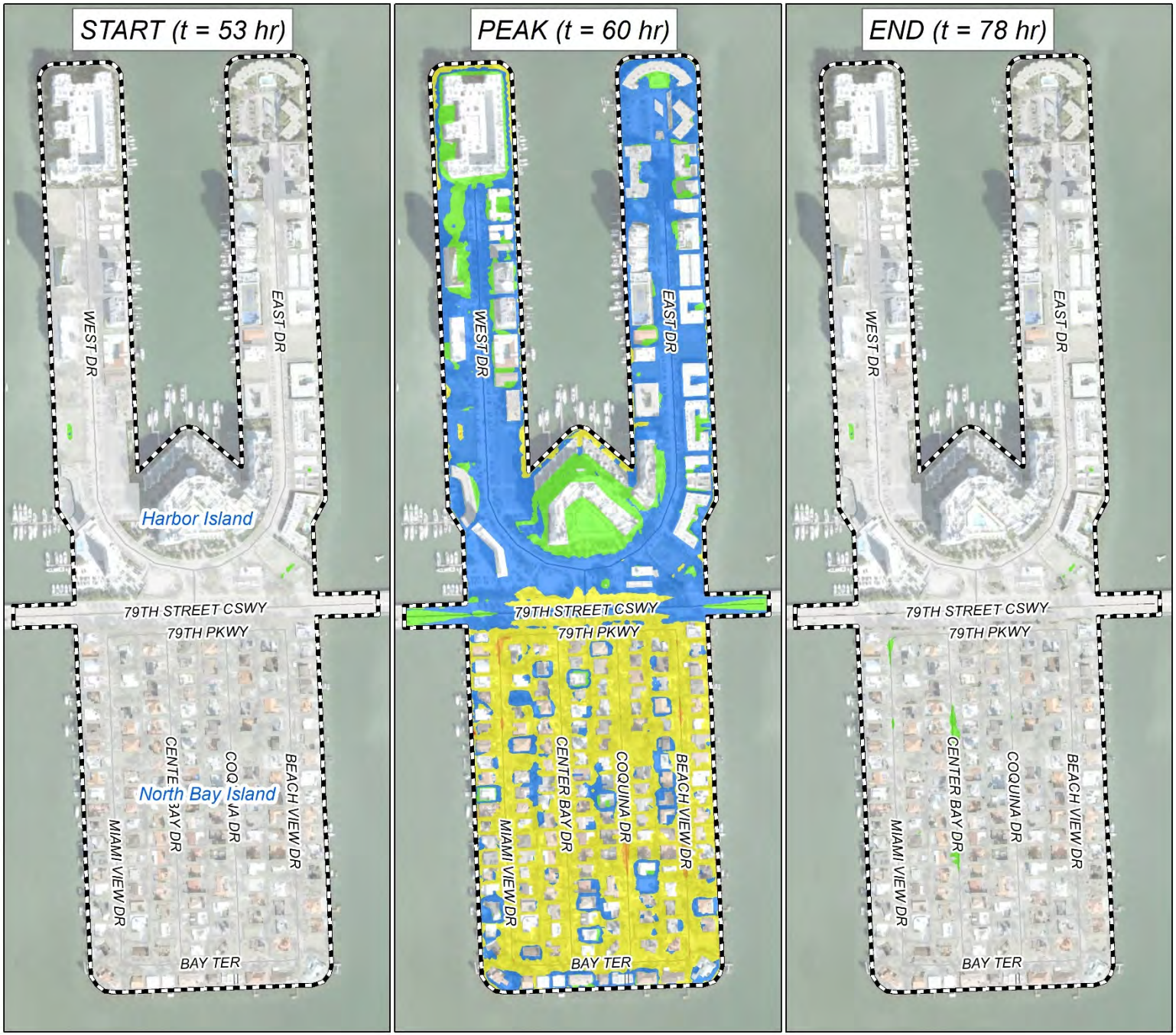
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1089



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(500-YEAR 72-HOUR DESIGN STORM)

N
W E
S

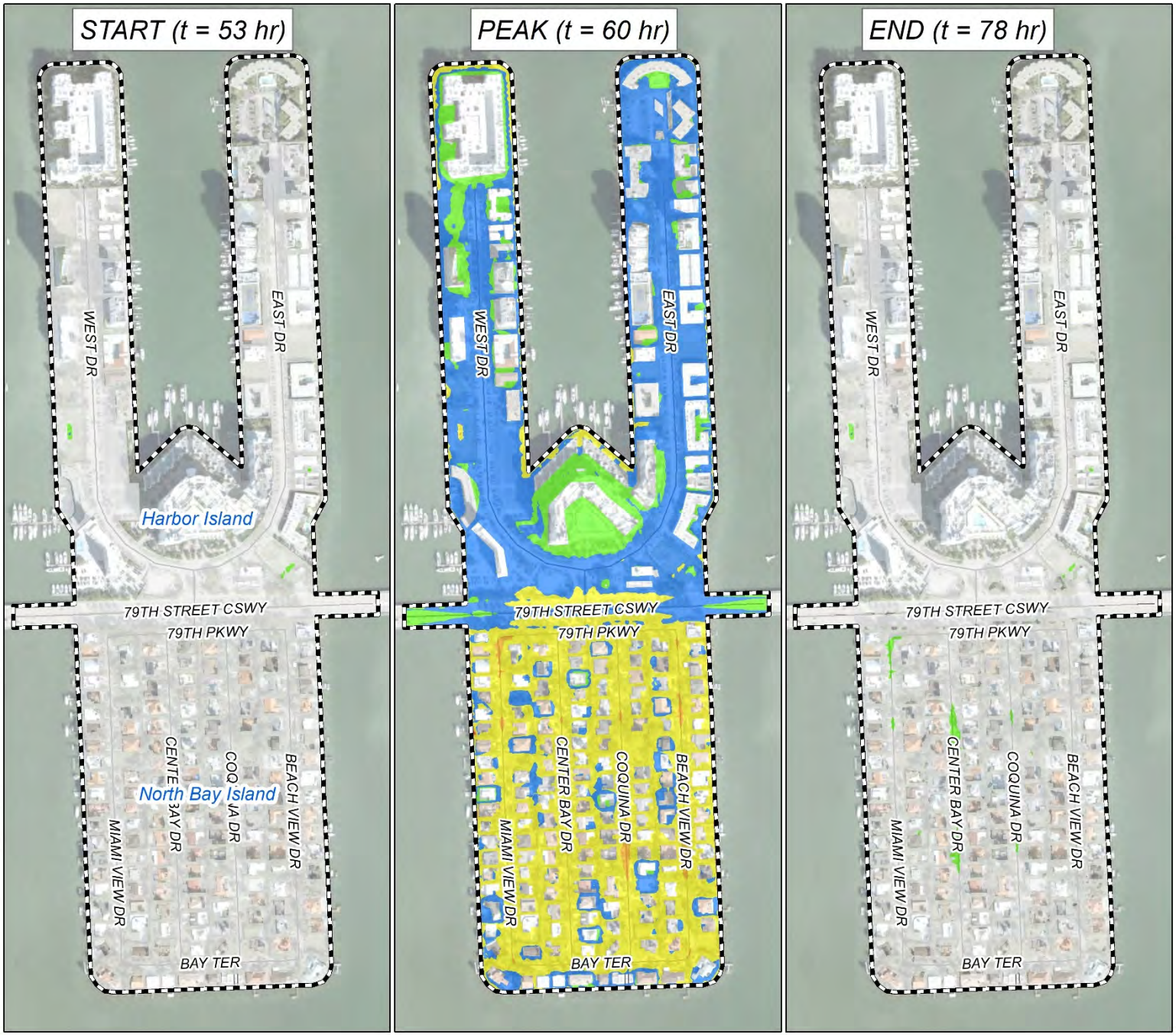
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1090



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(1000-YEAR 72-HOUR DESIGN STORM)

N
W E
S

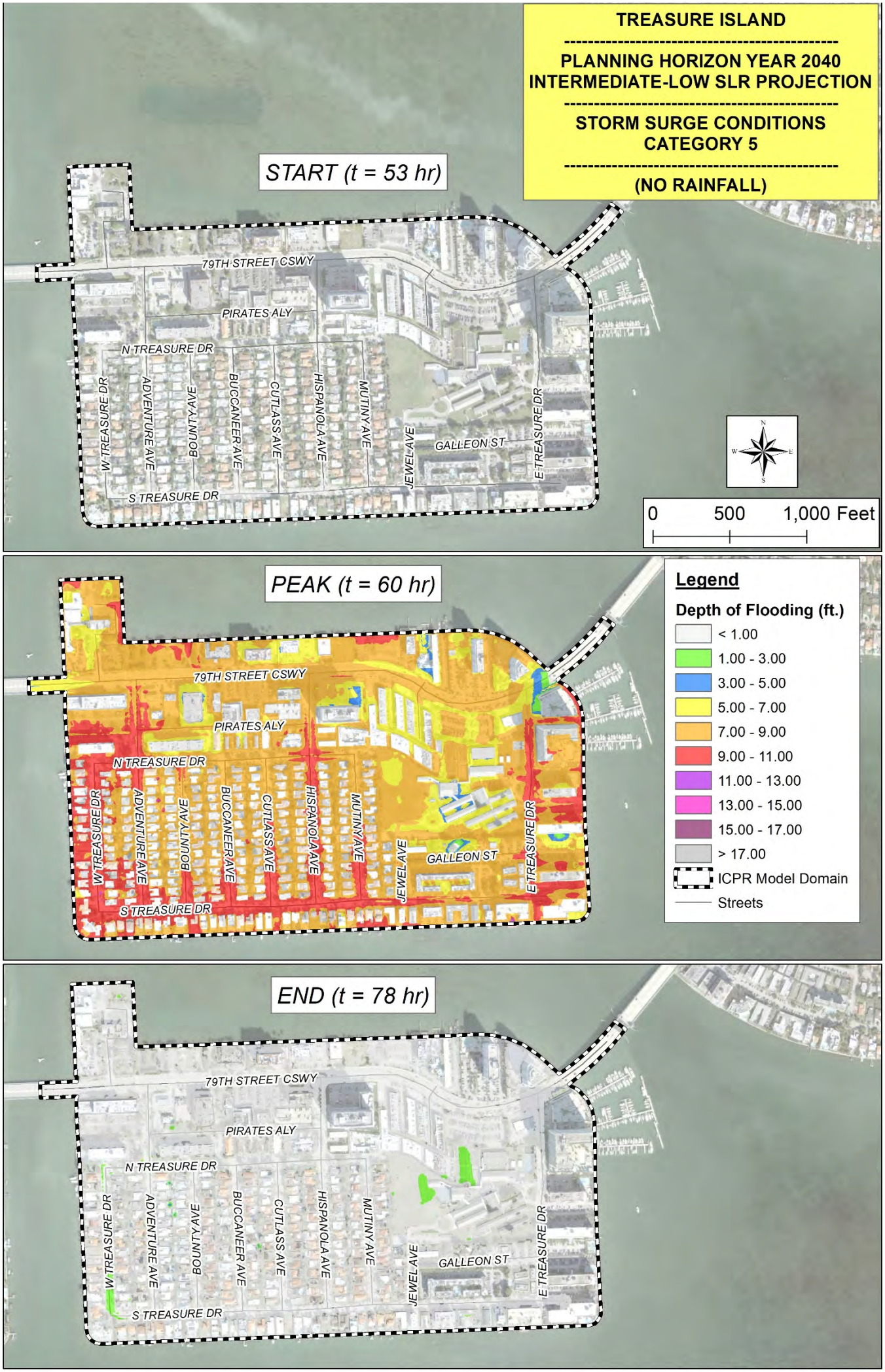
0 500 1,000 Feet

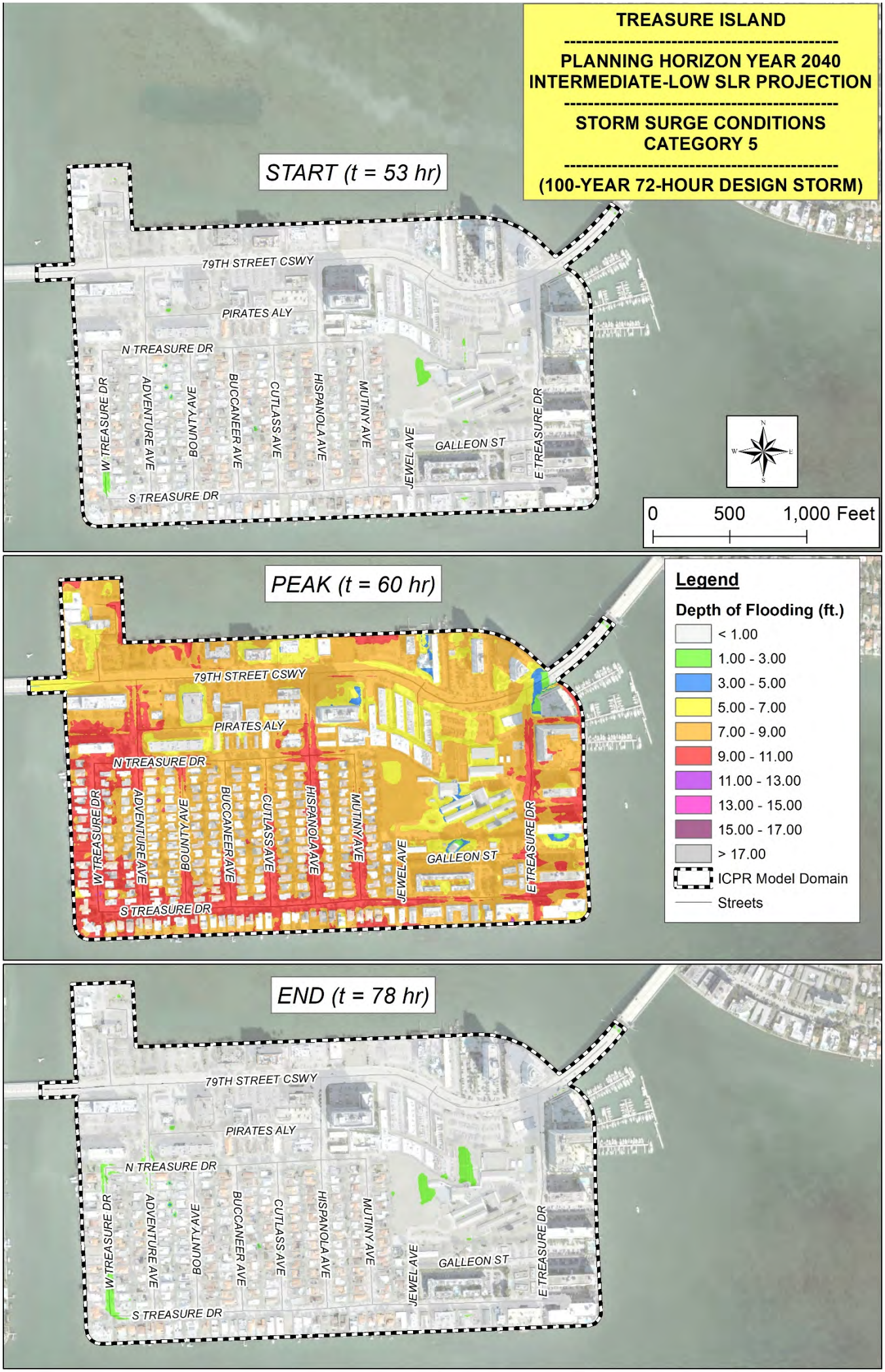
Legend

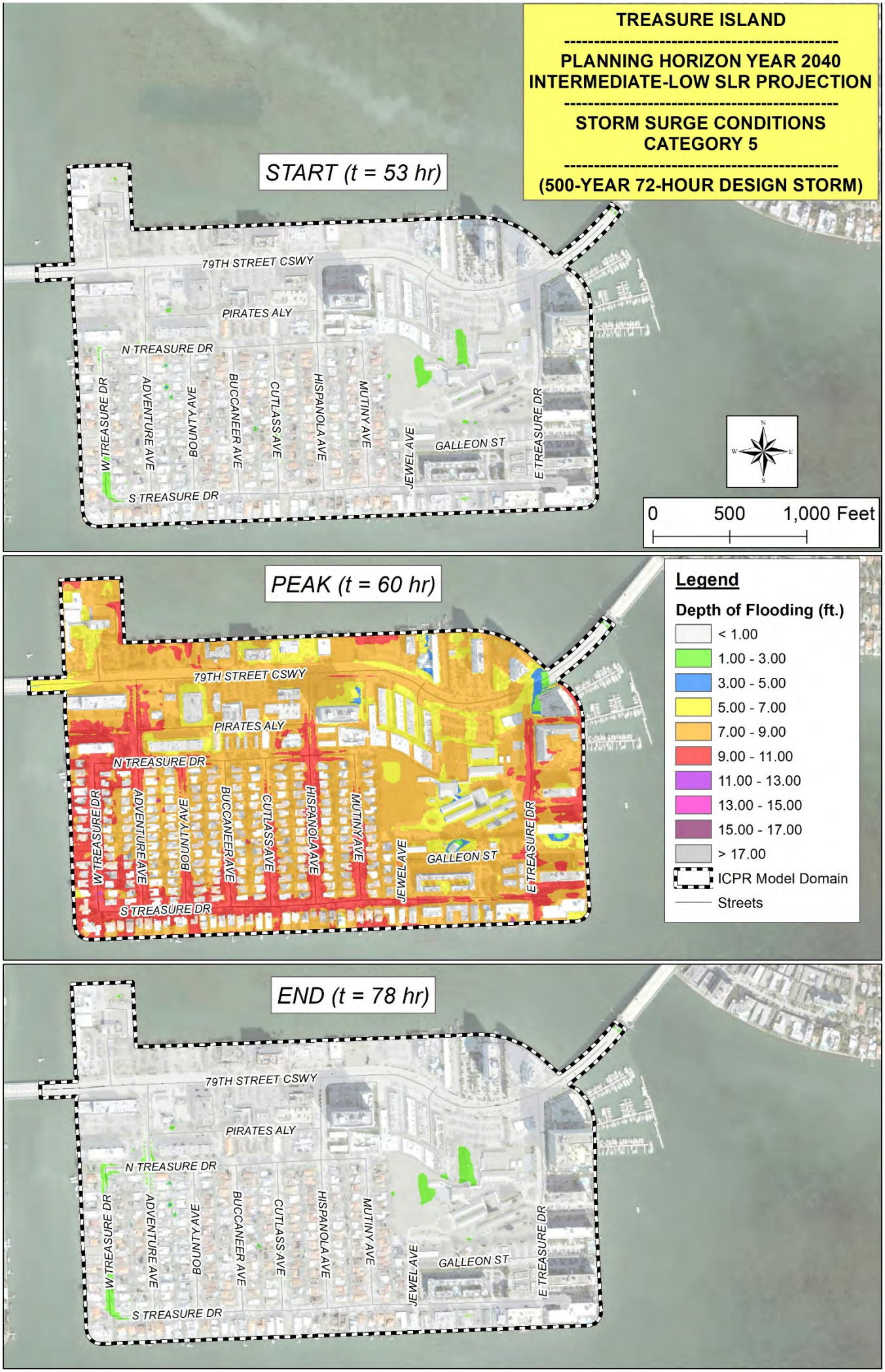
Depth of Flooding (ft.)

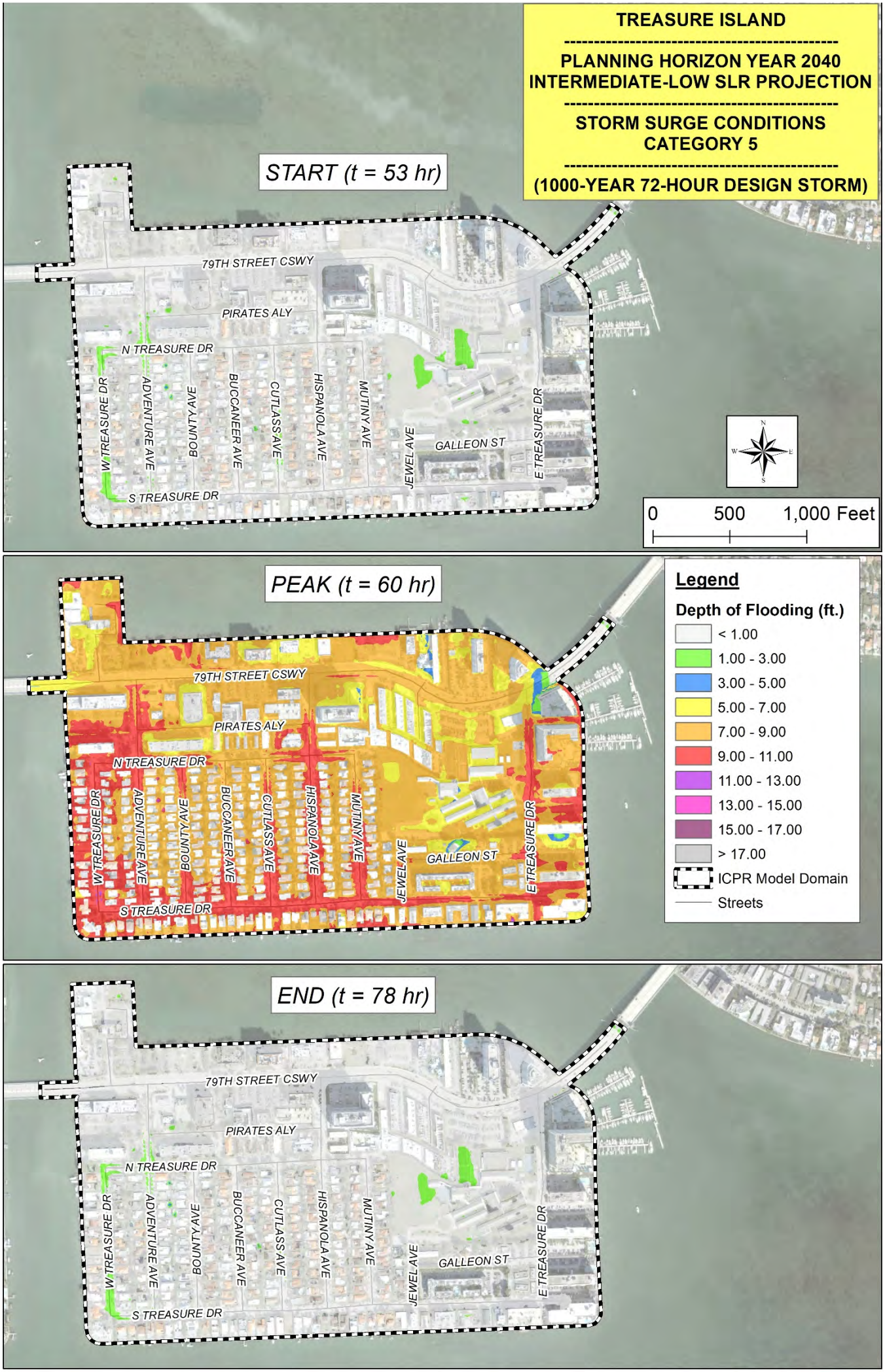
- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

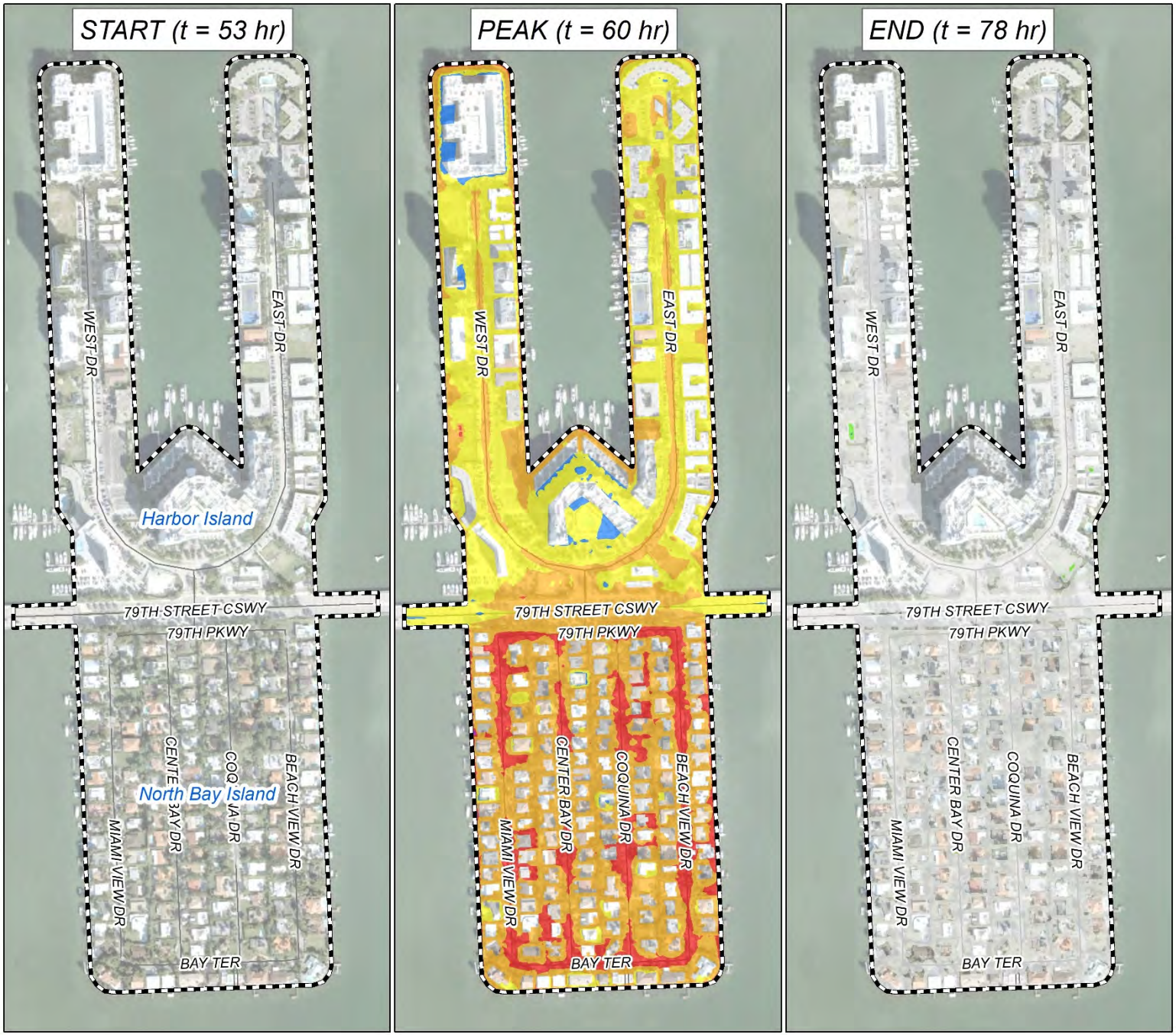
Appendix S – Depth of Category 5 Storm Surge Flood Maps in 2040 Intermediate-Low SLR Scenario


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(NO RAINFALL)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(NO RAINFALL)

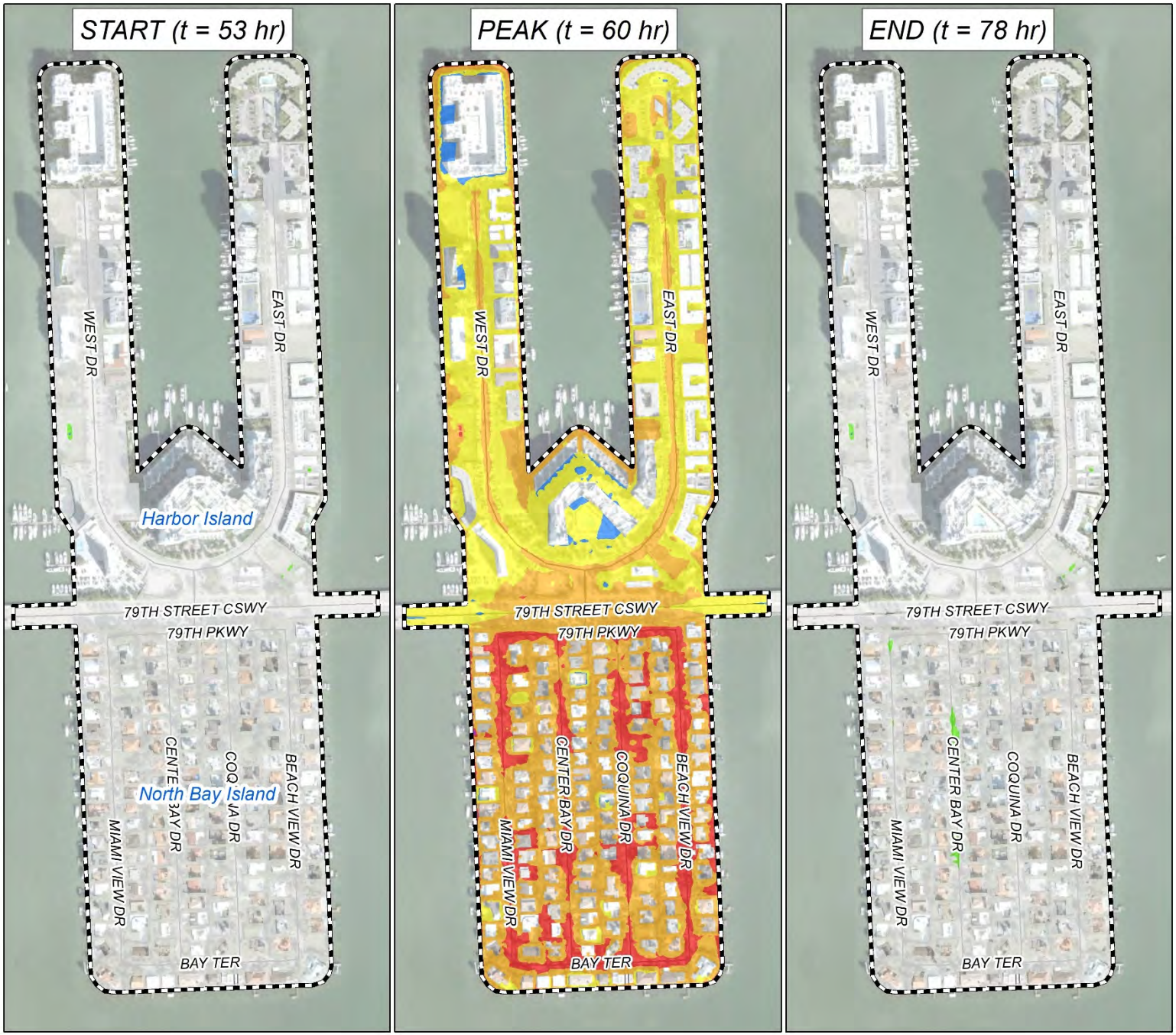
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(100-YEAR 72-HOUR DESIGN STORM)

N
W E
S

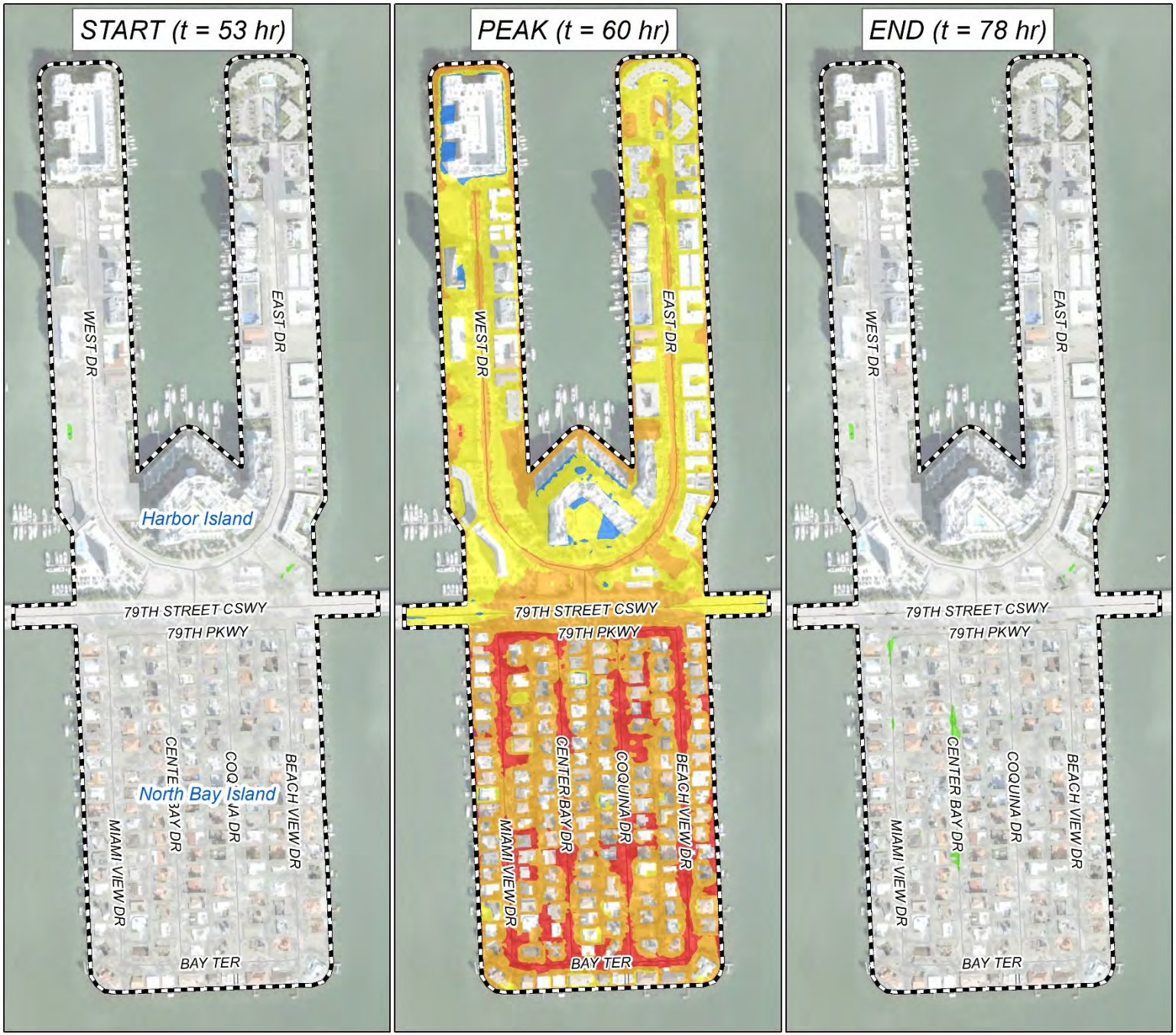
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1098



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(500-YEAR 72-HOUR DESIGN STORM)

N
W E
S

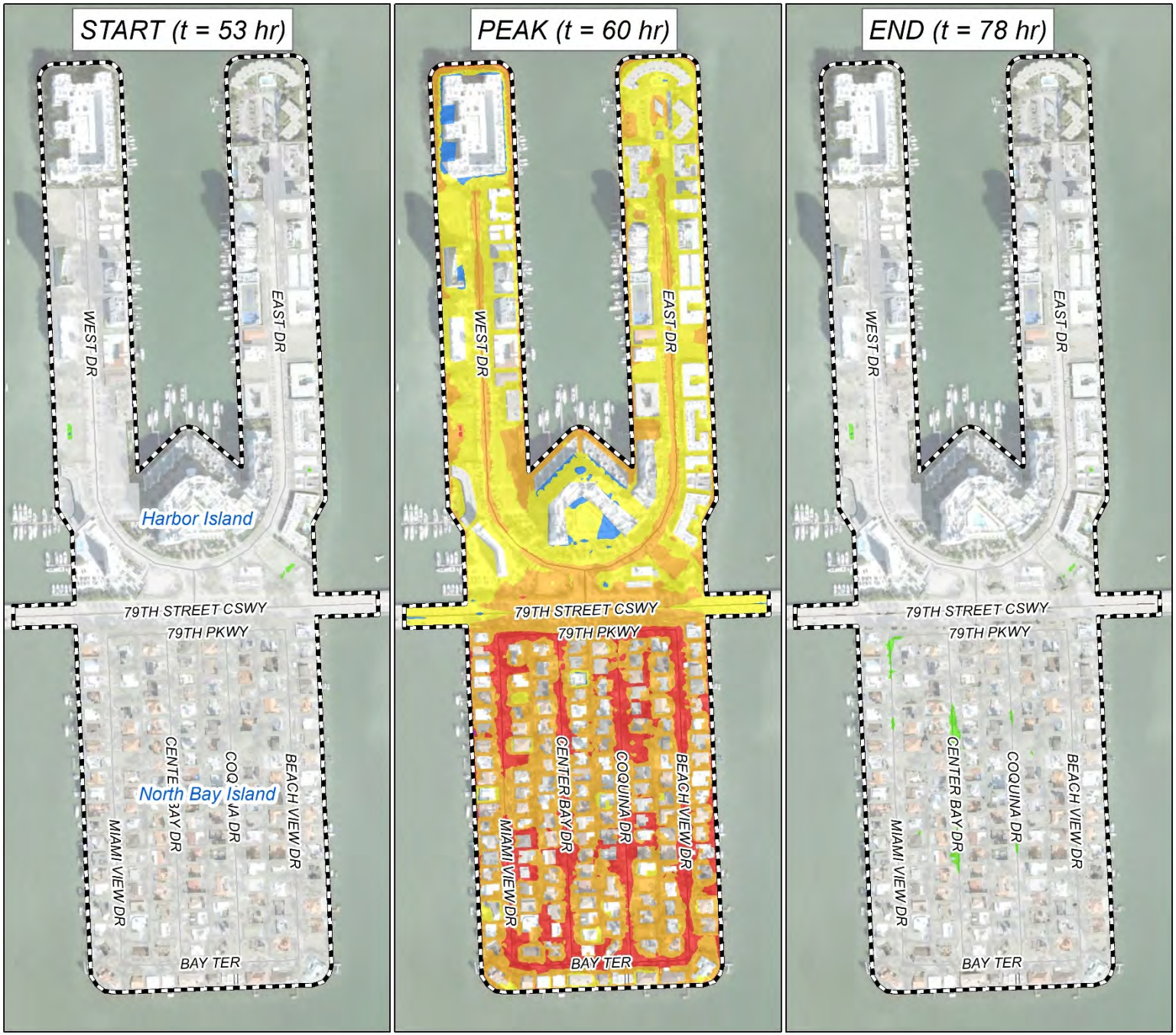
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1099



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(1000-YEAR 72-HOUR DESIGN STORM)

N
W E
S

0 500 1,000 Feet

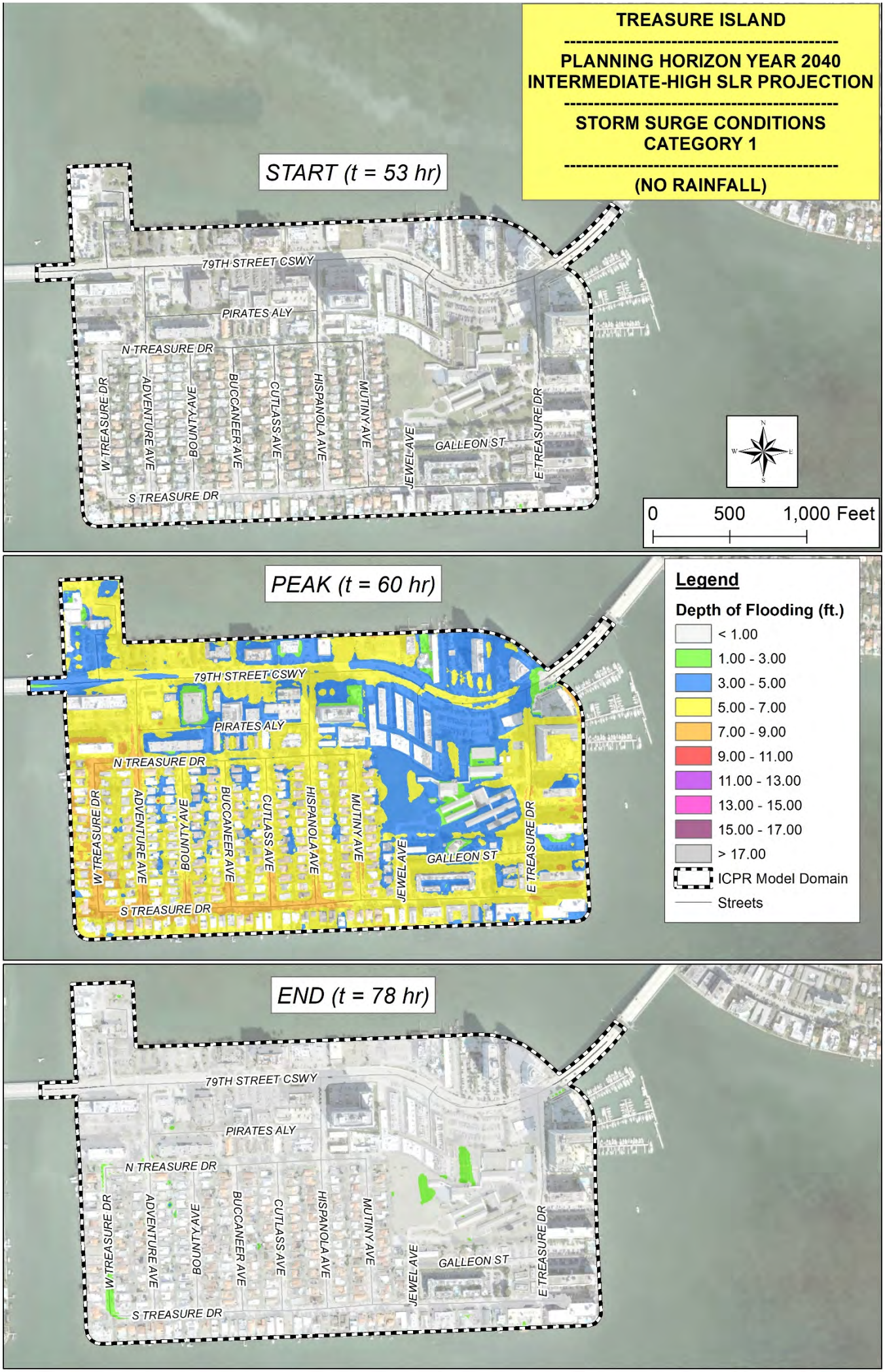
Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1100

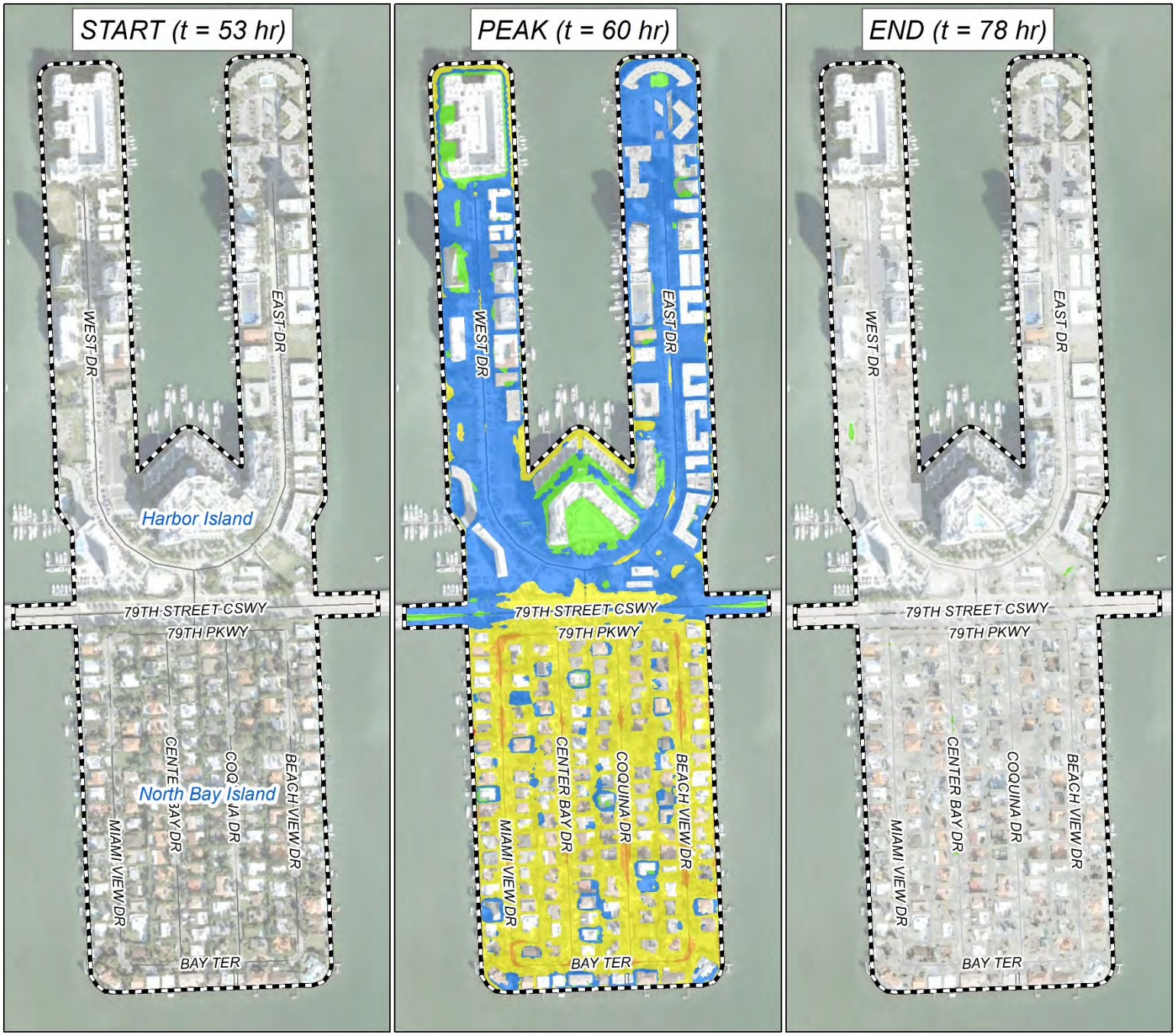
Appendix T – Depth of Category 1 Storm Surge Flood Maps in 2040 Intermediate-High SLR Scenario


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(NO RAINFALL)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(NO RAINFALL)

N
W E
S

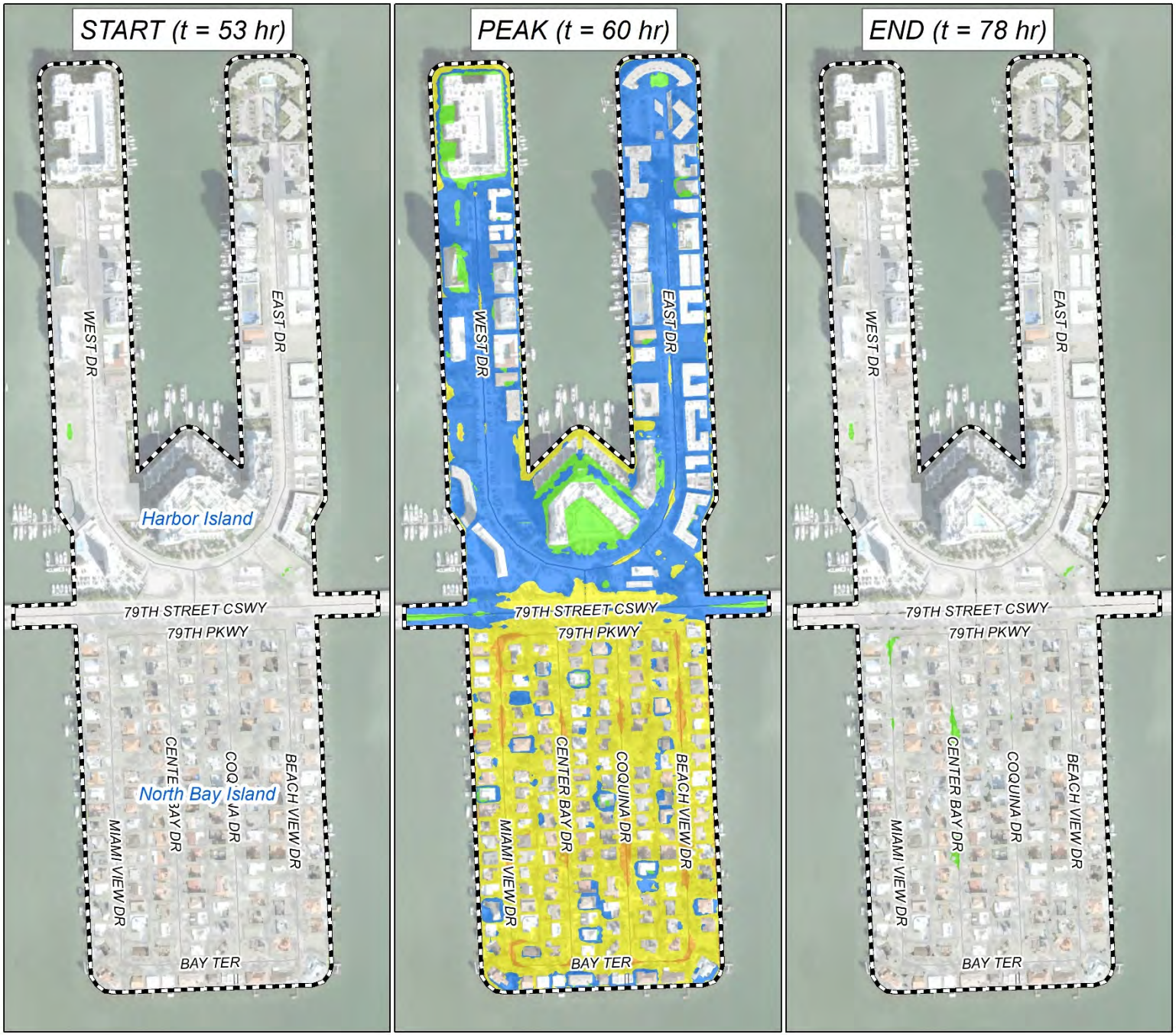
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1106



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(100-YEAR 72-HOUR DESIGN STORM)

N
W E
S

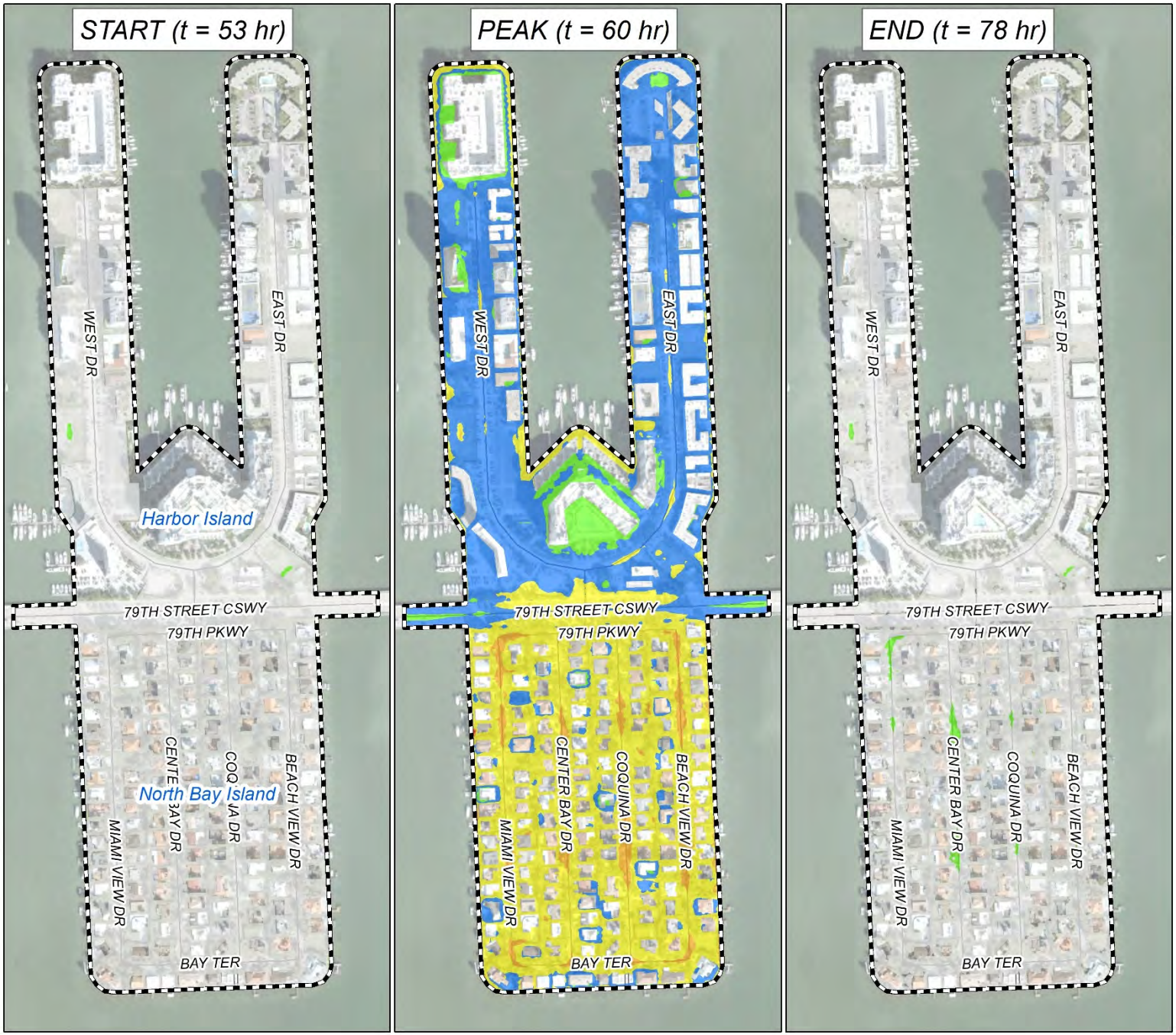
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1107



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(500-YEAR 72-HOUR DESIGN STORM)

N
W E
S

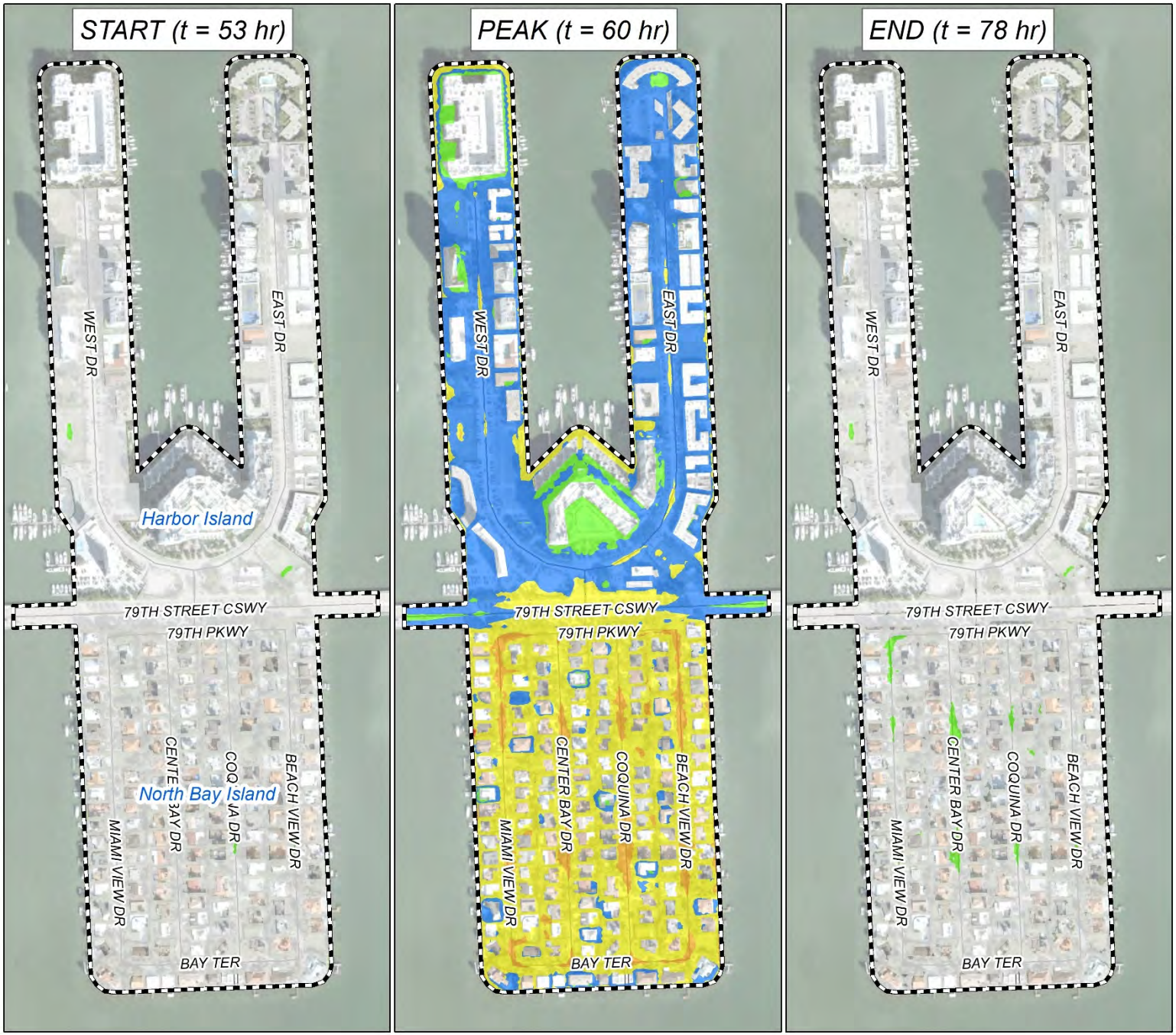
0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

1108



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(1000-YEAR 72-HOUR DESIGN STORM)

N
W E
S

0 500 1,000 Feet

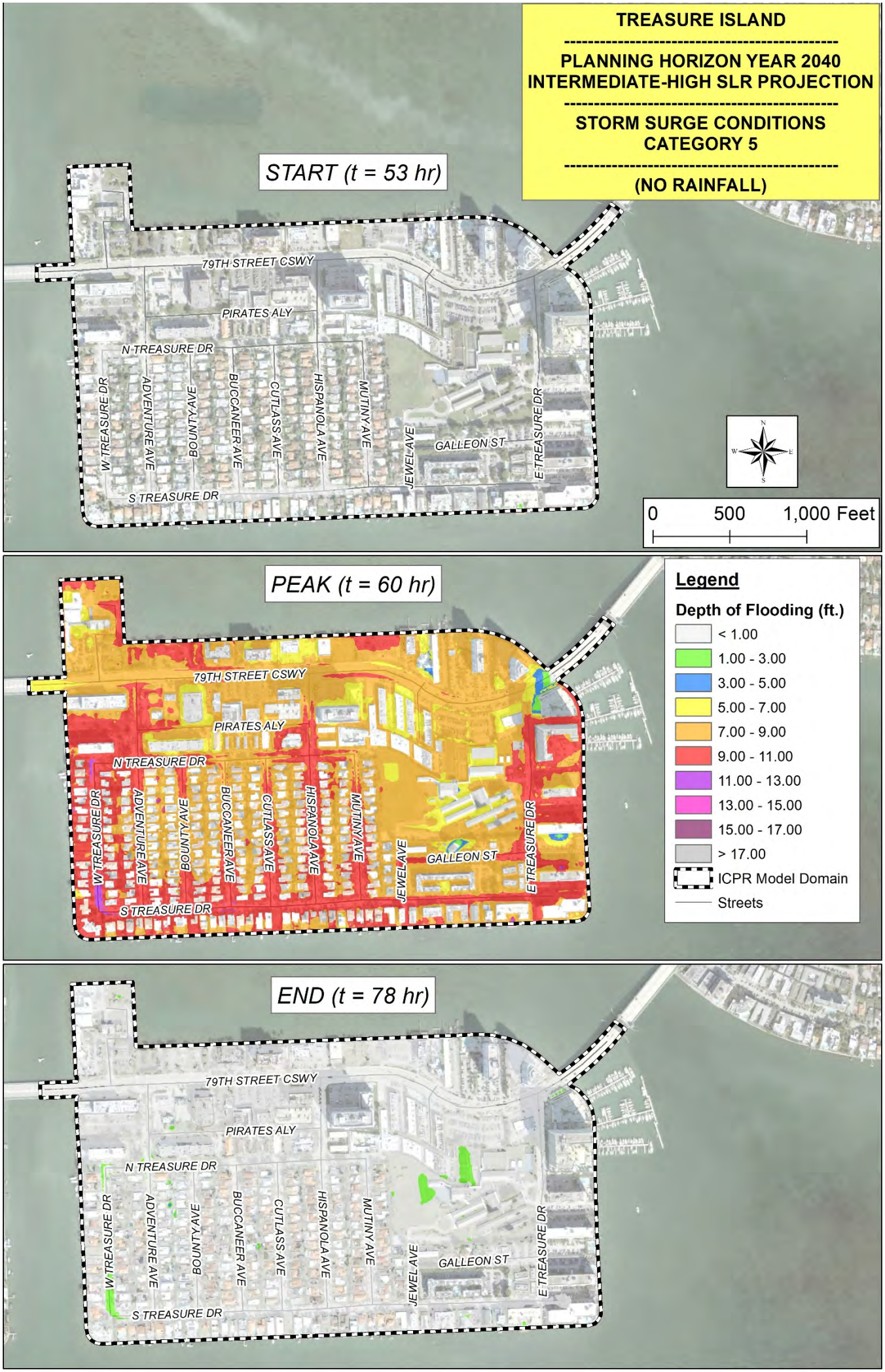
Legend

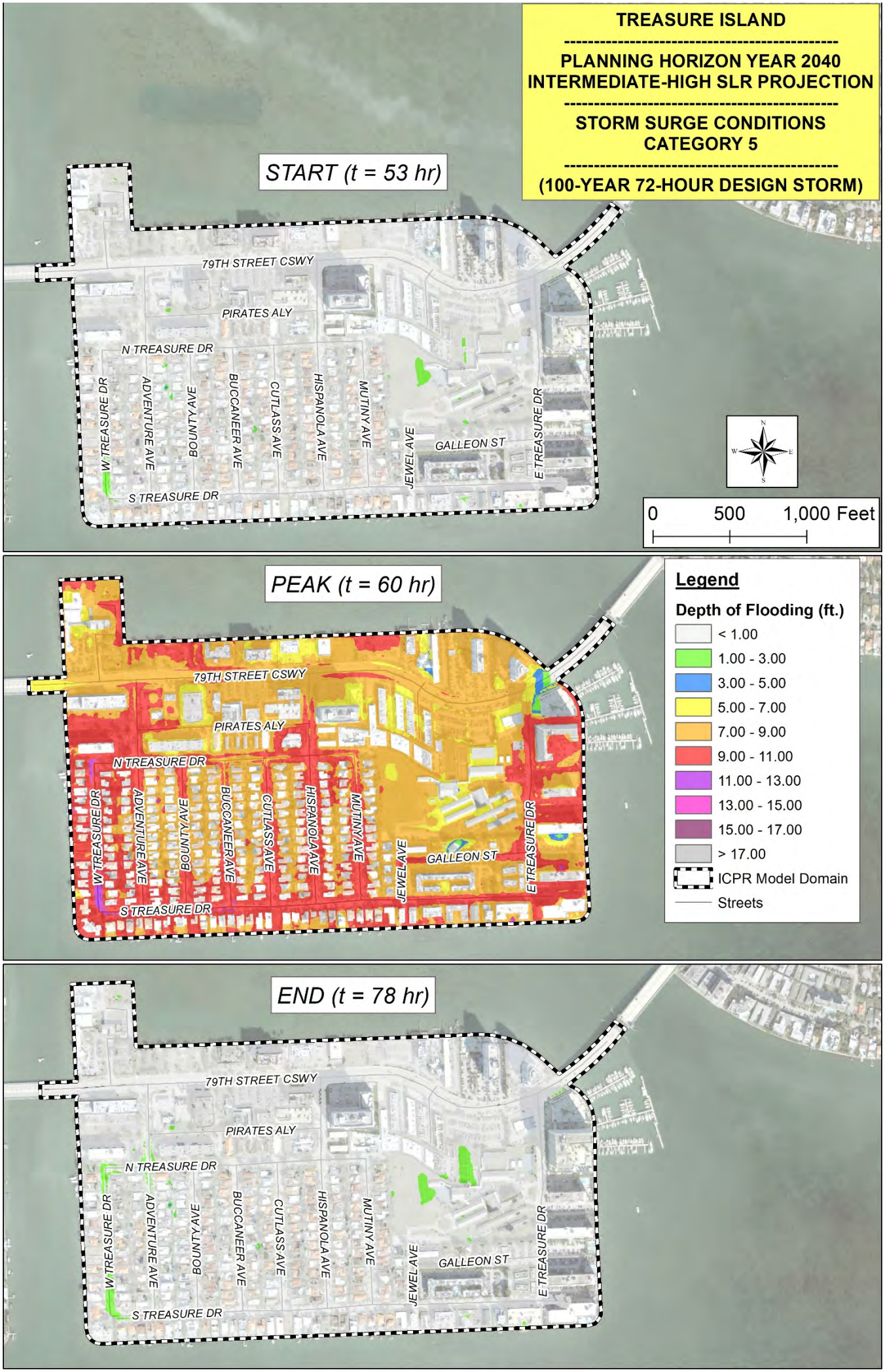
Depth of Flooding (ft.)

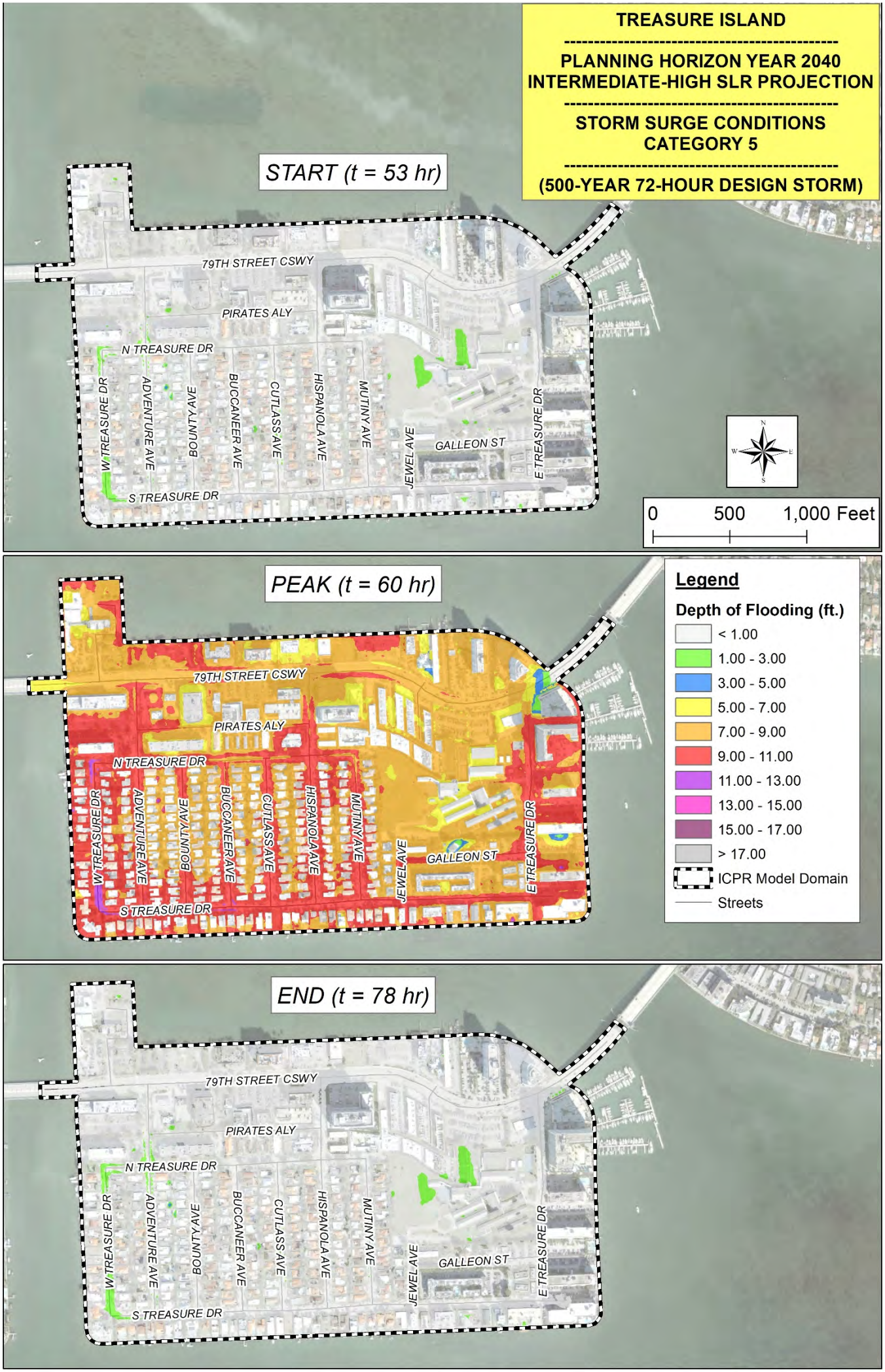
- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

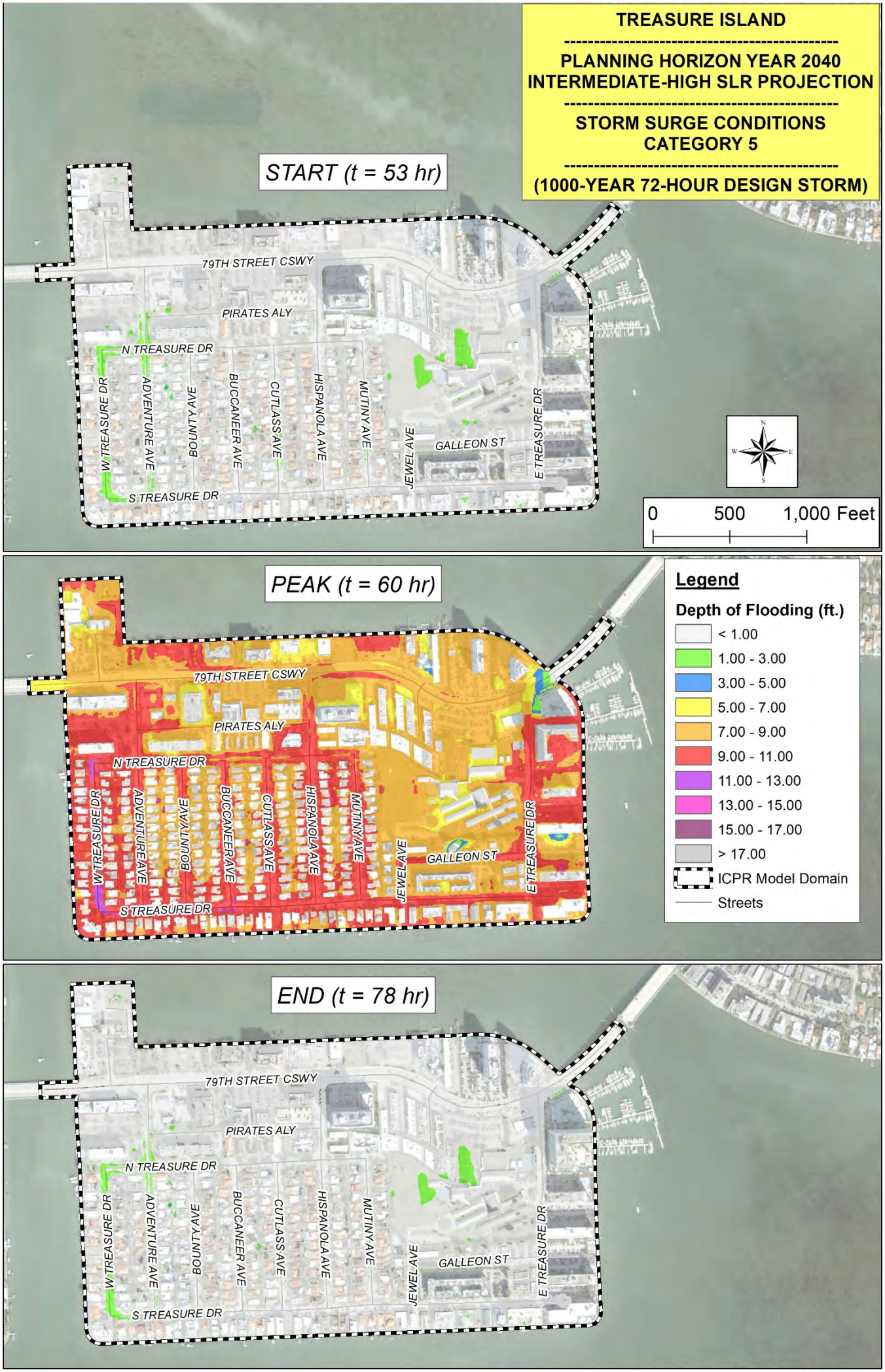
1109

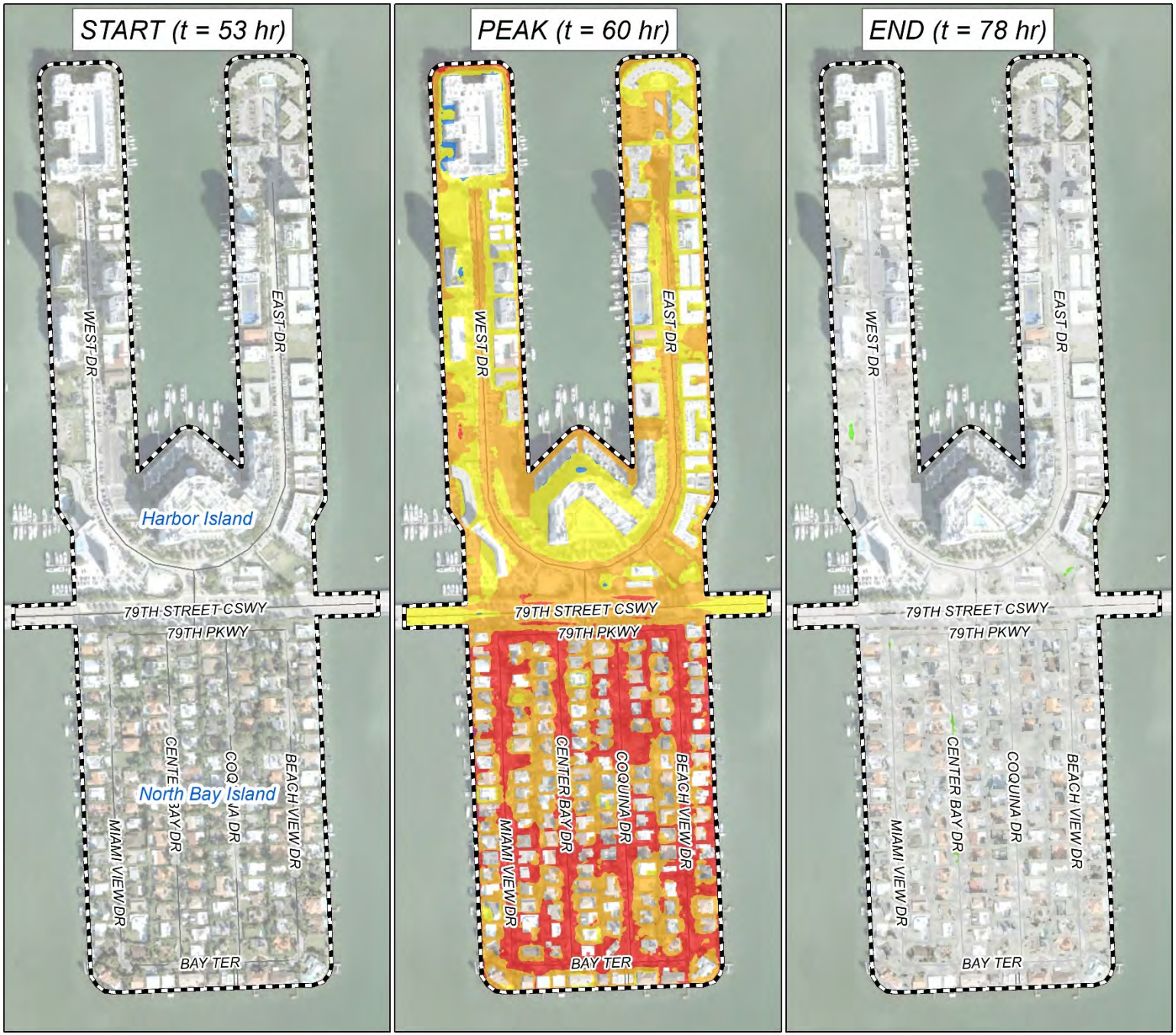
Appendix U – Depth of Category 5 Storm Surge Flood Maps in 2040 Intermediate-High SLR Scenario


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(NO RAINFALL)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
S
W
E
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(NO RAINFALL)

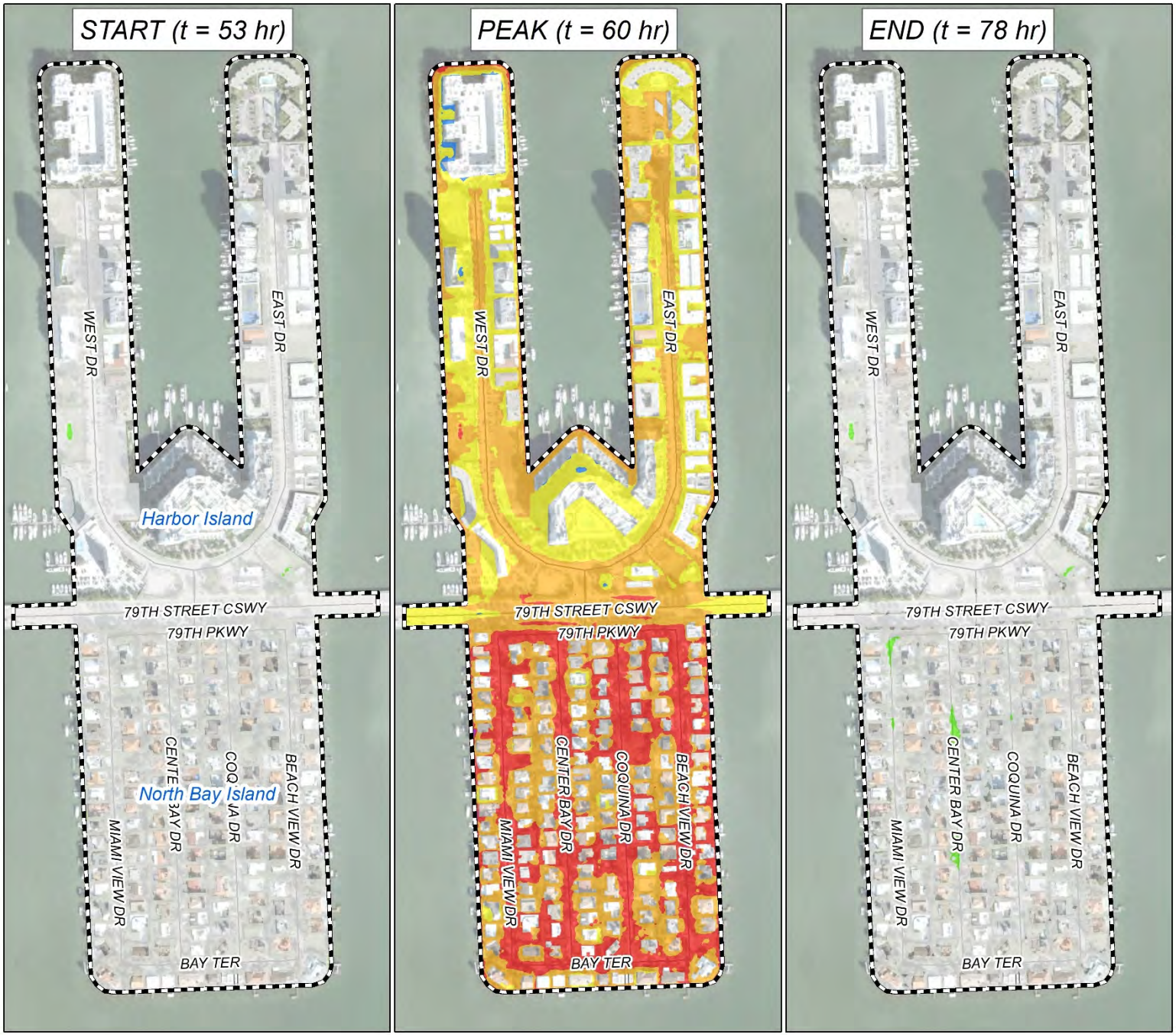
N
W
E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(100-YEAR 72-HOUR DESIGN STORM)

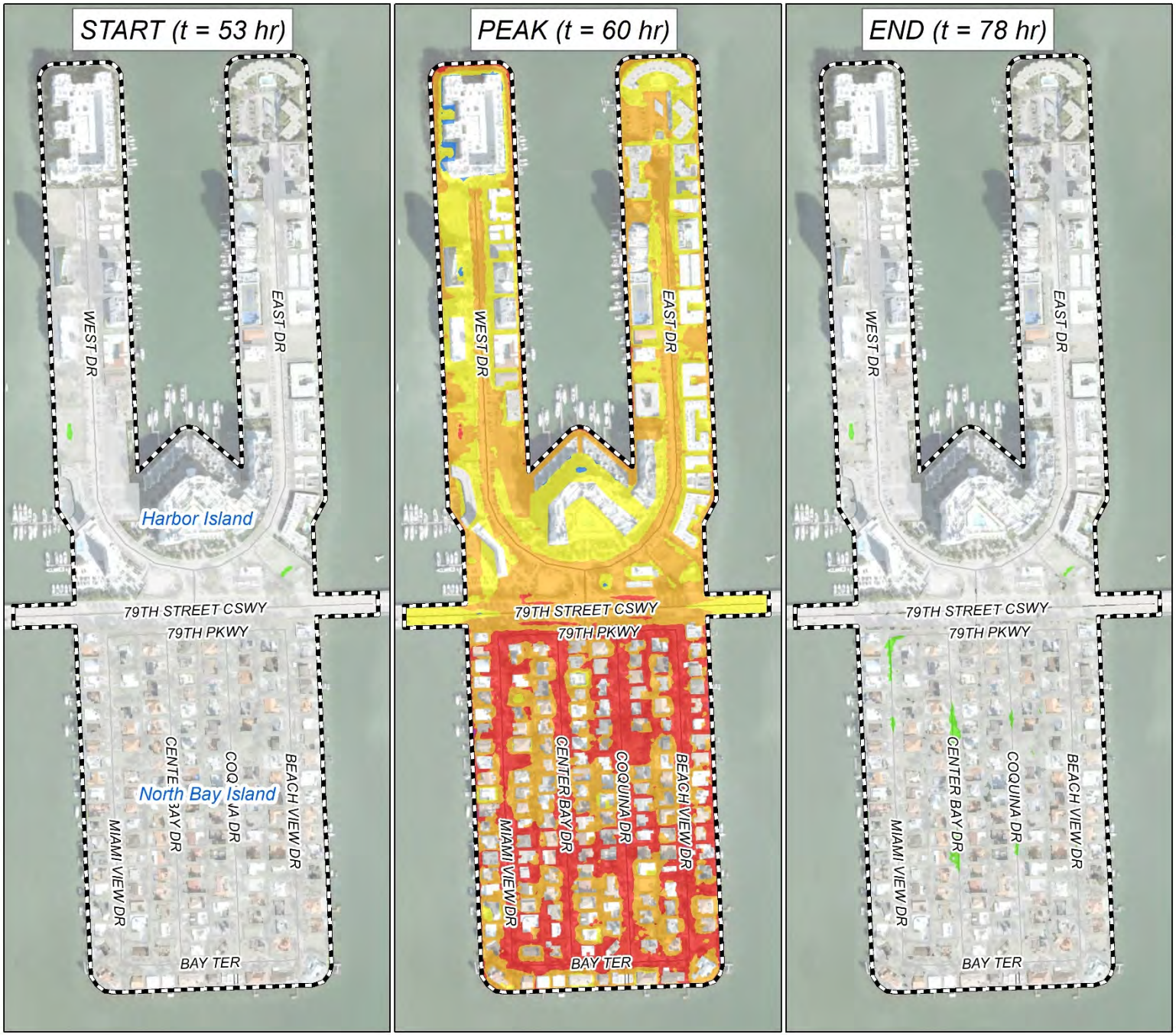
N
W
E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(500-YEAR 72-HOUR DESIGN STORM)

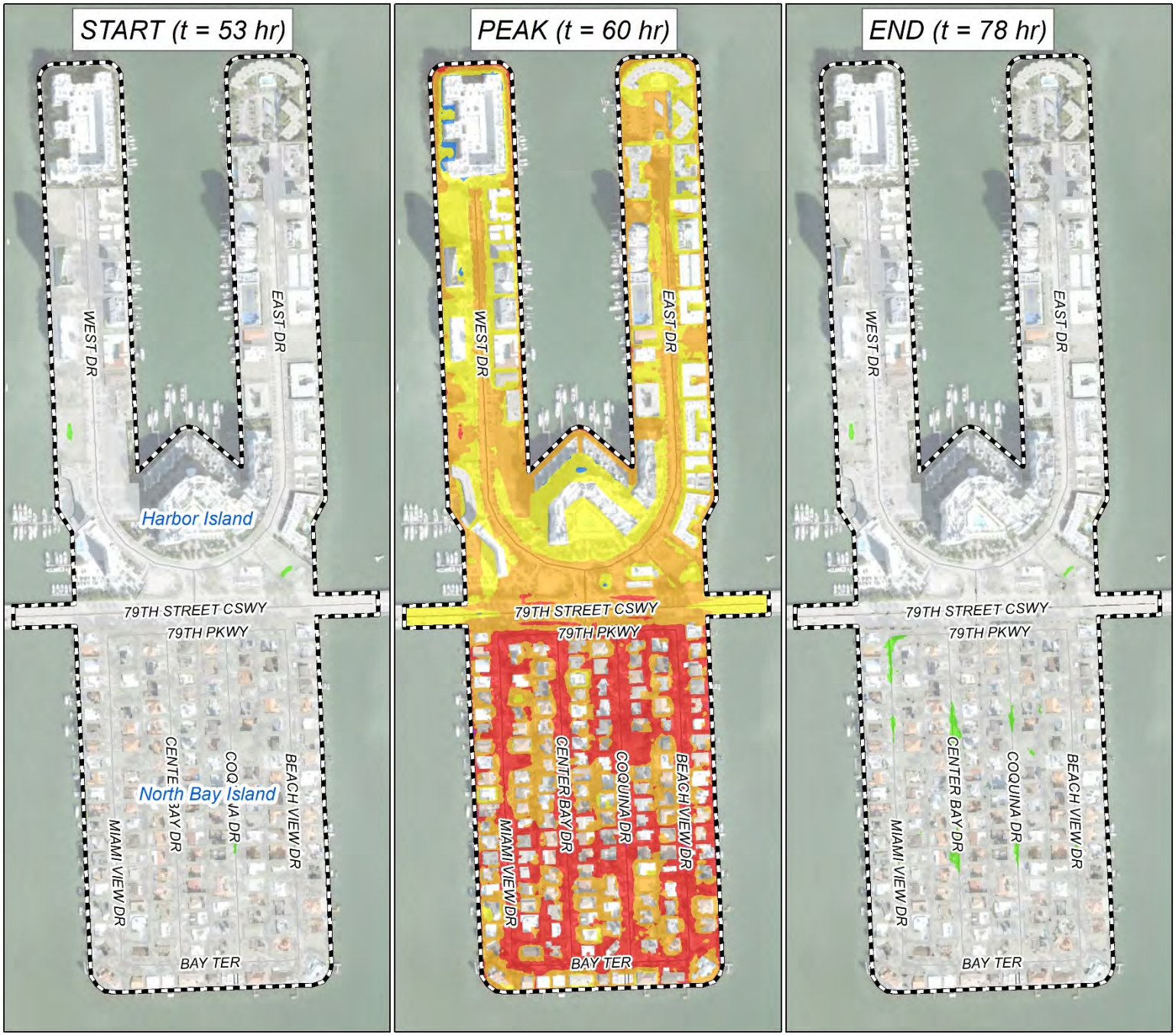
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(1000-YEAR 72-HOUR DESIGN STORM)

N
W E
S

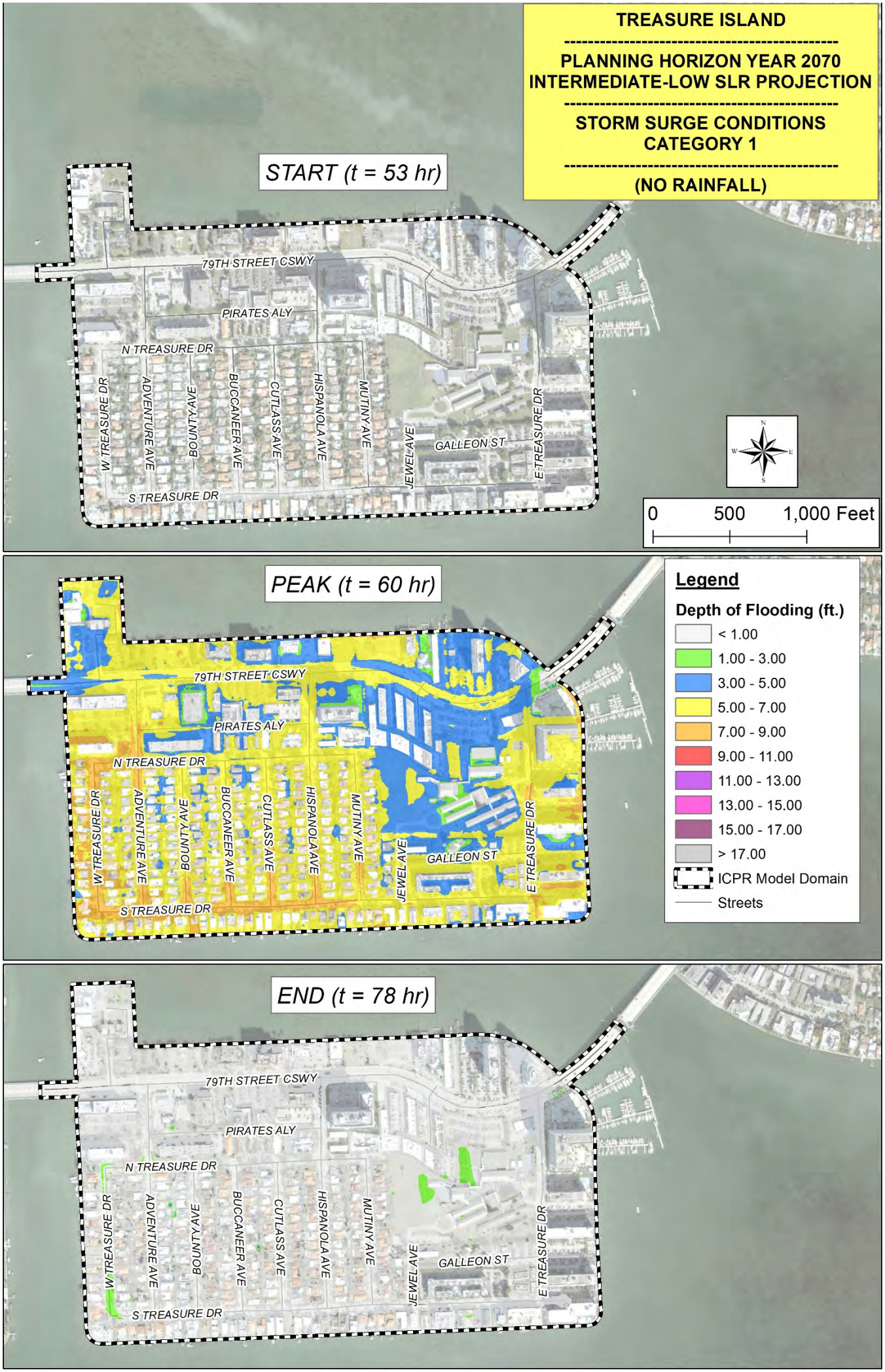
0 500 1,000 Feet

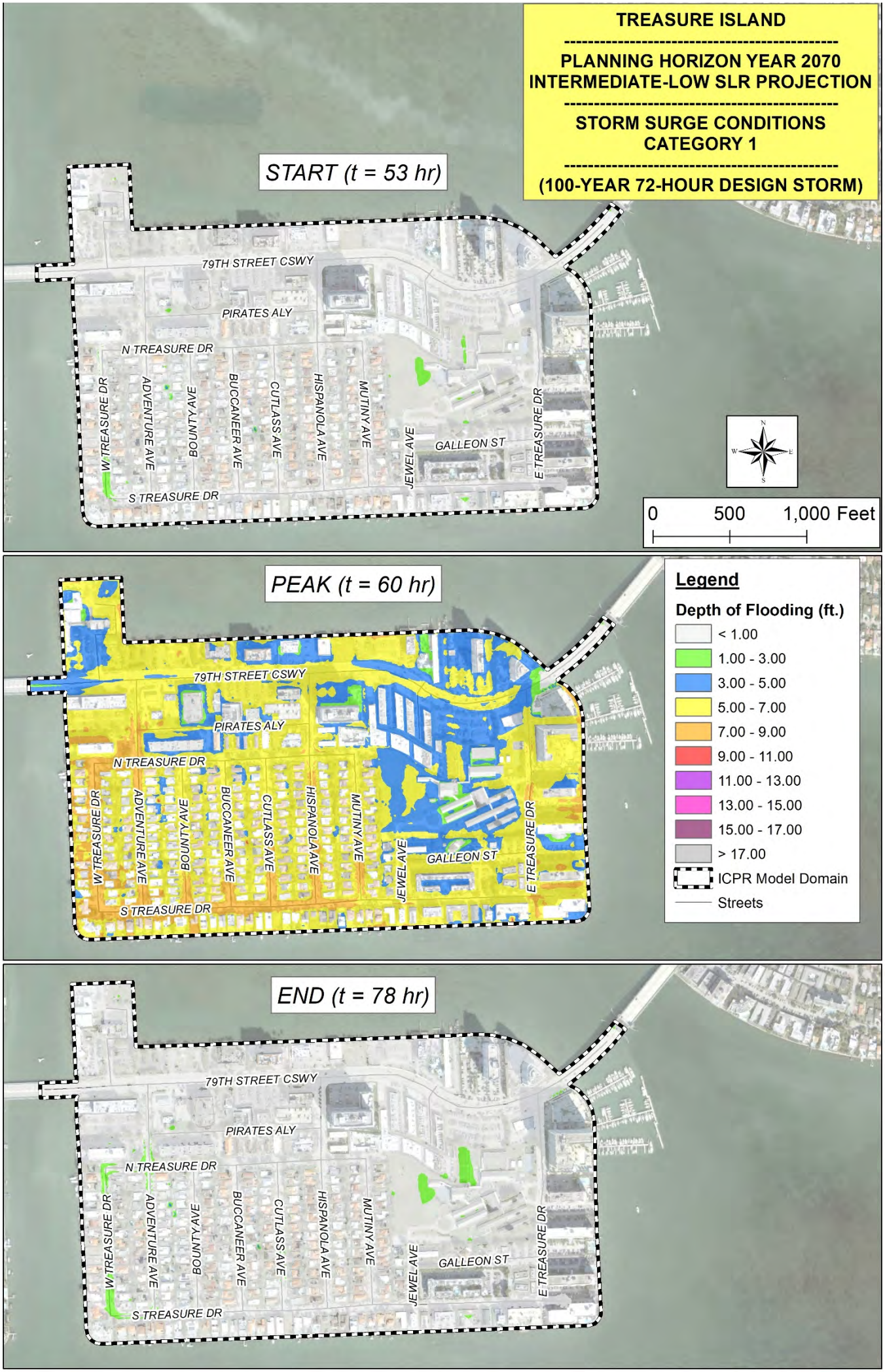
Legend

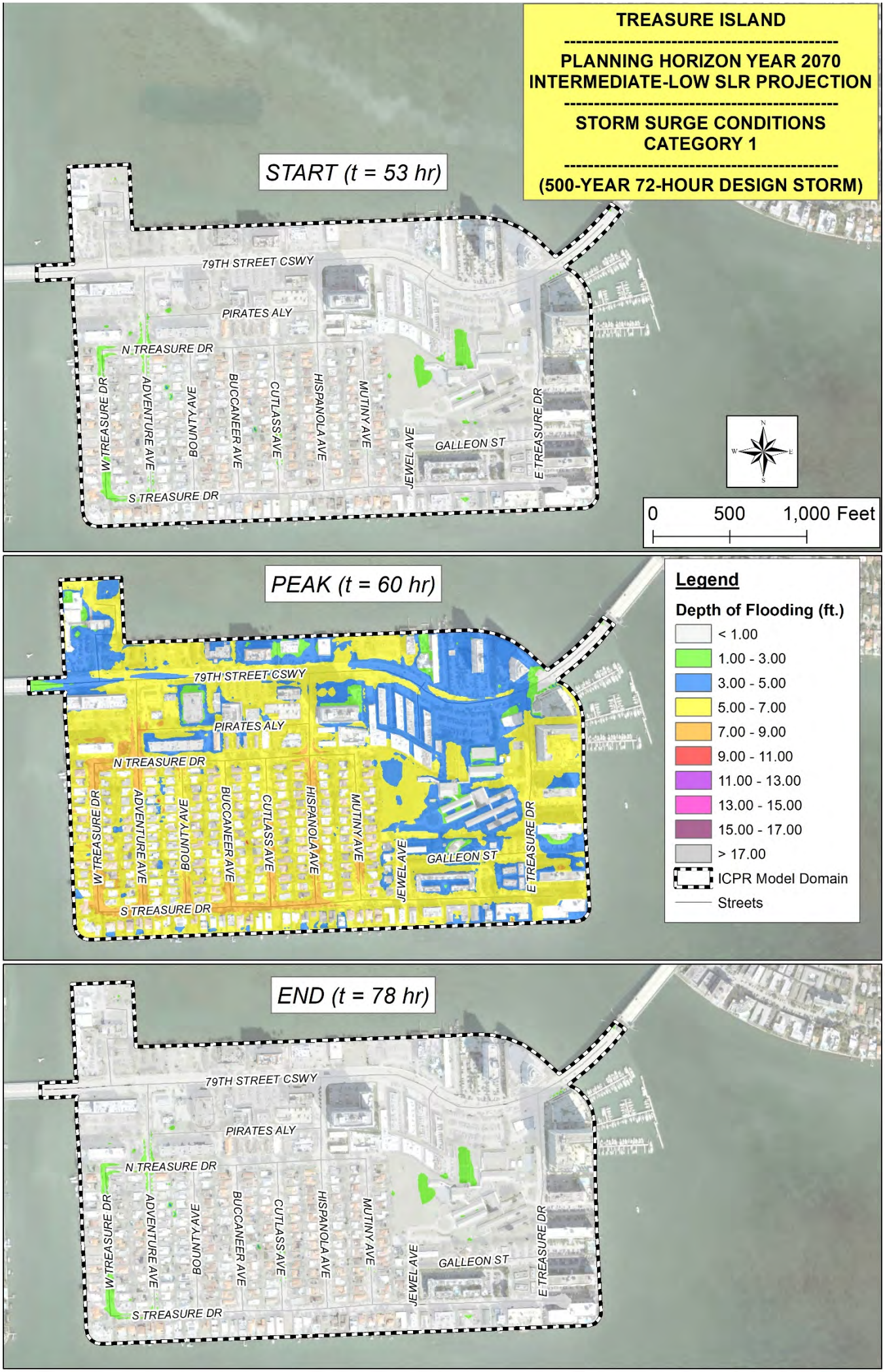
Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

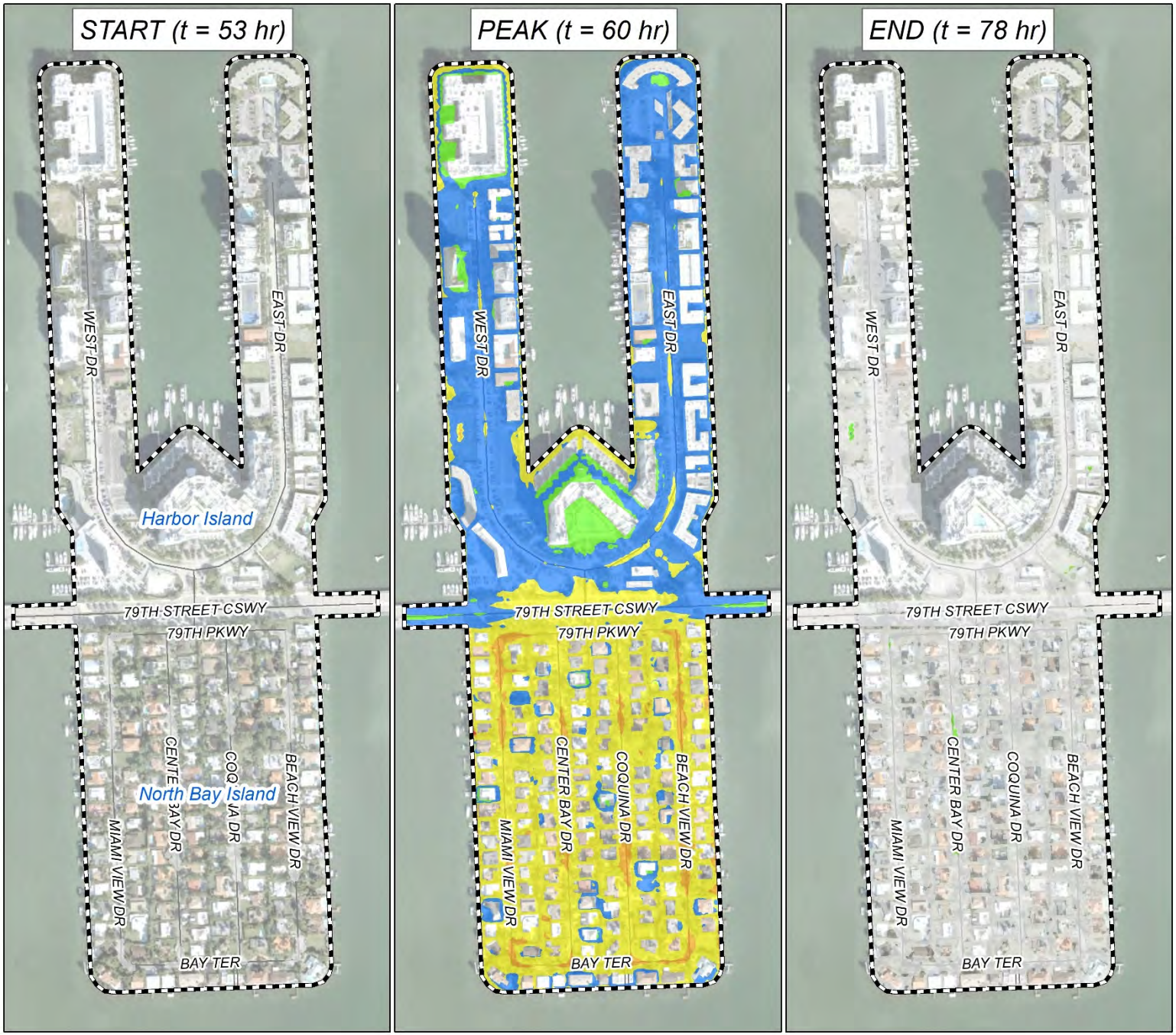
Appendix V – Depth of Category 1 Storm Surge Flood Maps in 2070 Intermediate-Low SLR Scenario


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(NO RAINFALL)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
0 500 1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(NO RAINFALL)

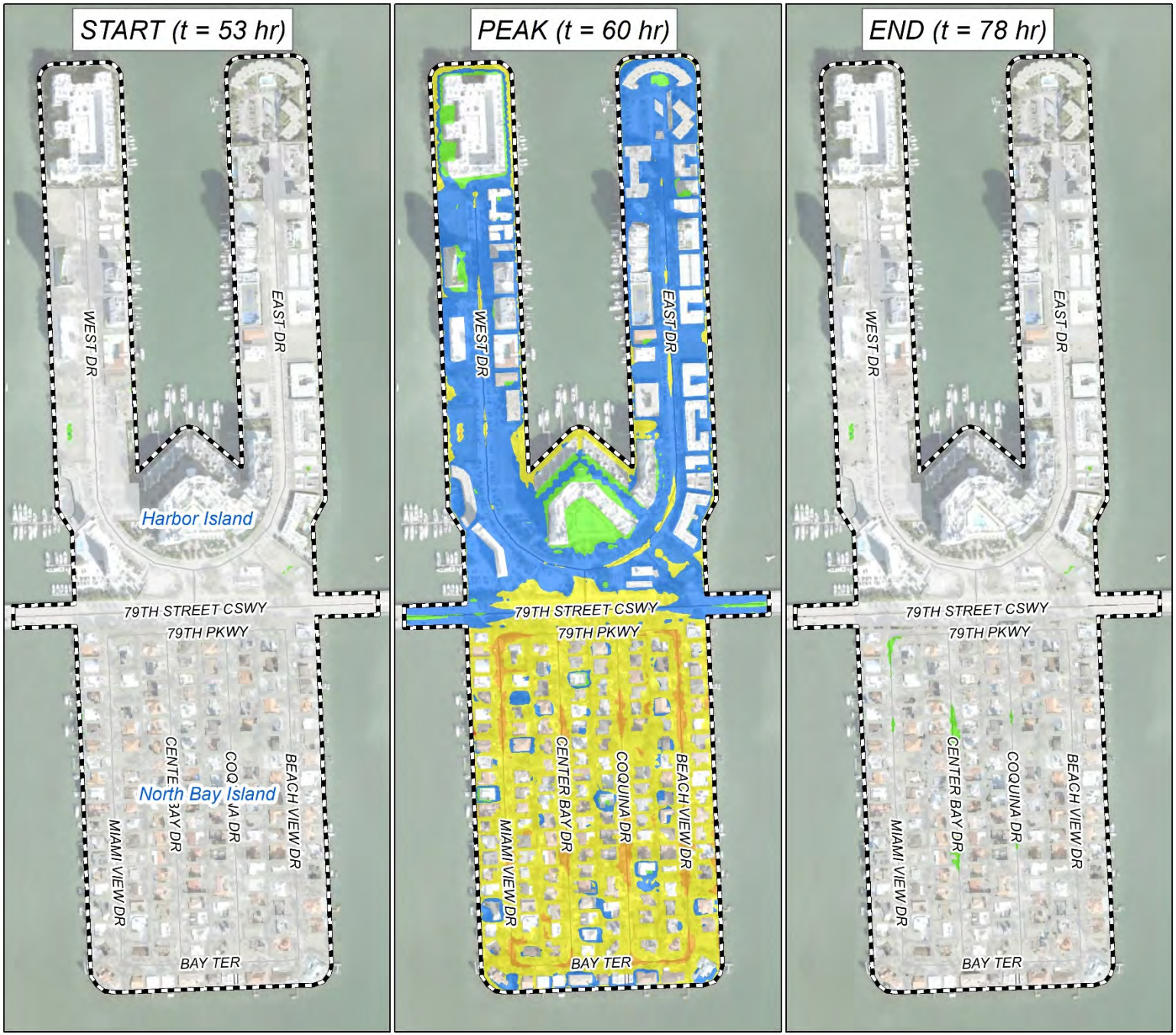
N
W
E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(100-YEAR 72-HOUR DESIGN STORM)

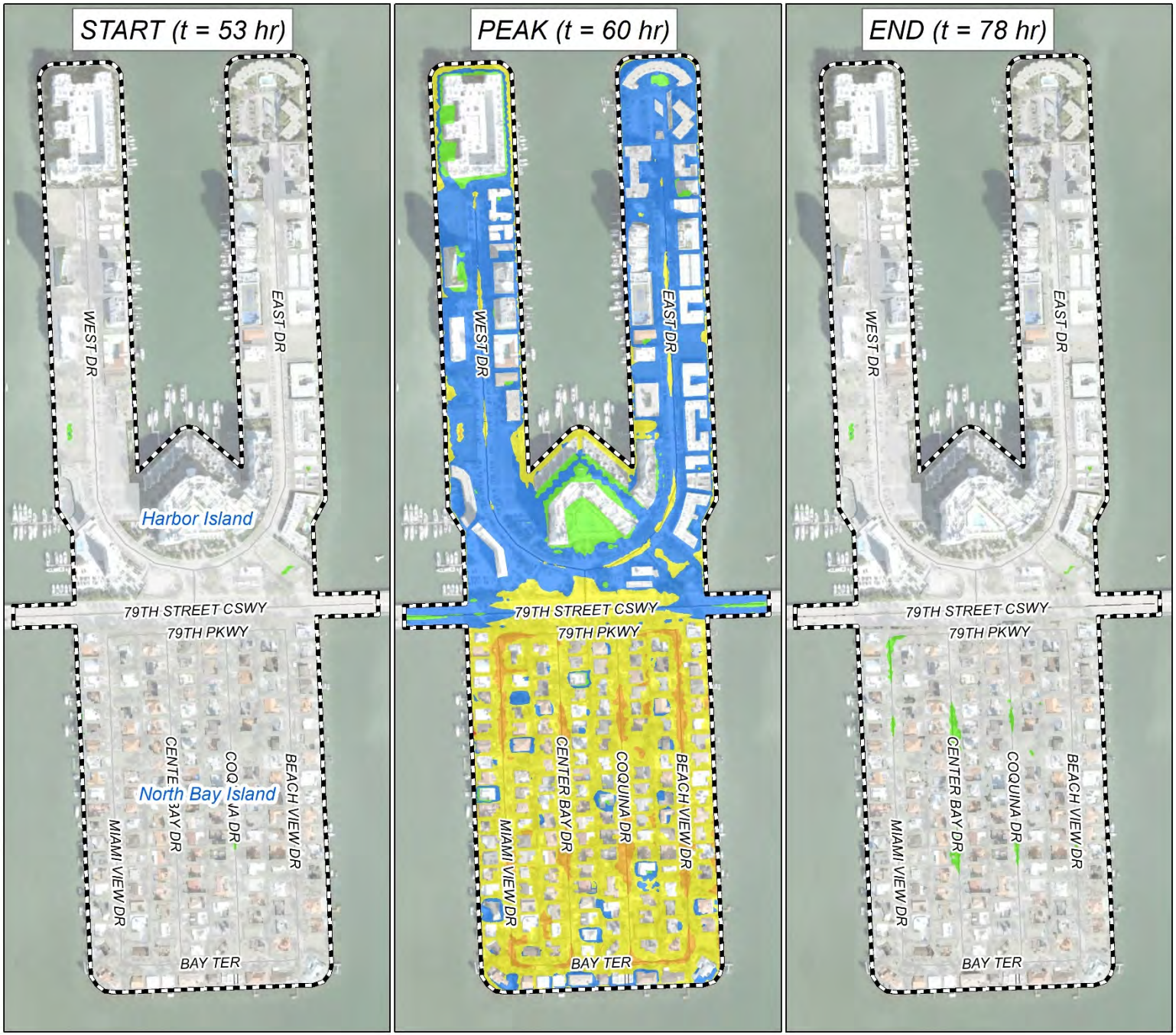
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(500-YEAR 72-HOUR DESIGN STORM)

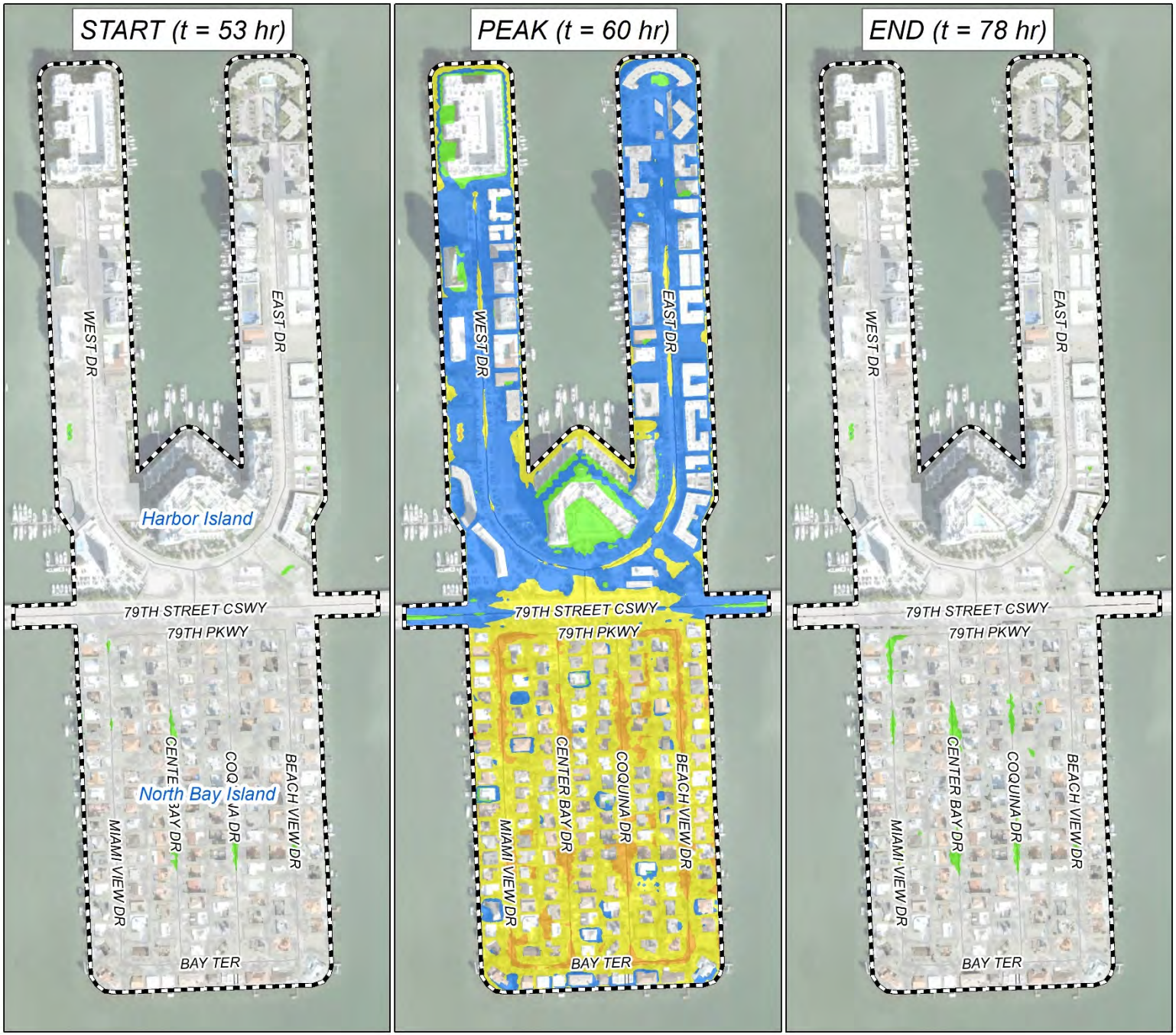
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(1000-YEAR 72-HOUR DESIGN STORM)

N
W
E
S

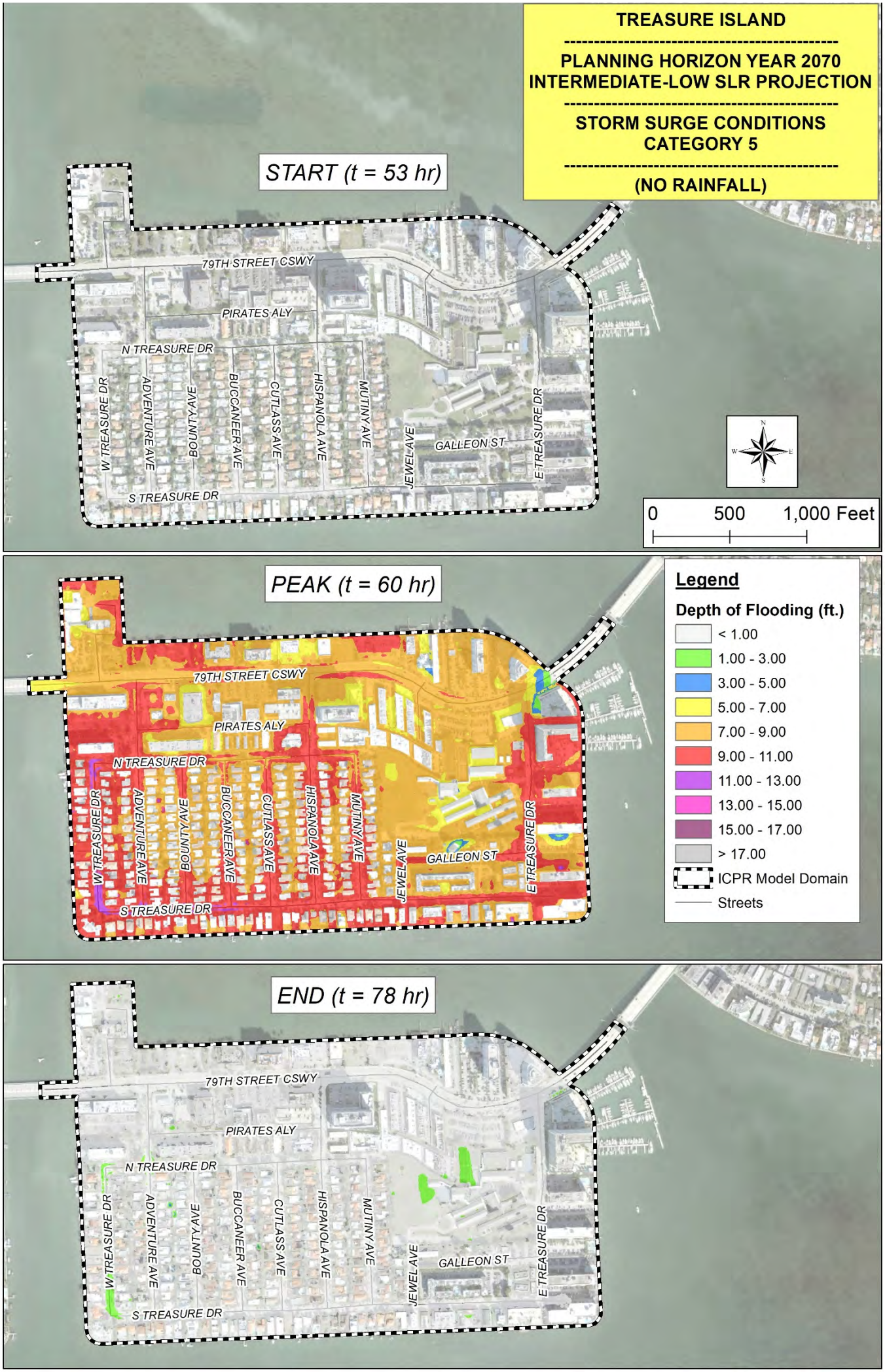
0 500 1,000 Feet

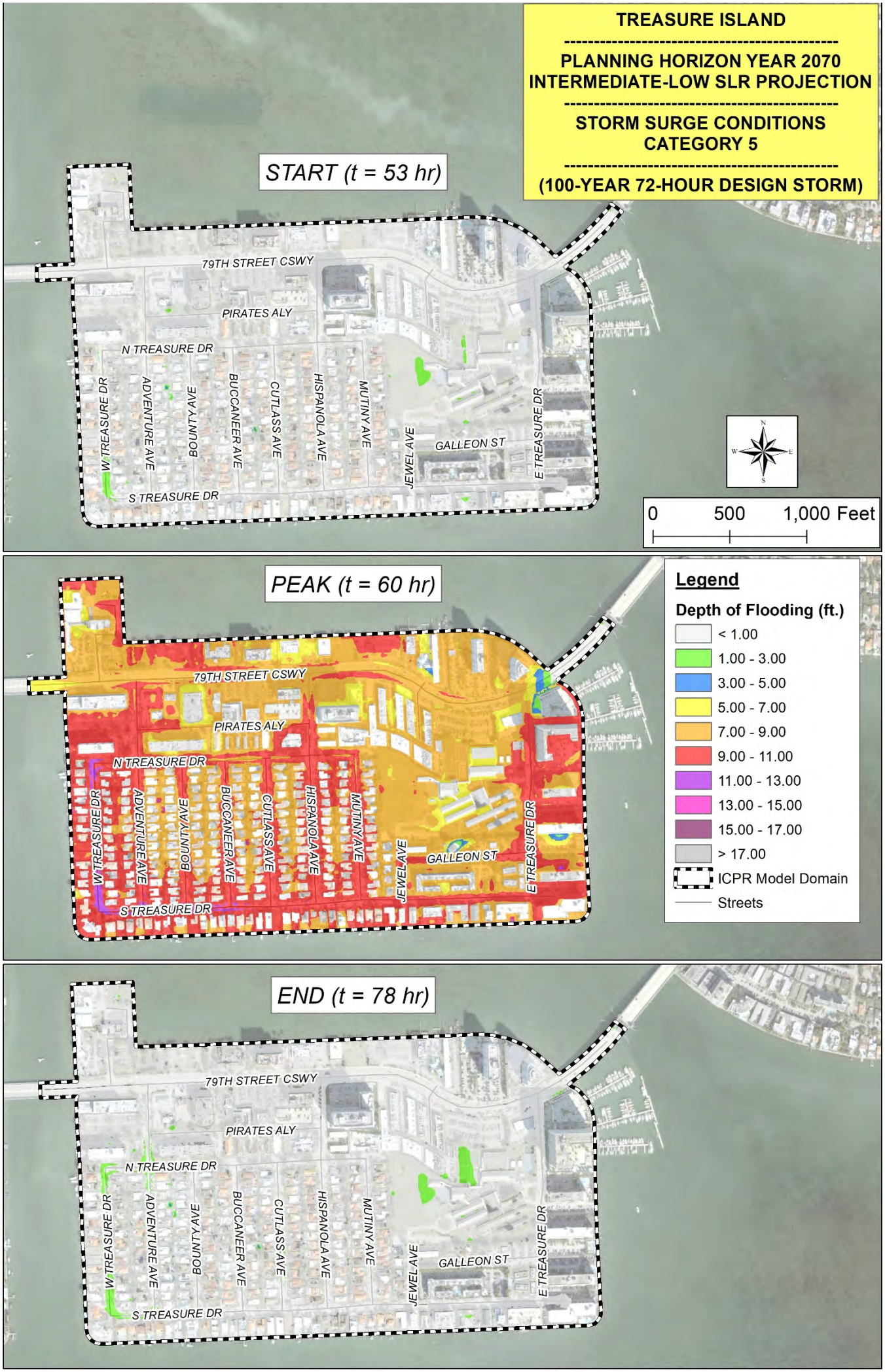
Legend

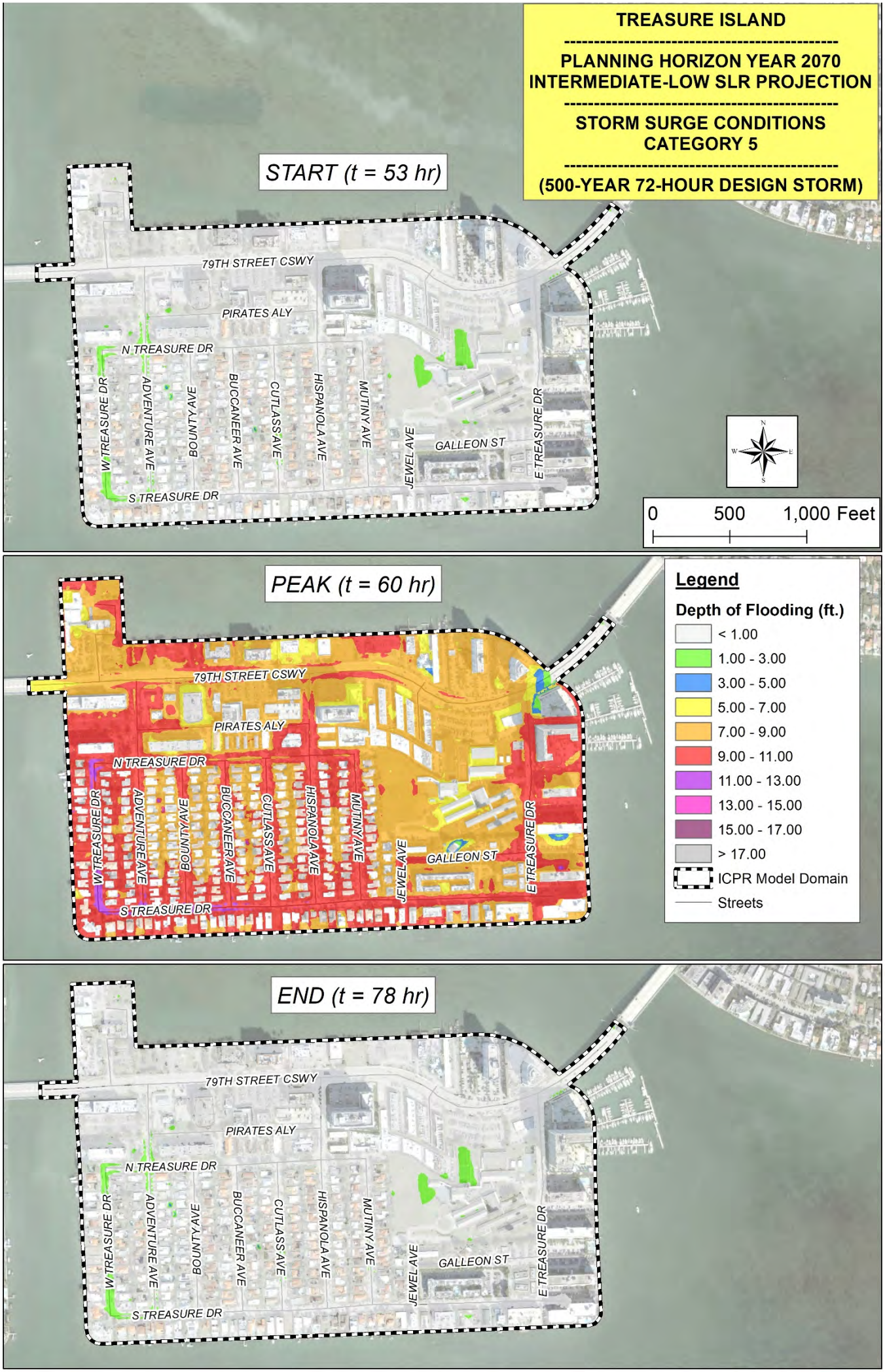
Depth of Flooding (ft.)

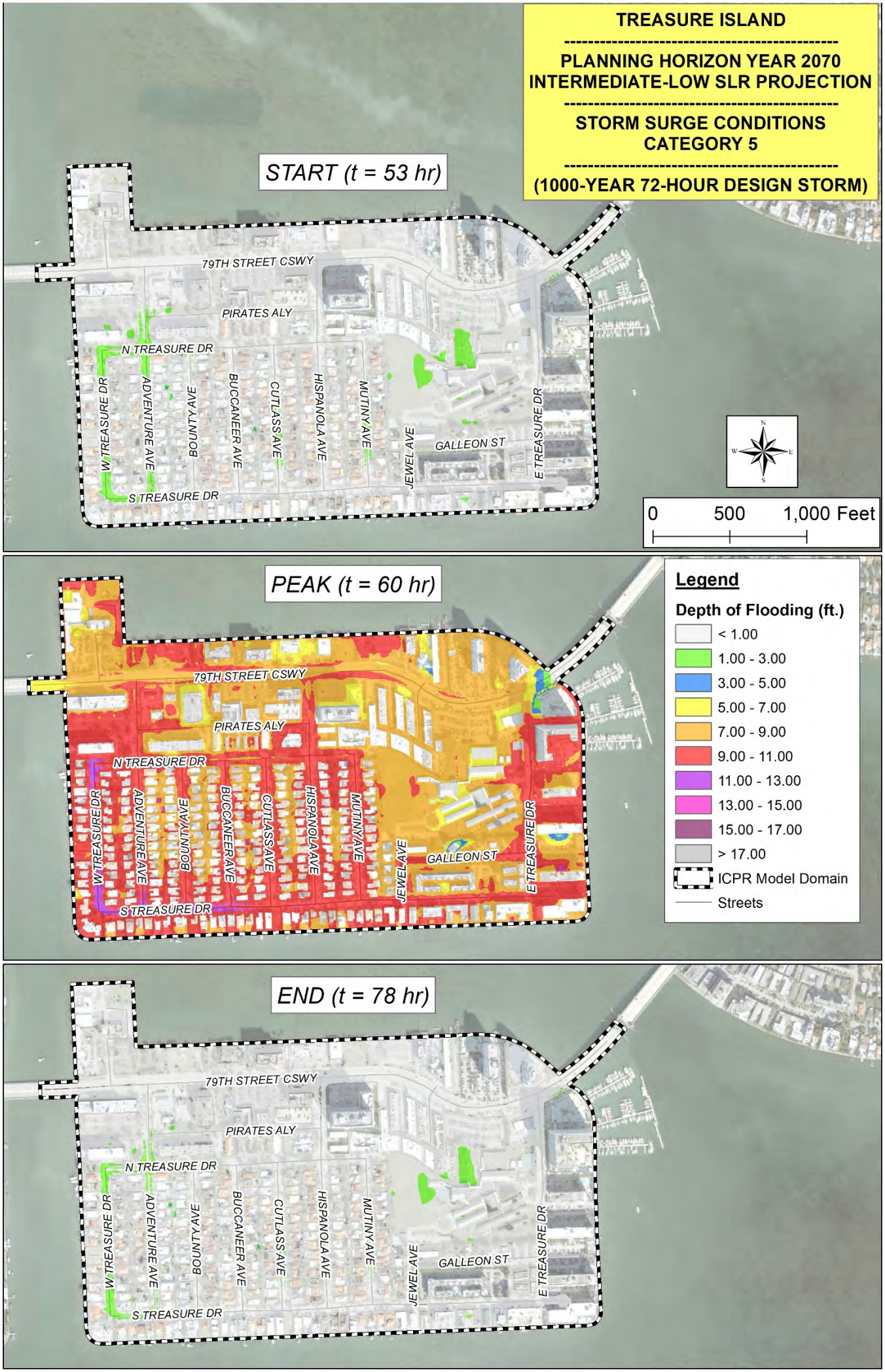
- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

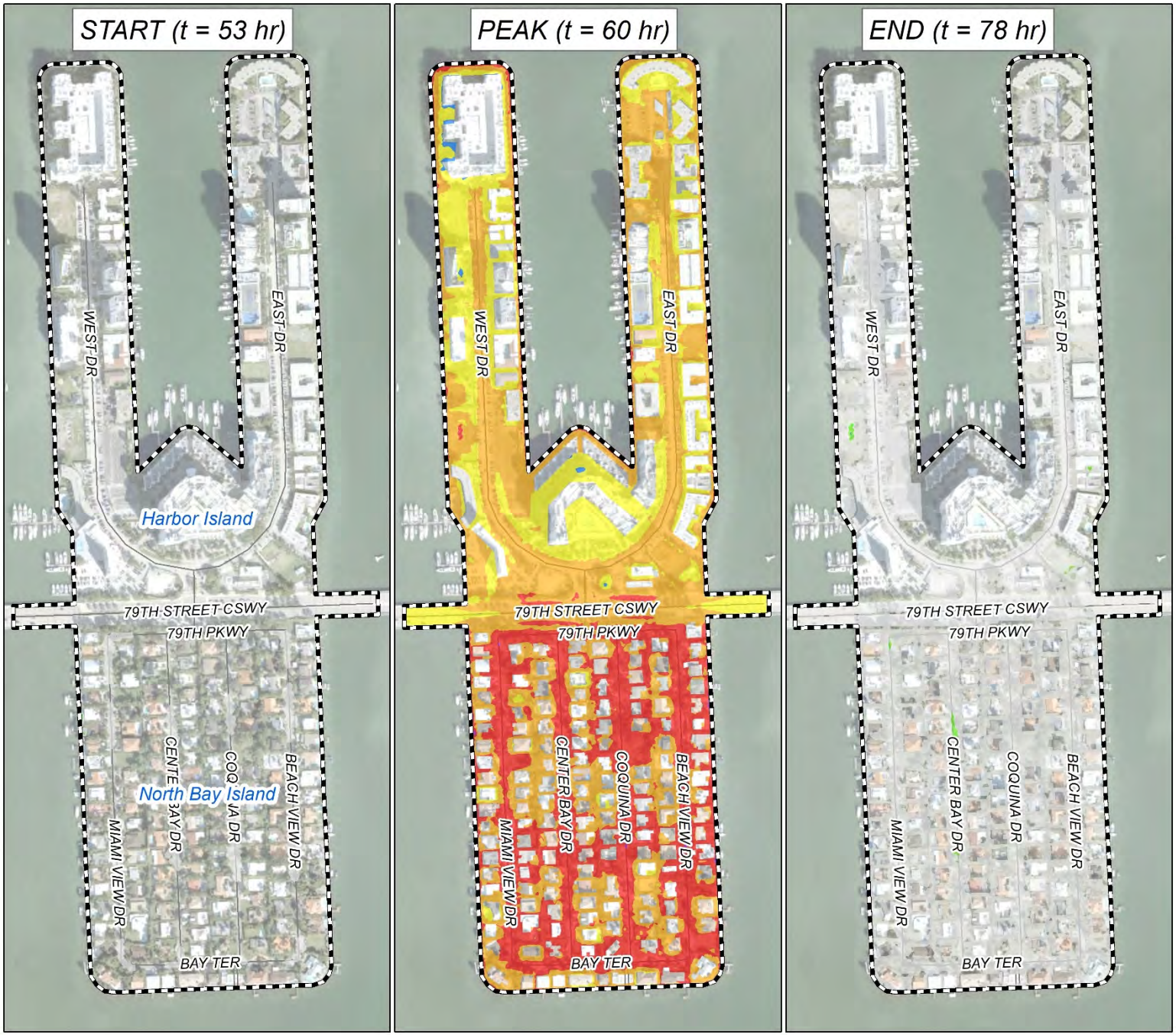
Appendix W – Depth of Category 5 Storm Surge Flood Maps in 2070 Intermediate-Low SLR Scenario


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(NO RAINFALL)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(NO RAINFALL)

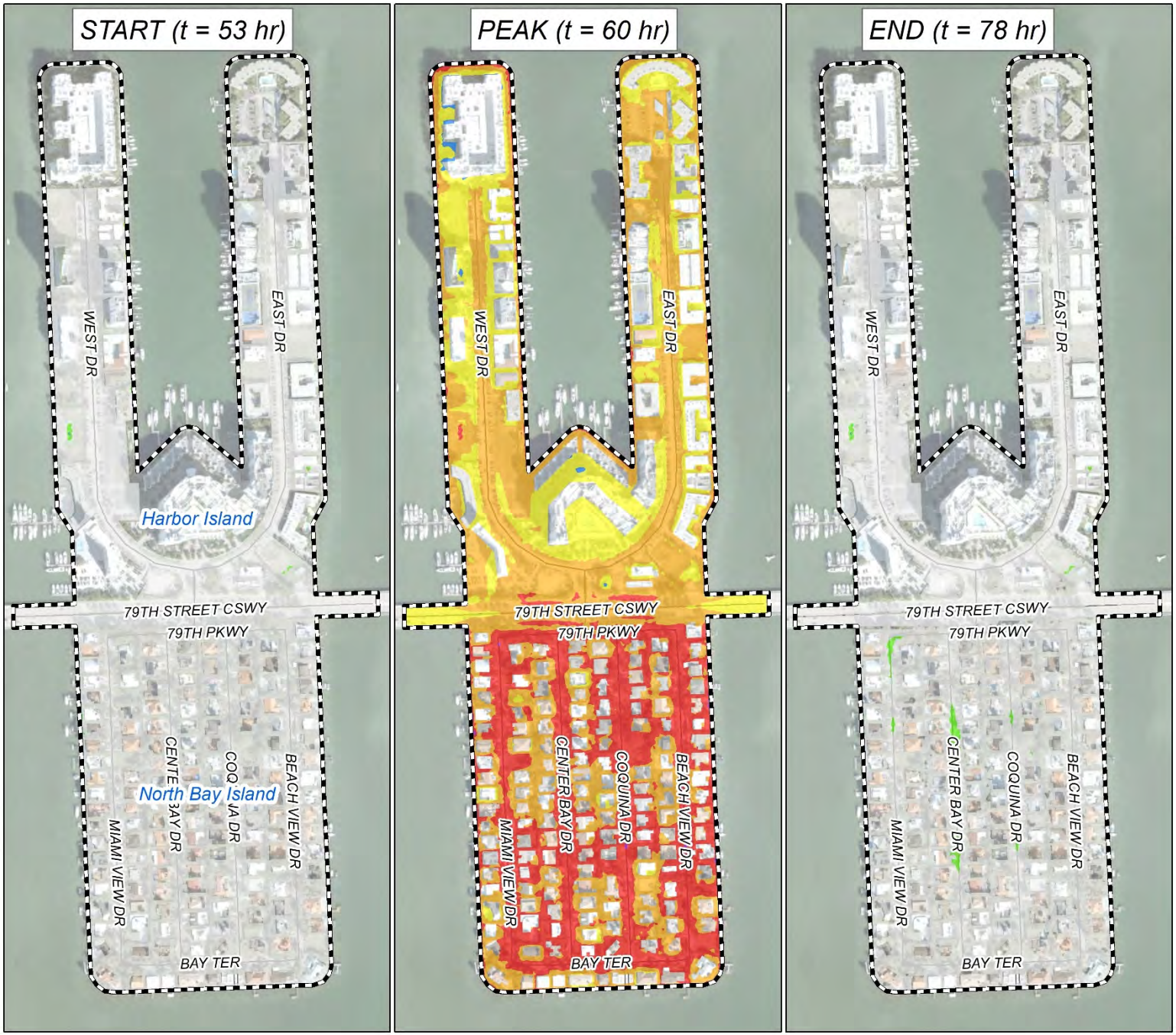
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(100-YEAR 72-HOUR DESIGN STORM)

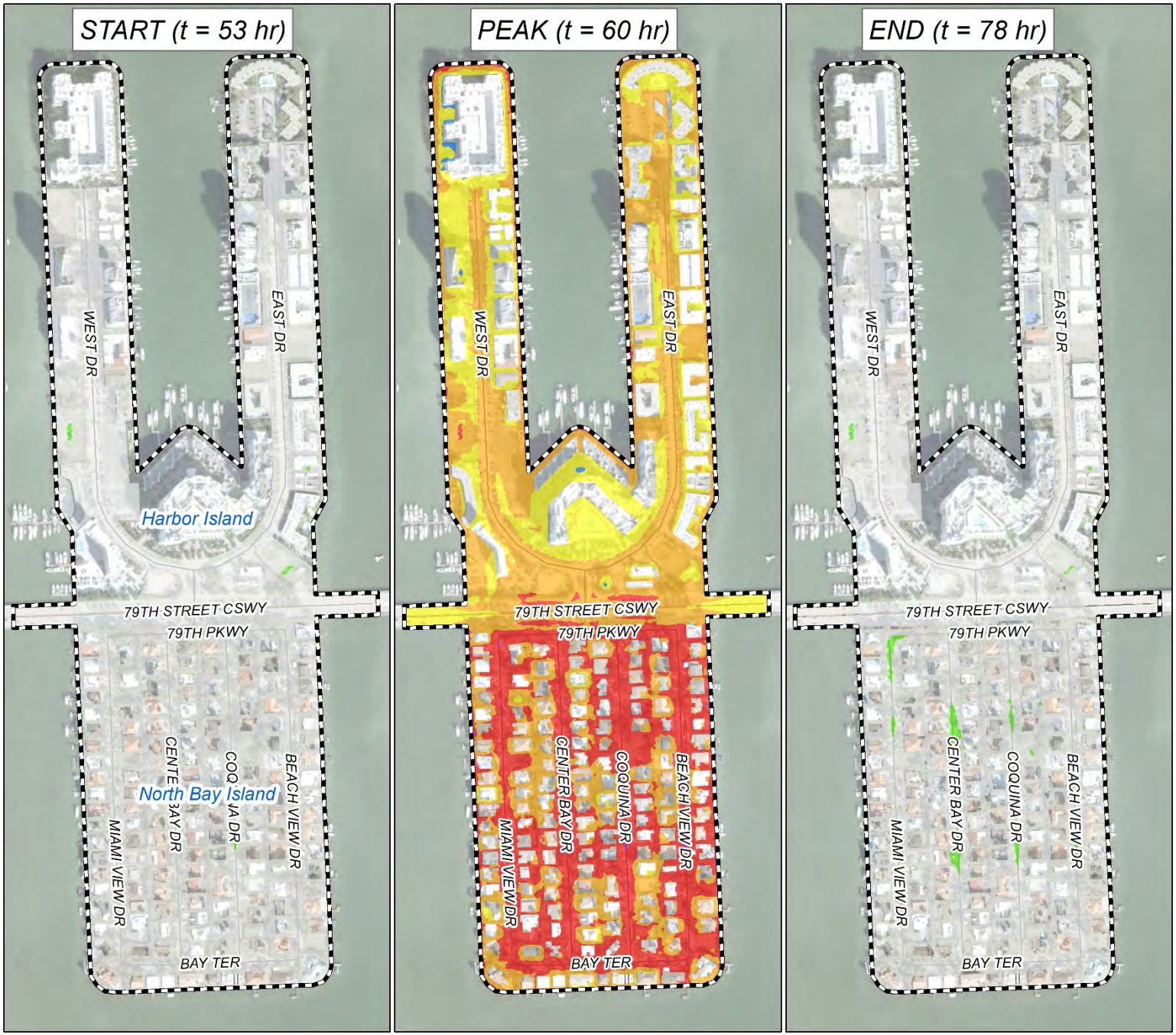
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(500-YEAR 72-HOUR DESIGN STORM)

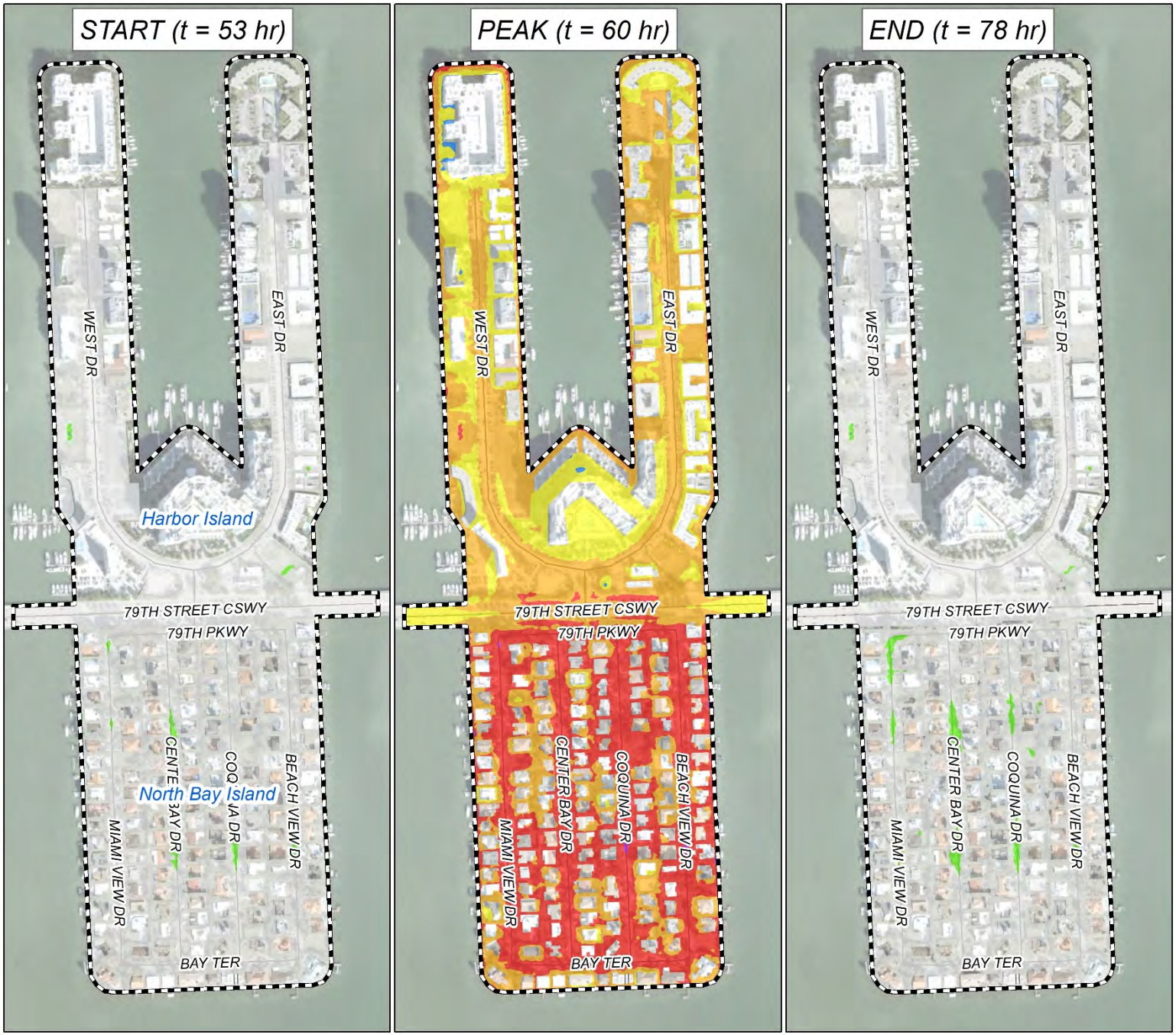
N
W
E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(1000-YEAR 72-HOUR DESIGN STORM)

N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

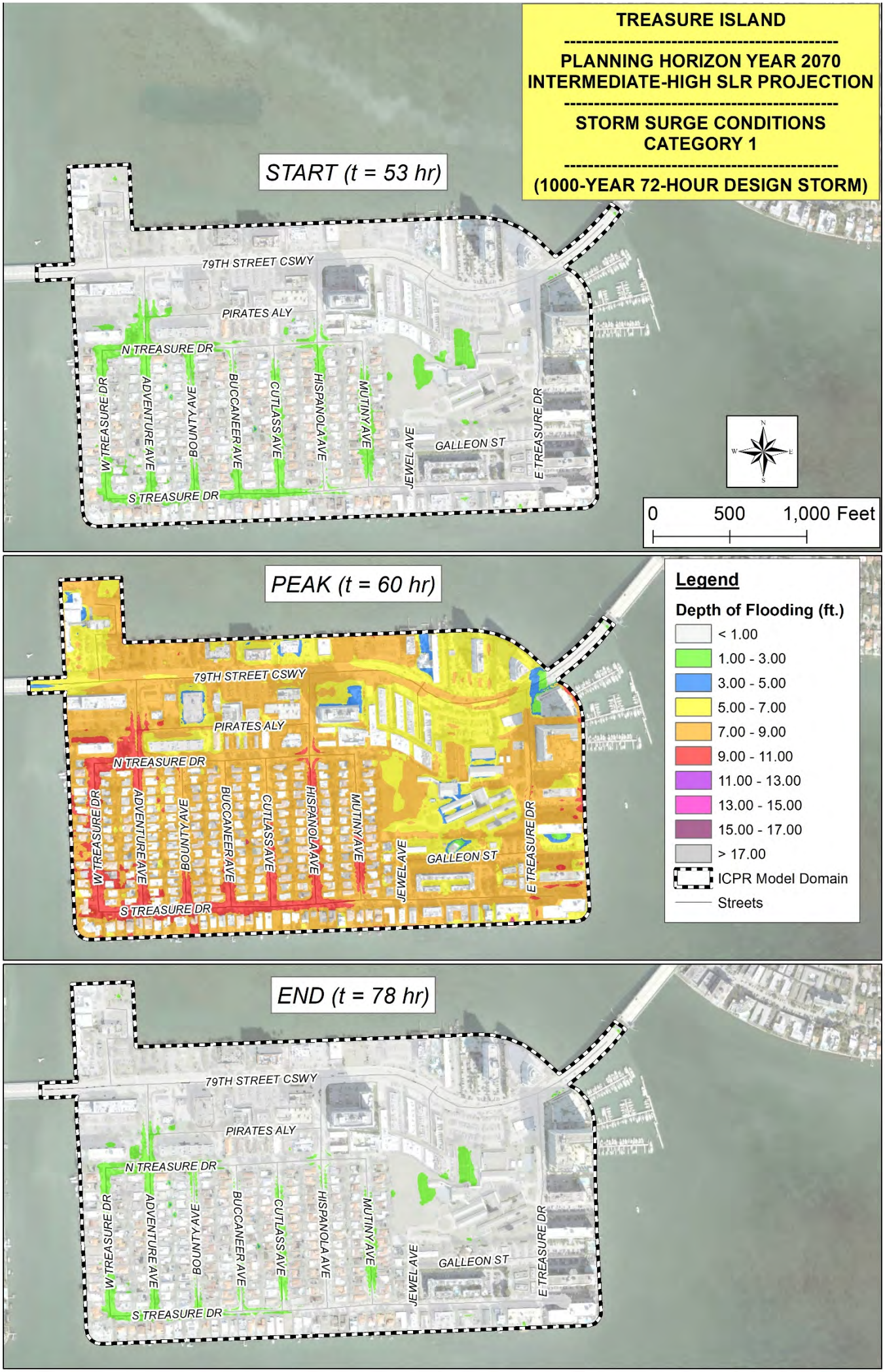
- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

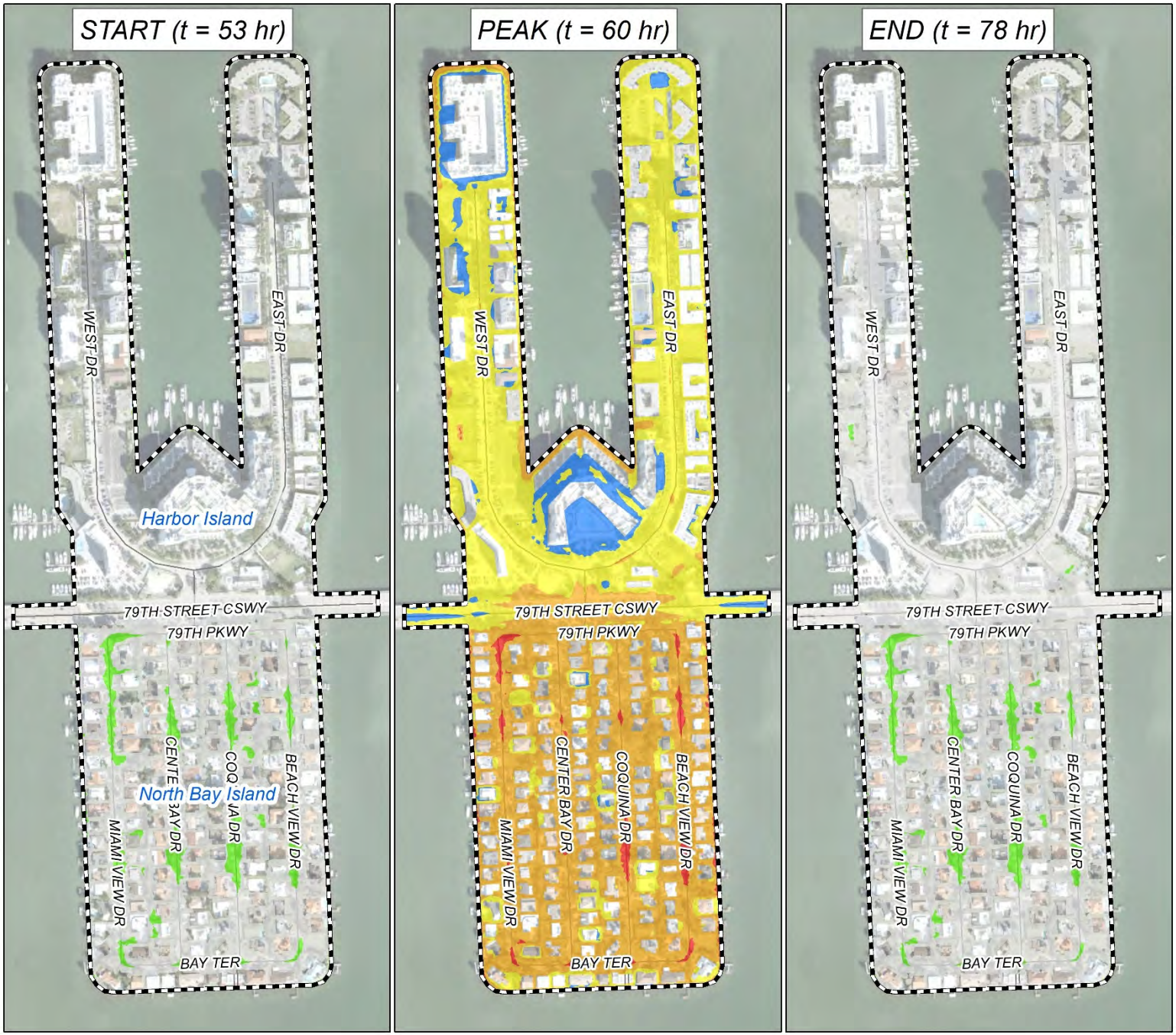
Appendix X – Depth of Category 1 Storm Surge Flood Maps in 2070 Intermediate-High SLR Scenario


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(NO RAINFALL)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 1
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
S
W
E
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(NO RAINFALL)

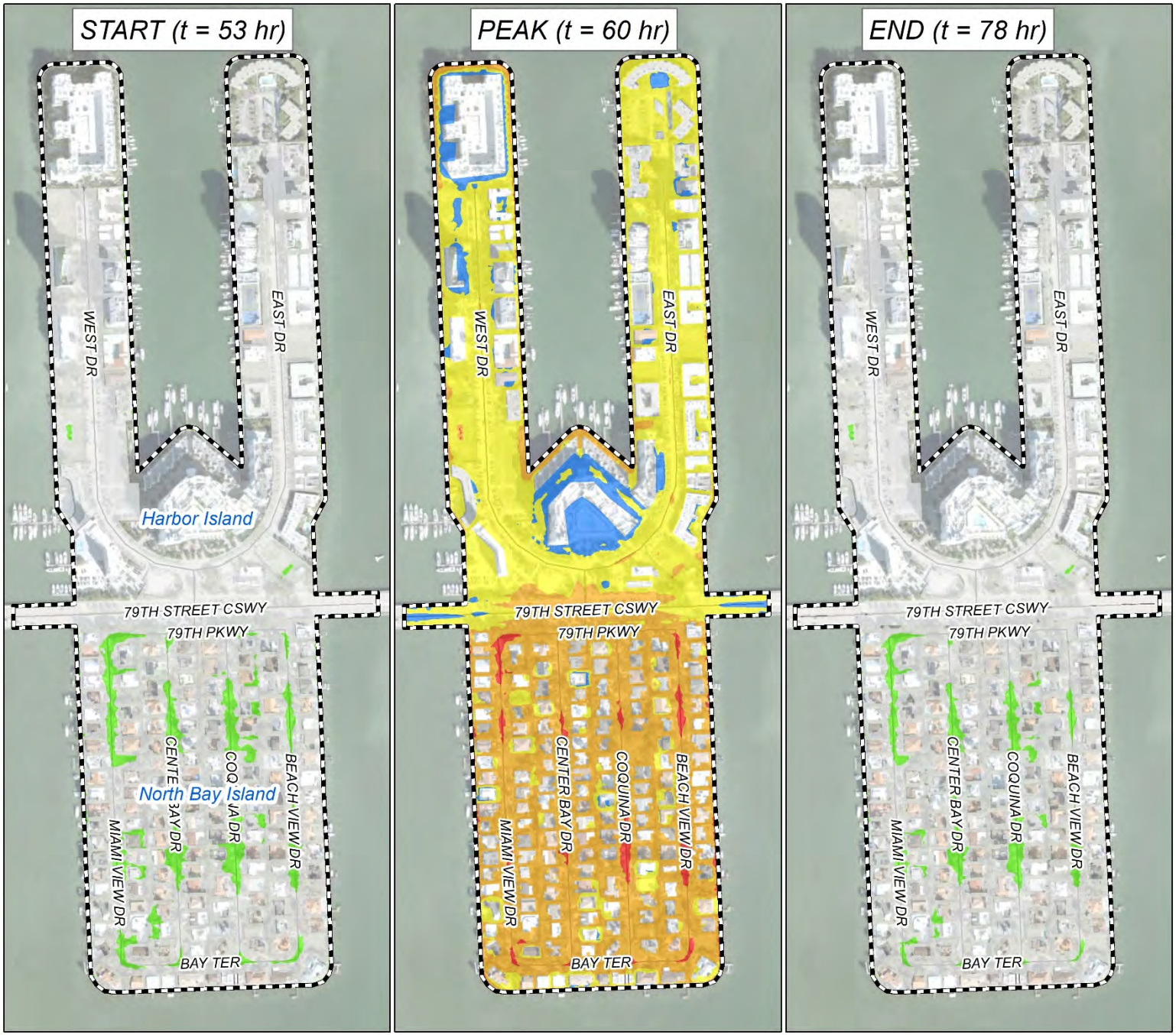
N
W
E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(100-YEAR 72-HOUR DESIGN STORM)

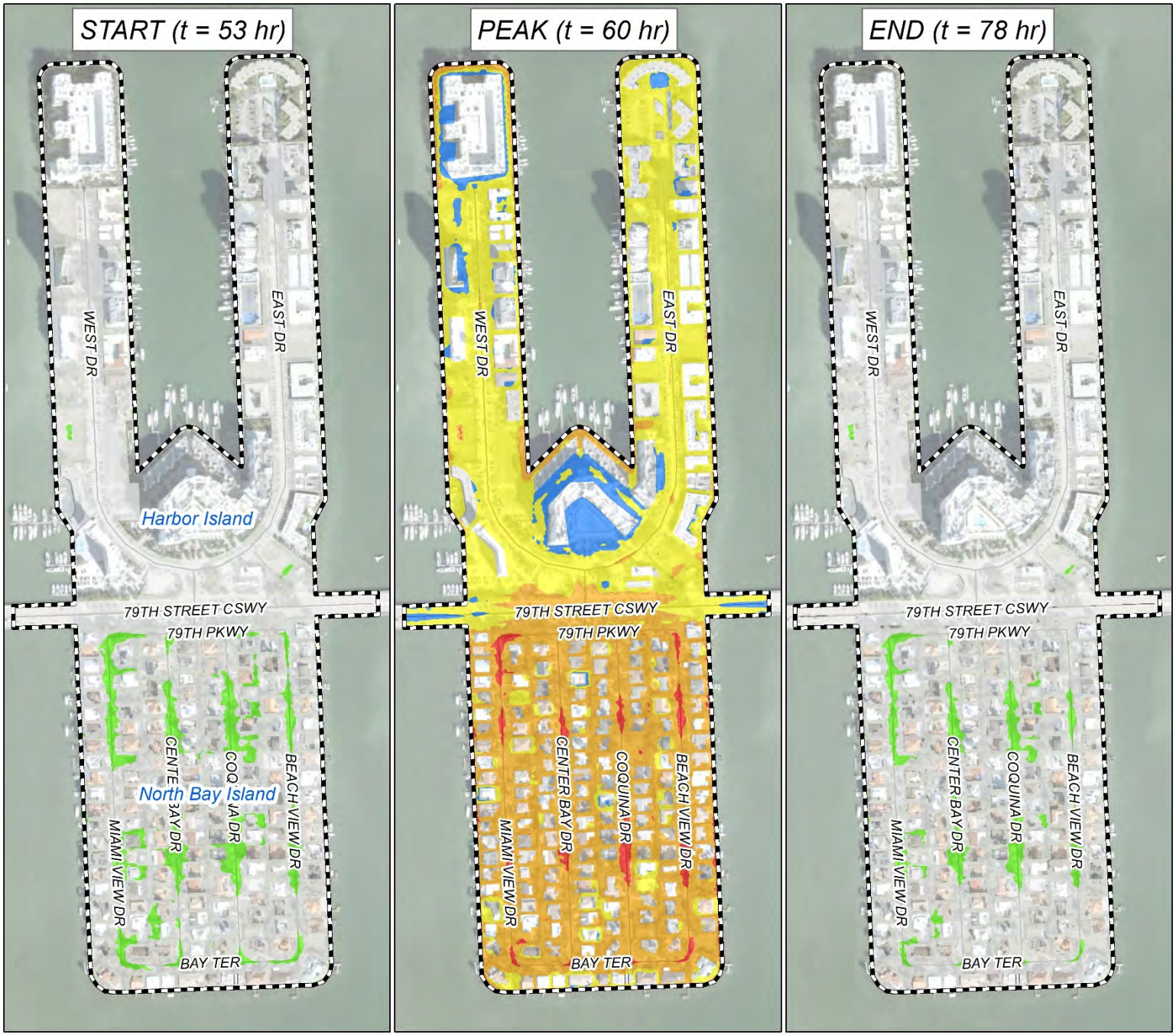
N
W
E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(500-YEAR 72-HOUR DESIGN STORM)

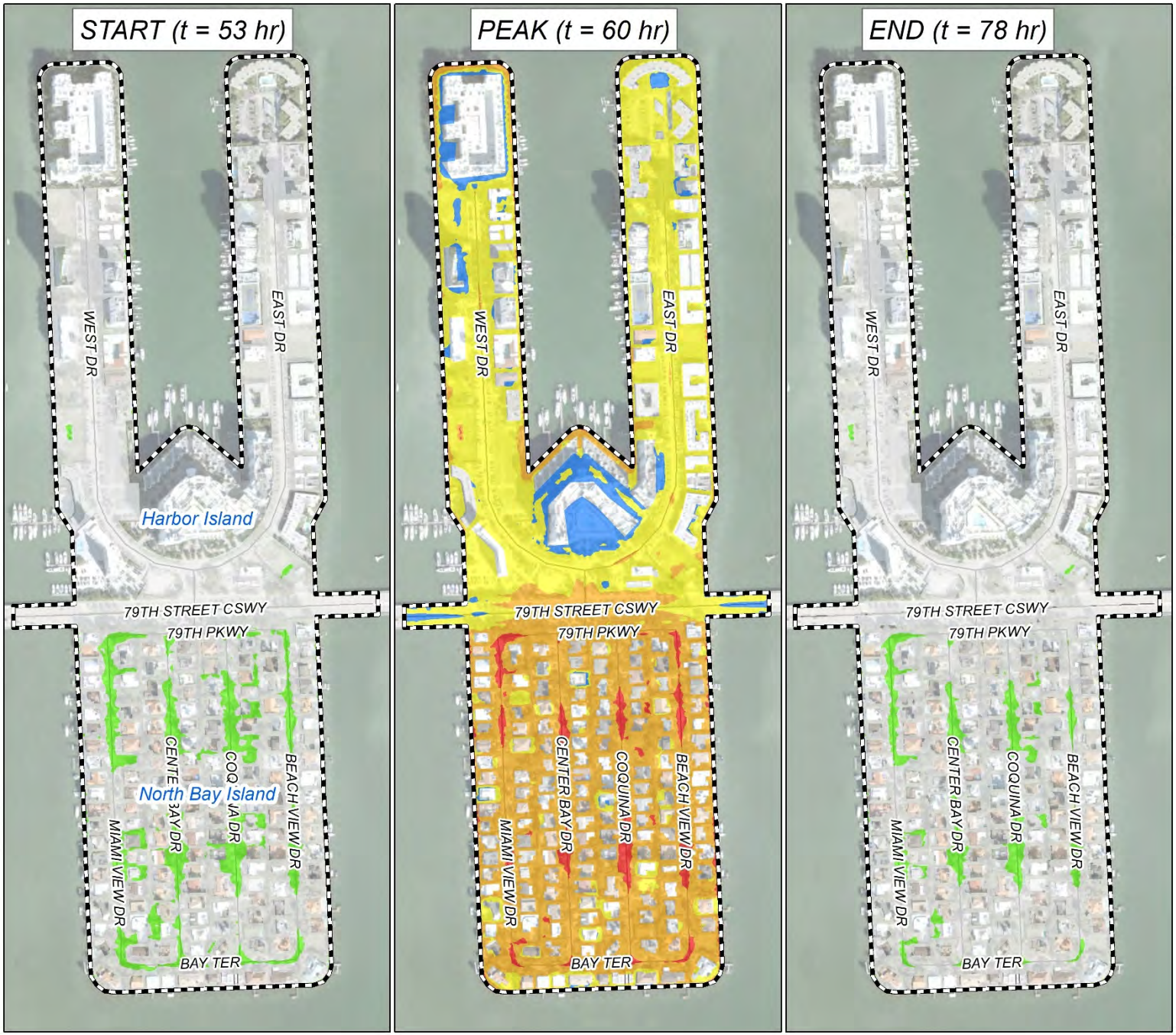
N
W
E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 1

(1000-YEAR 72-HOUR DESIGN STORM)

N
W
E
S

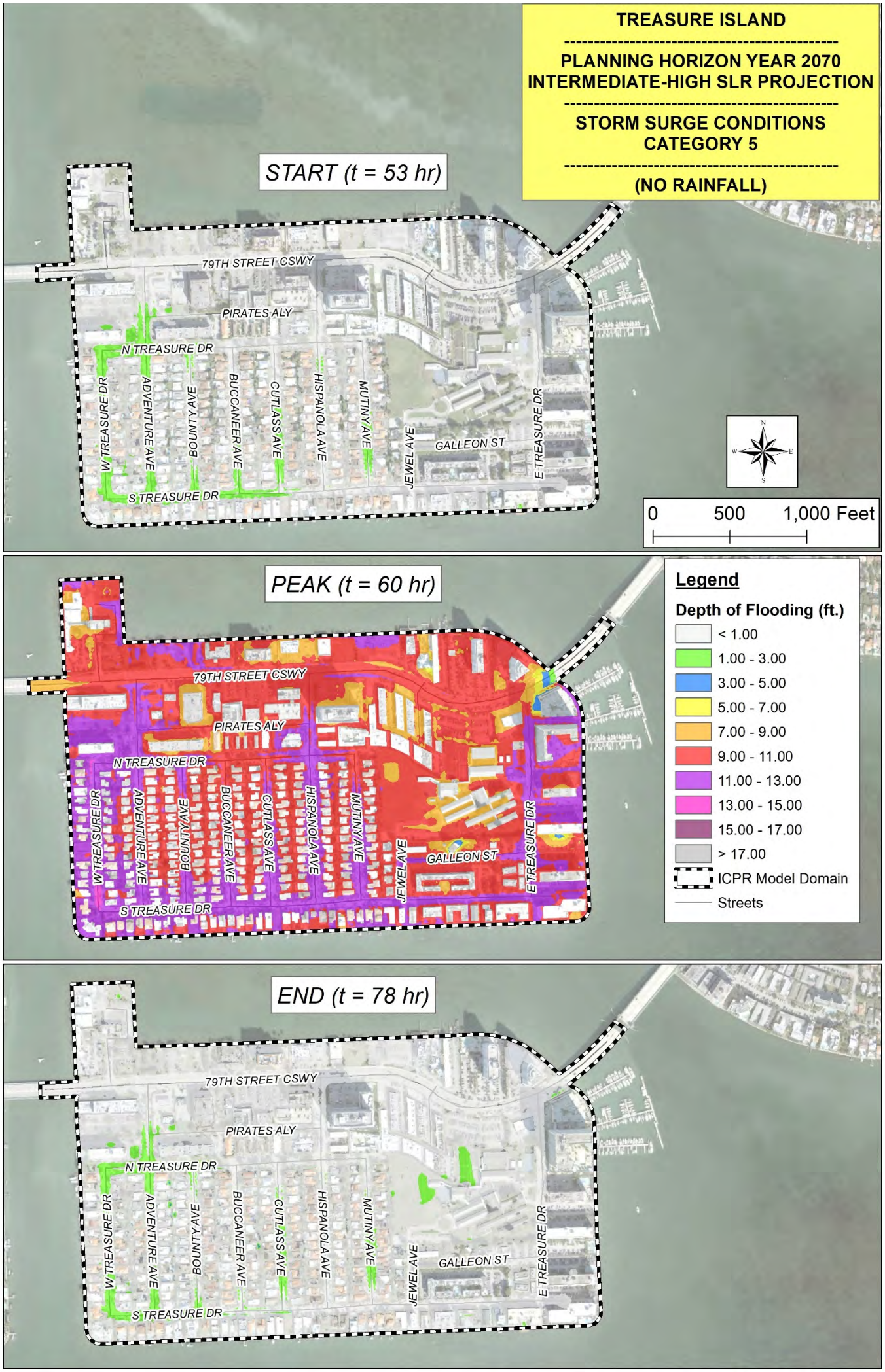
0 500 1,000 Feet

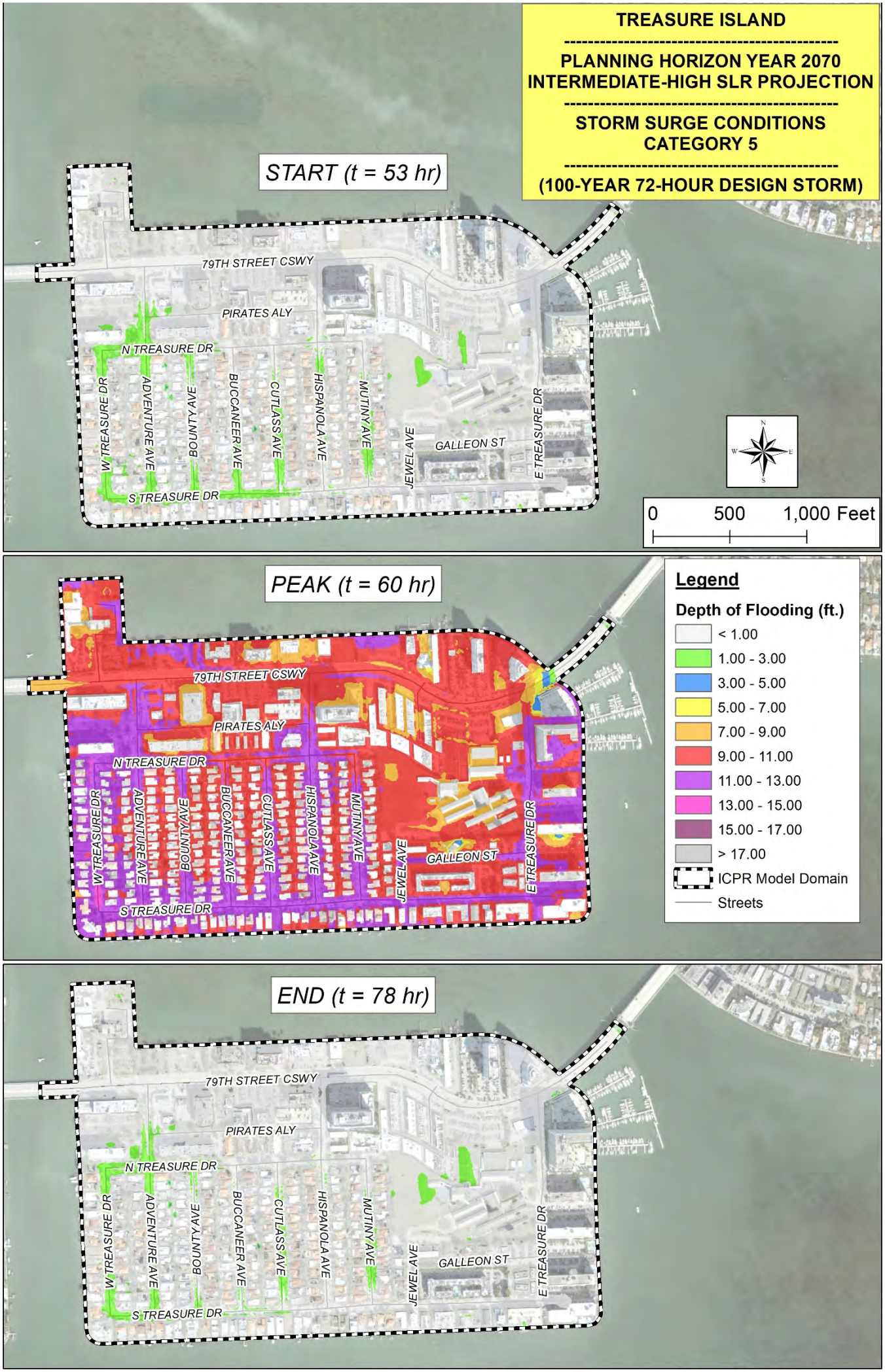
Legend

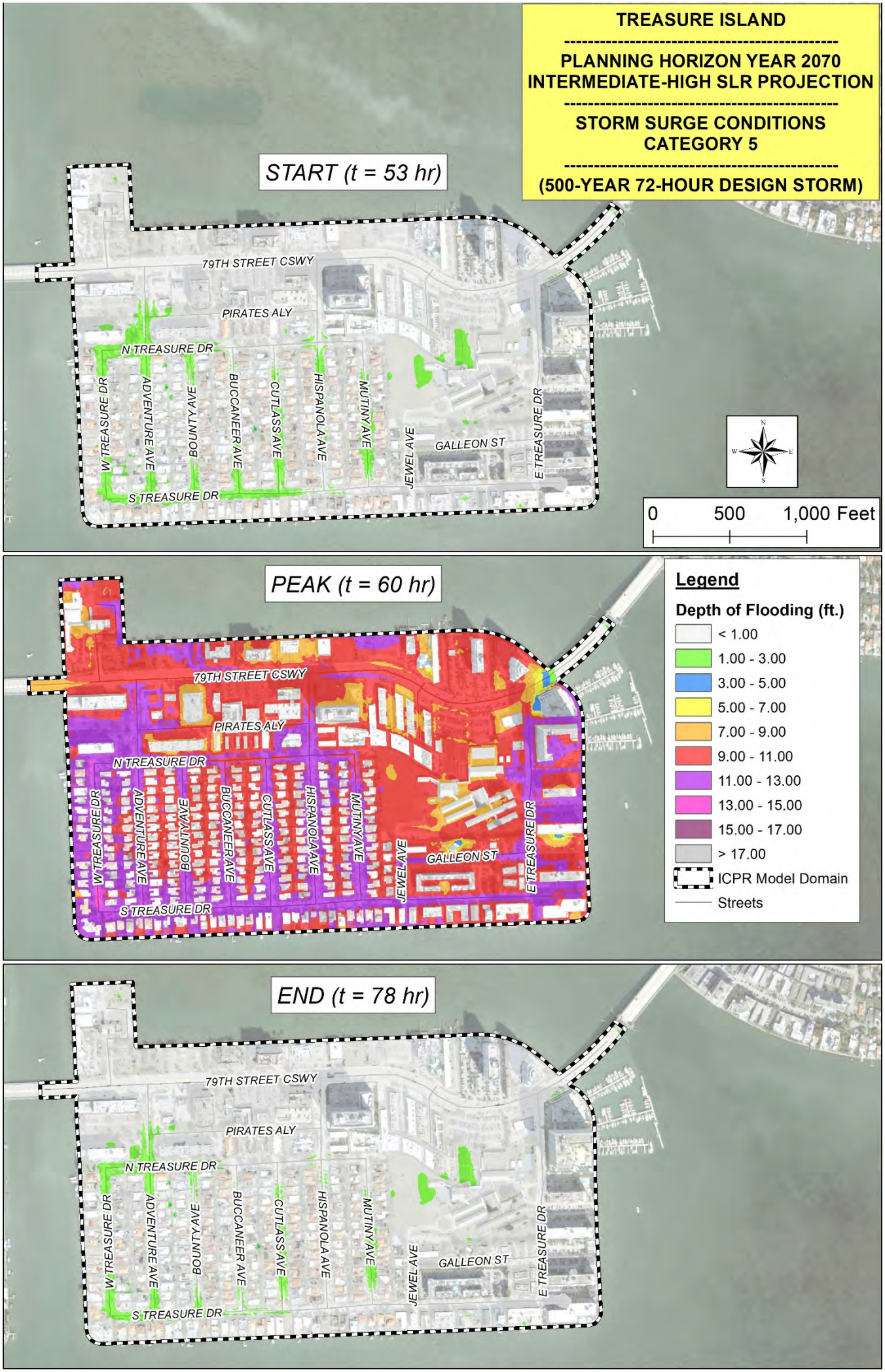
Depth of Flooding (ft.)

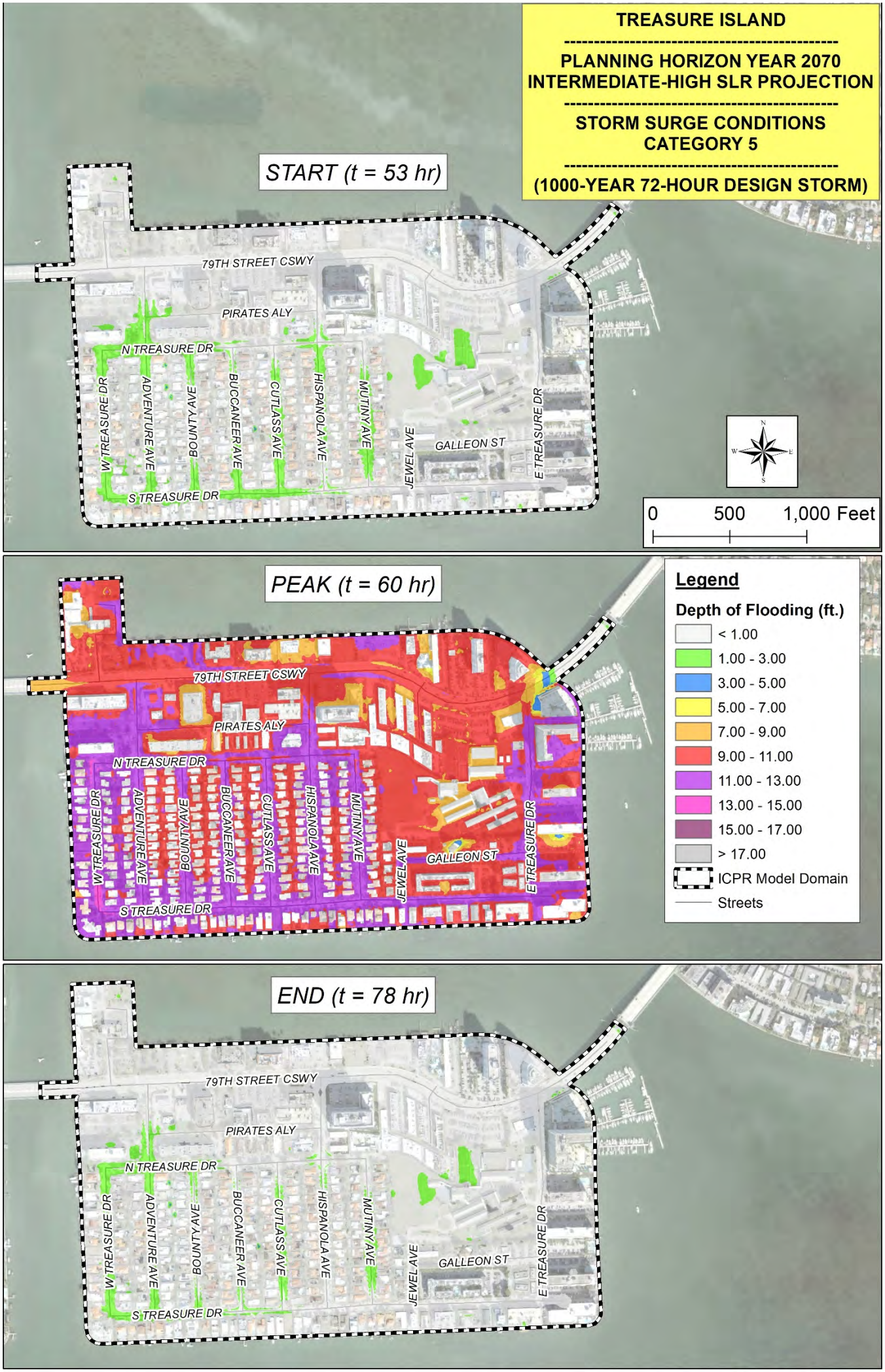
- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

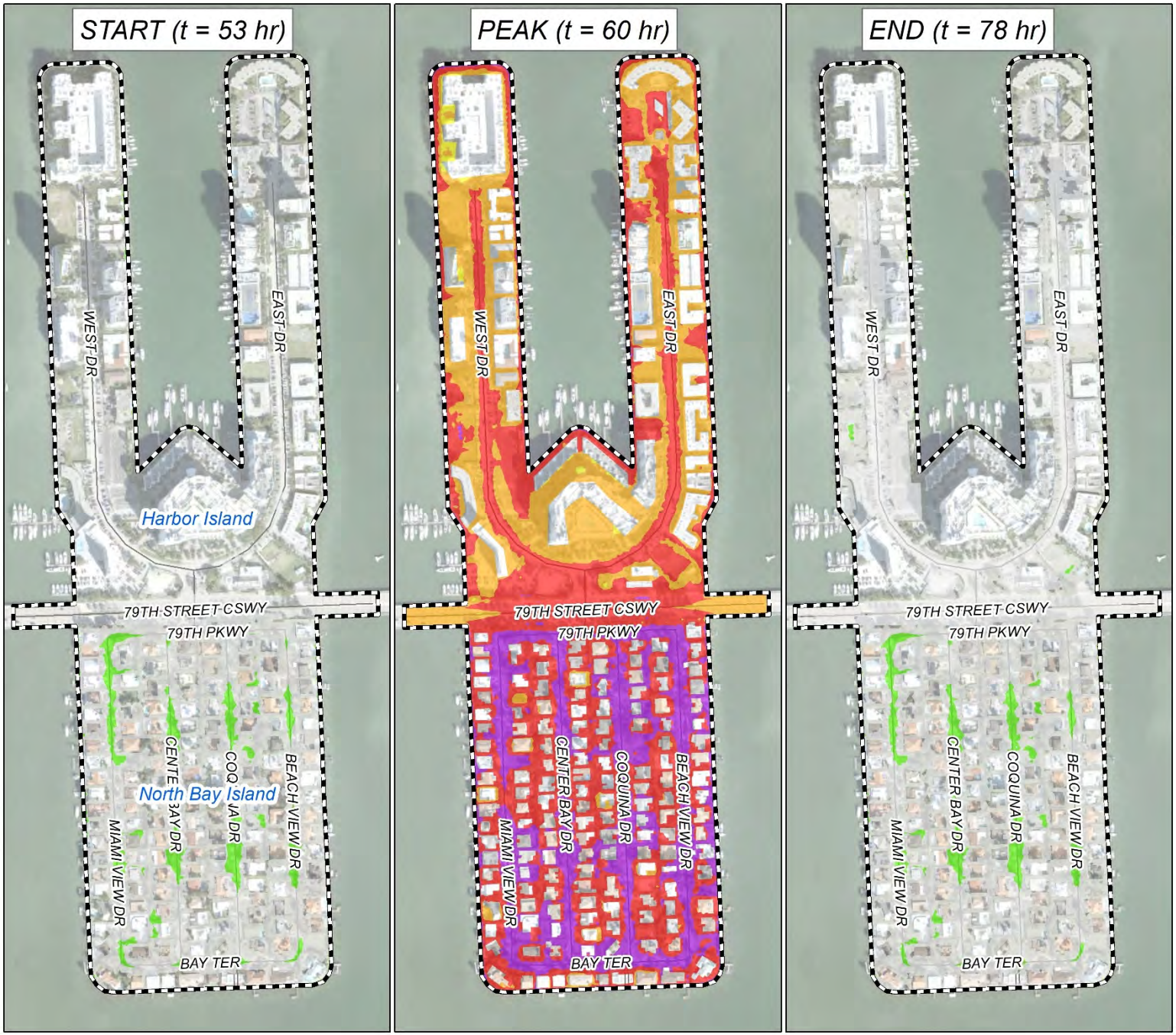
Appendix Y – Depth of Category 5 Storm Surge Flood Maps in 2070 Intermediate-High SLR Scenario


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(NO RAINFALL)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(100-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(500-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
E TREASURE DR
S TREASURE DR
N
W
E
S
0
500
1,000 Feet
PEAK (t = 60 hr)
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets
END (t = 78 hr)


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CONDITIONS
CATEGORY 5
(1000-YEAR 72-HOUR DESIGN STORM)
START (t = 53 hr)
PEAK (t = 60 hr)
END (t = 78 hr)
79TH STREET CSWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
E TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
N
W
E
S
0
500
1,000 Feet
Legend
Depth of Flooding (ft.)
< 1.00
1.00 - 3.00
3.00 - 5.00
5.00 - 7.00
7.00 - 9.00
9.00 - 11.00
11.00 - 13.00
13.00 - 15.00
15.00 - 17.00
> 17.00
ICPR Model Domain
Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(NO RAINFALL)

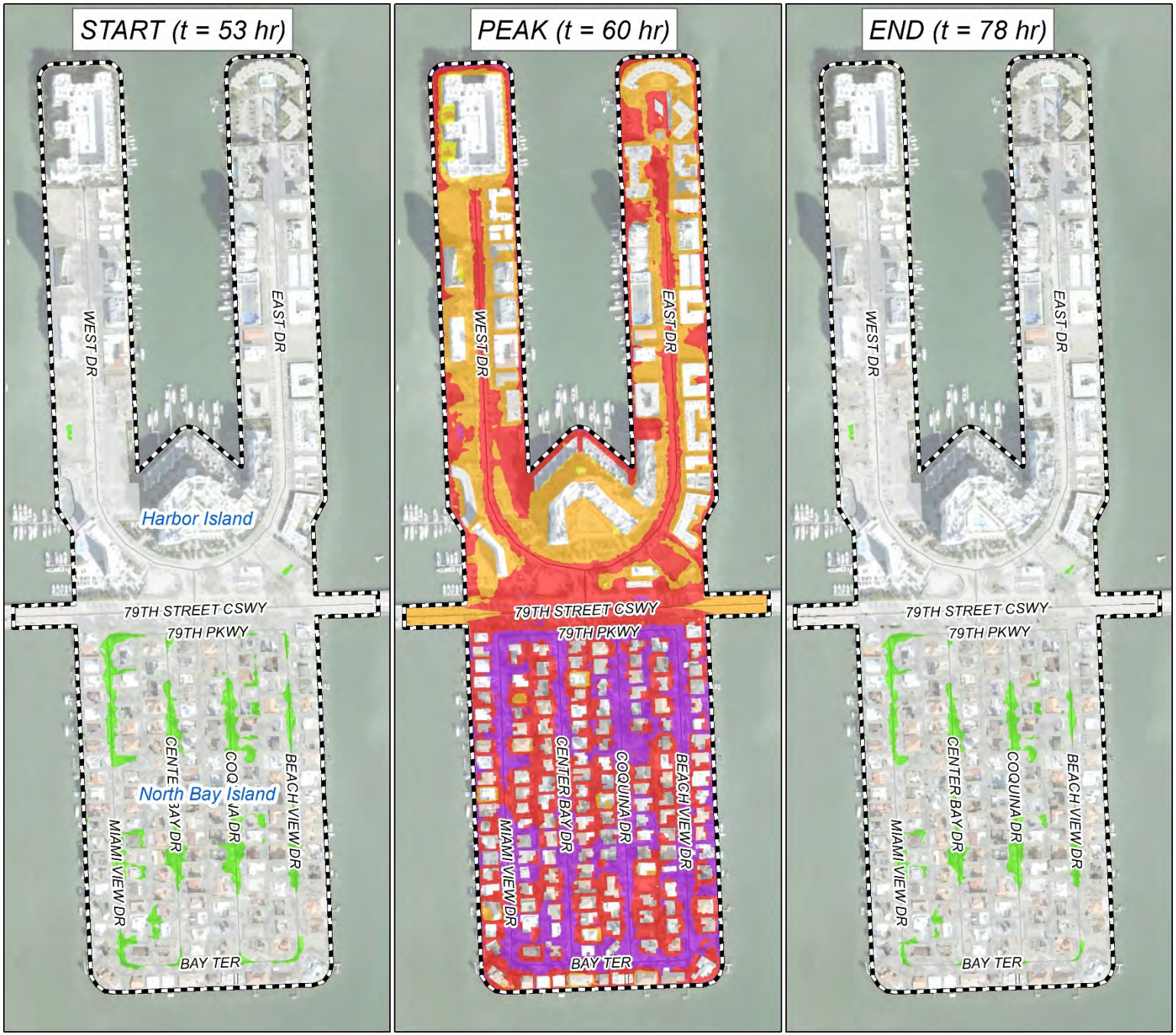
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(100-YEAR 72-HOUR DESIGN STORM)

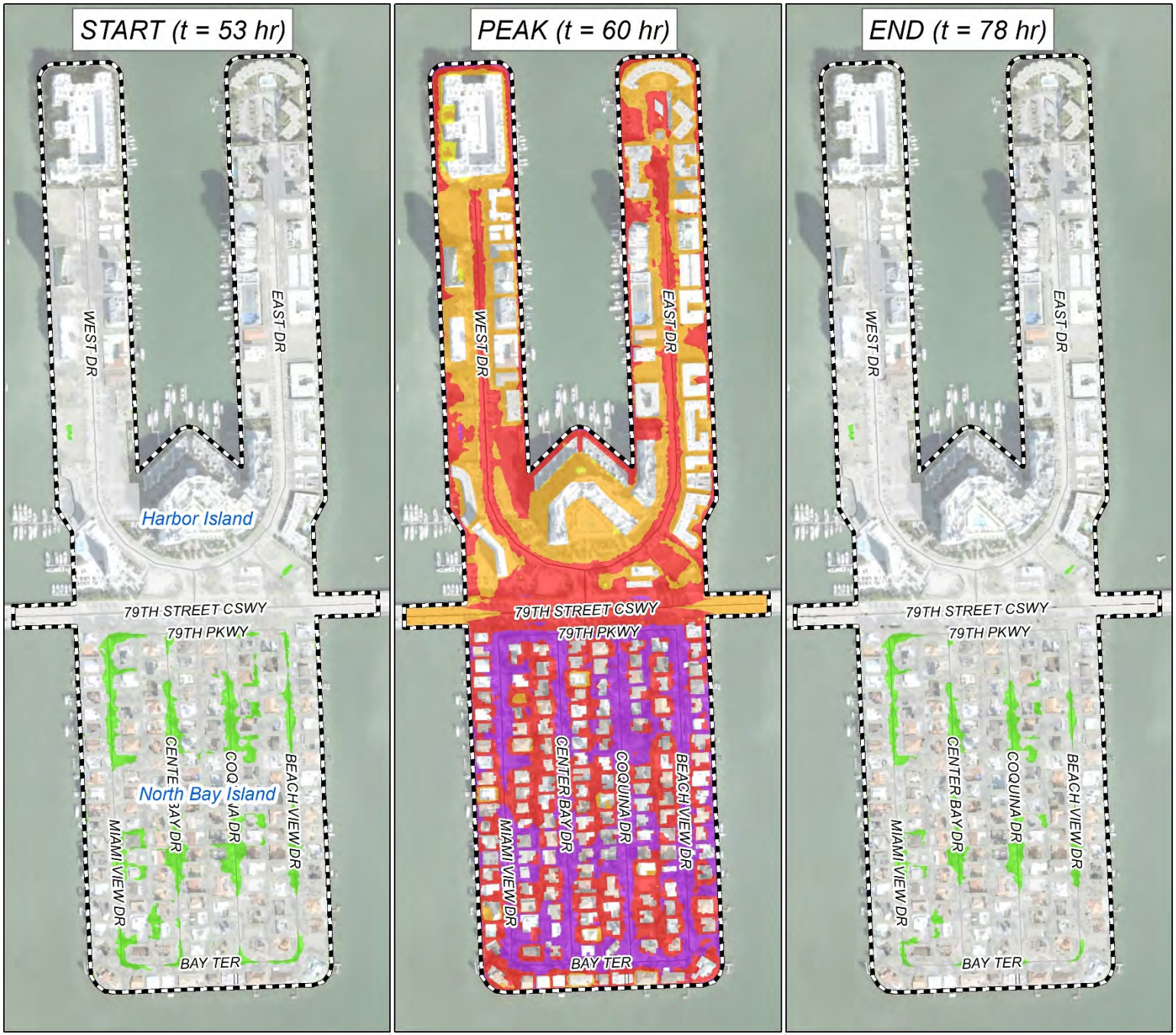
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(500-YEAR 72-HOUR DESIGN STORM)

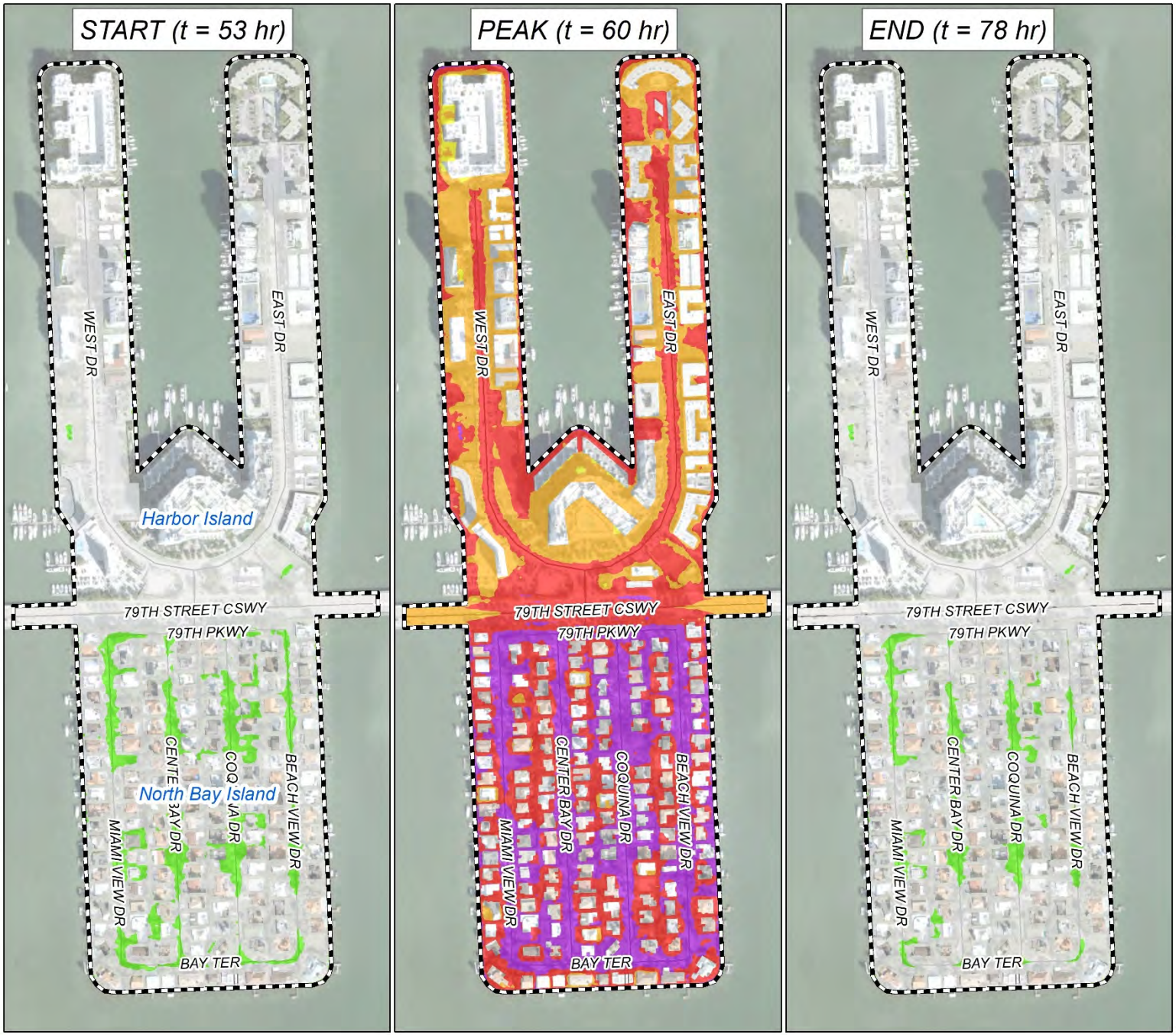
N
W E
S

0 500 1,000 Feet

Legend

Depth of Flooding (ft.)

- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets



HARBOR & NORTH BAY ISLANDS

PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION

STORM SURGE CONDITIONS
CATEGORY 5

(1000-YEAR 72-HOUR DESIGN STORM)

N
W E
S

0 500 1,000 Feet

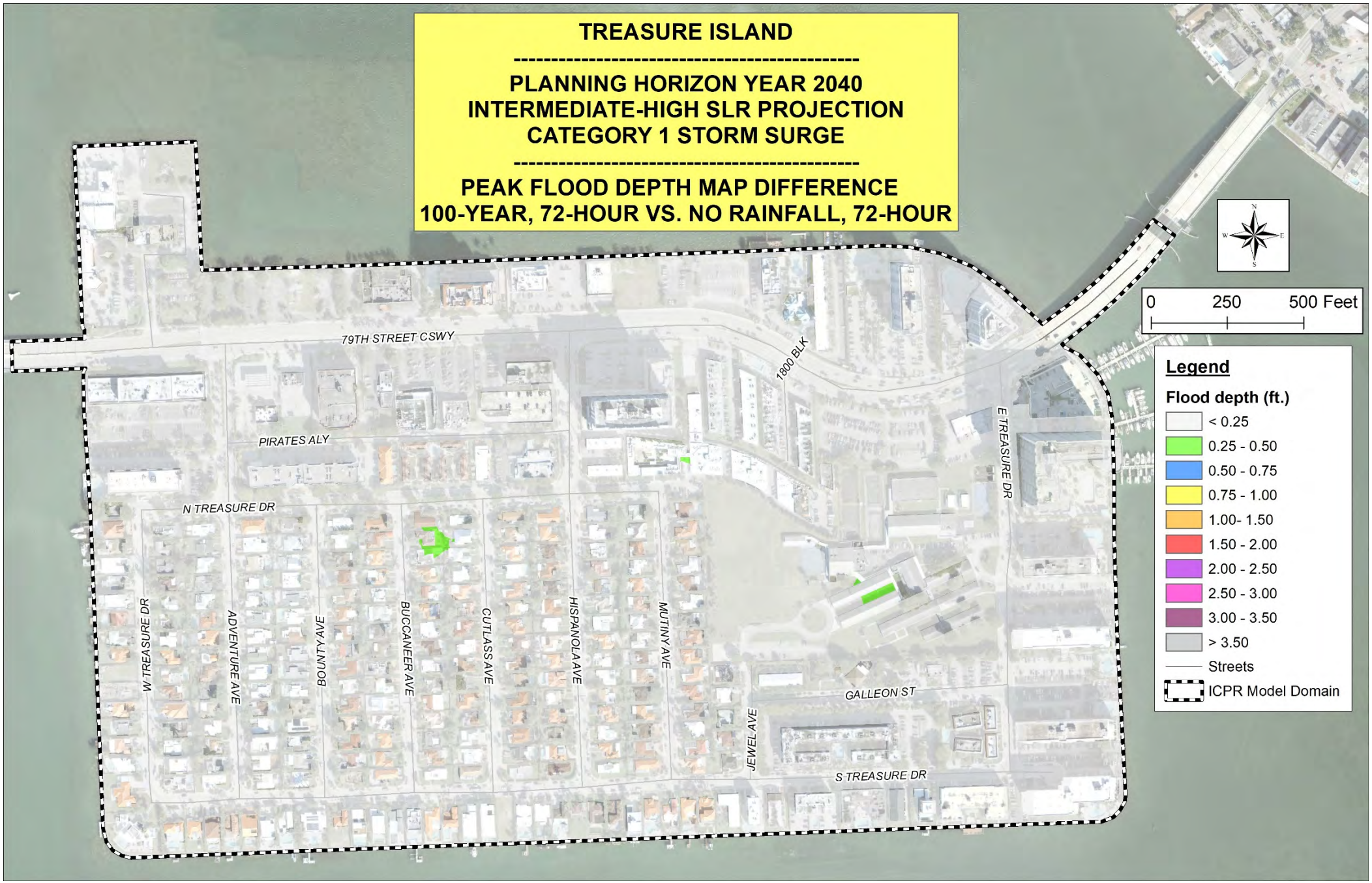
Legend

Depth of Flooding (ft.)

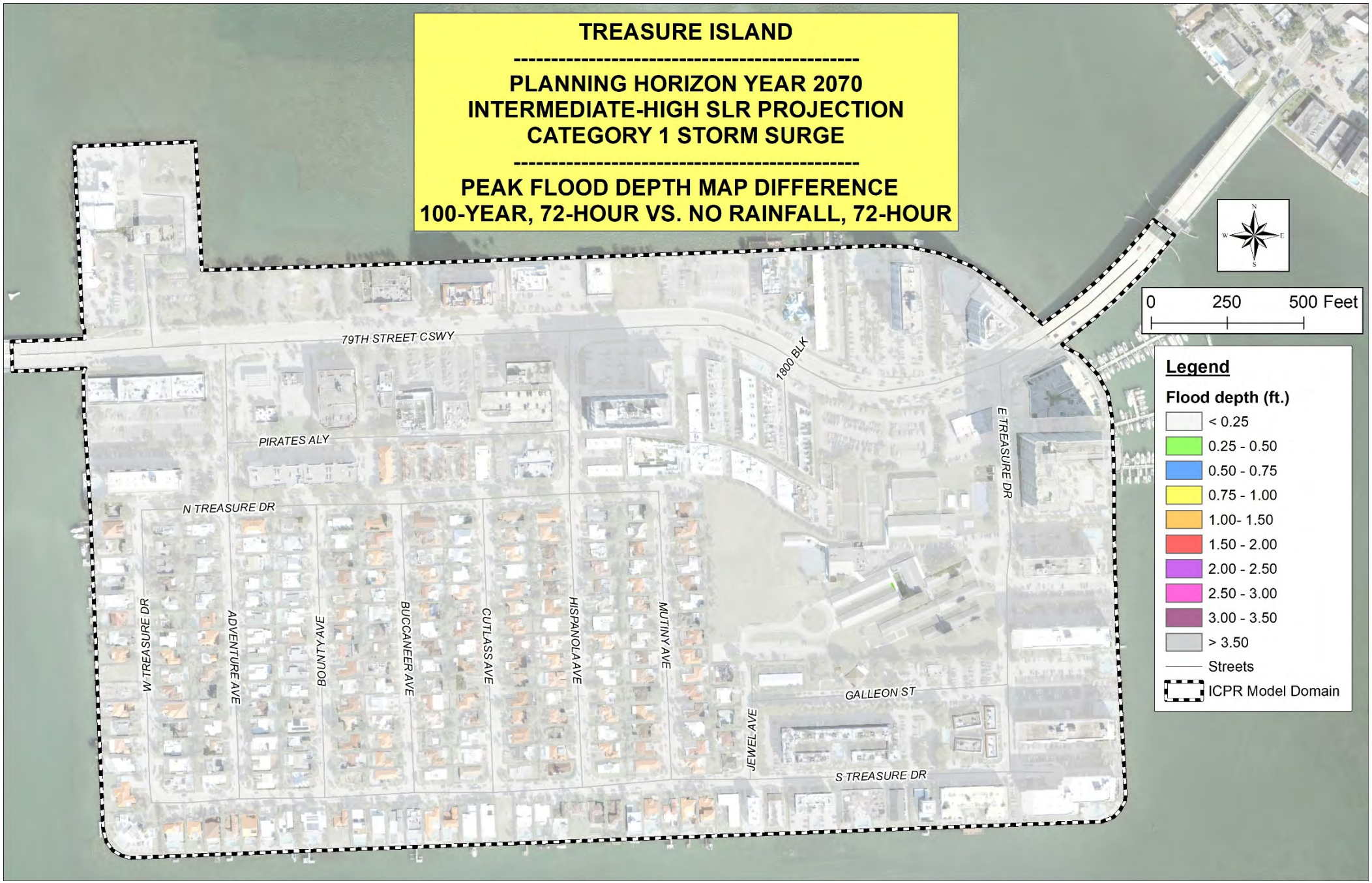
- < 1.00
- 1.00 - 3.00
- 3.00 - 5.00
- 5.00 - 7.00
- 7.00 - 9.00
- 9.00 - 11.00
- 11.00 - 13.00
- 13.00 - 15.00
- 15.00 - 17.00
- > 17.00
- ICPR Model Domain
- Streets

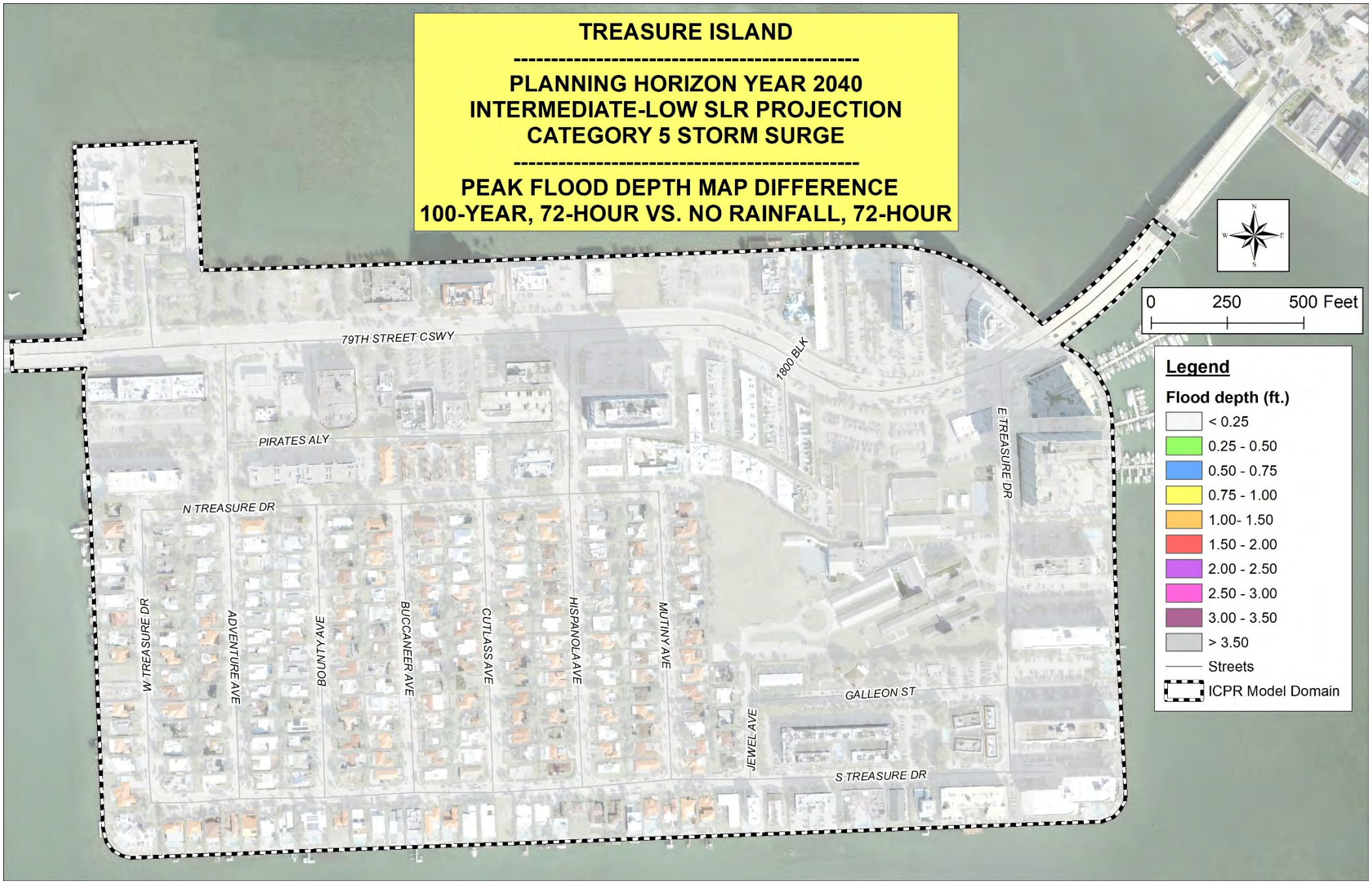
Appendix Z – Analyzing Peak Flood Depth Maps of Storm Surge Scenarios

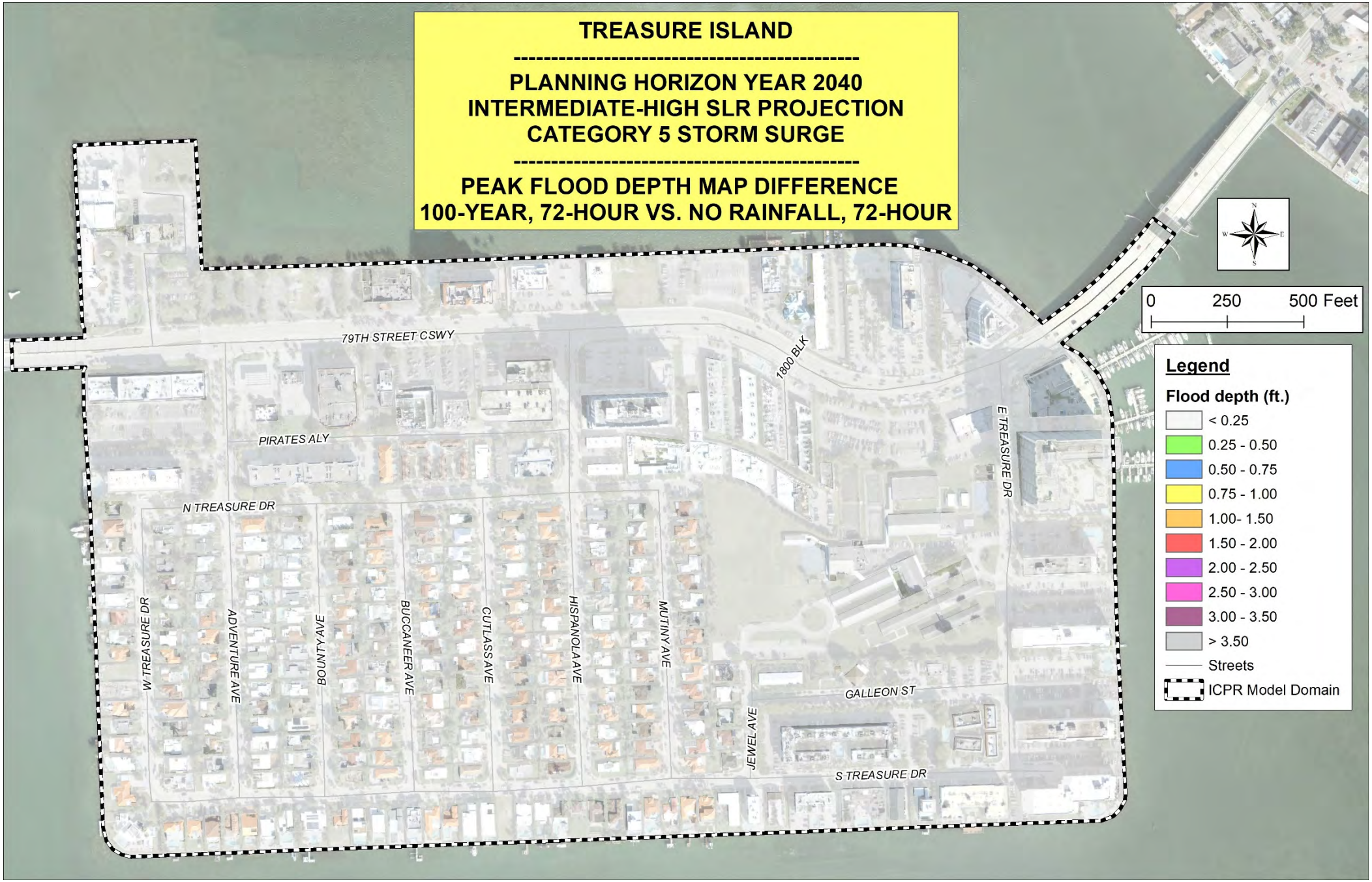

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
CATEGORY 1 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain

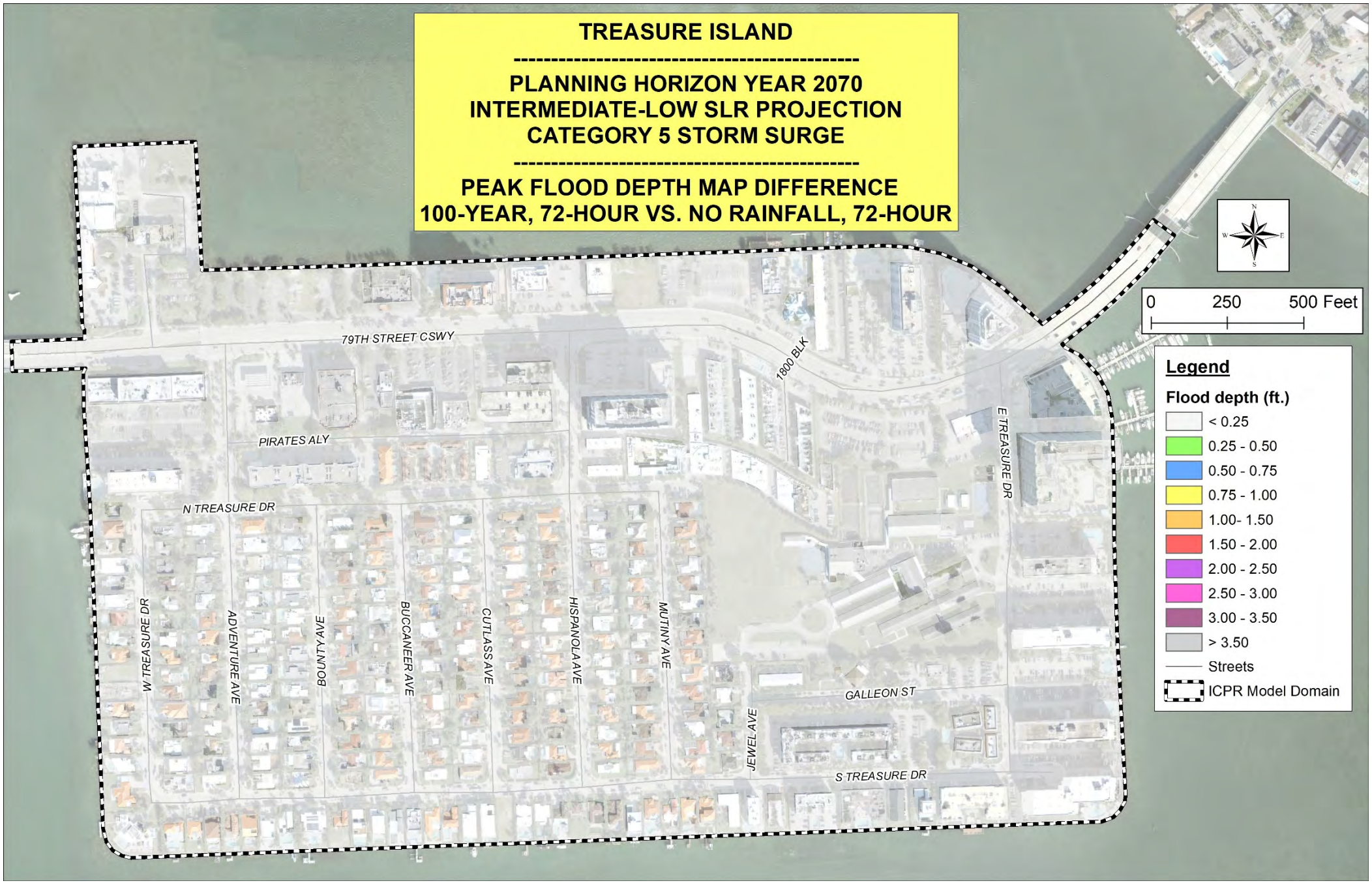

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
CATEGORY 1 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain

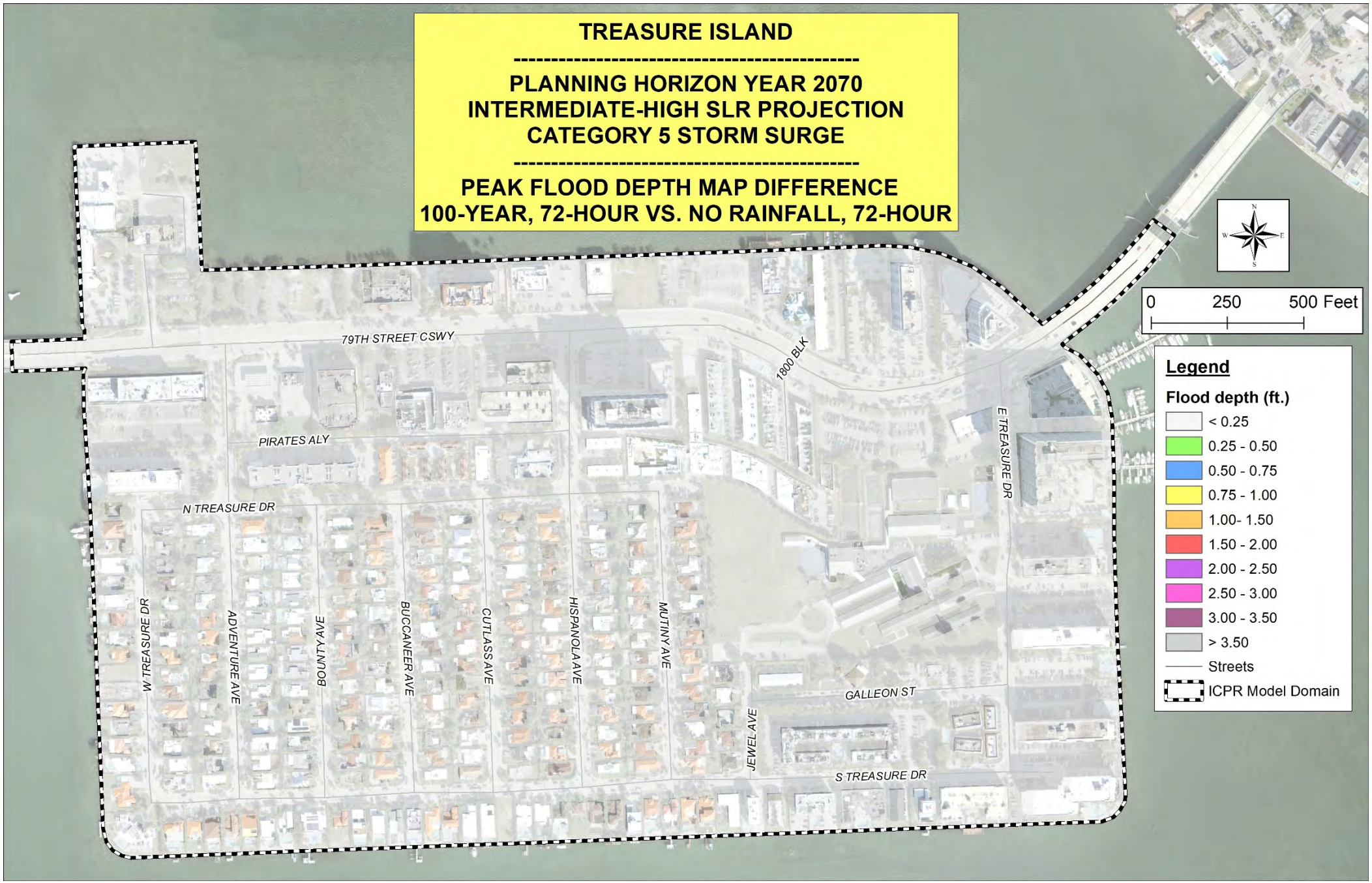

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
CATEGORY 1 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
0 250 500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain

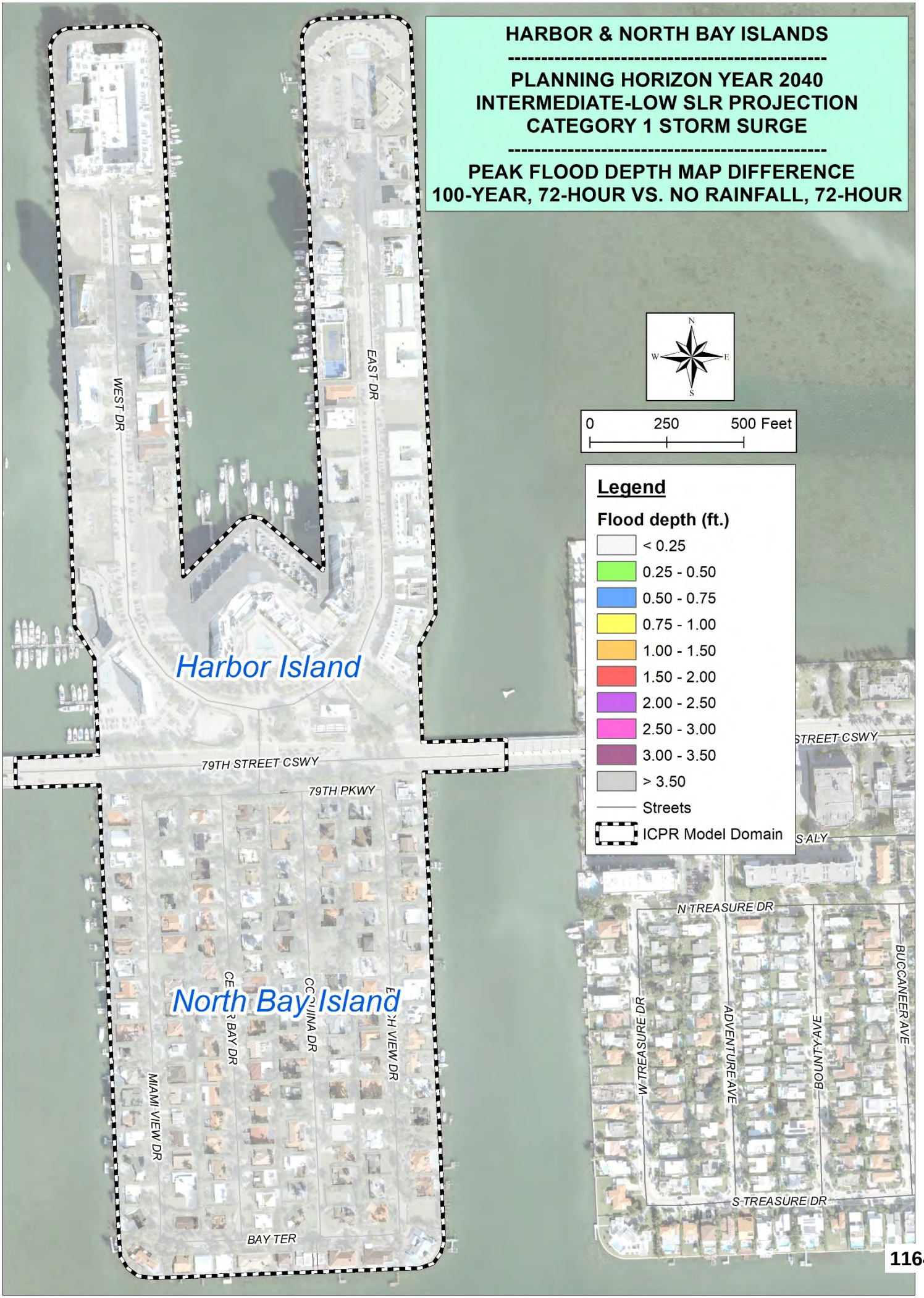

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
CATEGORY 1 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain

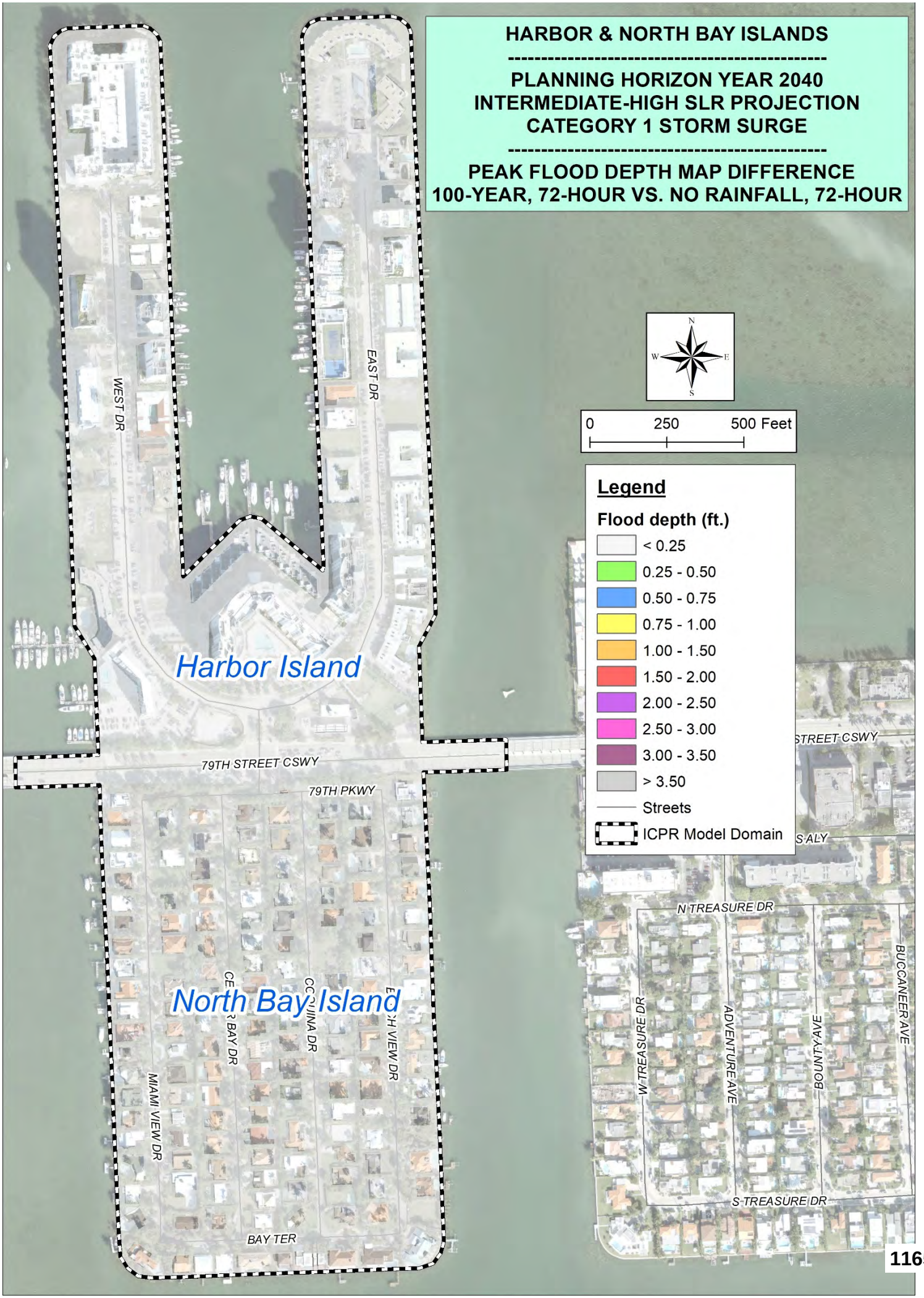

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
CATEGORY 5 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
0 250 500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain

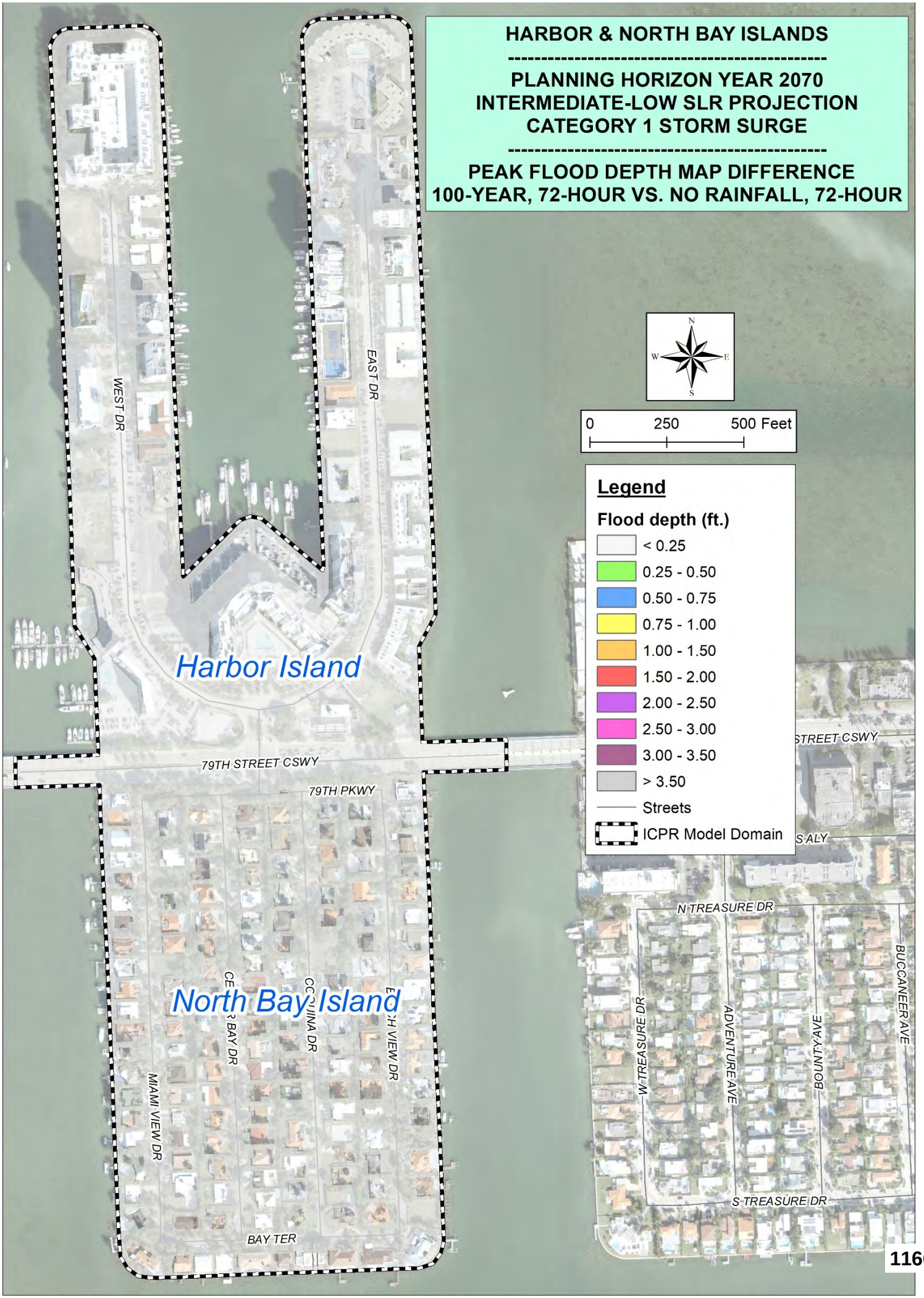

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
CATEGORY 5 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain

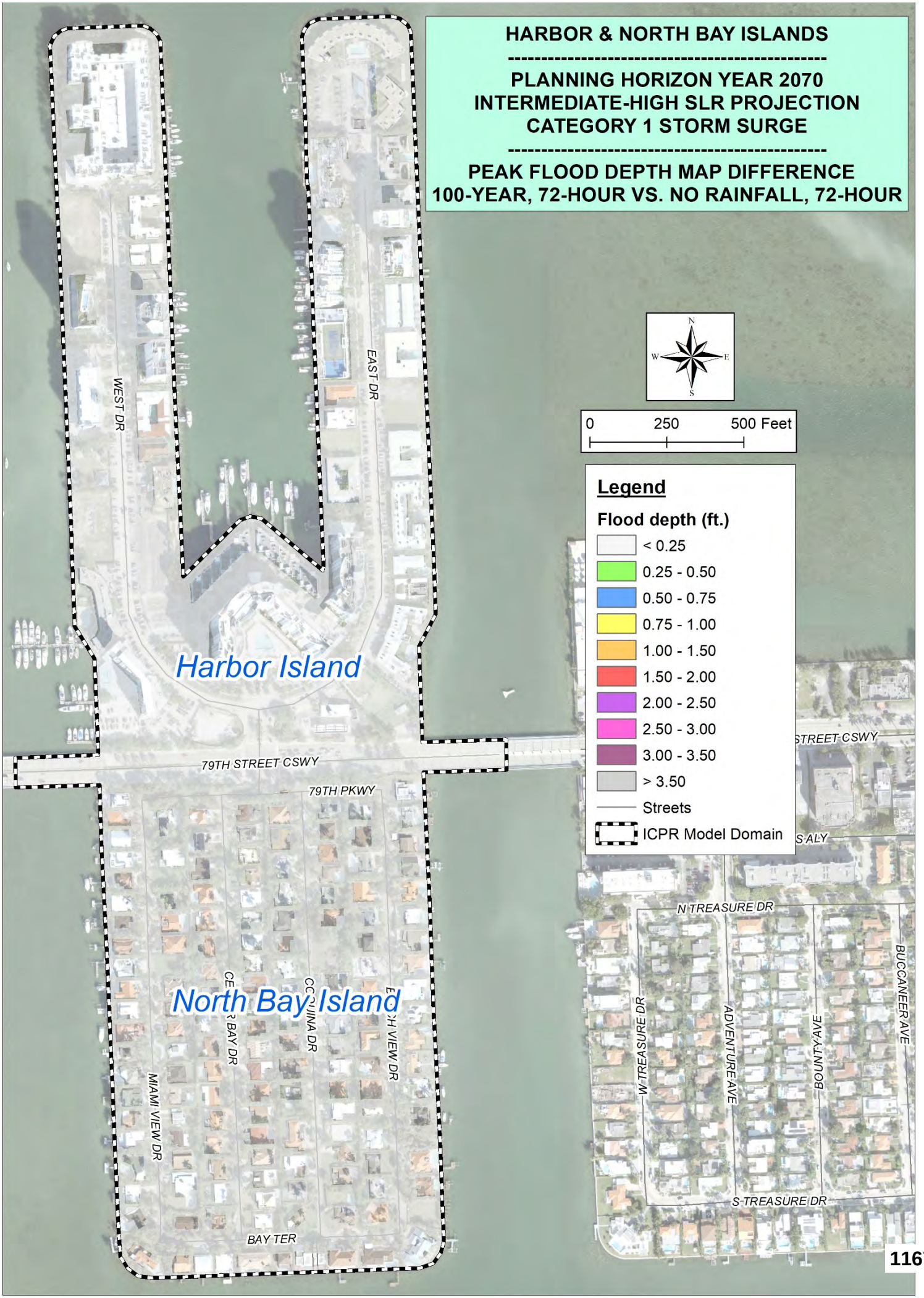

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
CATEGORY 5 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
0 250 500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain

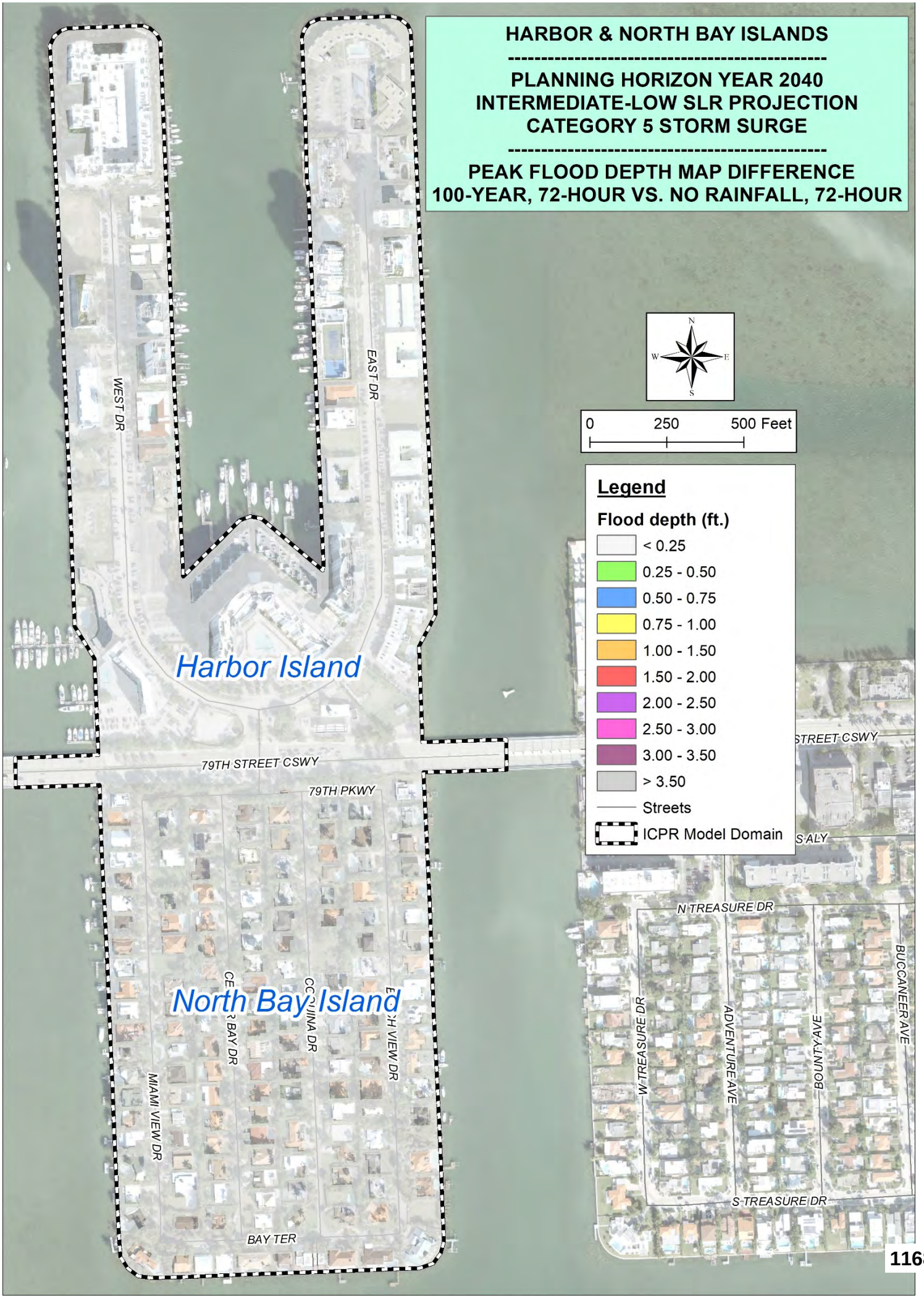

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
CATEGORY 5 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
0 250 500 Feet
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain

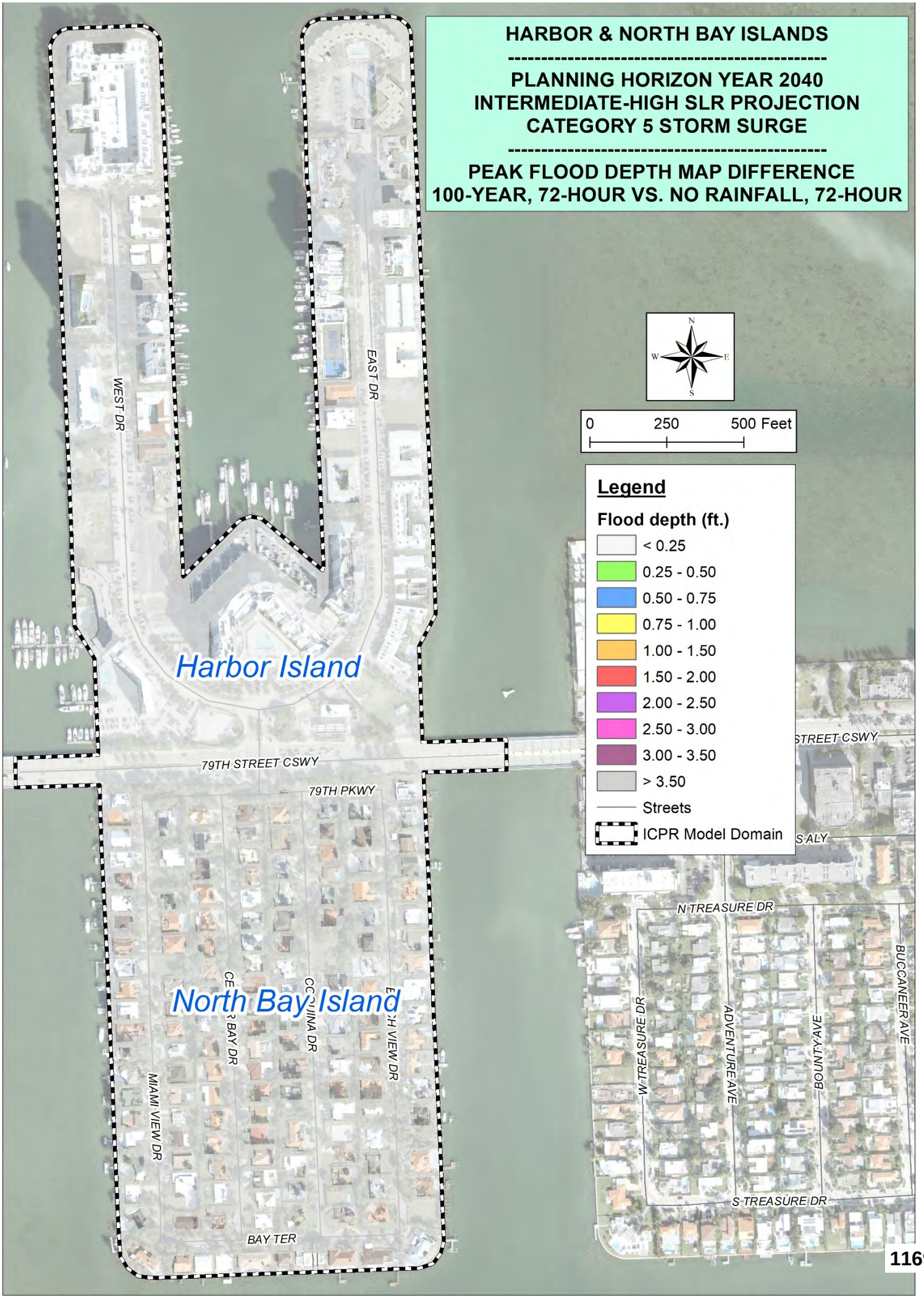

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
CATEGORY 1 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
STREET CSWY
S ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
MIAMI VIEW DR
BAY TER
1164

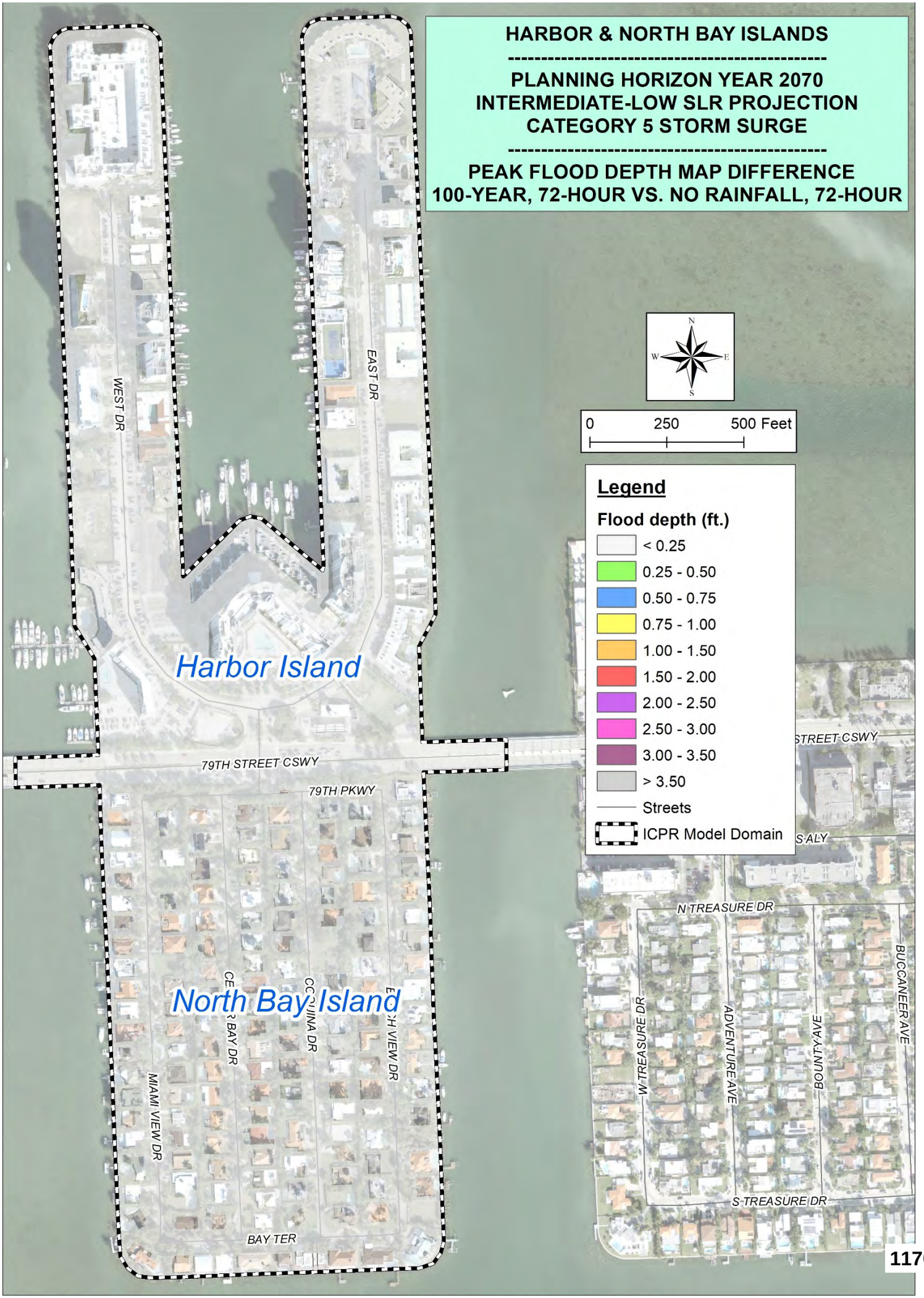

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
CATEGORY 1 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
MIAMI VIEW DR
BAY TER
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
S ALY

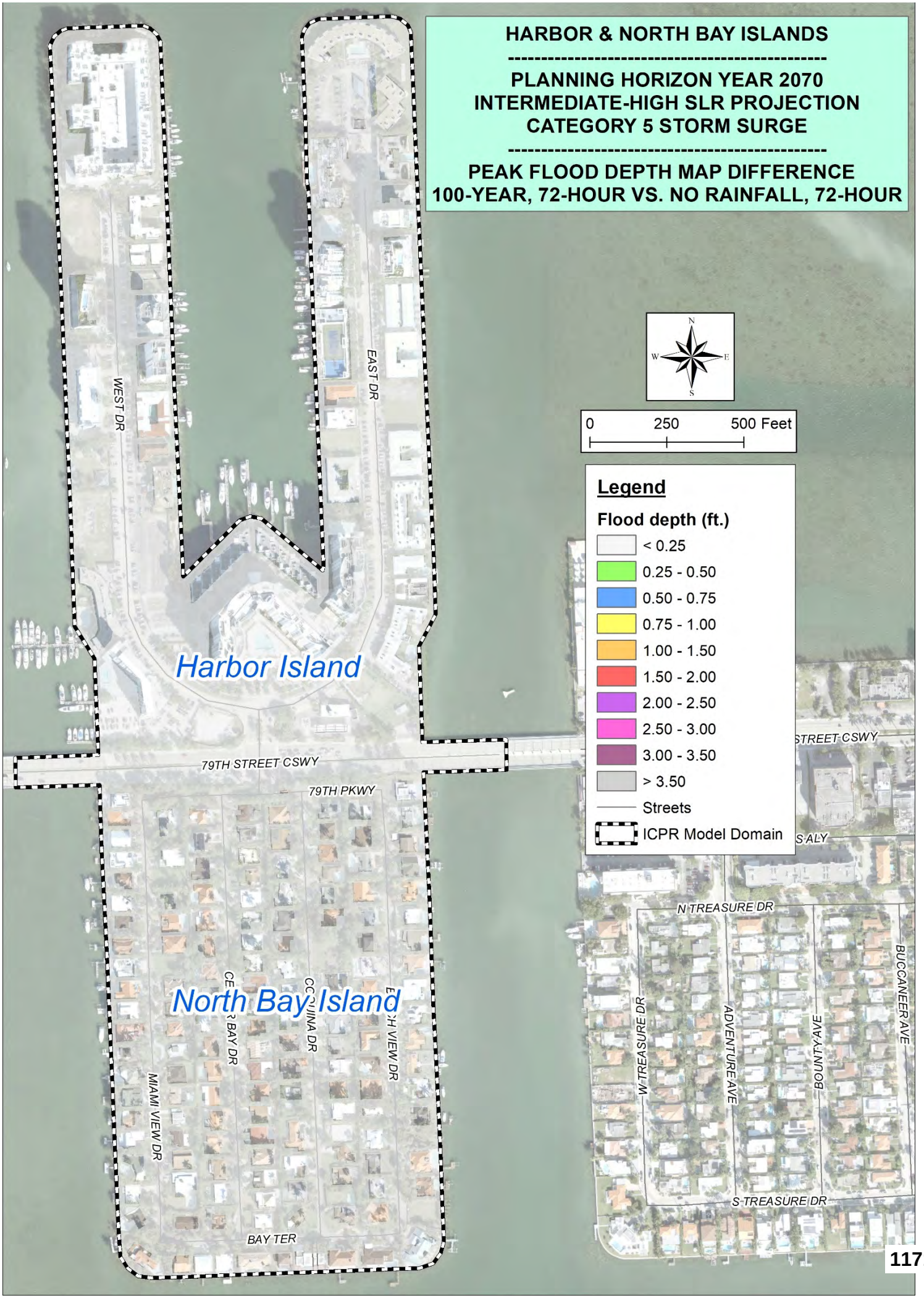

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
CATEGORY 1 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
MIAMI VIEW DR
BAY TER
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
S ALY


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
CATEGORY 1 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
MIAMI VIEW DR
BAY TER
1167

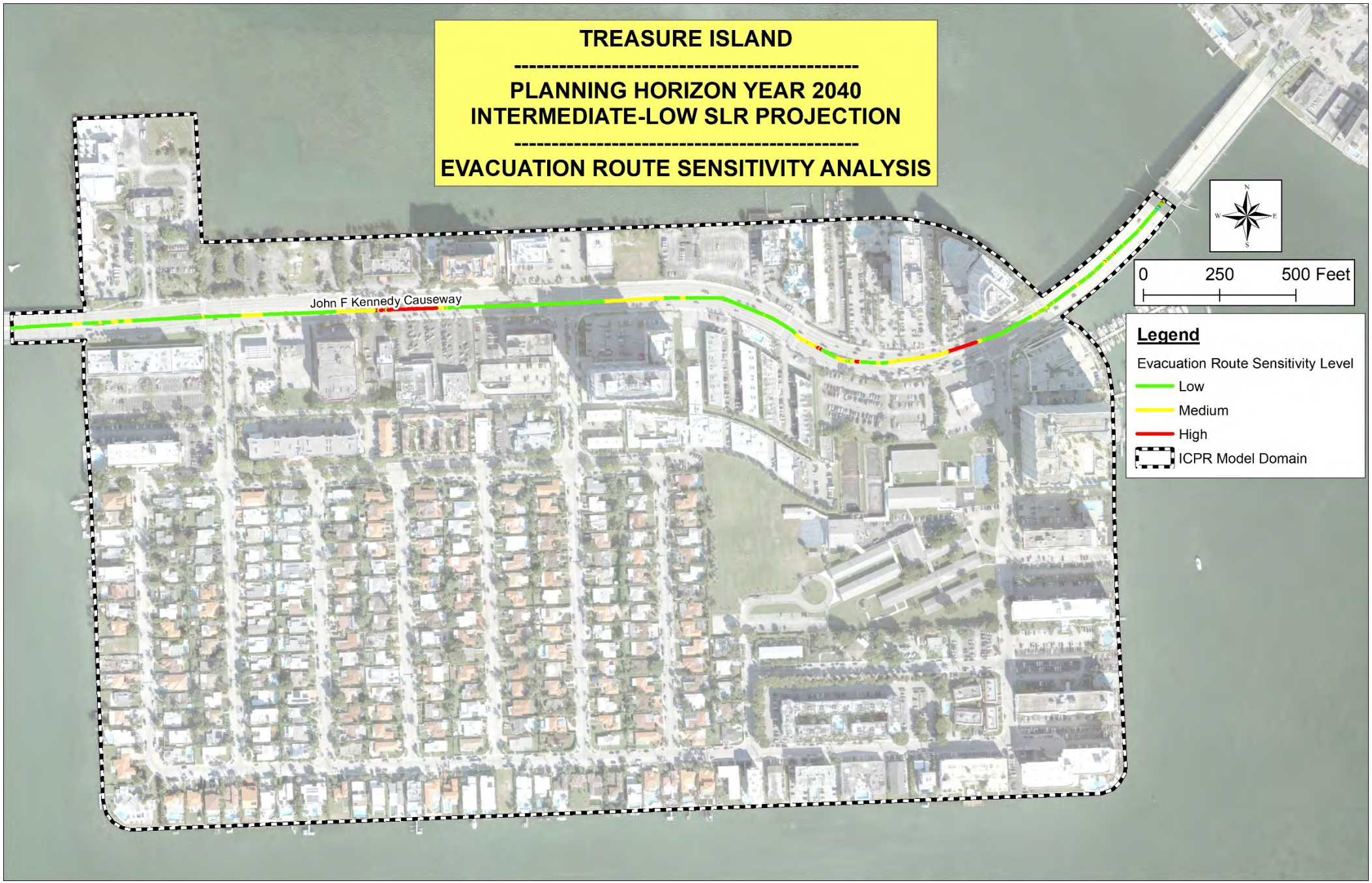

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
CATEGORY 5 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
MIAMI VIEW DR
BAY TER
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
S ALY

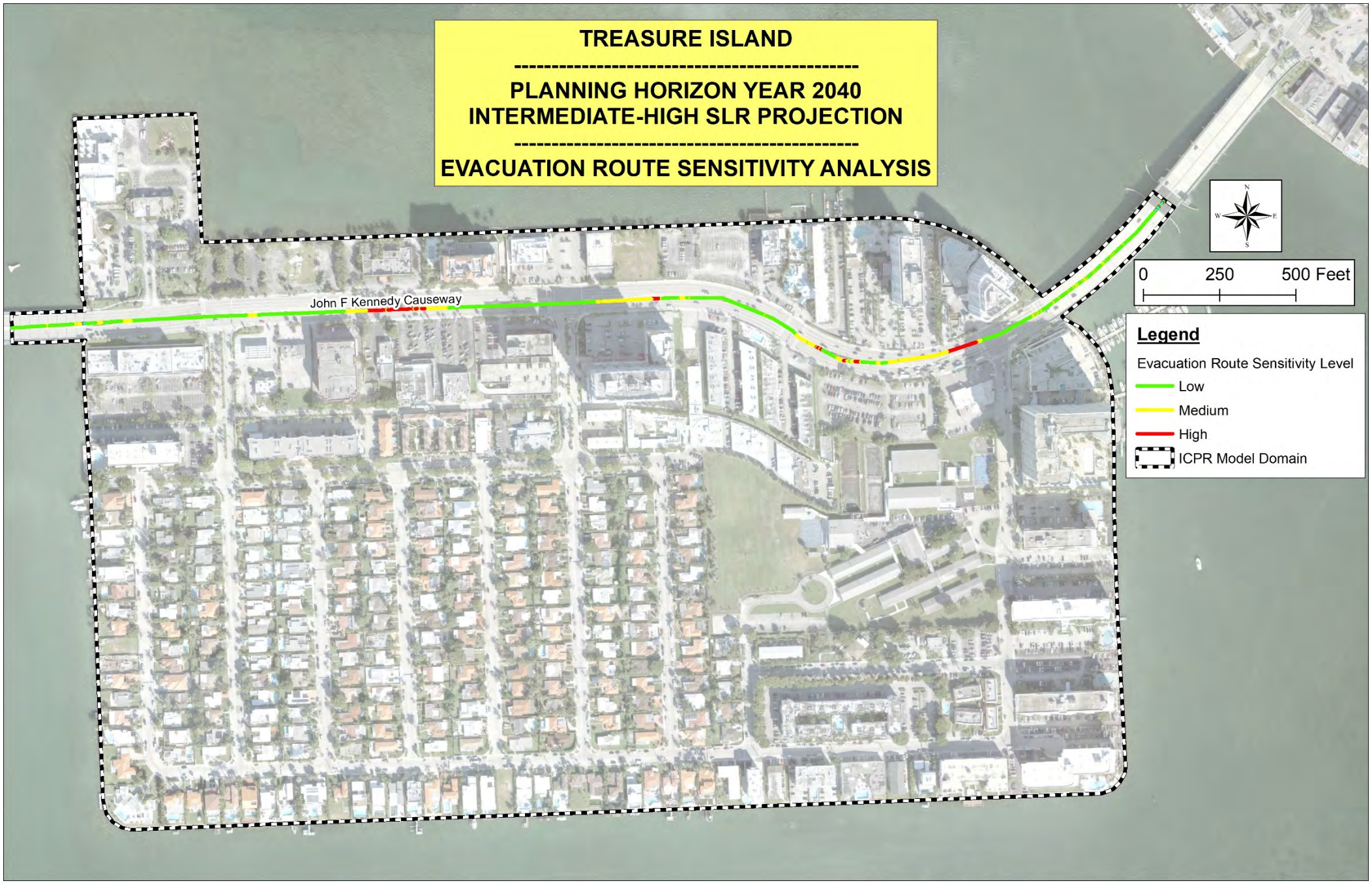

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
CATEGORY 5 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
MIAMI VIEW DR
BAY TER
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
S ALY

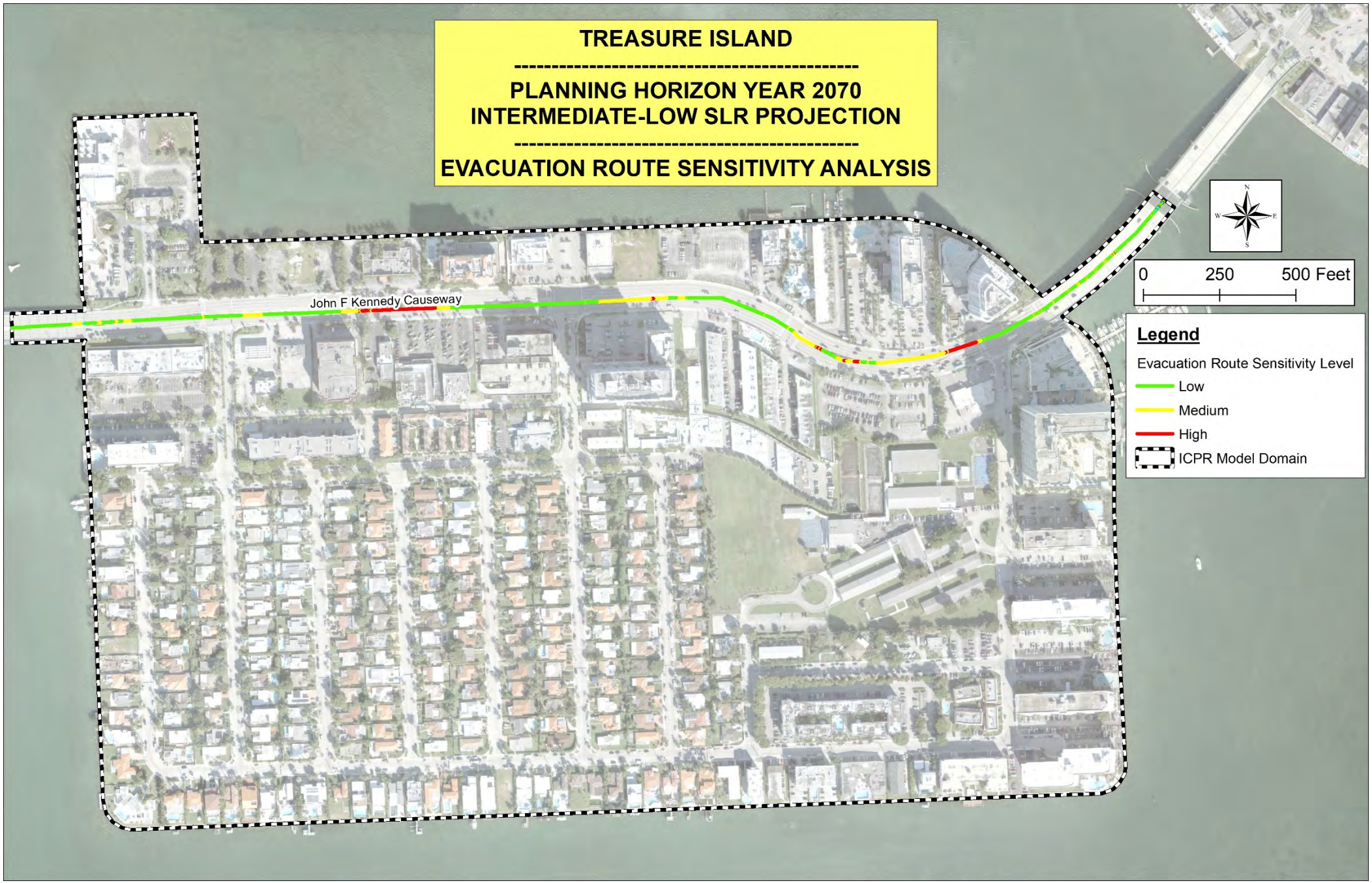

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
CATEGORY 5 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
MIAMI VIEW DR
BAY TER
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
S ALY

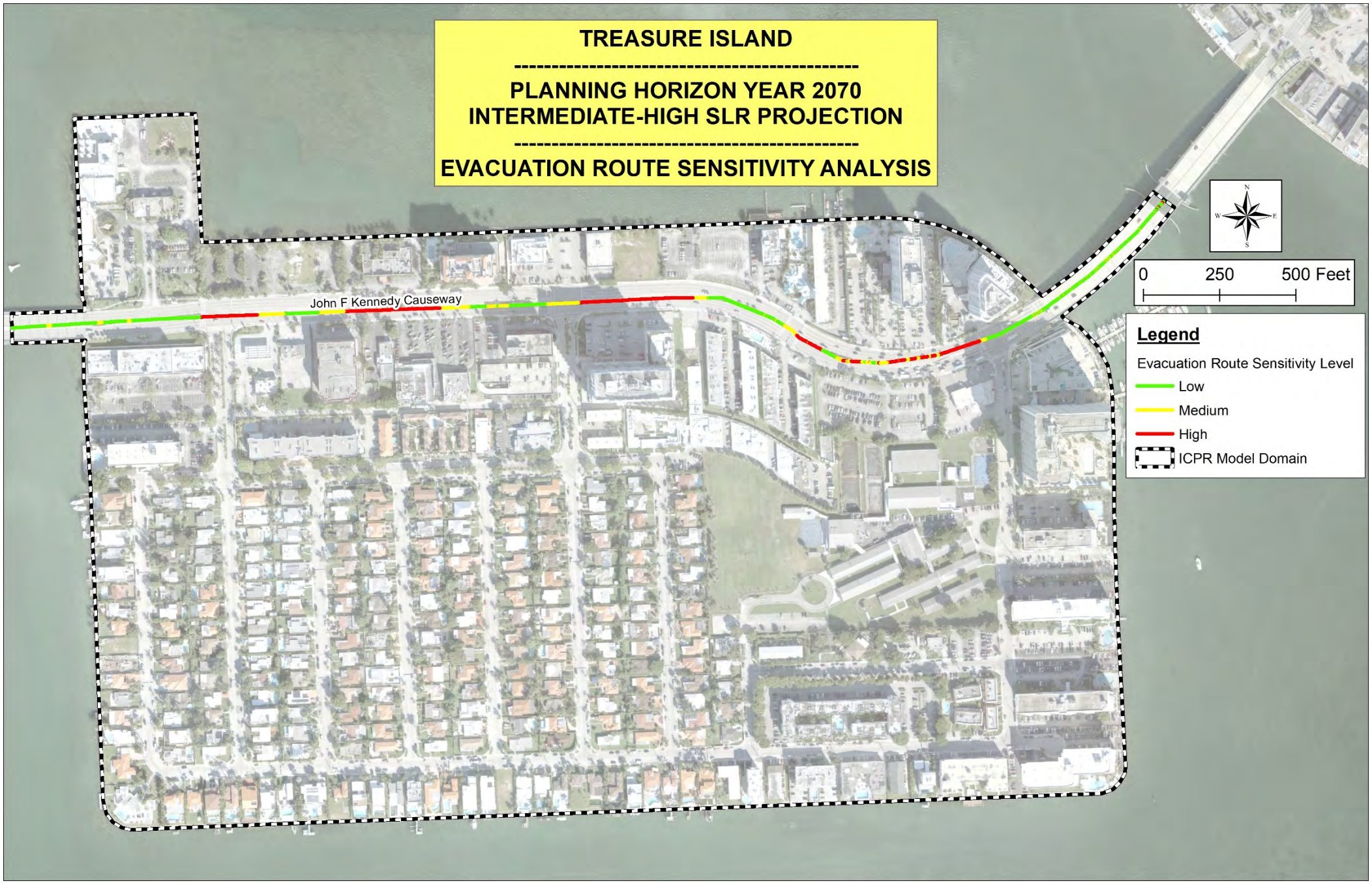

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
CATEGORY 5 STORM SURGE
PEAK FLOOD DEPTH MAP DIFFERENCE
100-YEAR, 72-HOUR VS. NO RAINFALL, 72-HOUR
N
W
E
S
0
250
500 Feet
Legend
Flood depth (ft.)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
Streets
ICPR Model Domain
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
MIAMI VIEW DR
BAY TER
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
S ALY

Appendix AA – Sensitivity Analysis Maps of the Evacuation Routes in TI and NBI & HI under Sea-level Rise Scenarios


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
N
W
E
S
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
N
W
E
S
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

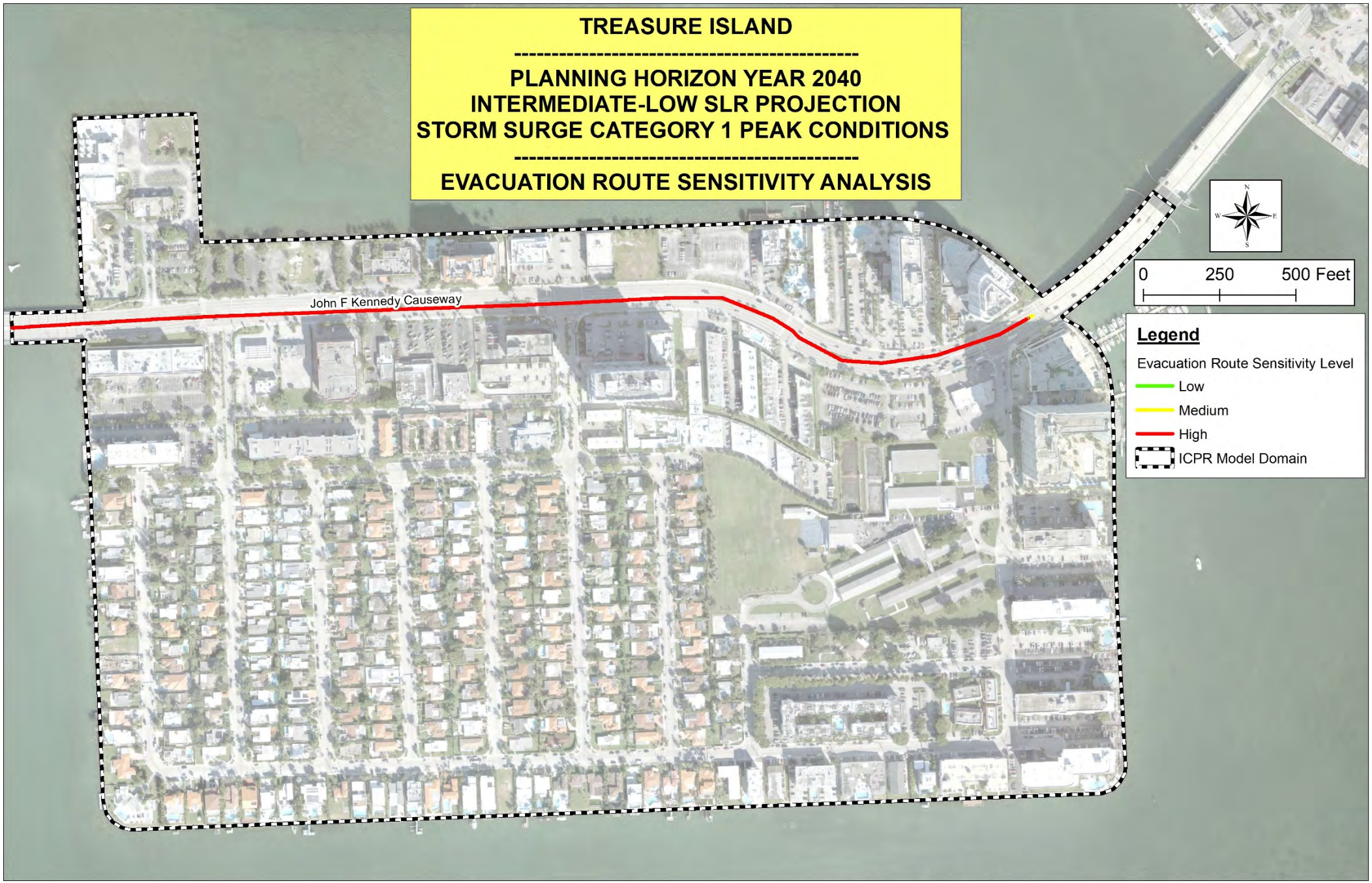

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

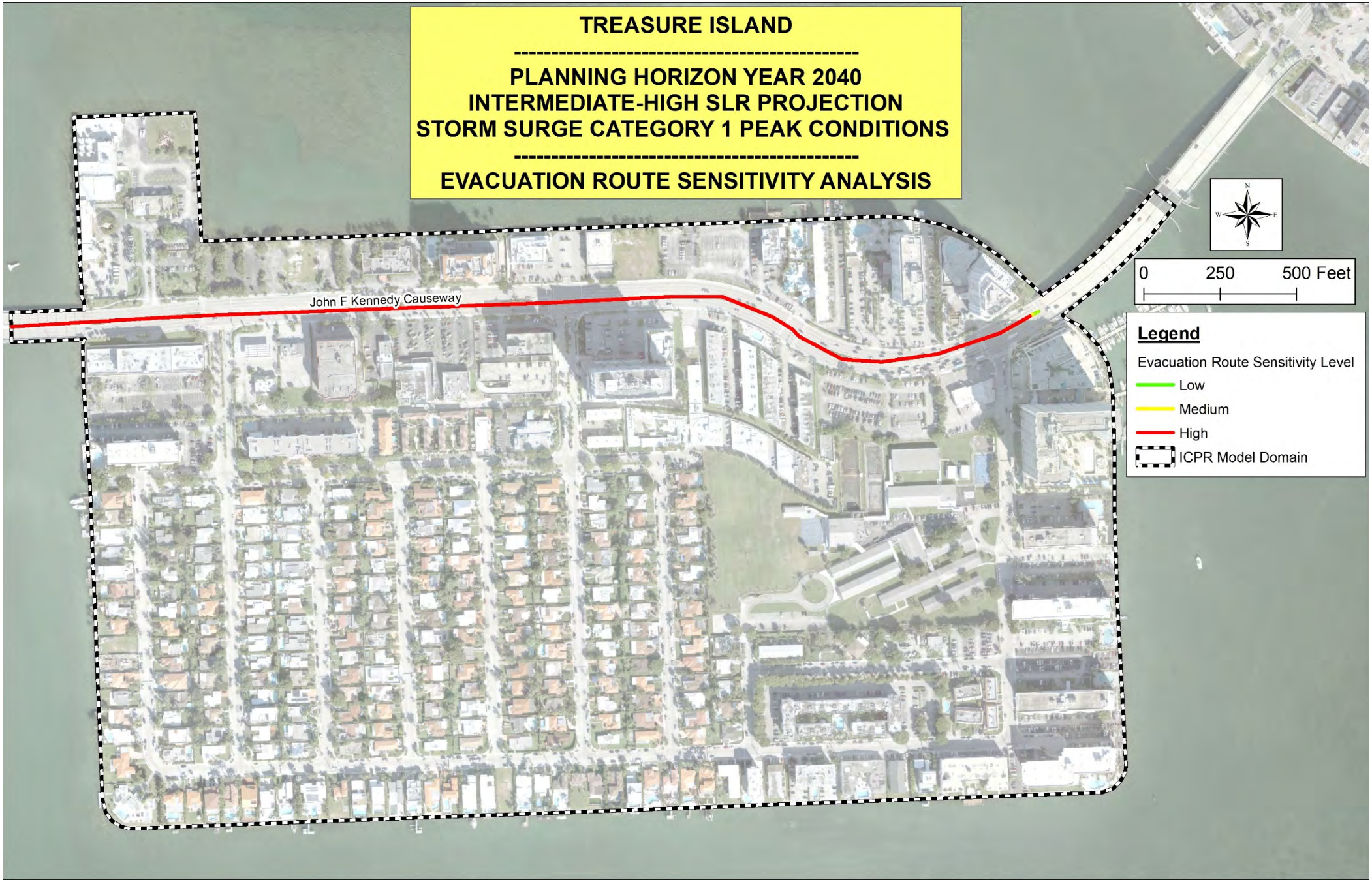

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

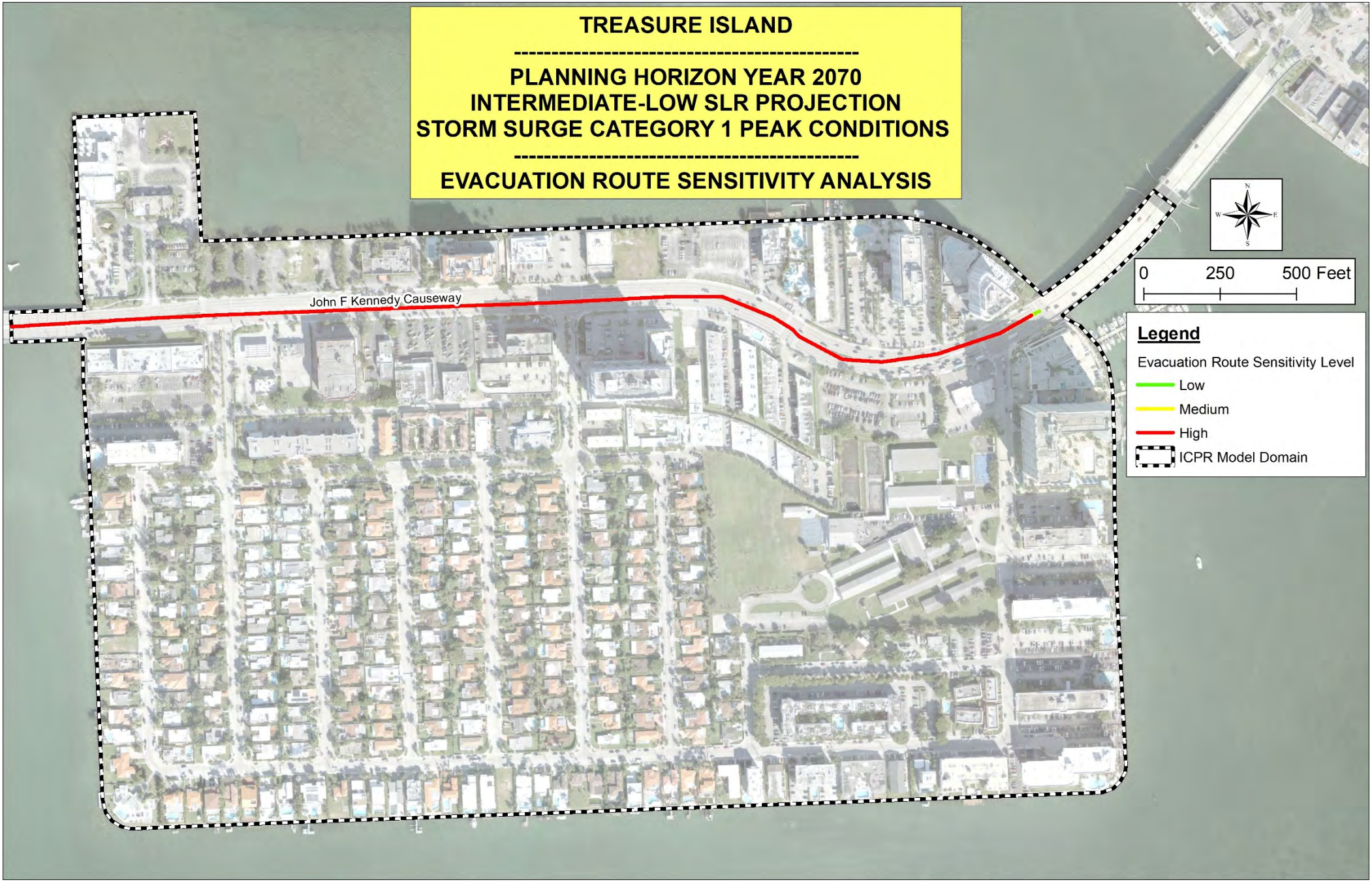

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

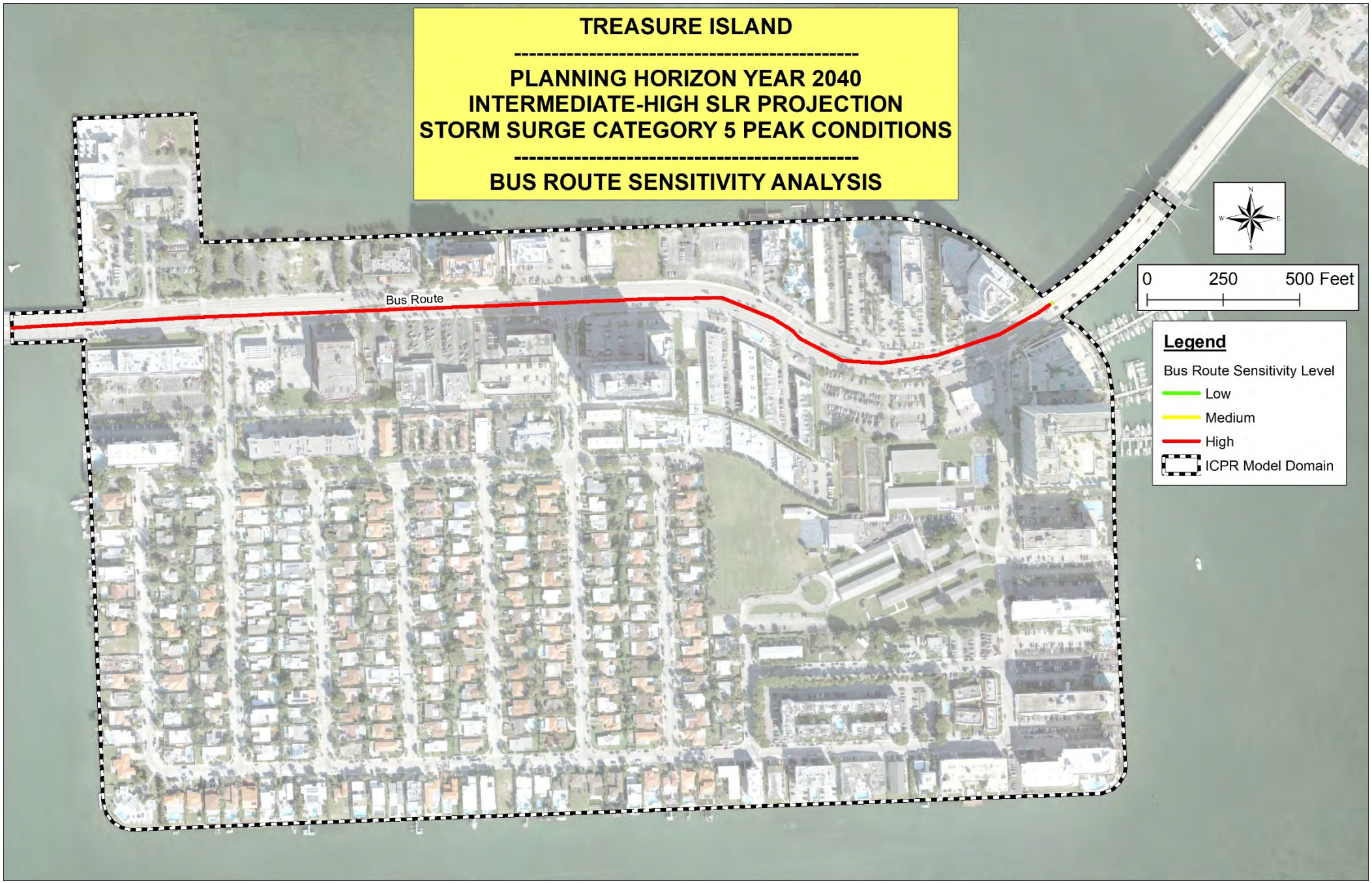
Appendix AB – Sensitivity Analysis Maps of the Evacuation Routes in TI and NBI & HI for Category 1 Storm Surge Conditions

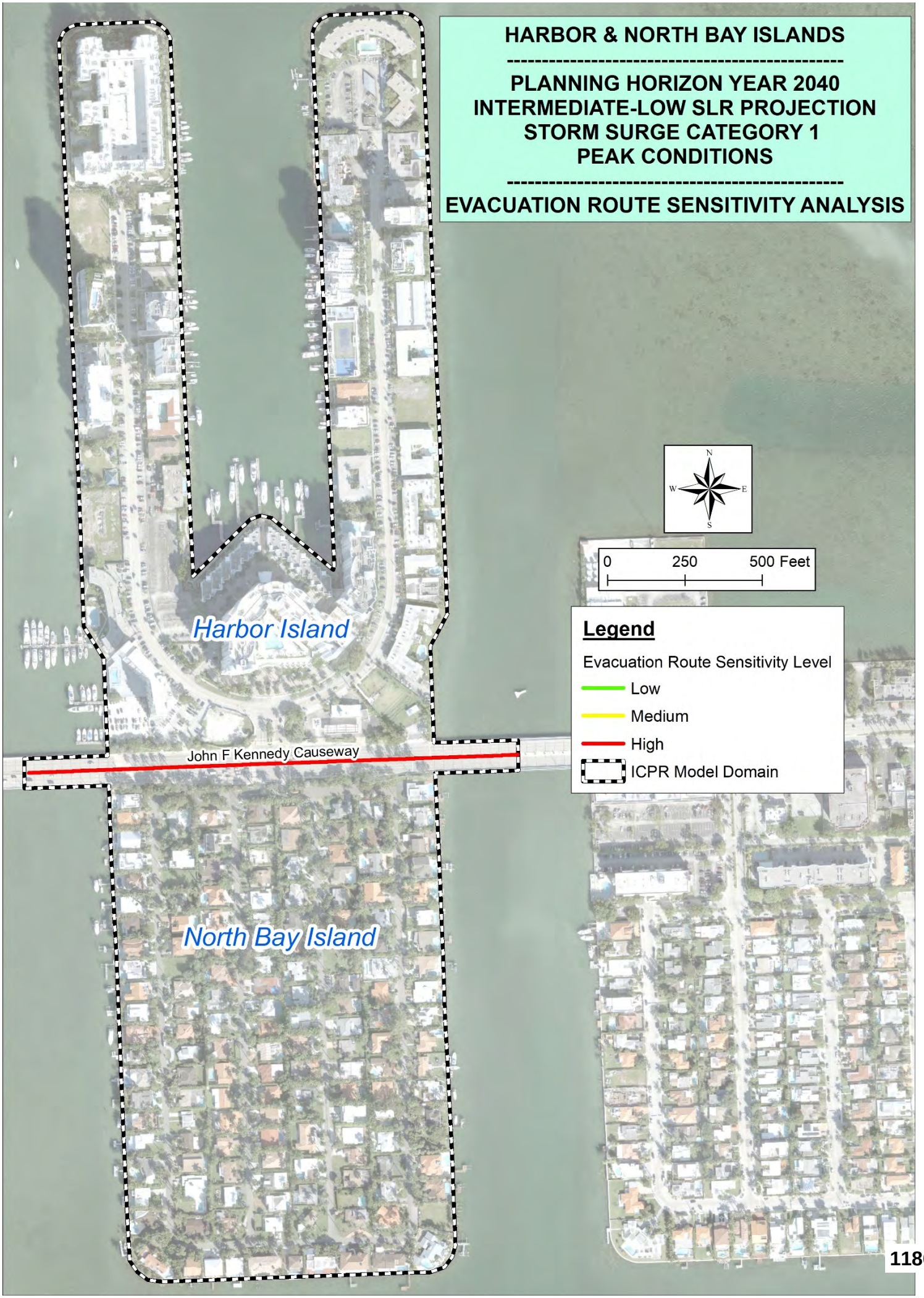

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
N
W
E
S
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

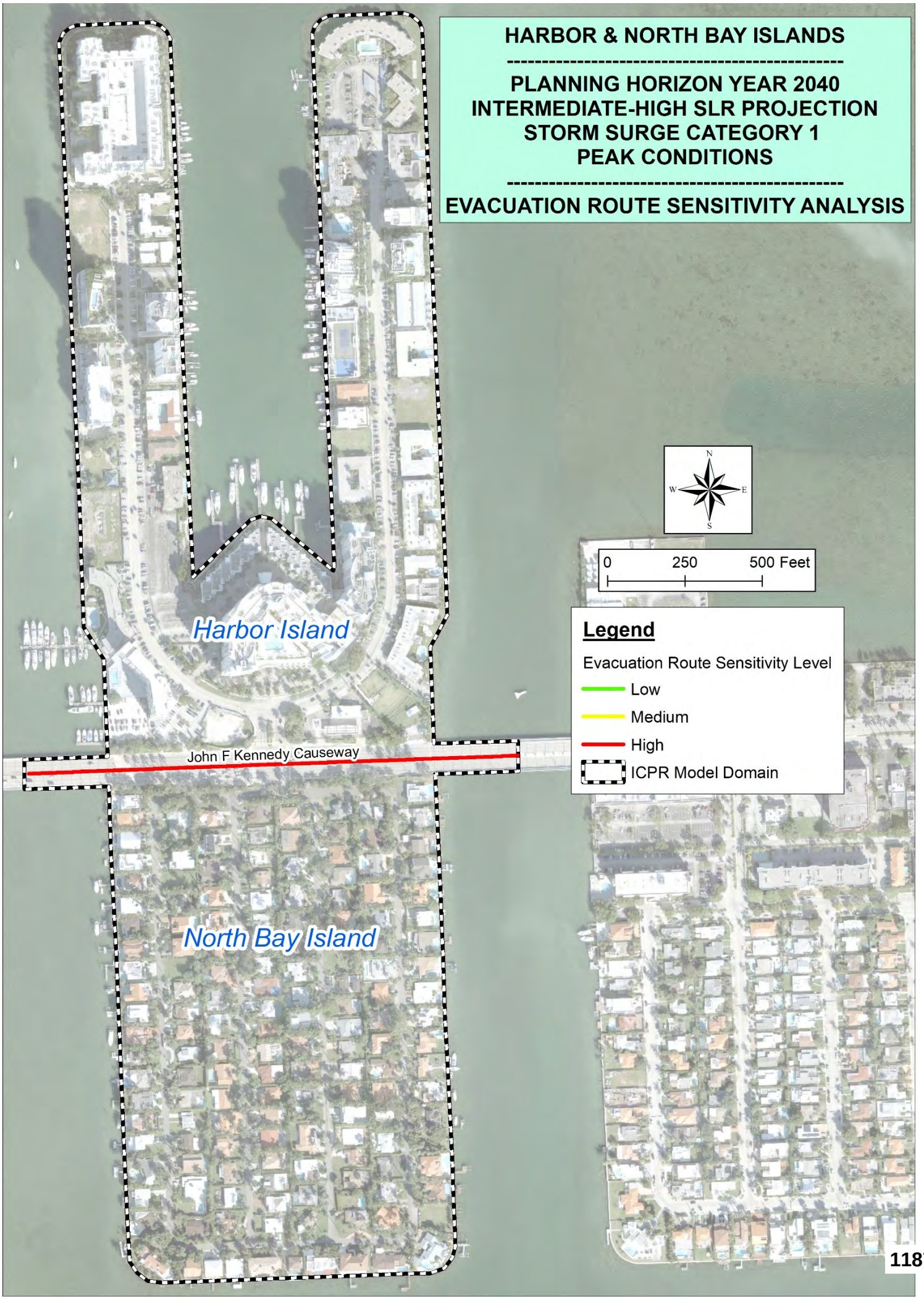
1182

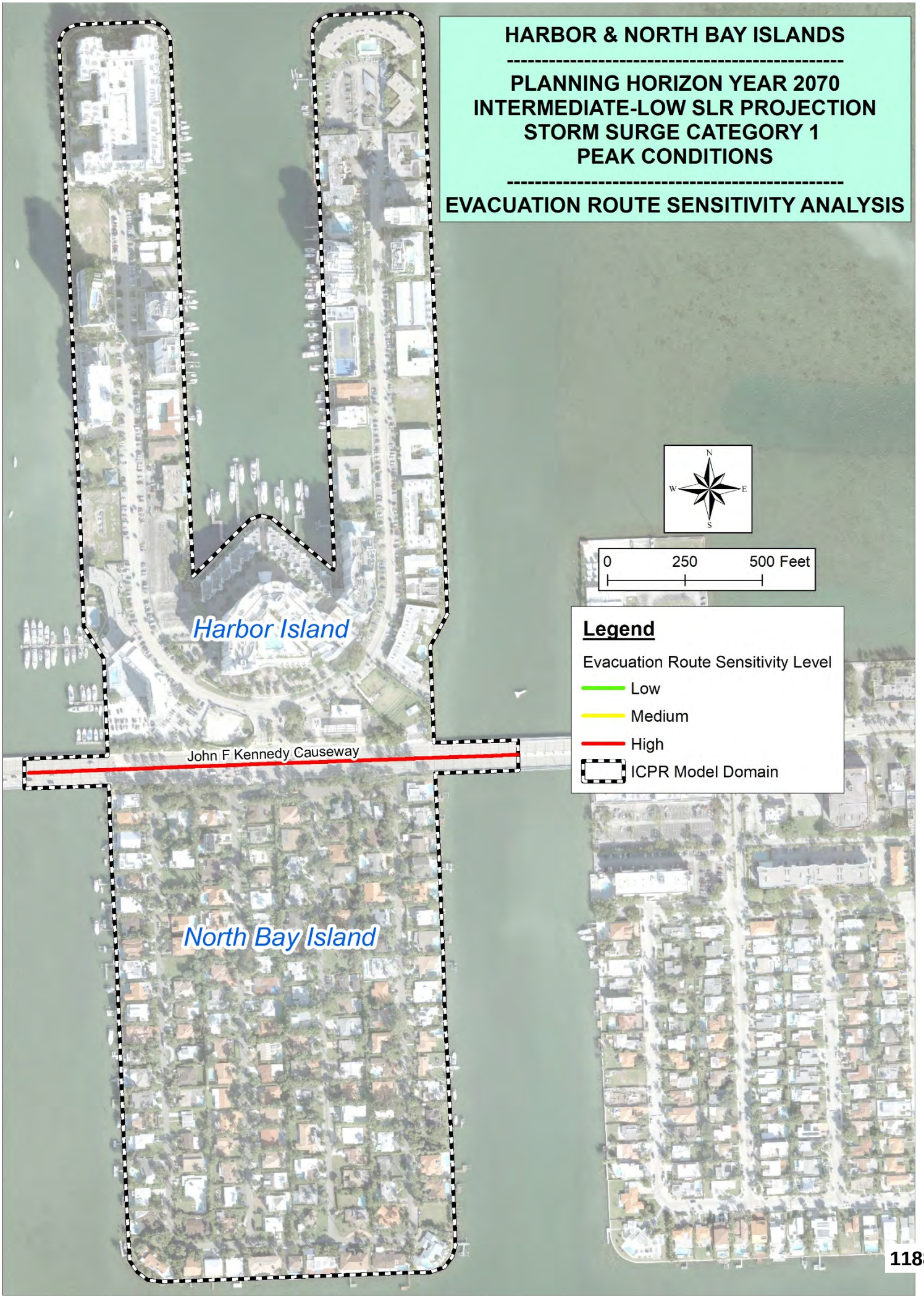

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

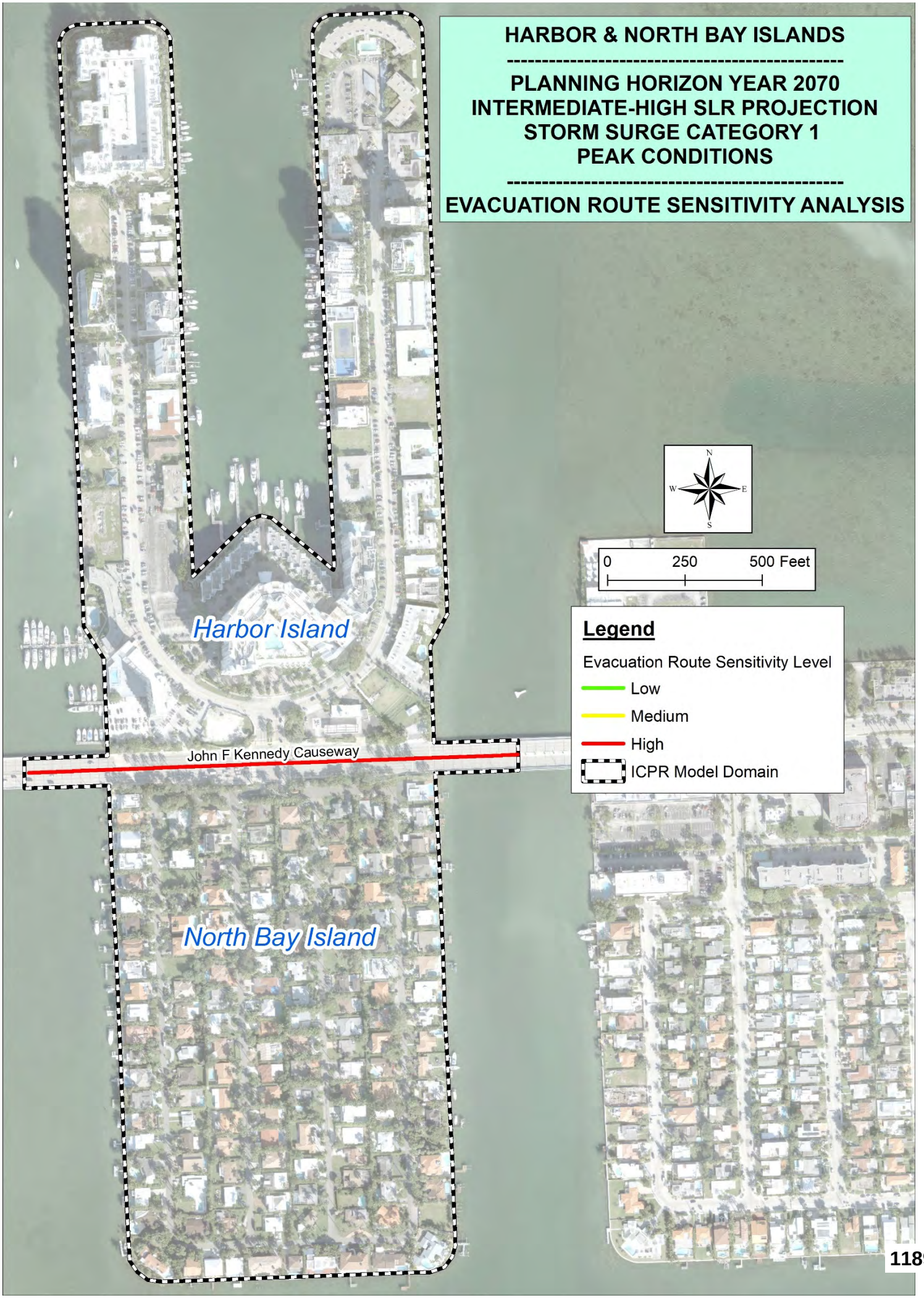

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
N
W
E
S
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

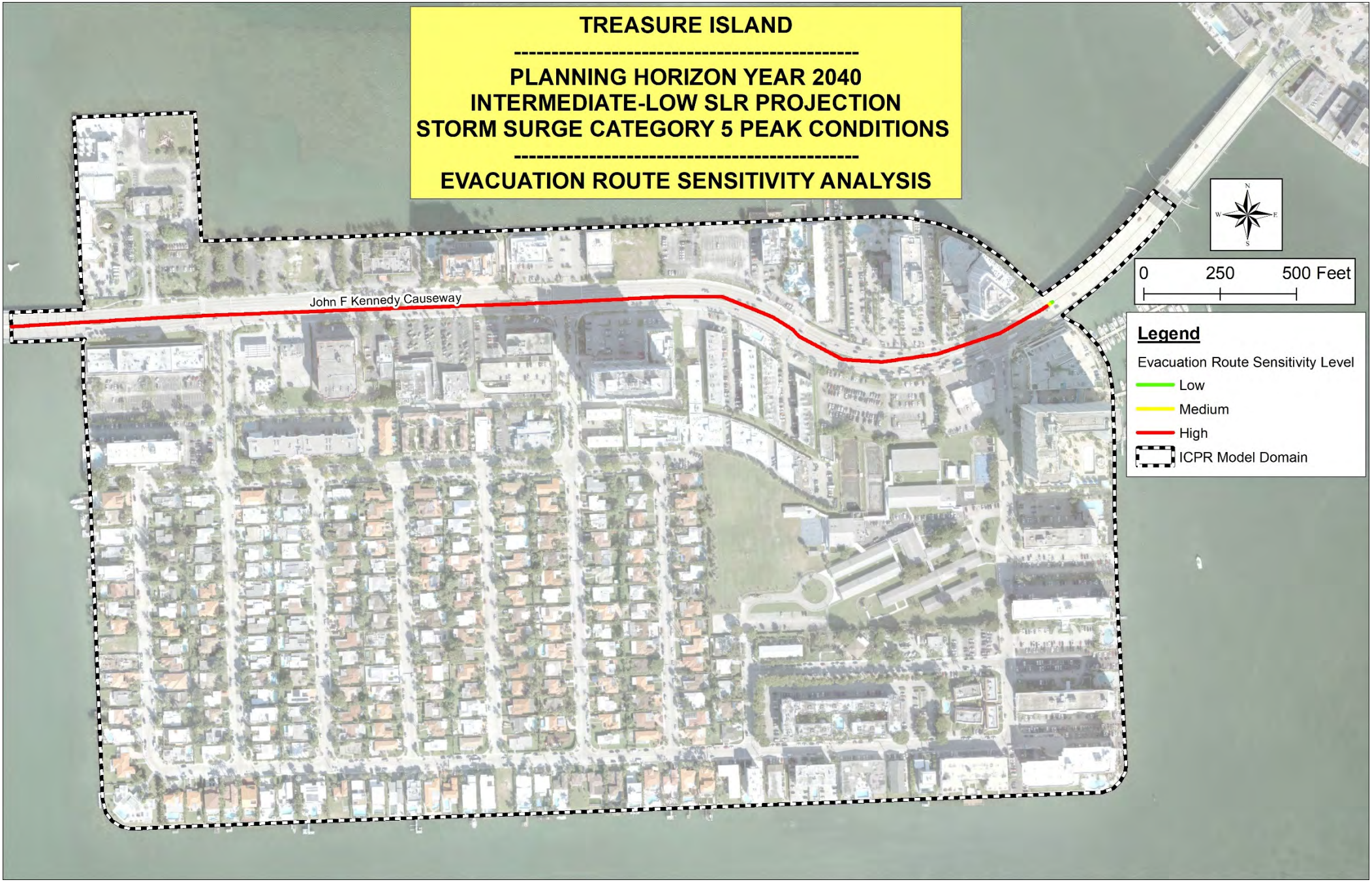

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

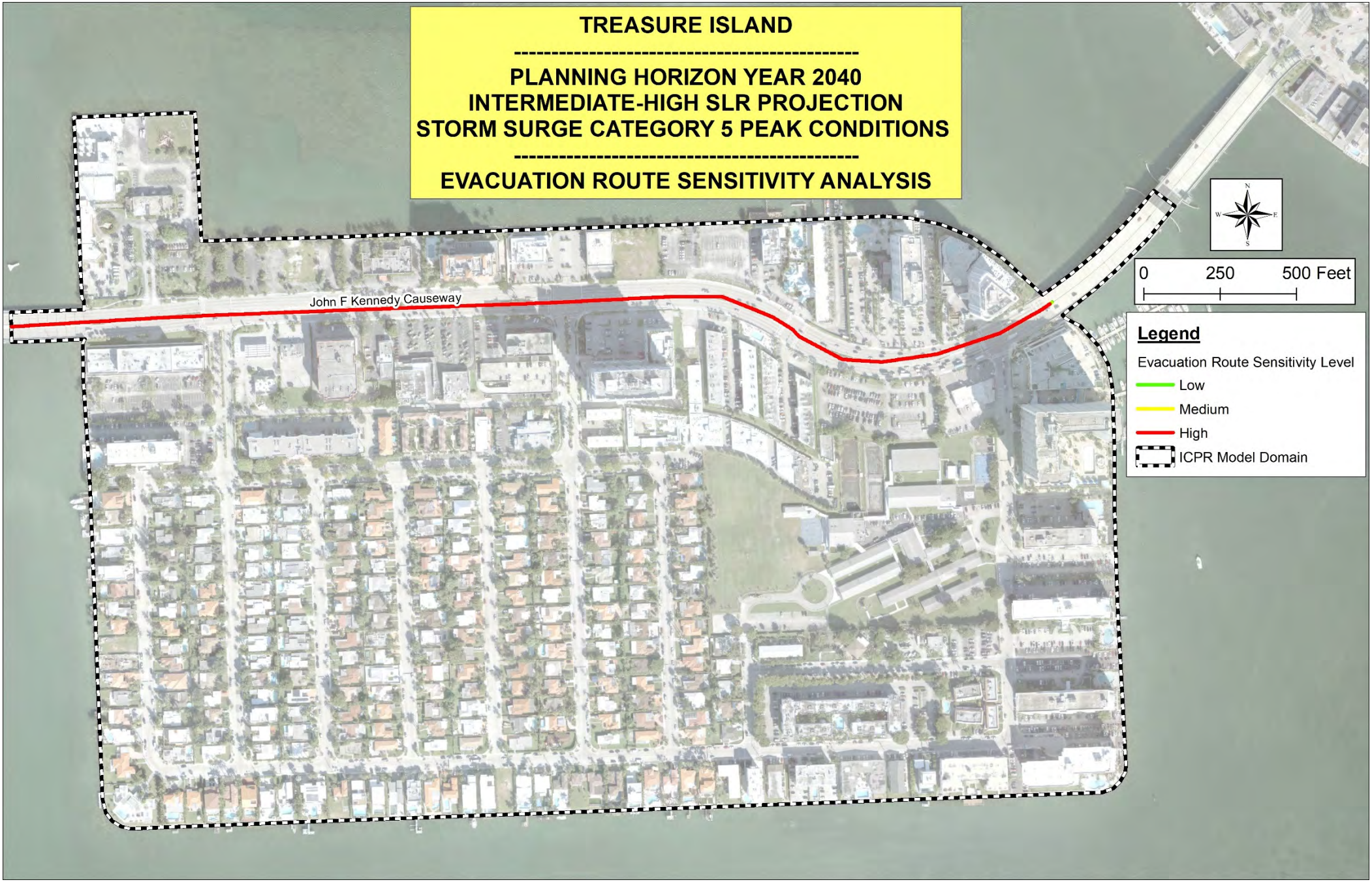

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

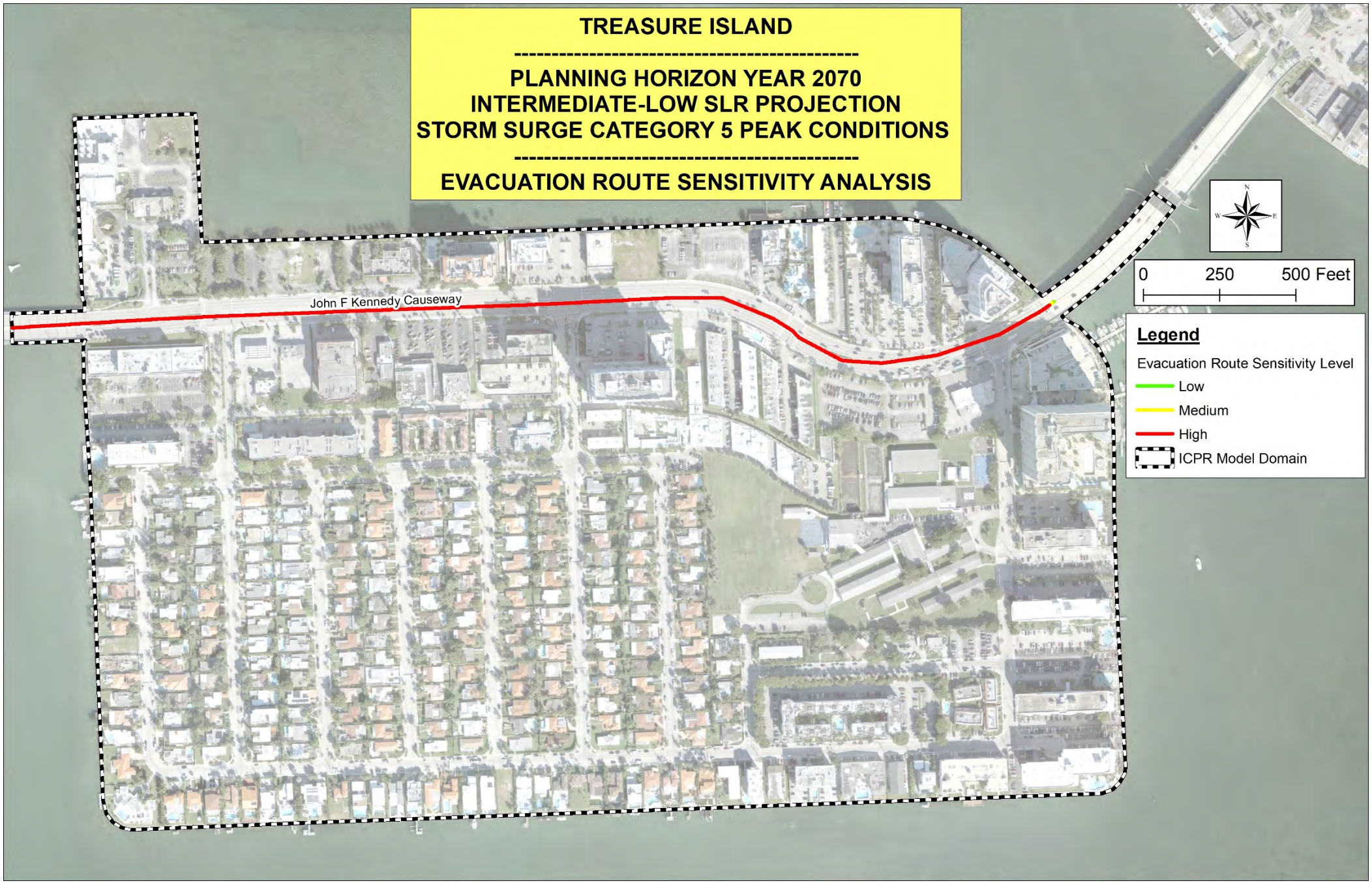

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

Appendix AC – Sensitivity Analysis Maps of the Evacuation Routes in TI and NBI & HI for Category 5 Storm Surge Conditions

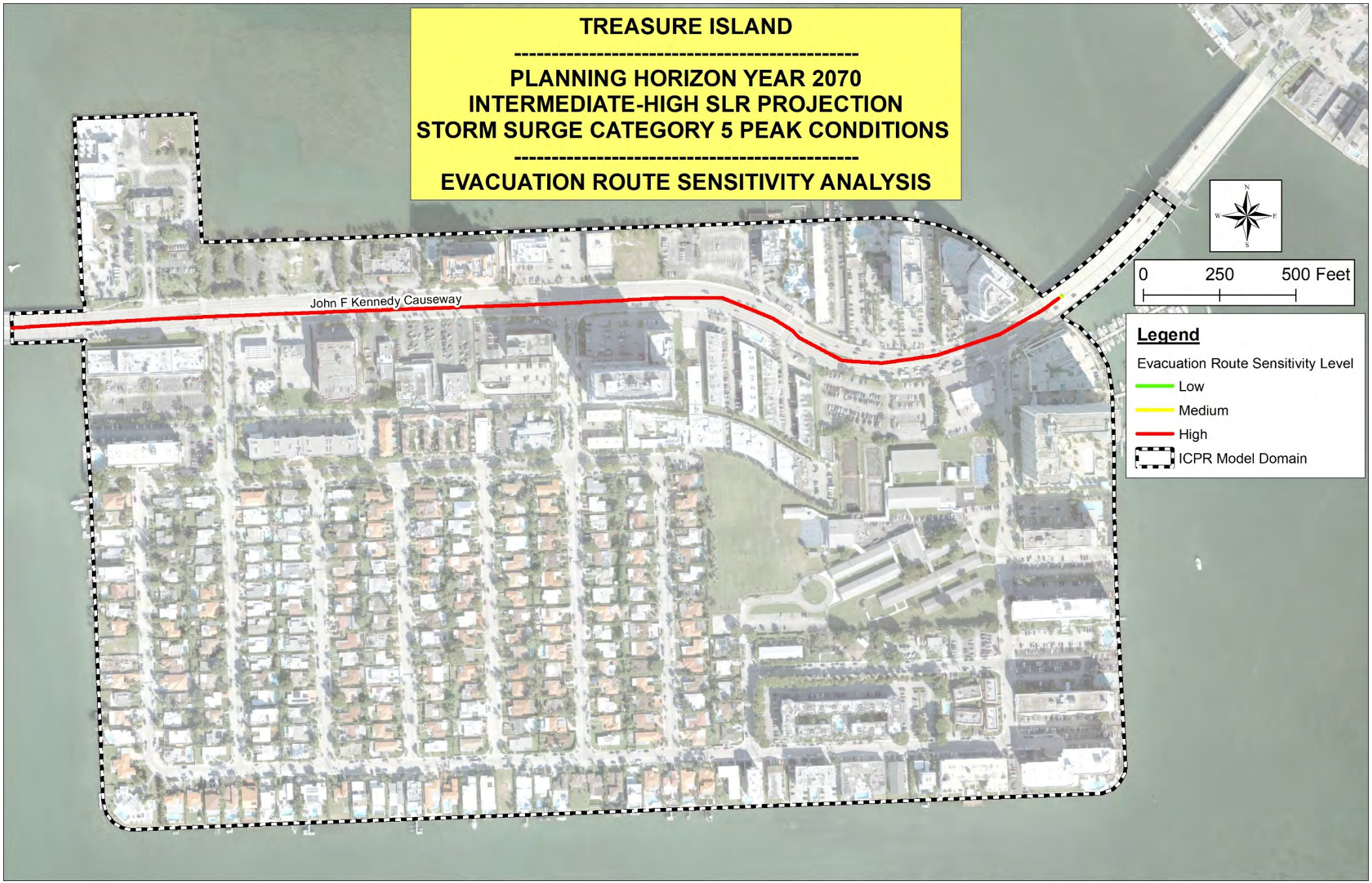

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
N
W
E
S
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

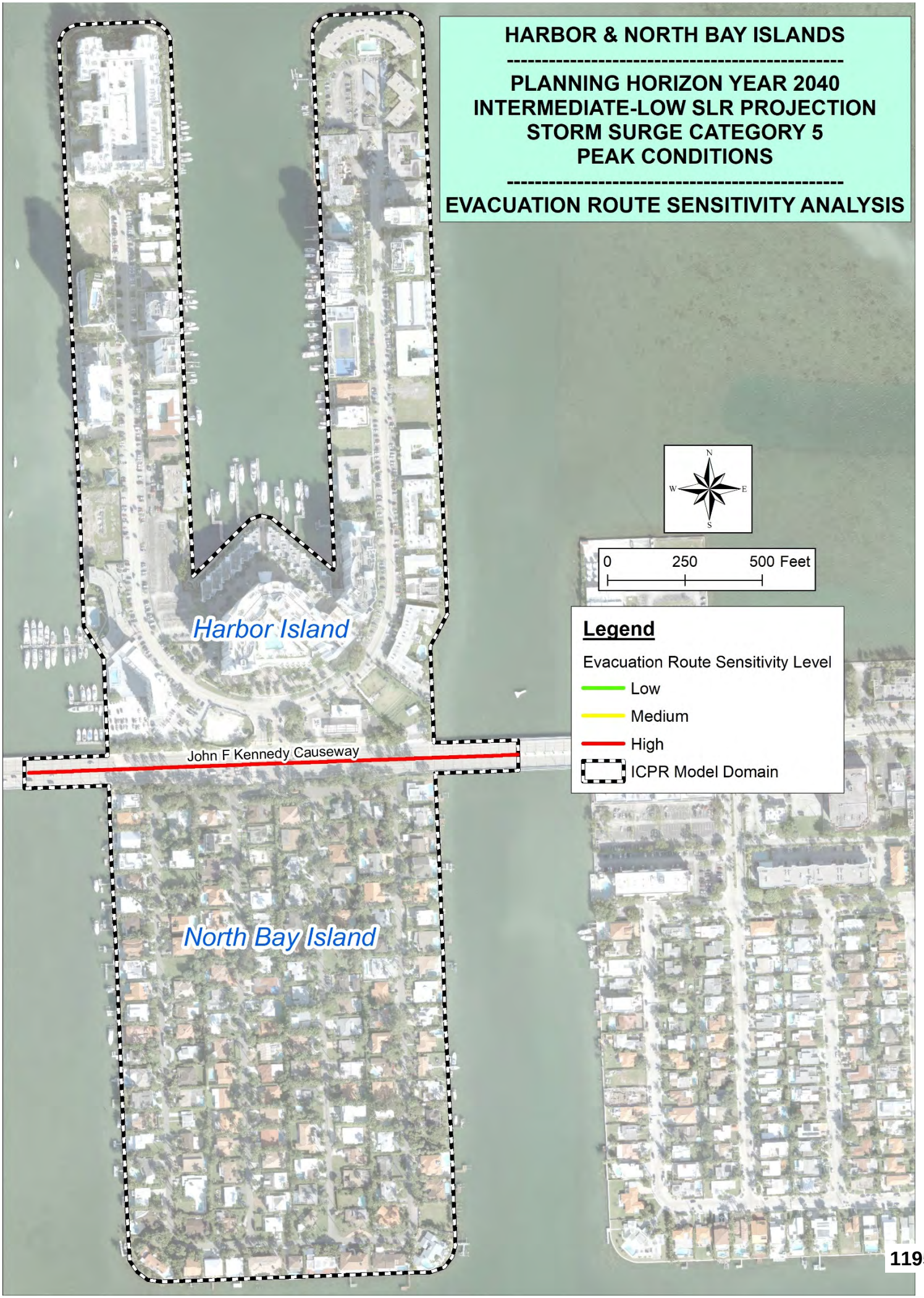

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
N
W
E
S
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

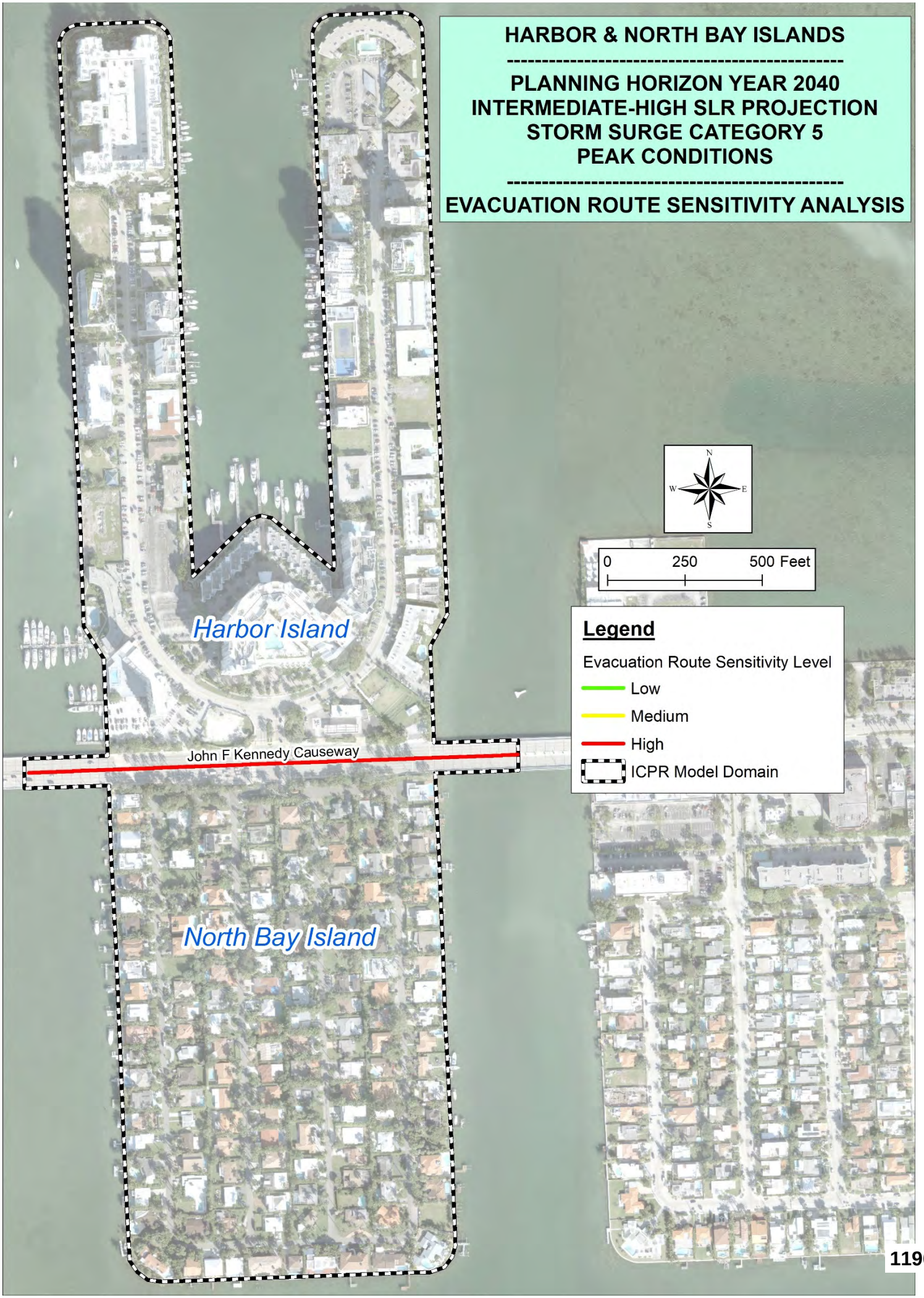
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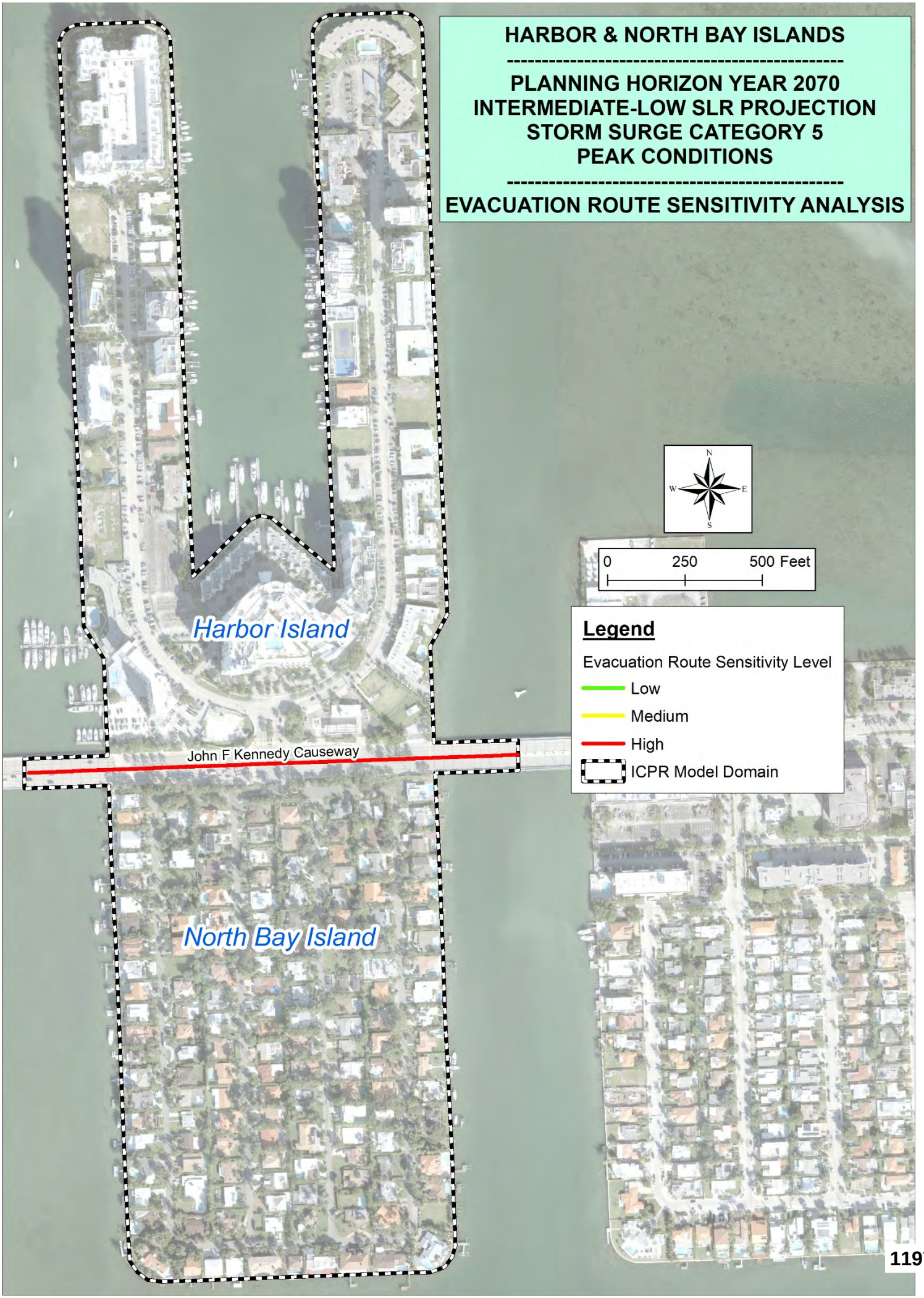

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
N
W
E
S
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

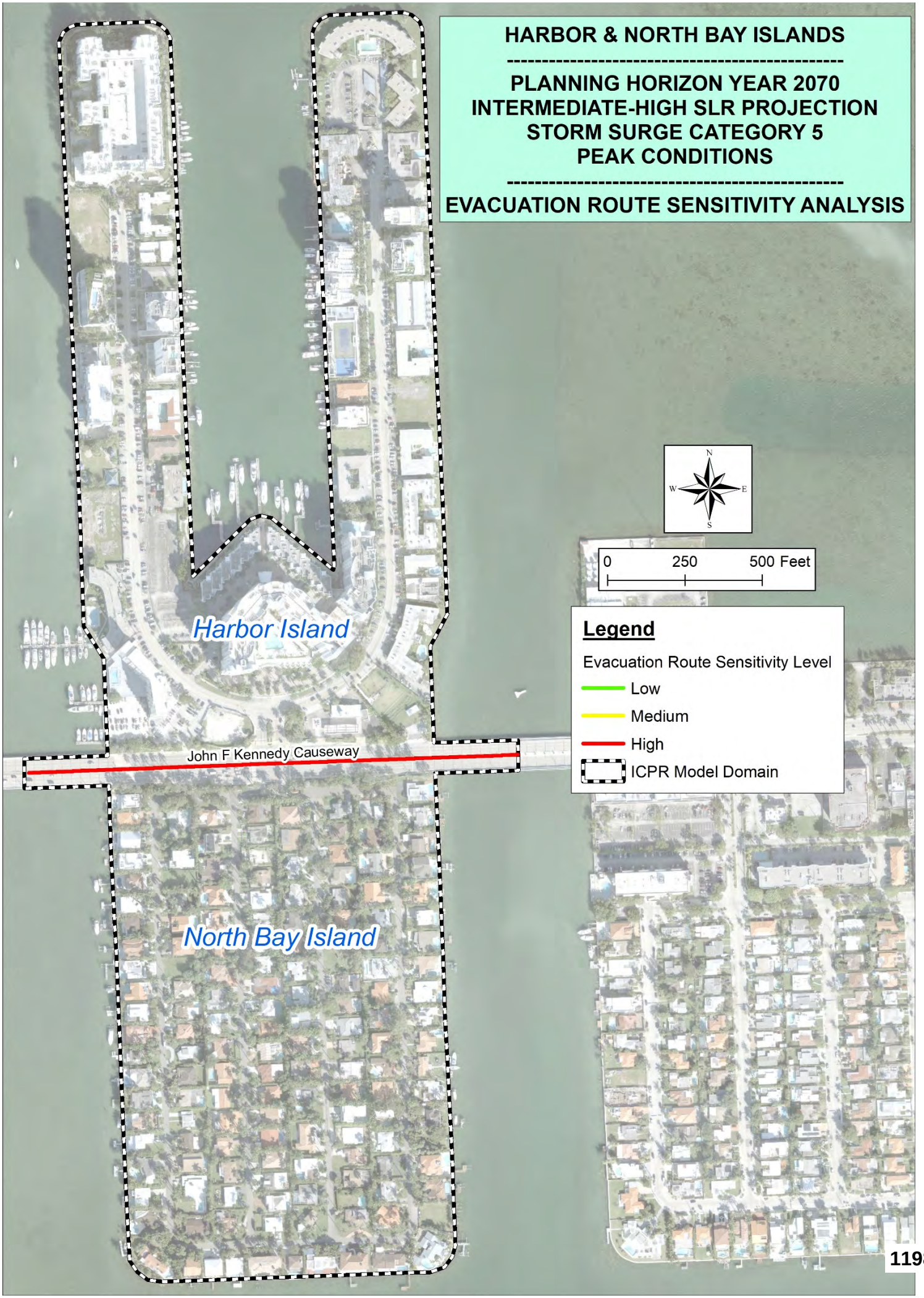
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TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
John F Kennedy Causeway
N
W
E
S
0
250
500 Feet
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

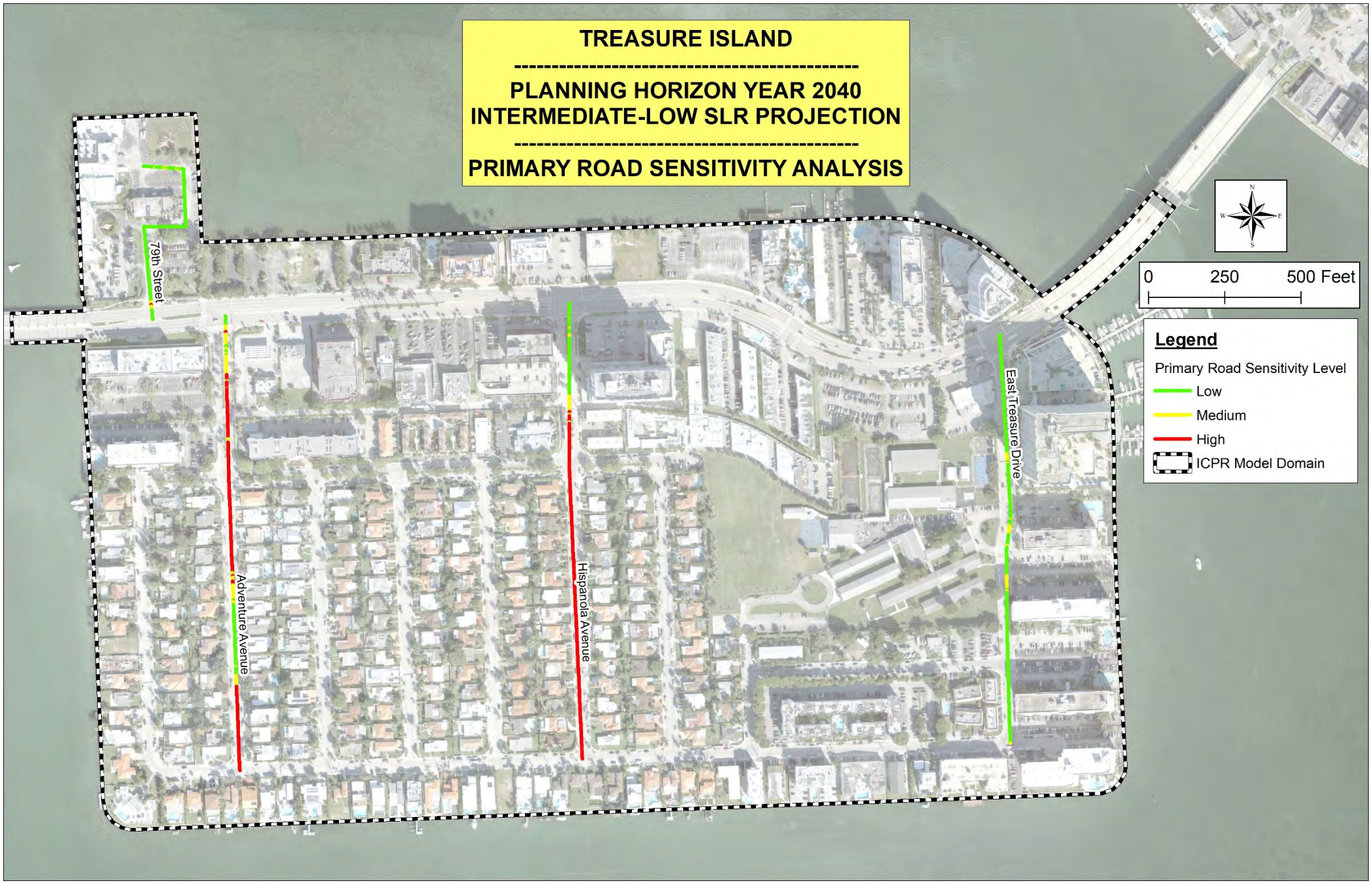

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

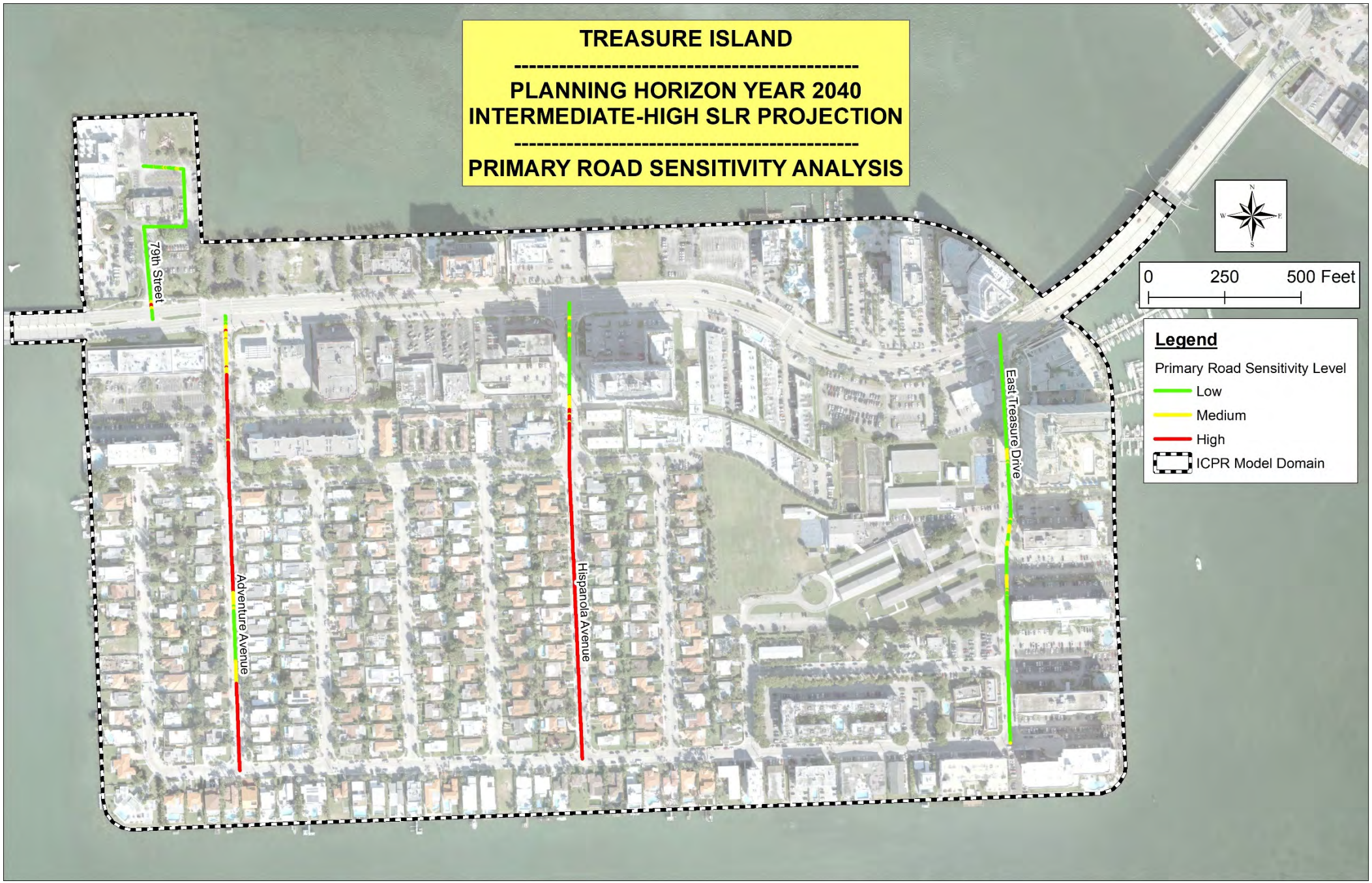

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

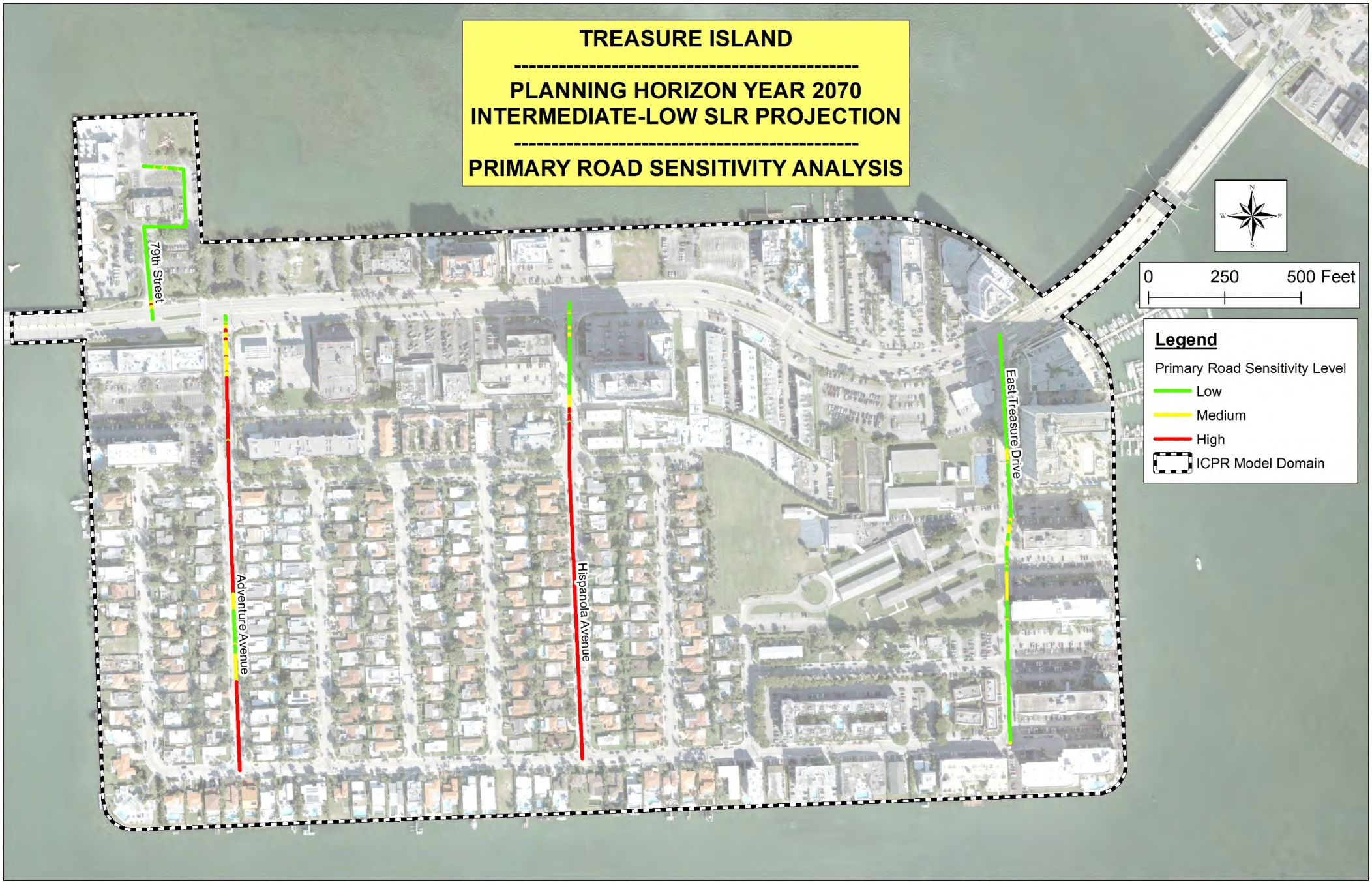

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
EVACUATION ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
John F Kennedy Causeway
North Bay Island
Legend
Evacuation Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

Appendix AD – Sensitivity Analysis Maps of the Primary Roads in TI and NBI & HI under Sea-level Rise Scenarios

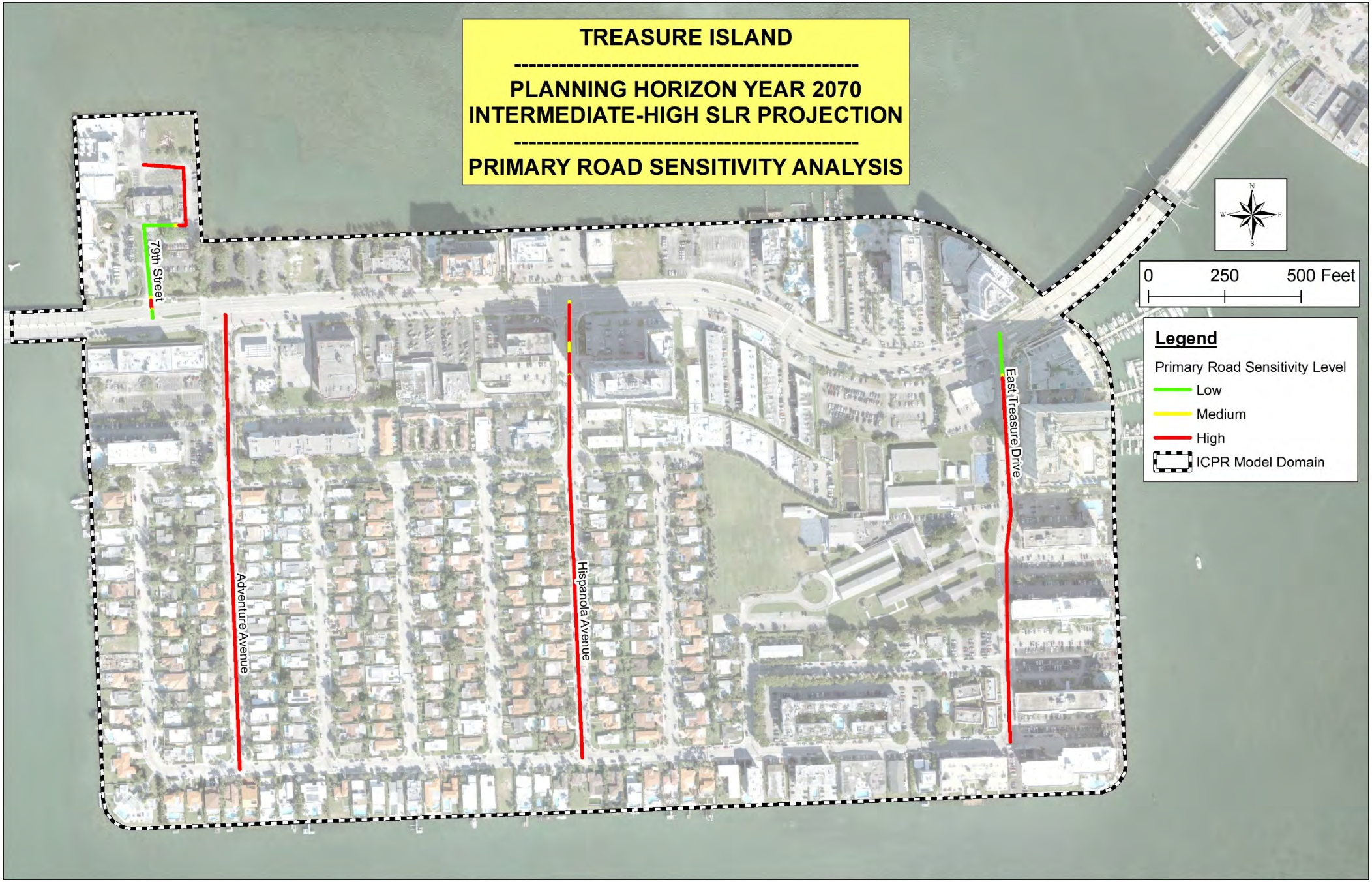

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

1200


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

1202


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

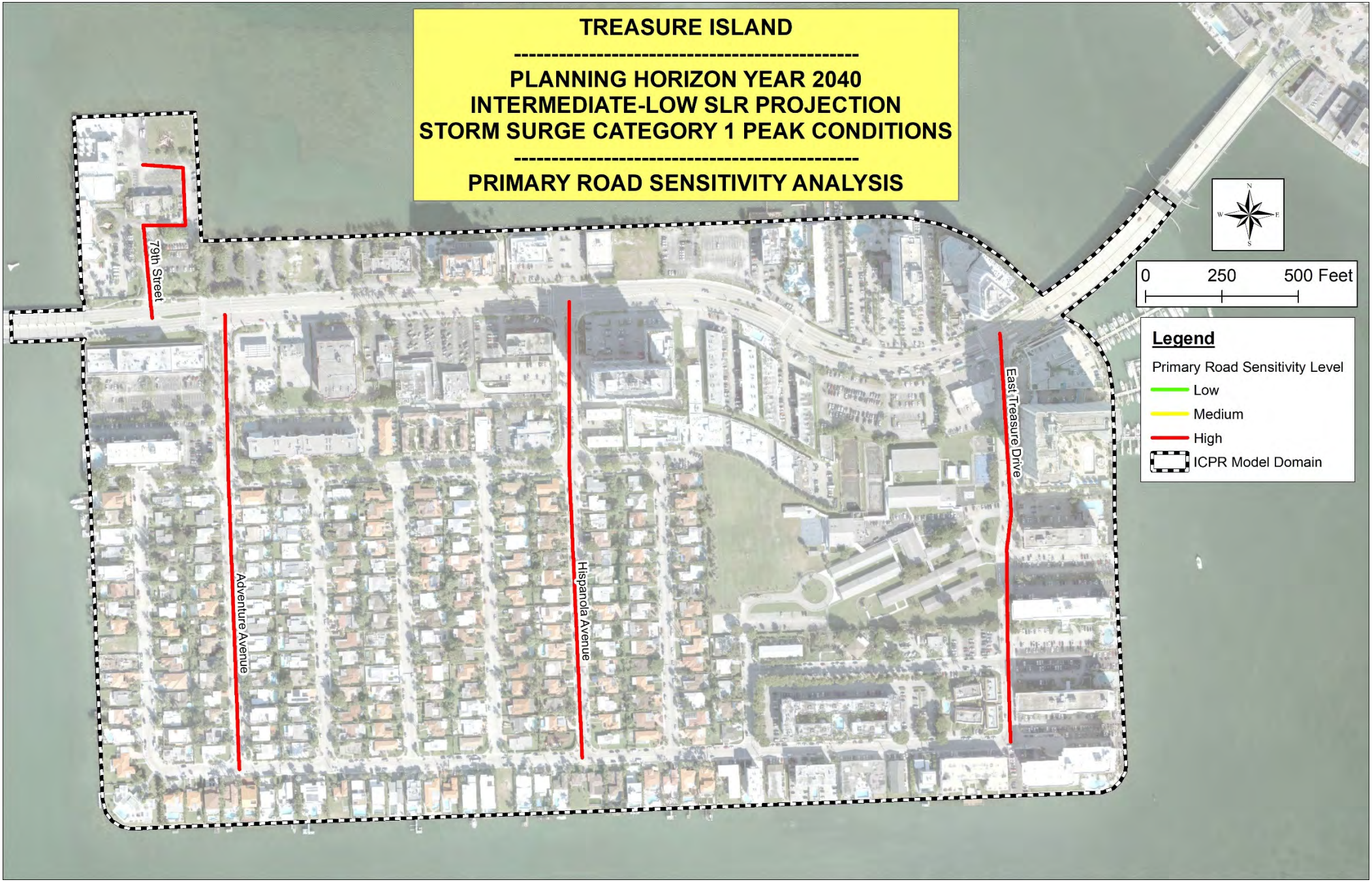
1204


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain
1205

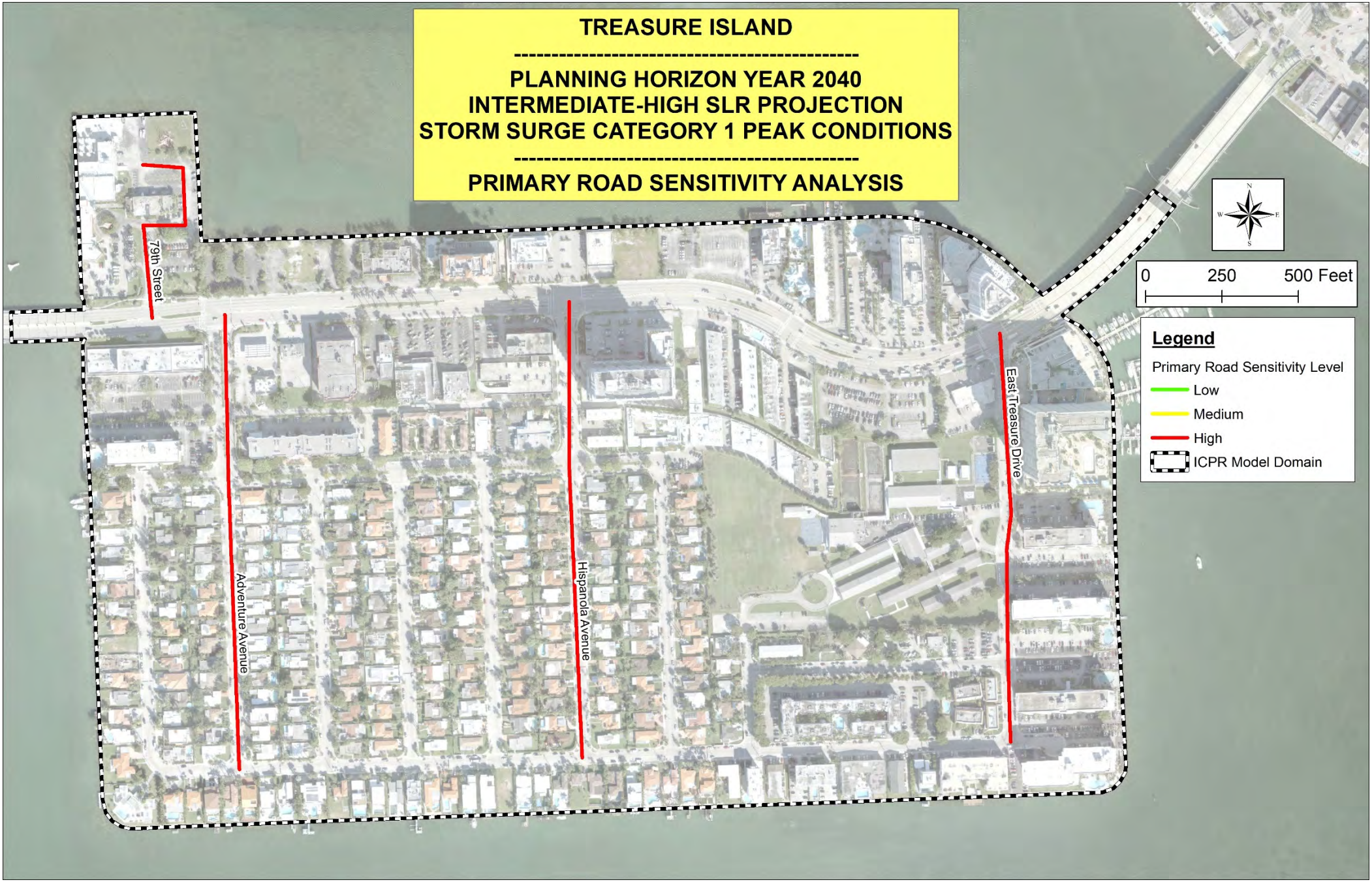

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

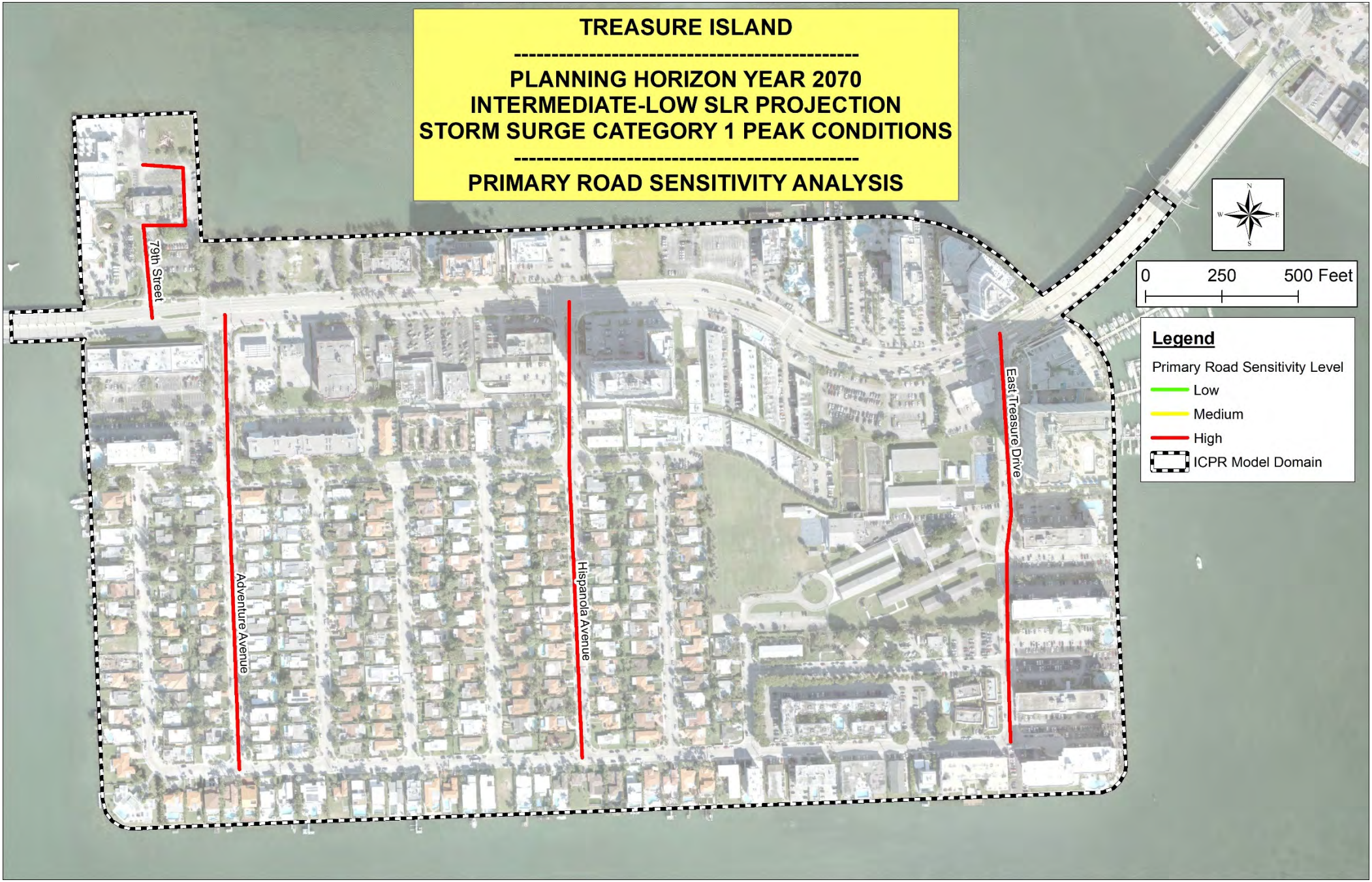

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain
1207

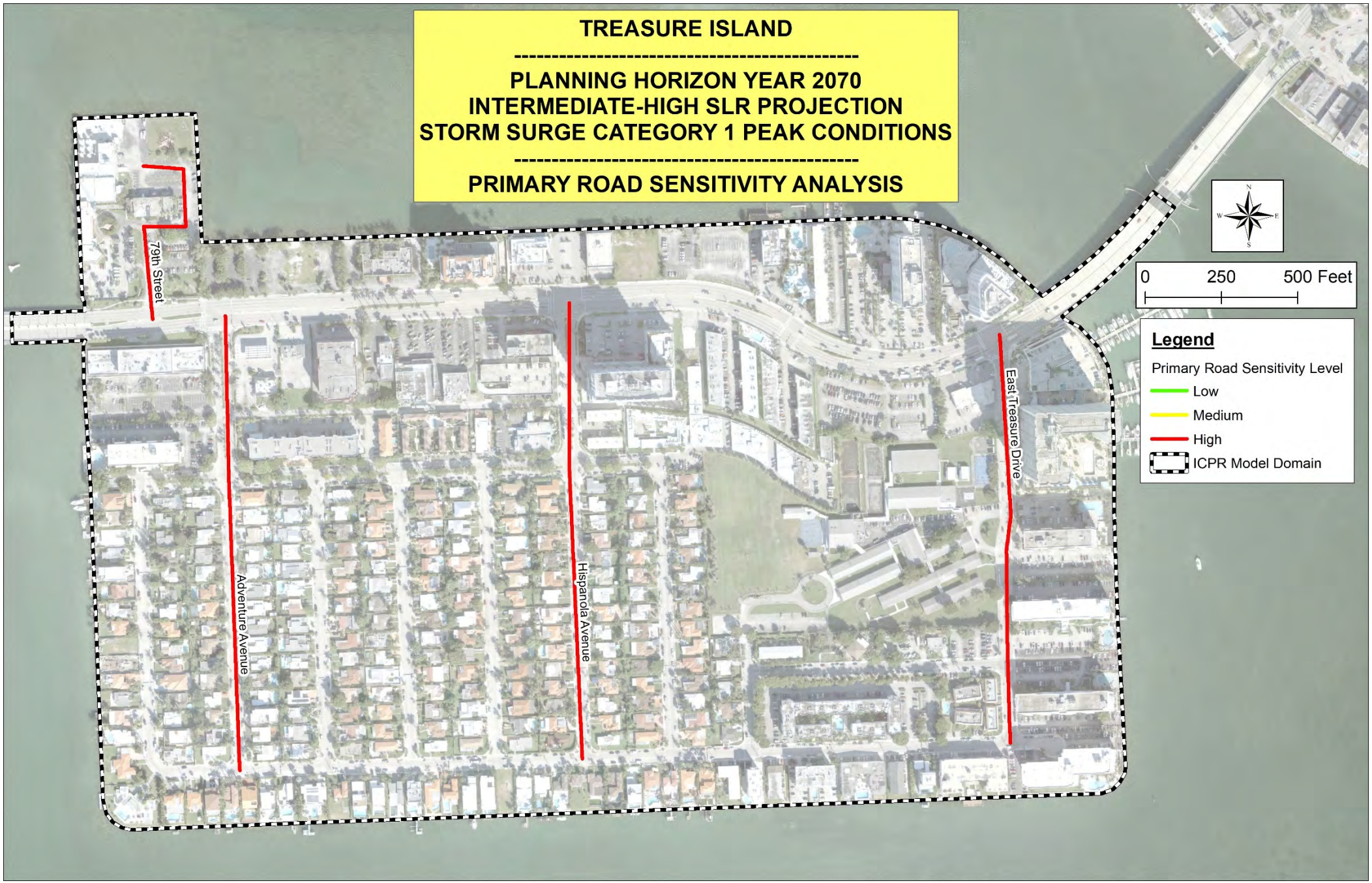
Appendix AE – Sensitivity Analysis Maps of the Primary Roads in TI and NBI & HI for Category 1 Storm Surge Conditions

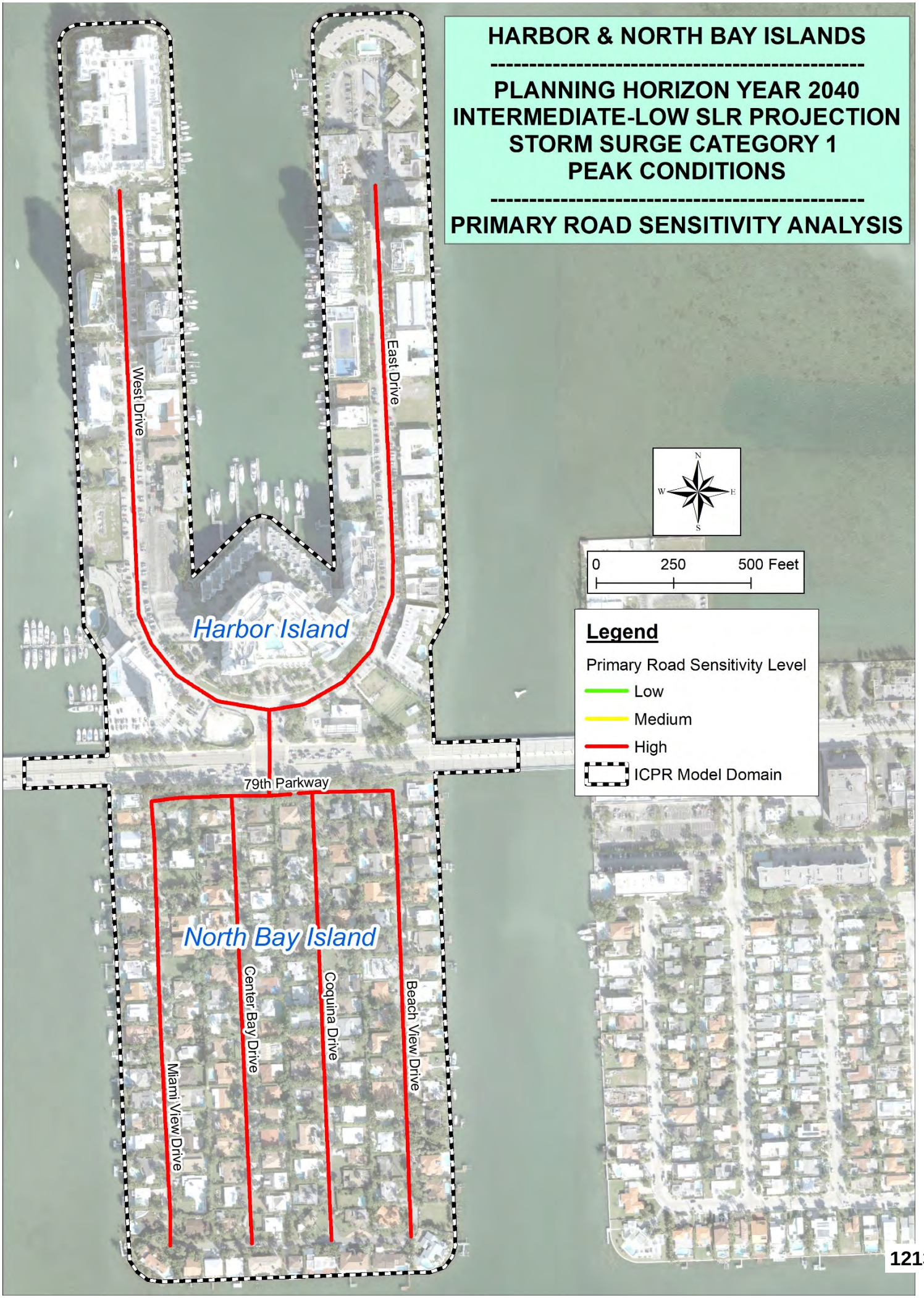

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

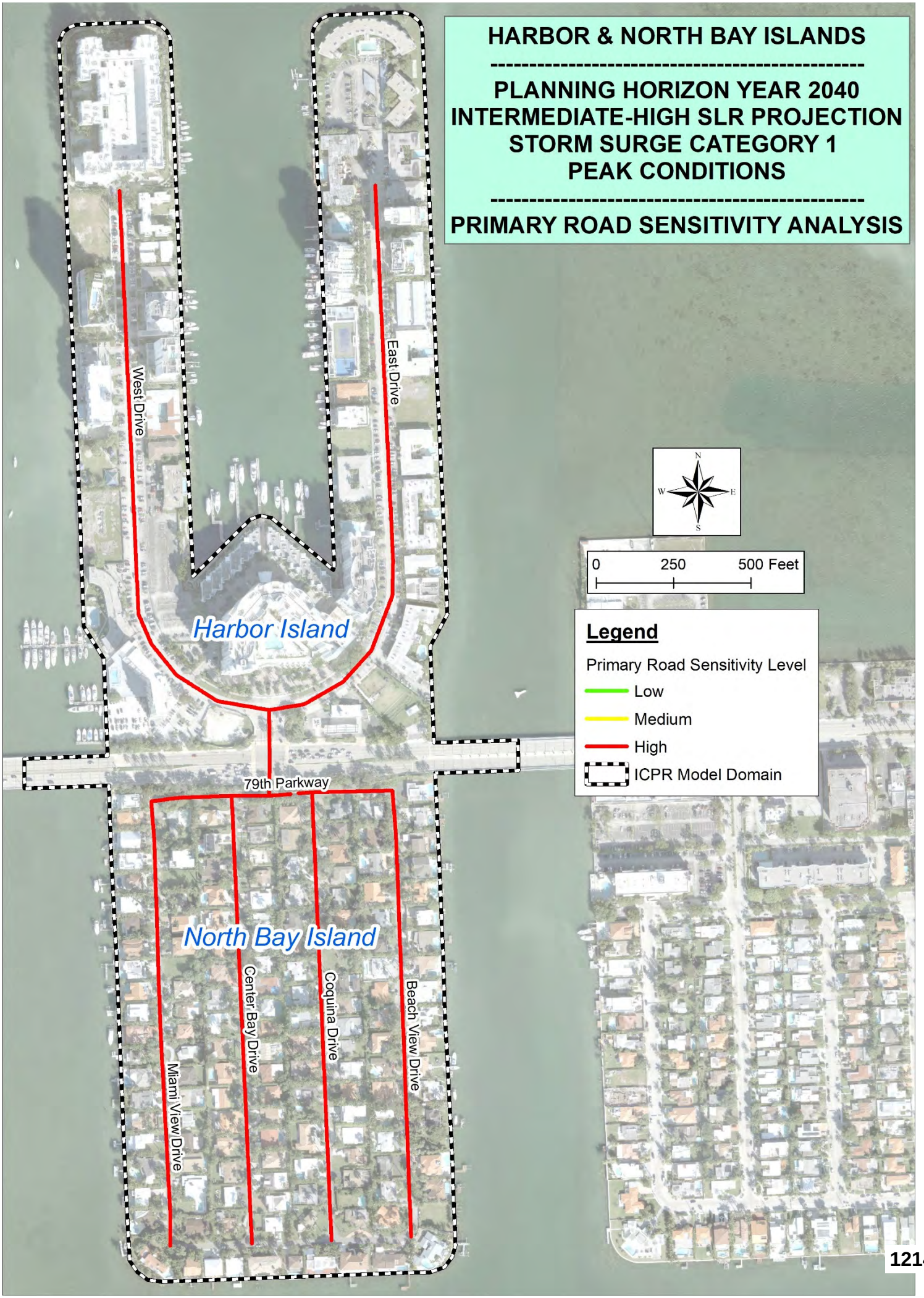
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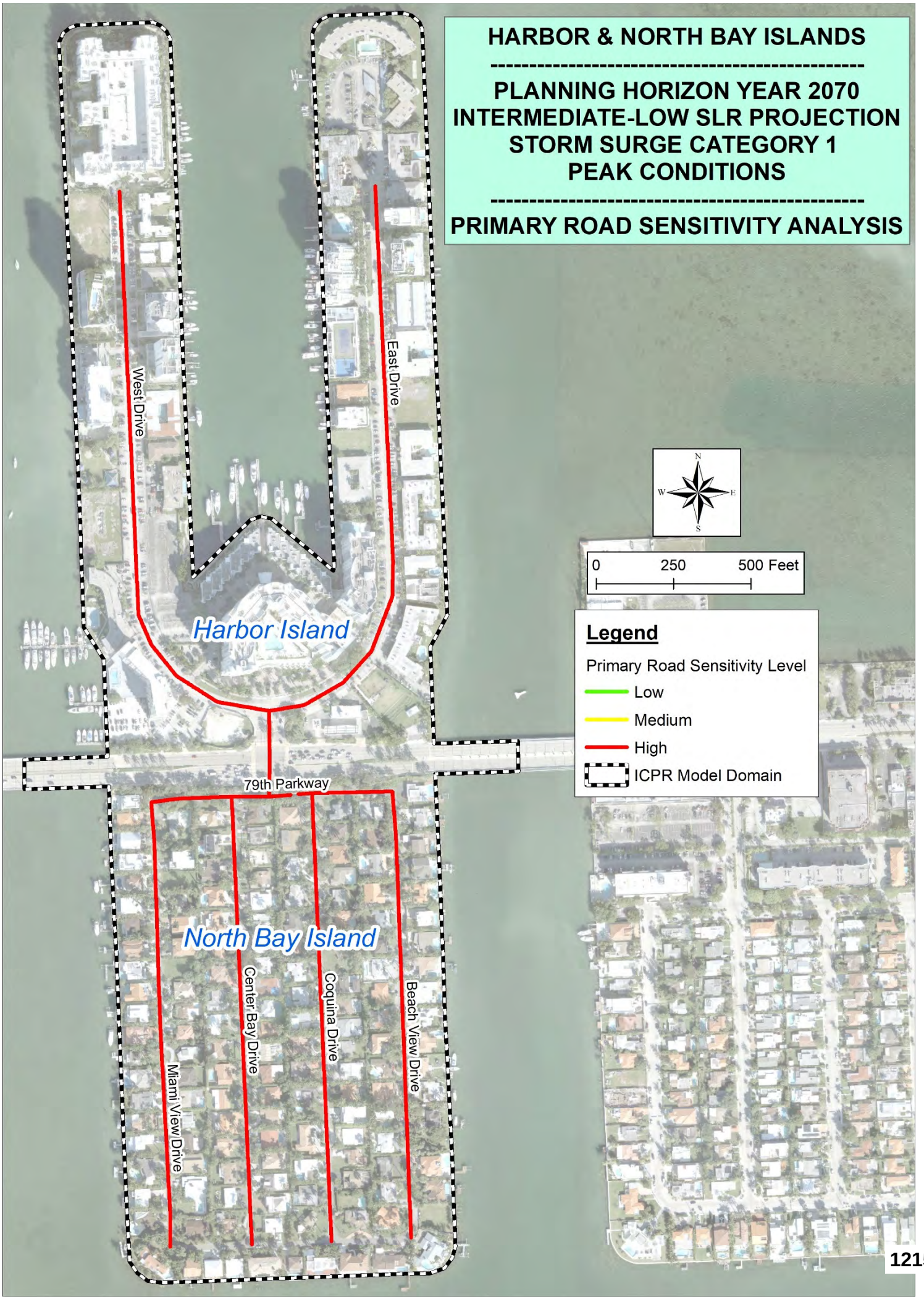

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

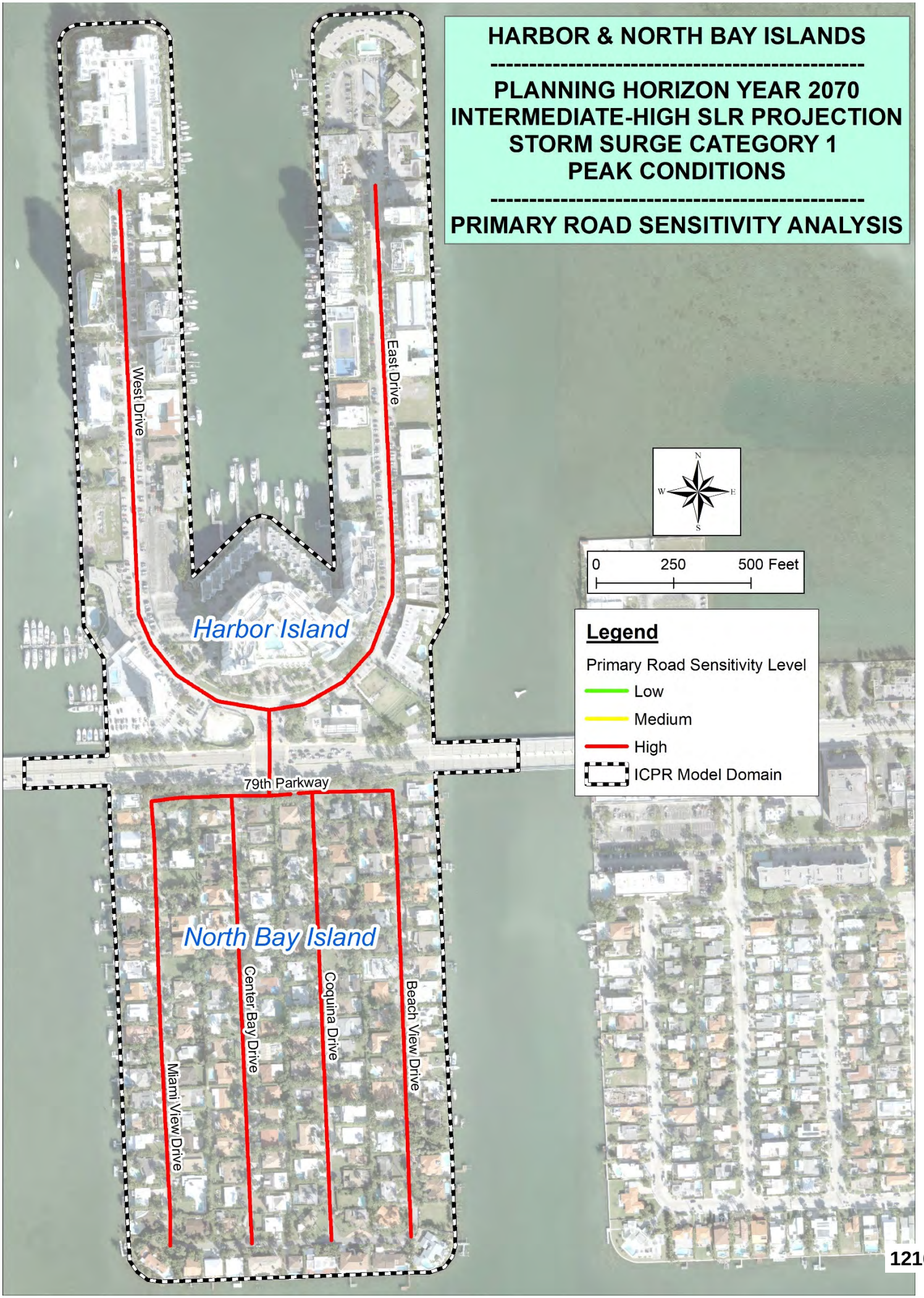

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

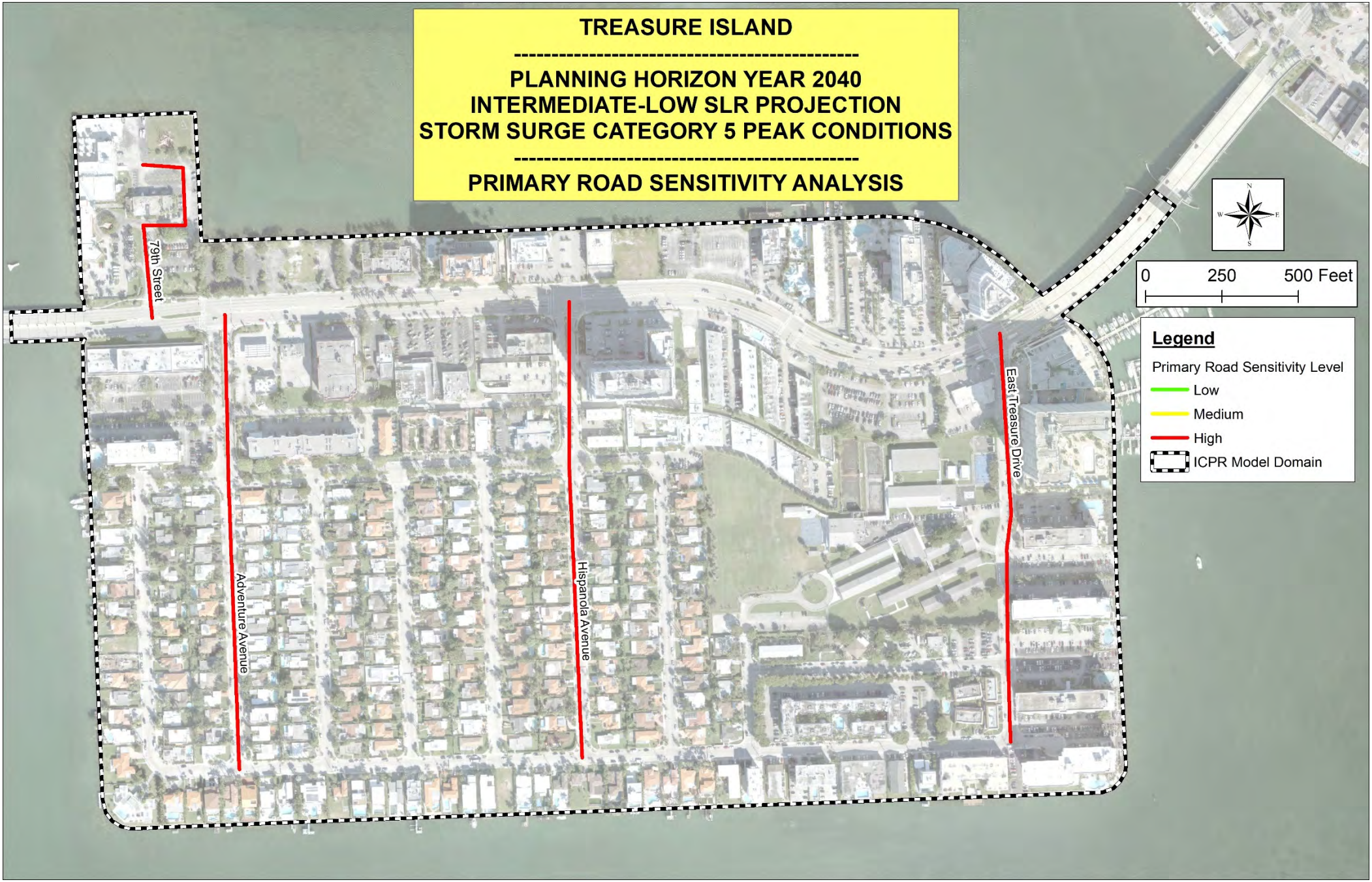

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

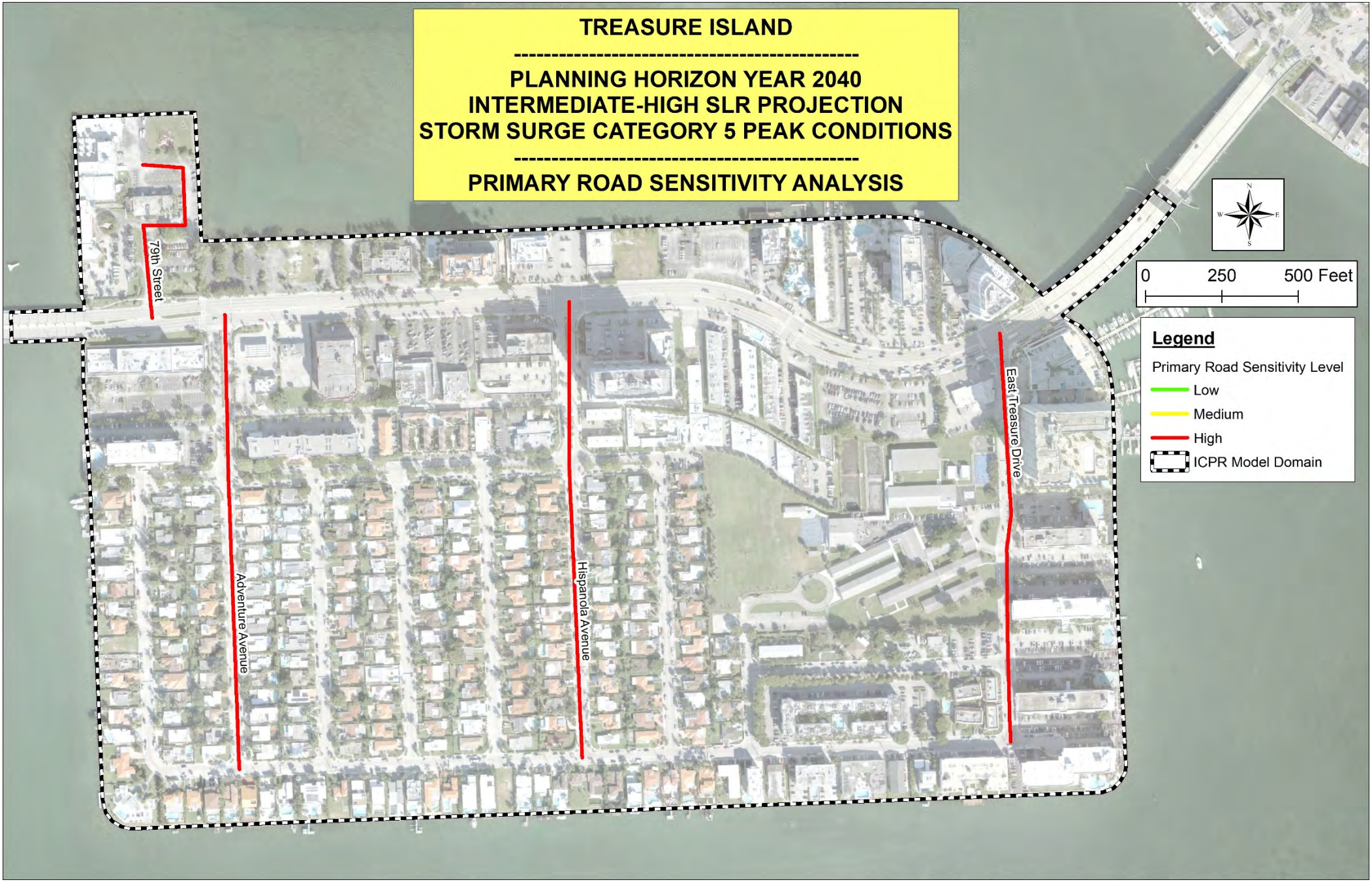

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

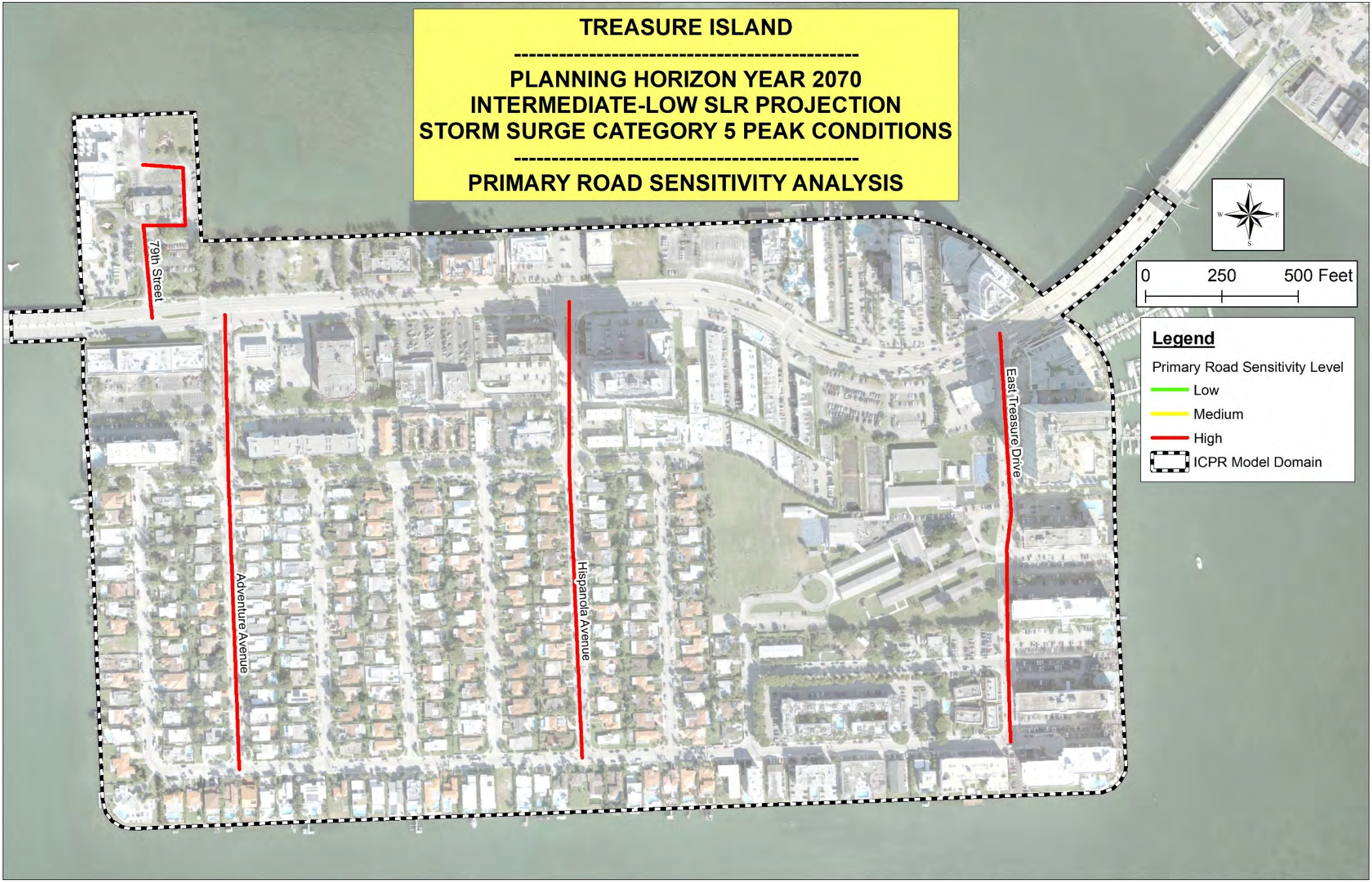

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

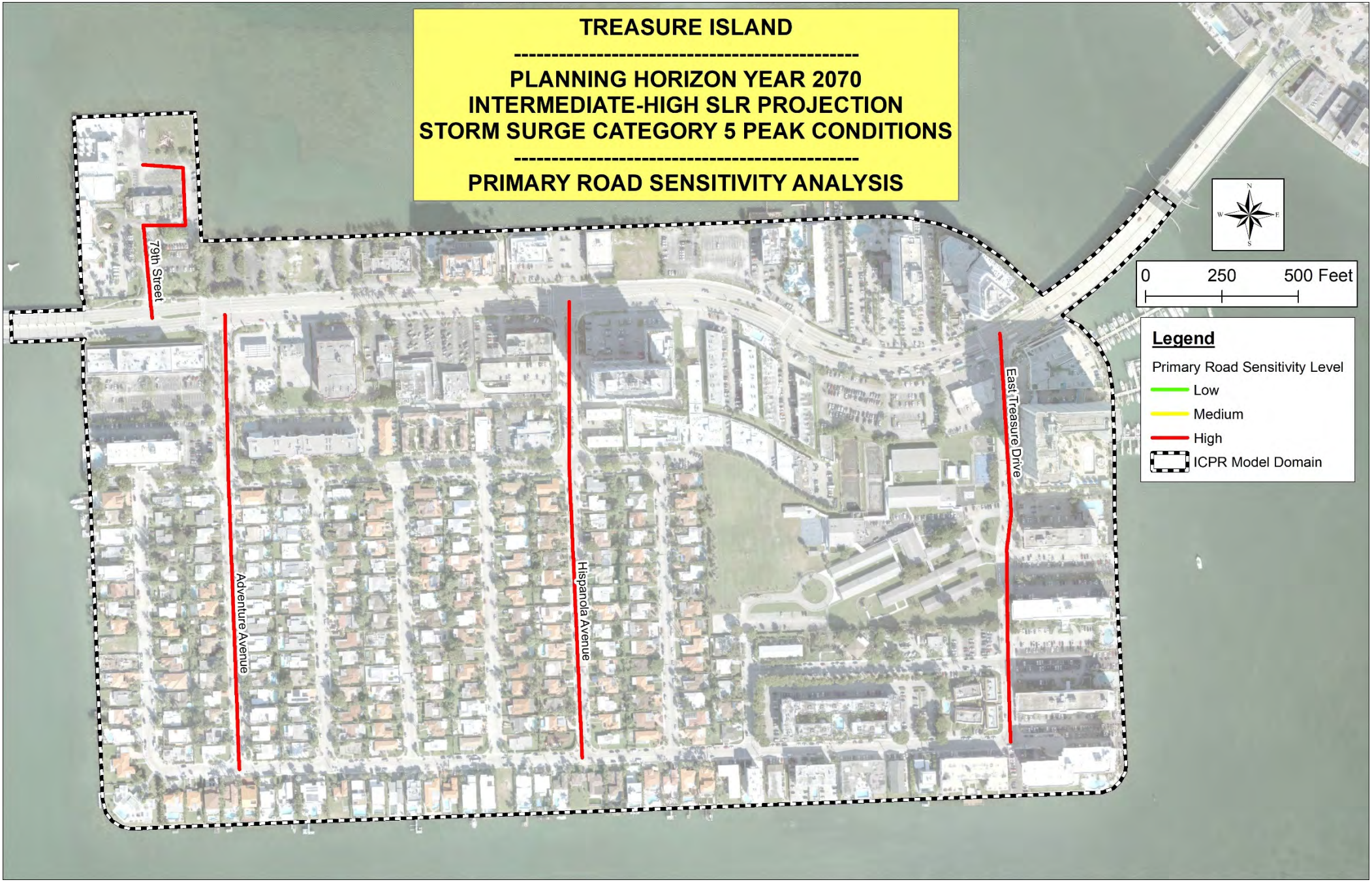
Appendix AF – Sensitivity Analysis Maps of the Primary Roads in TI and NBI & HI for Category 5 Storm Surge Conditions

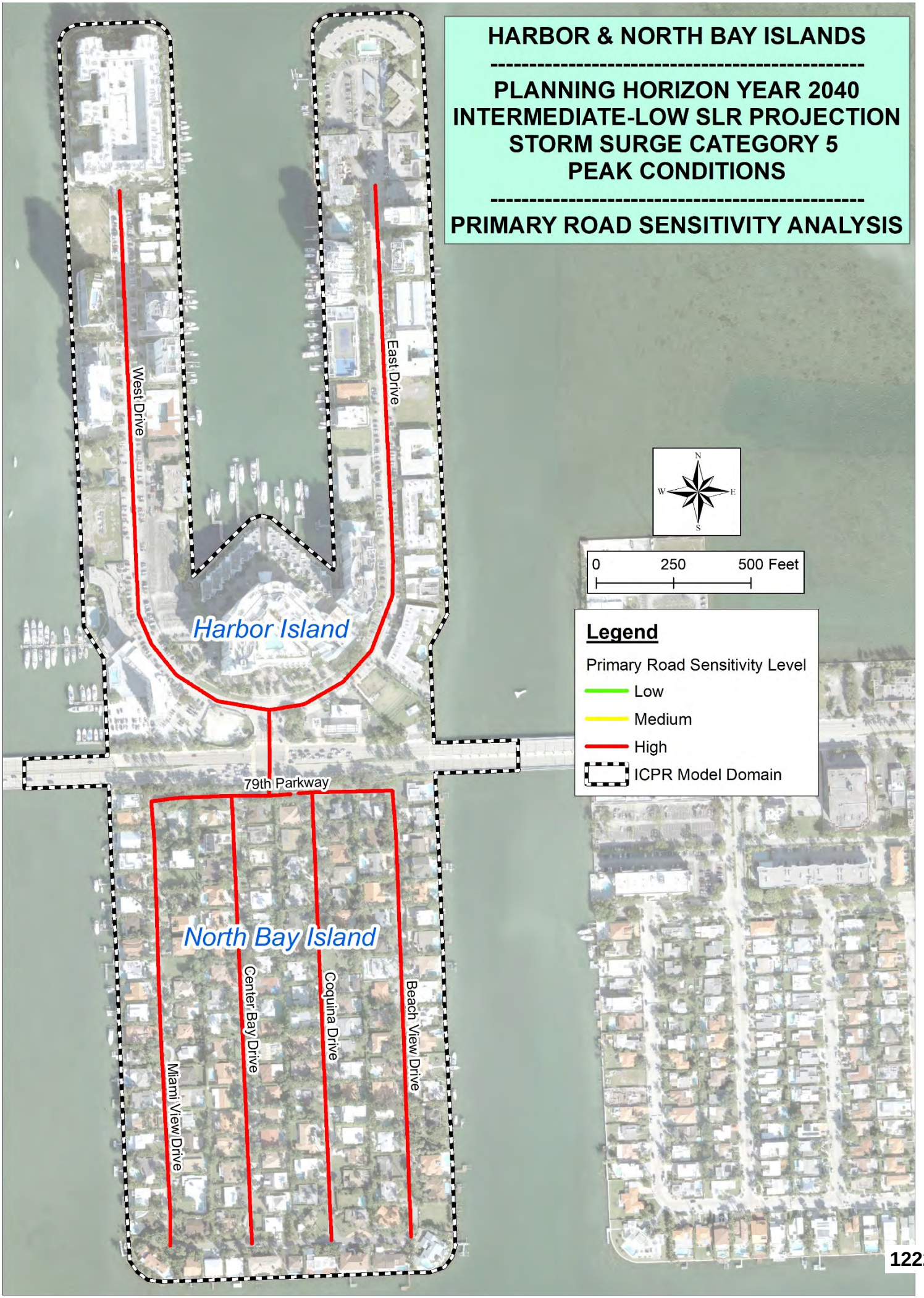

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

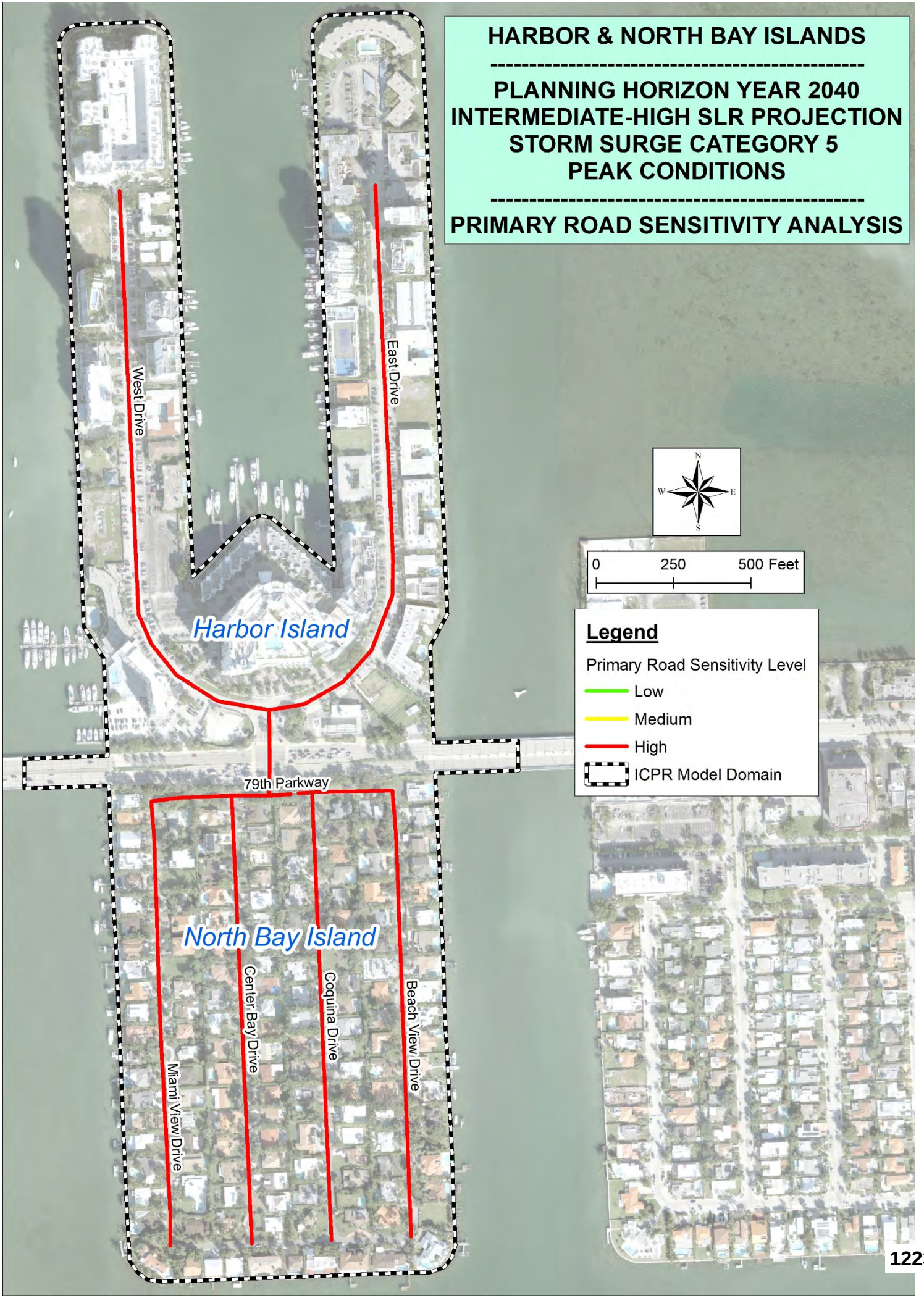
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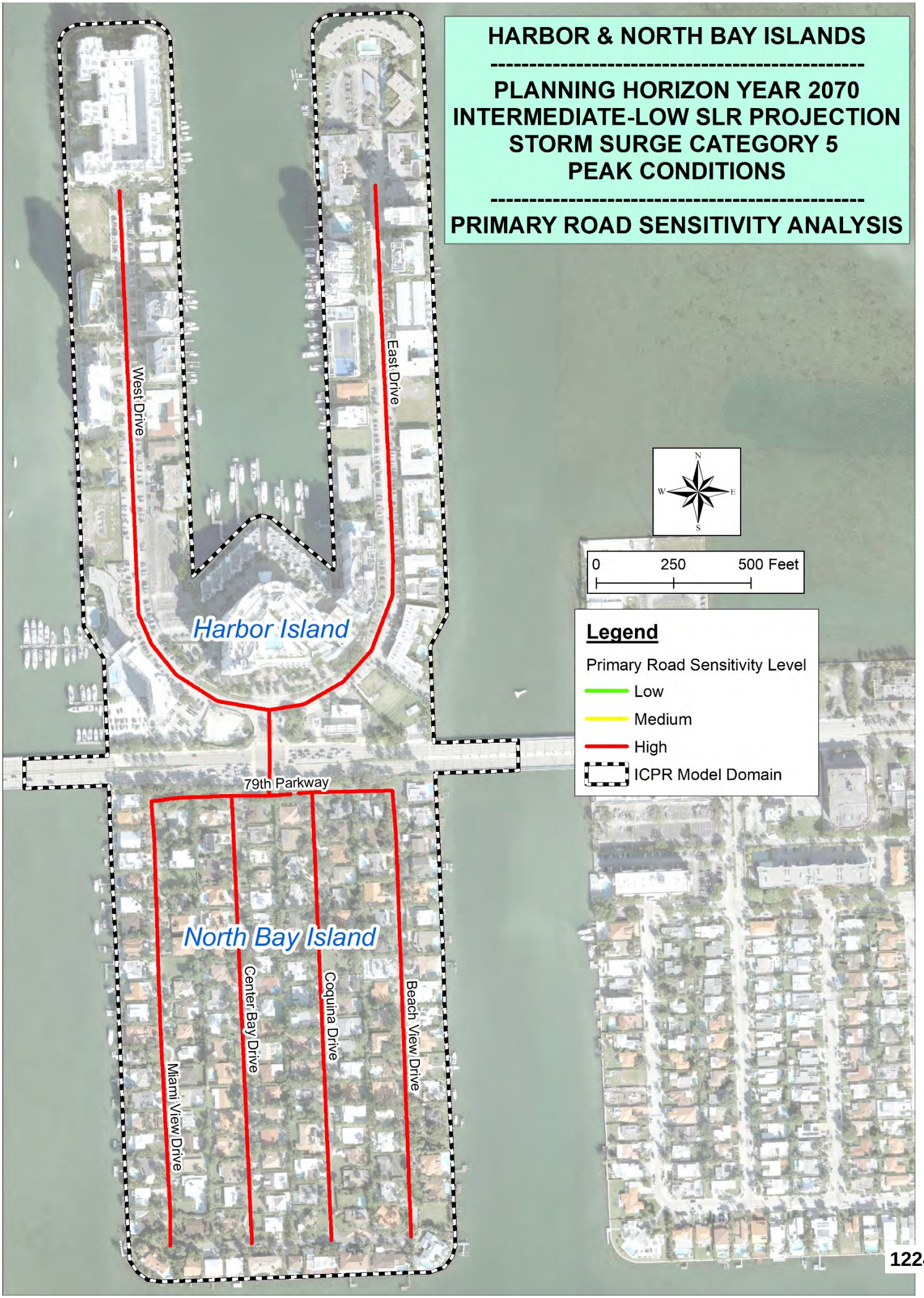

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

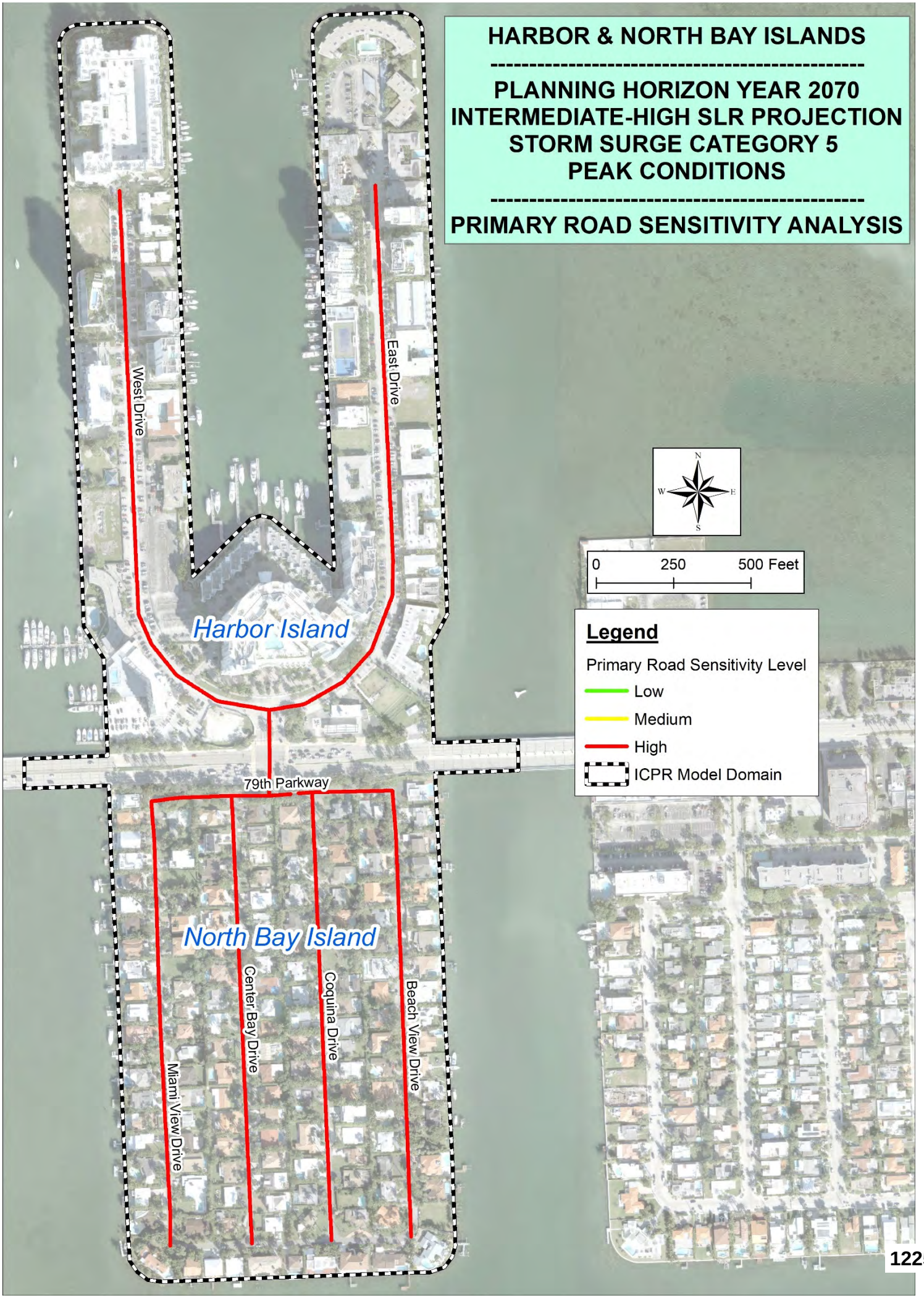

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
79th Street
Adventure Avenue
Hispanola Avenue
East Treasure Drive
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

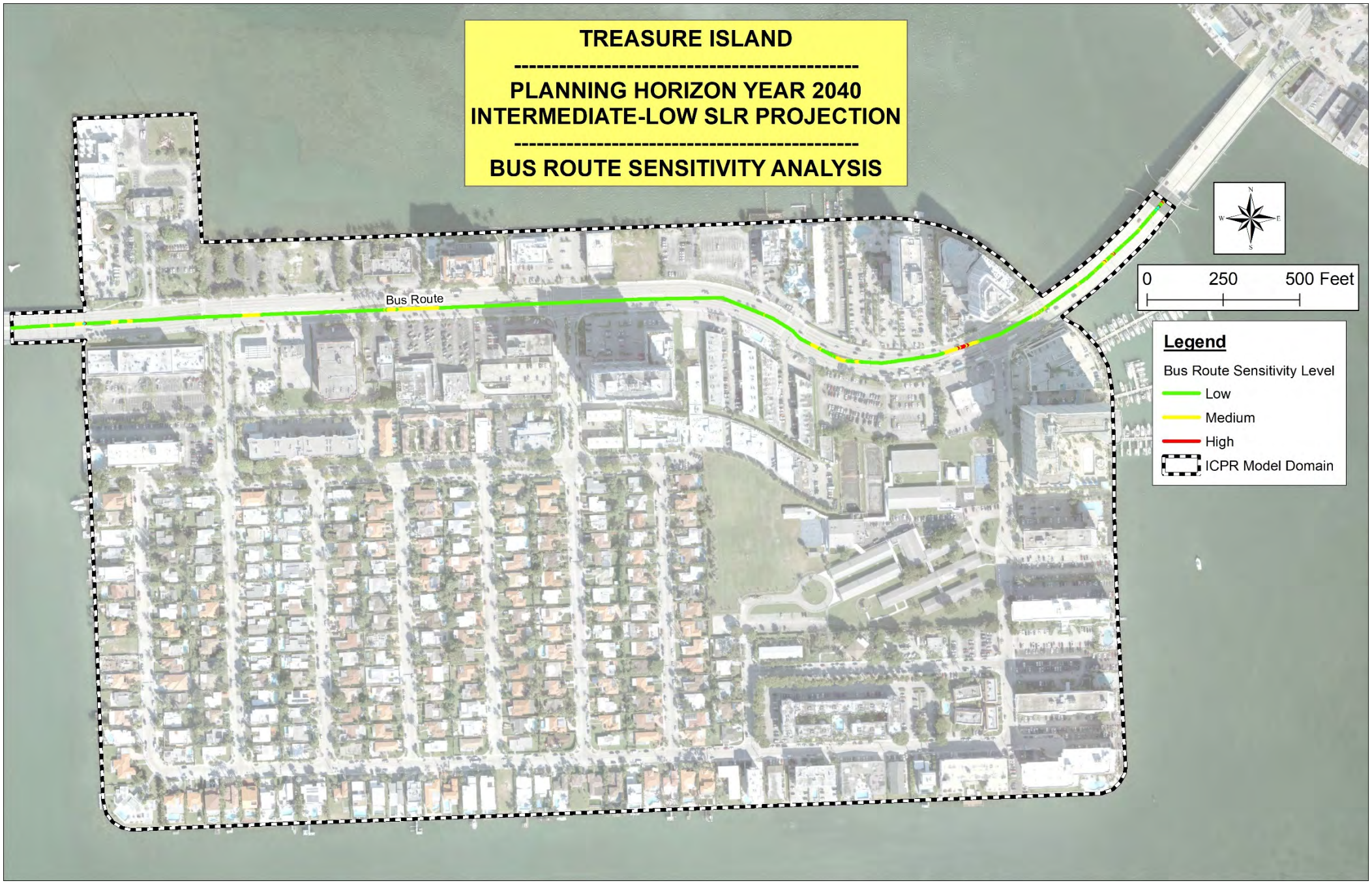

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

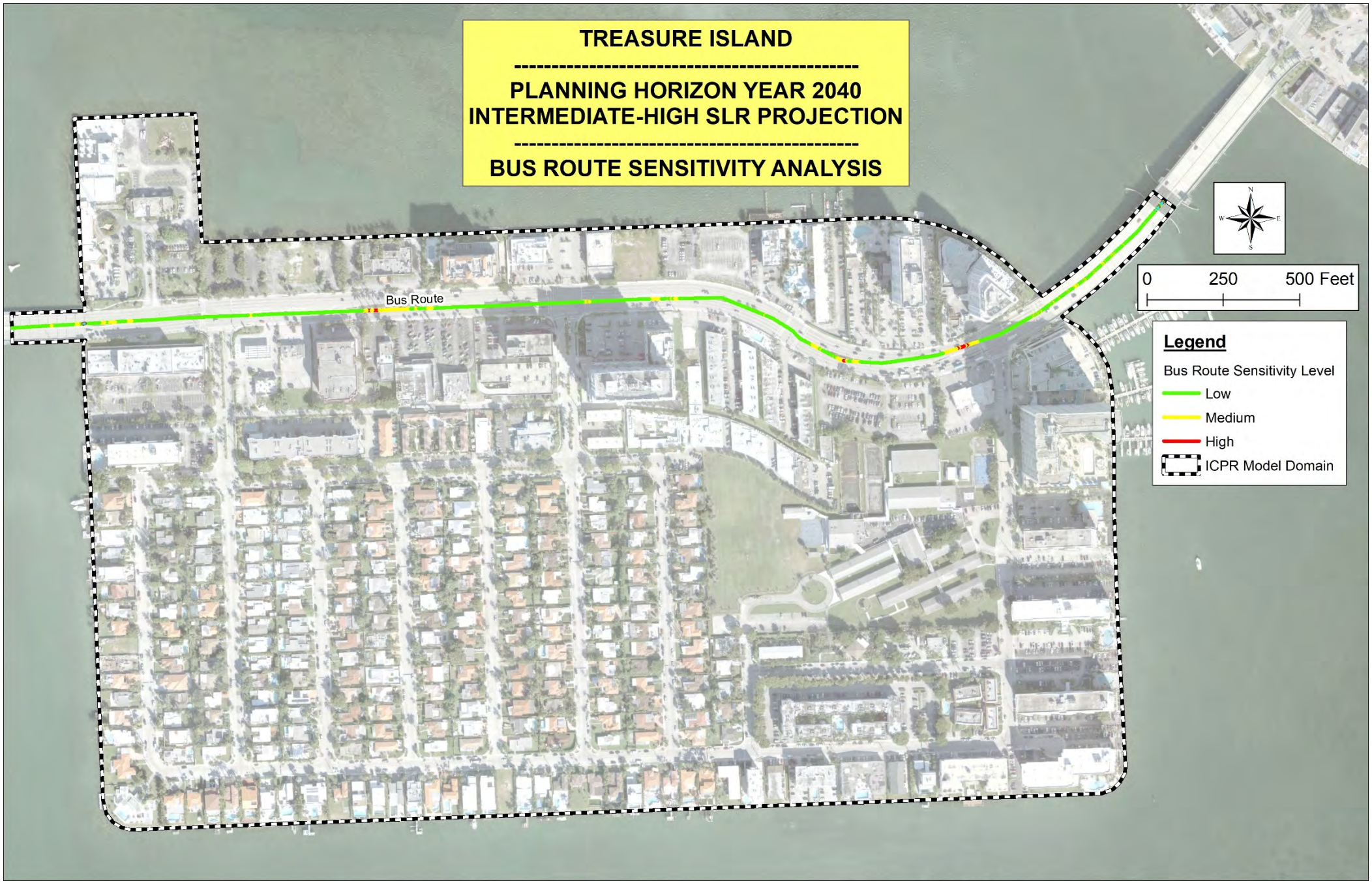

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

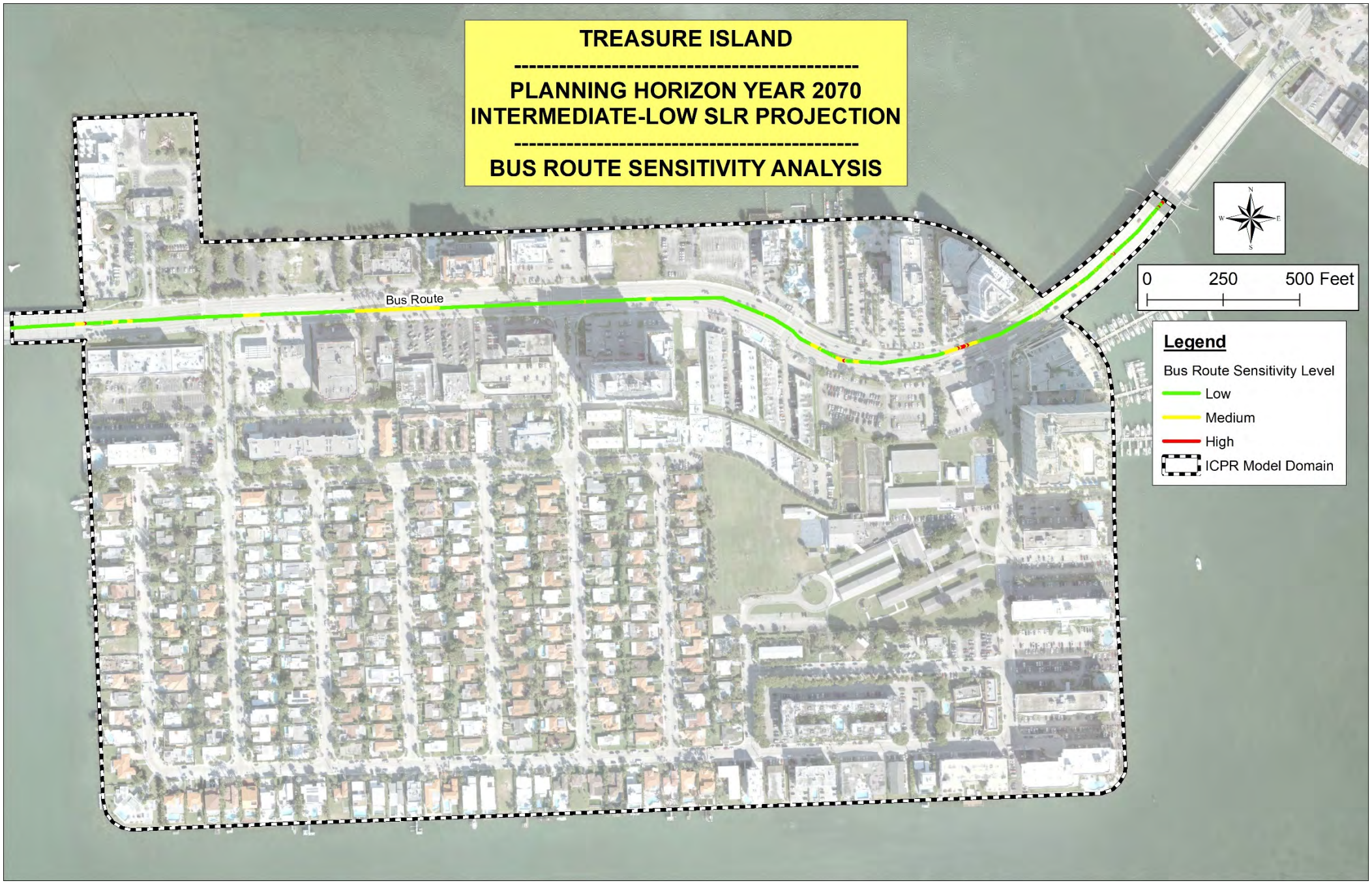

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

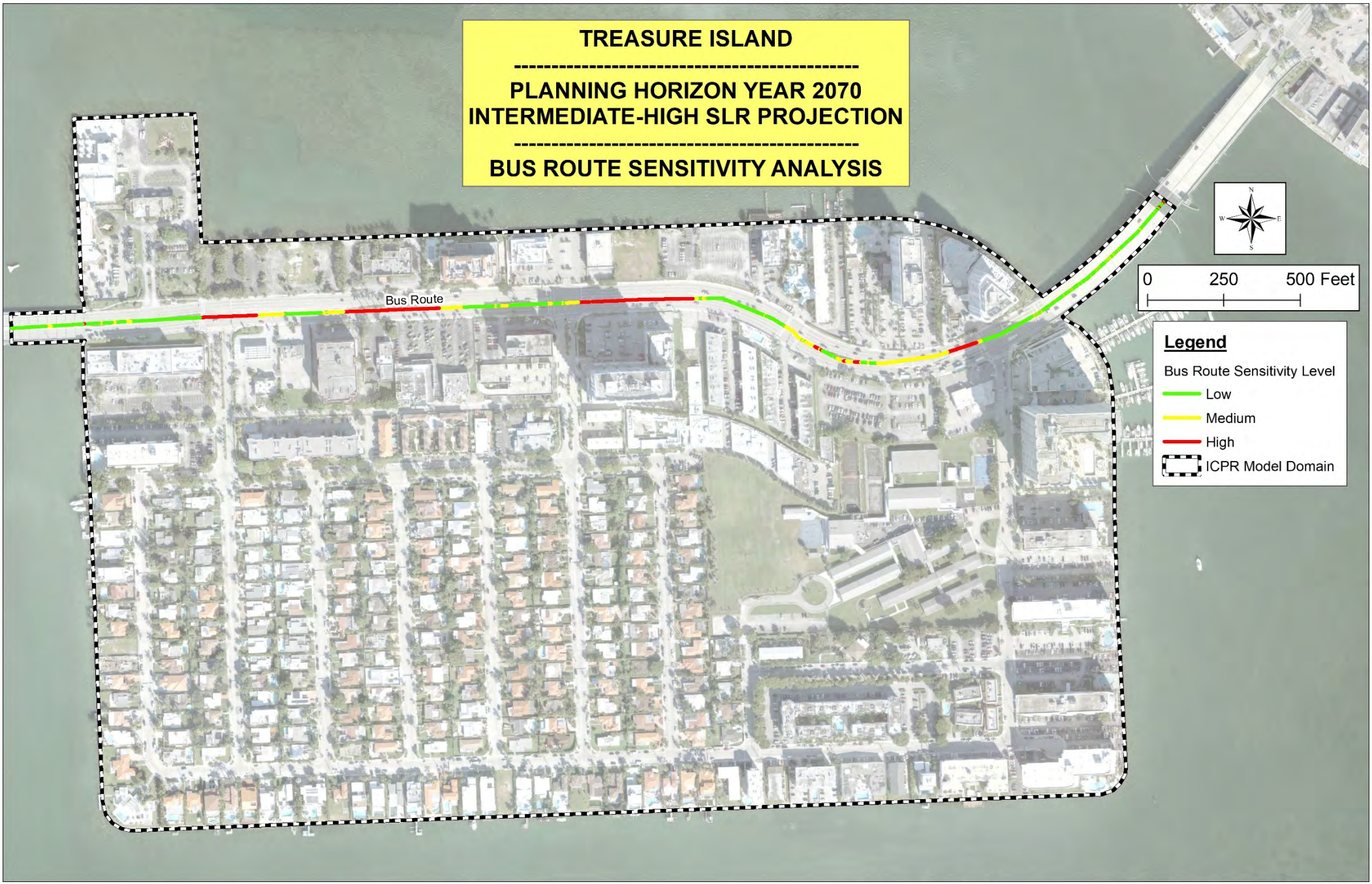

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
PRIMARY ROAD SENSITIVITY ANALYSIS
West Drive
East Drive
Harbor Island
79th Parkway
North Bay Island
Center Bay Drive
Coquina Drive
Beach View Drive
Miami View Drive
N
W
E
S
0
250
500 Feet
Legend
Primary Road Sensitivity Level
Low
Medium
High
ICPR Model Domain

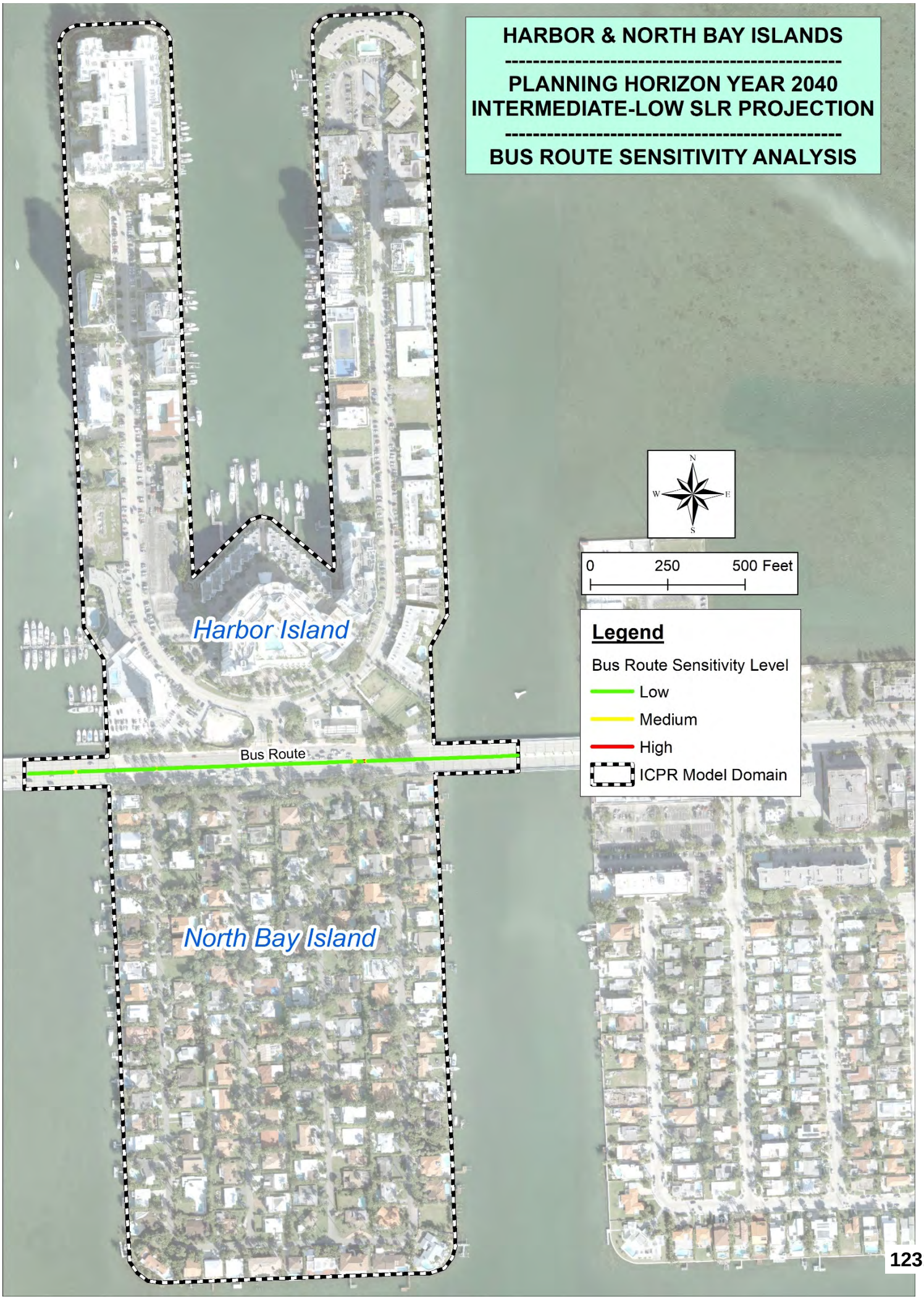
Appendix AG – Sensitivity Analysis Maps of the Bus Routes in TI and NBI & HI under Sea-level Rise Scenarios

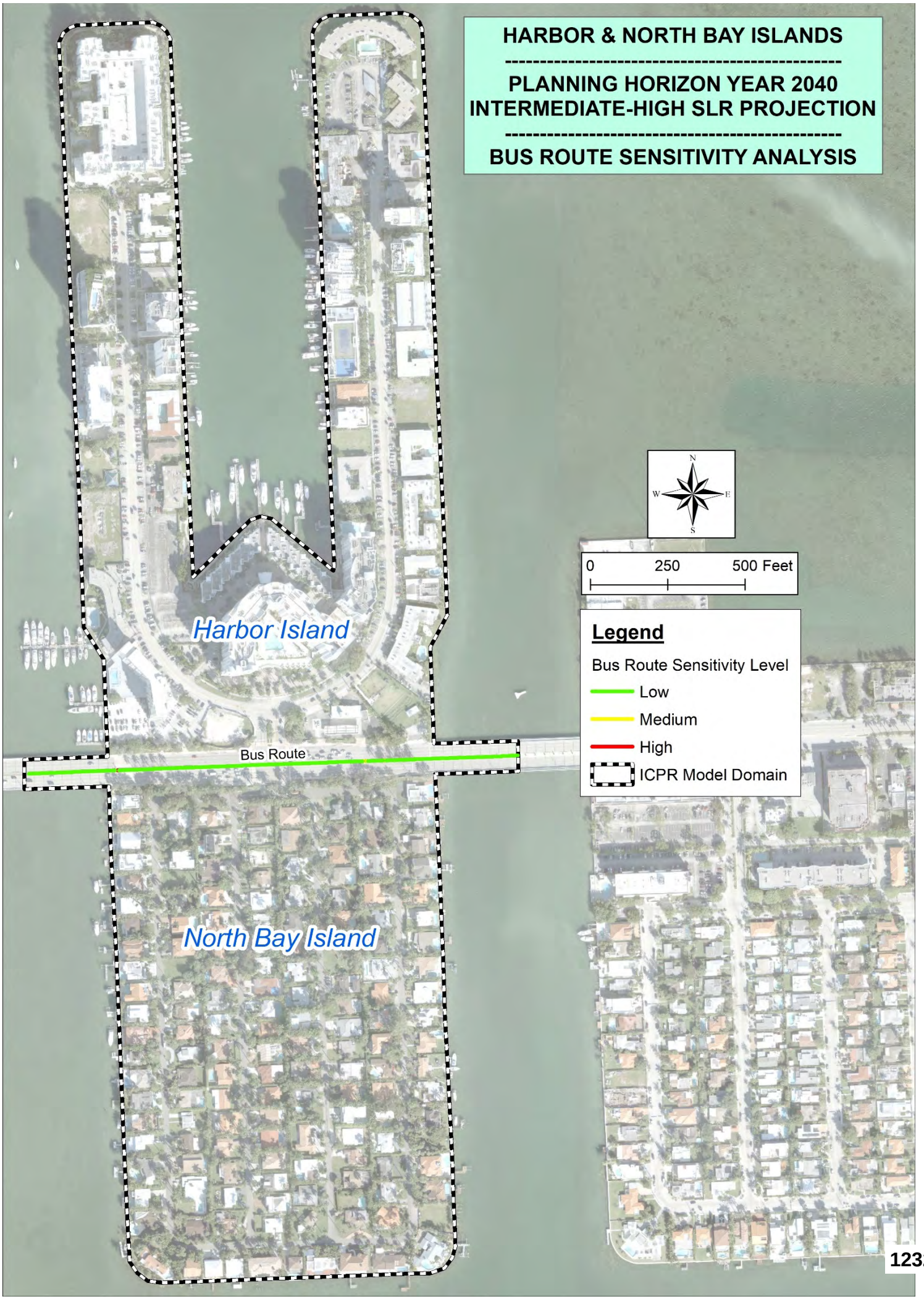

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

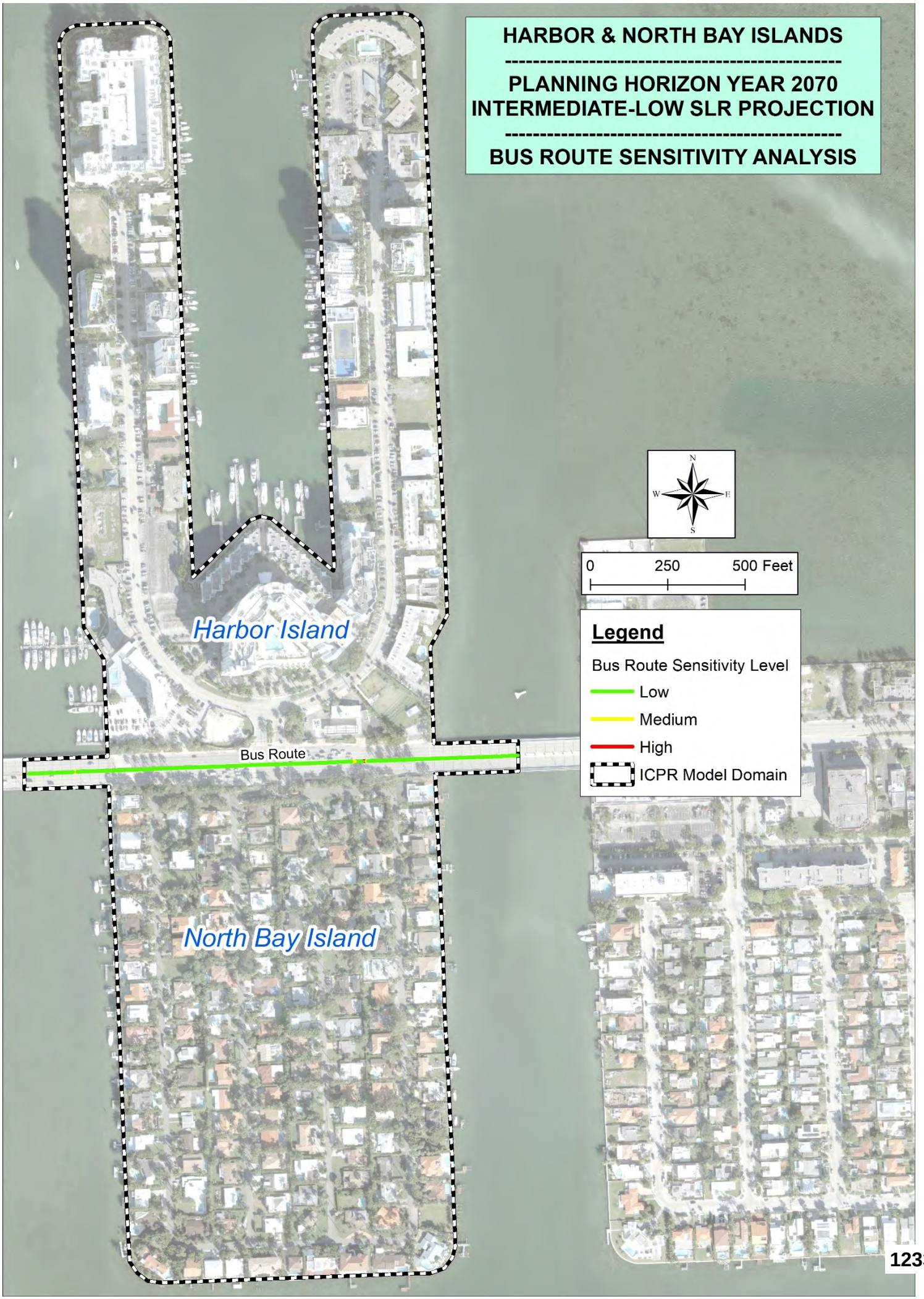

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

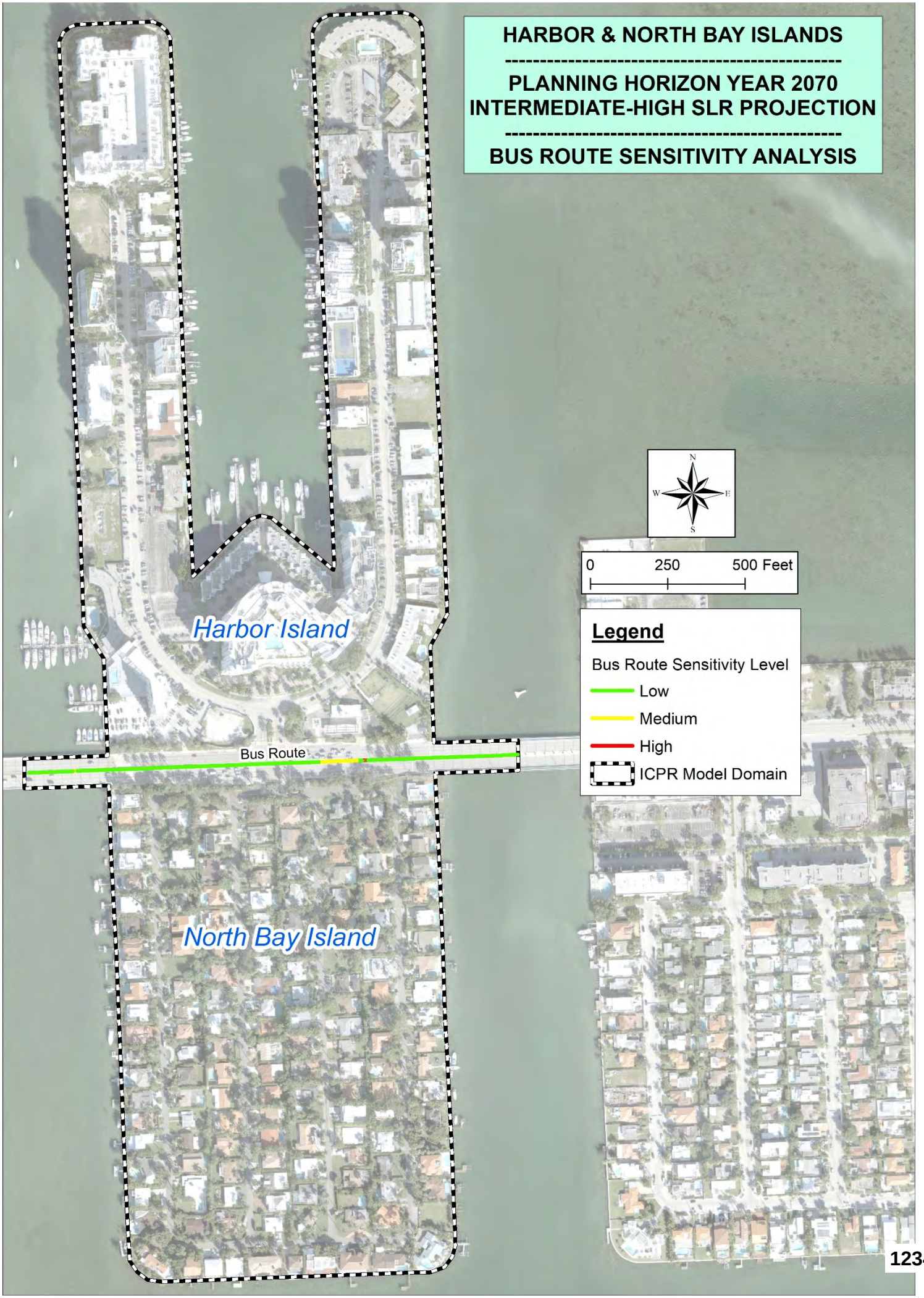

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

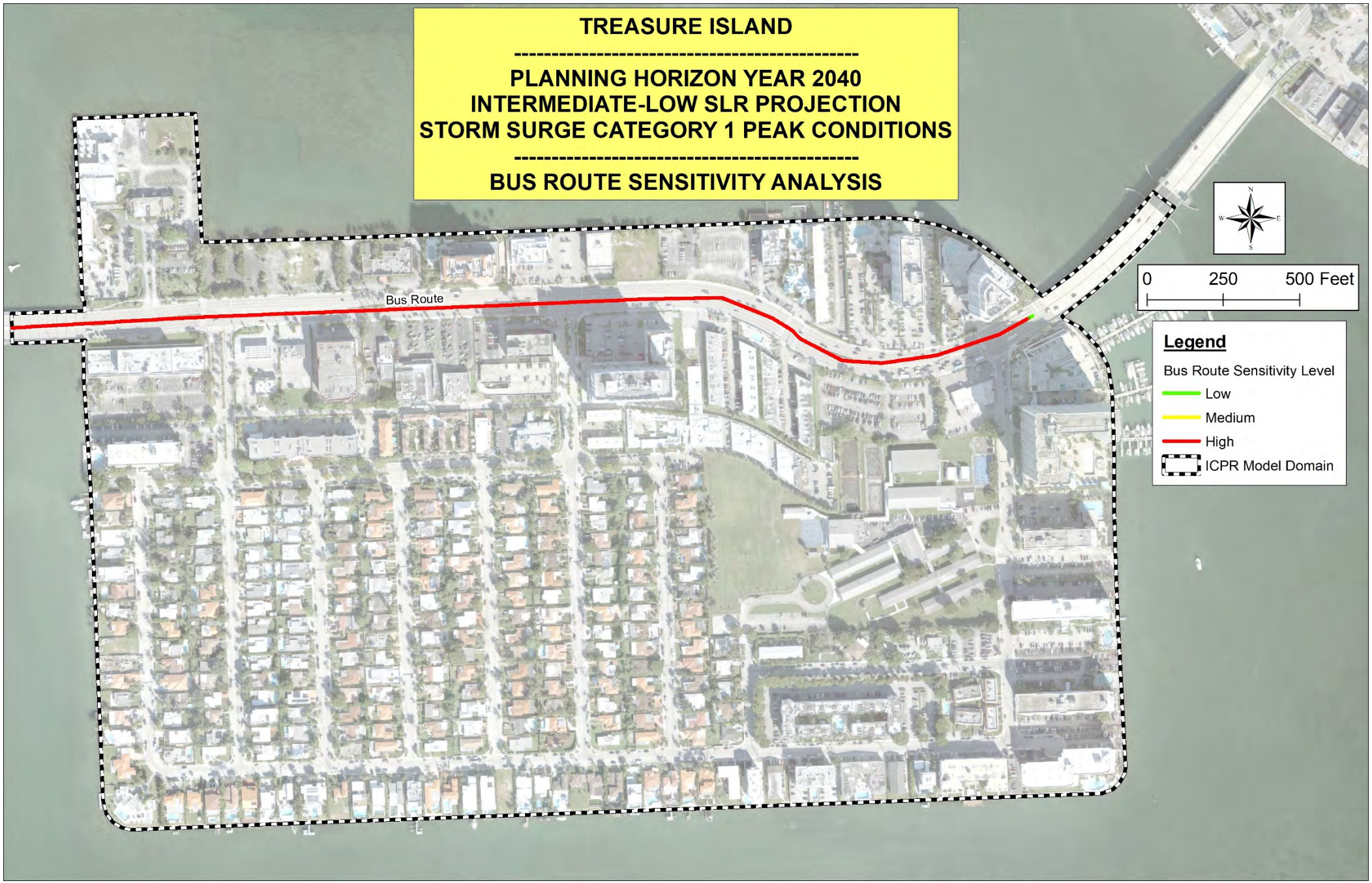

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain
Harbor Island
Bus Route
North Bay Island


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain
Harbor Island
Bus Route
North Bay Island

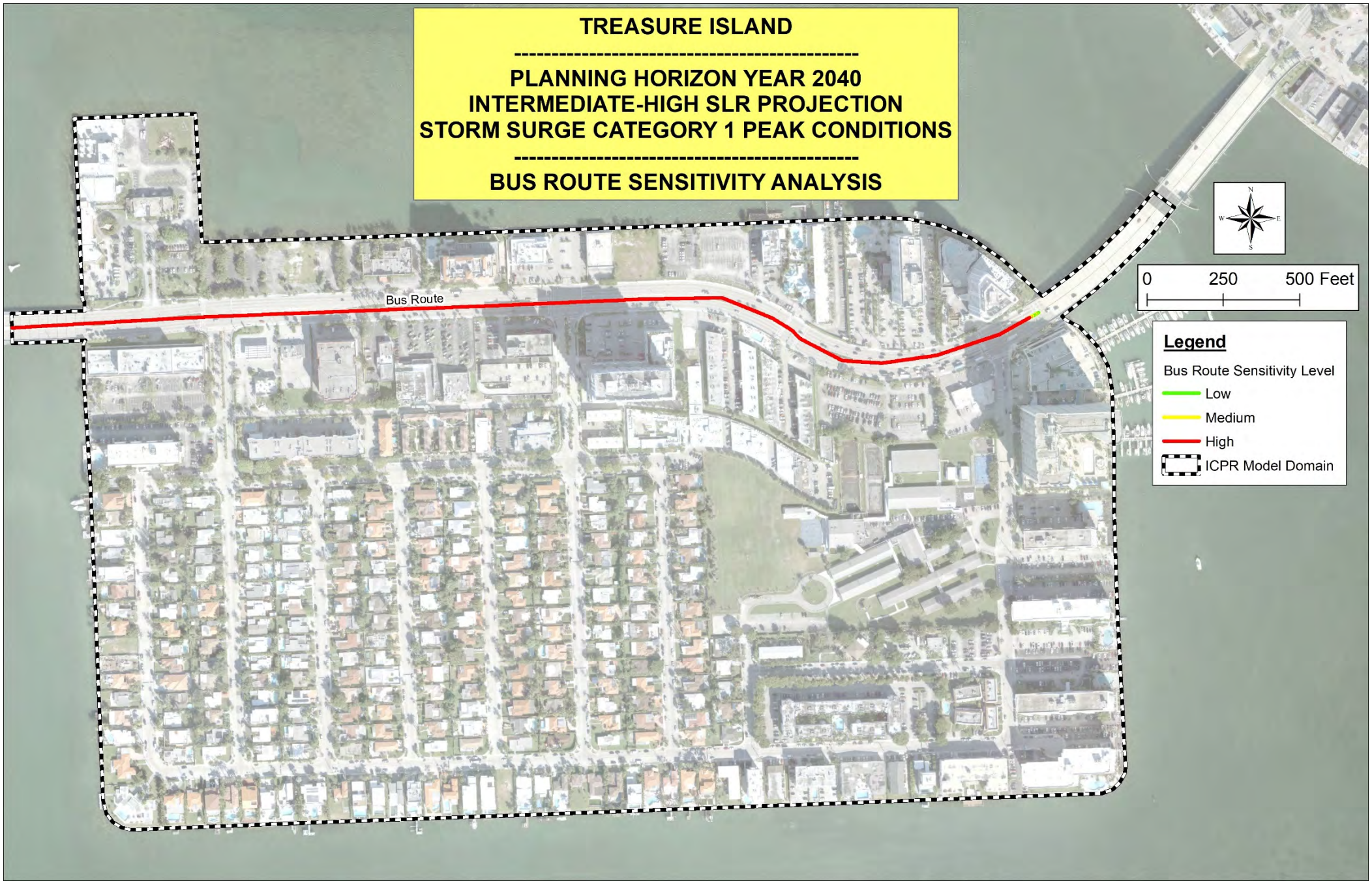

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

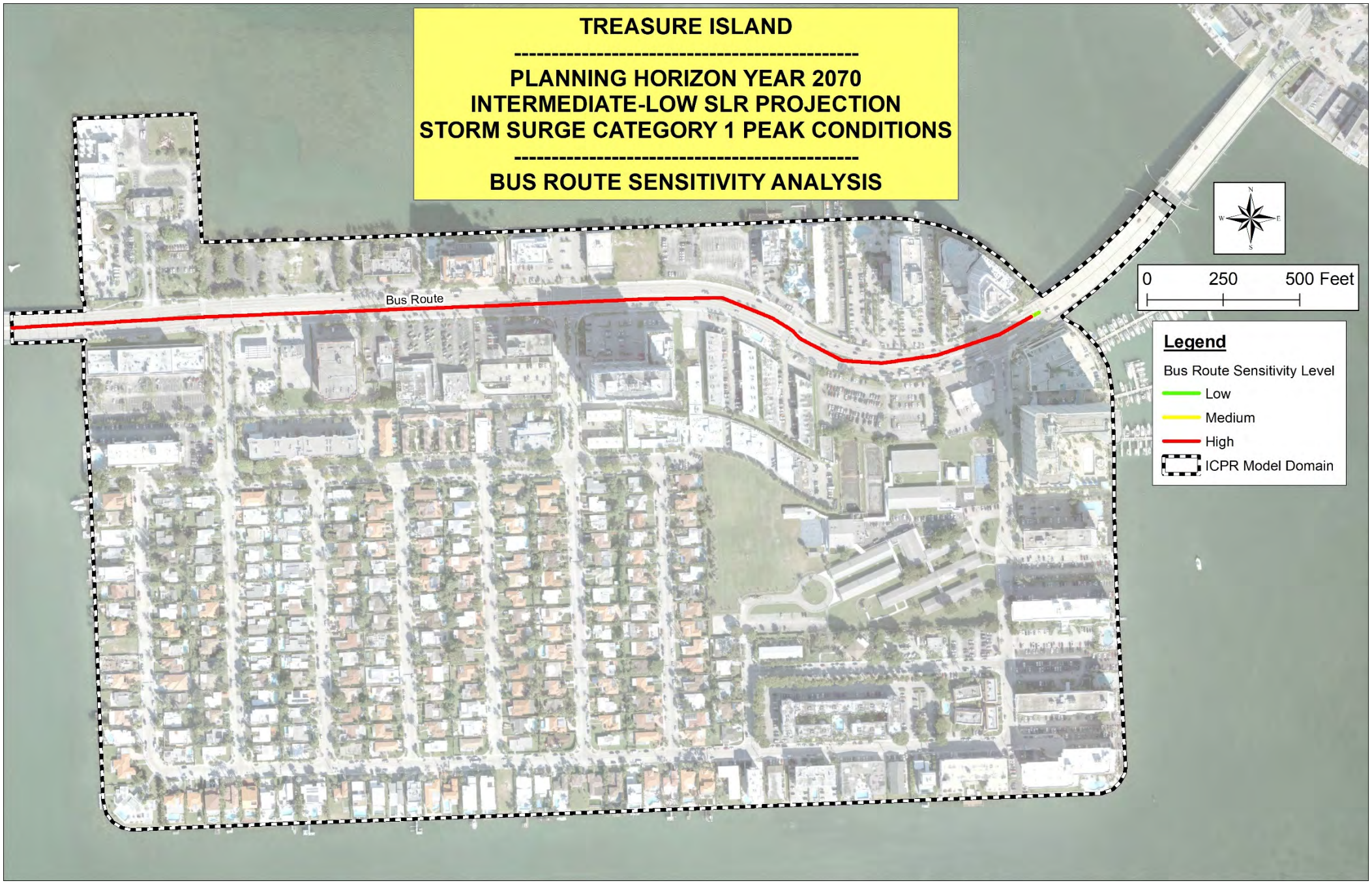

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

Appendix AH – Sensitivity Analysis Maps of the Bus Routes in TI and NBI & HI for Category 1 Storm Surge Conditions

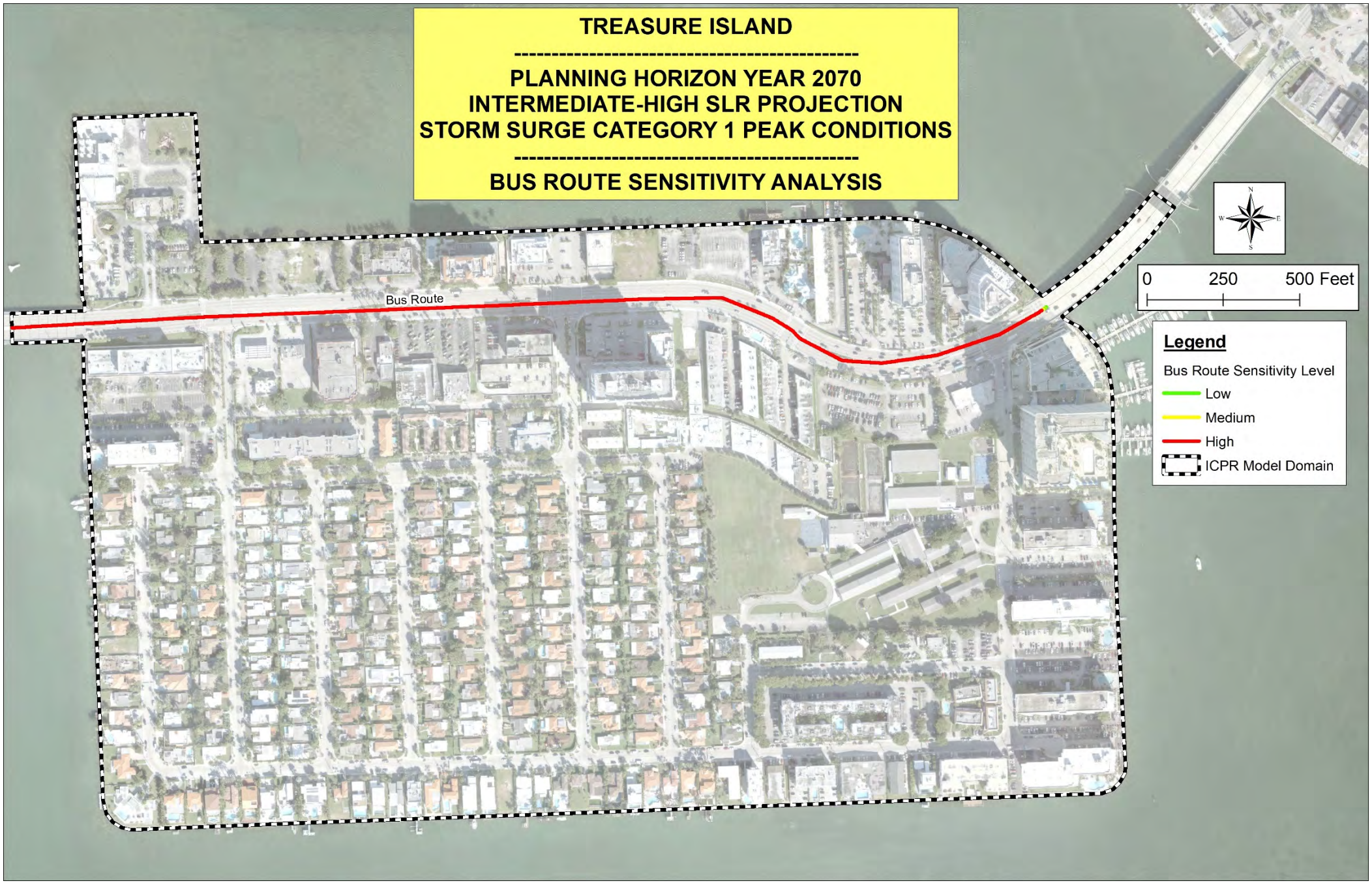

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

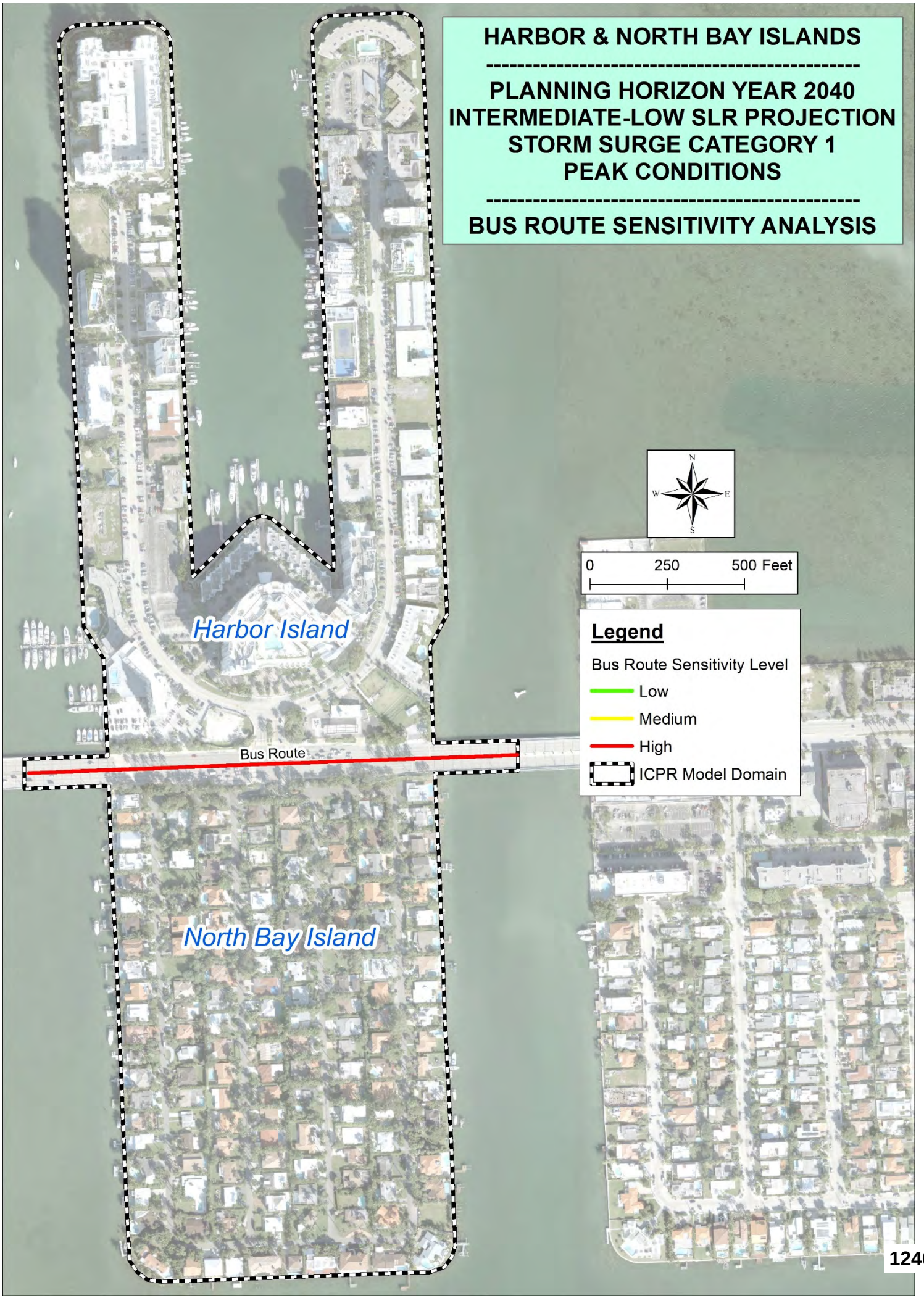
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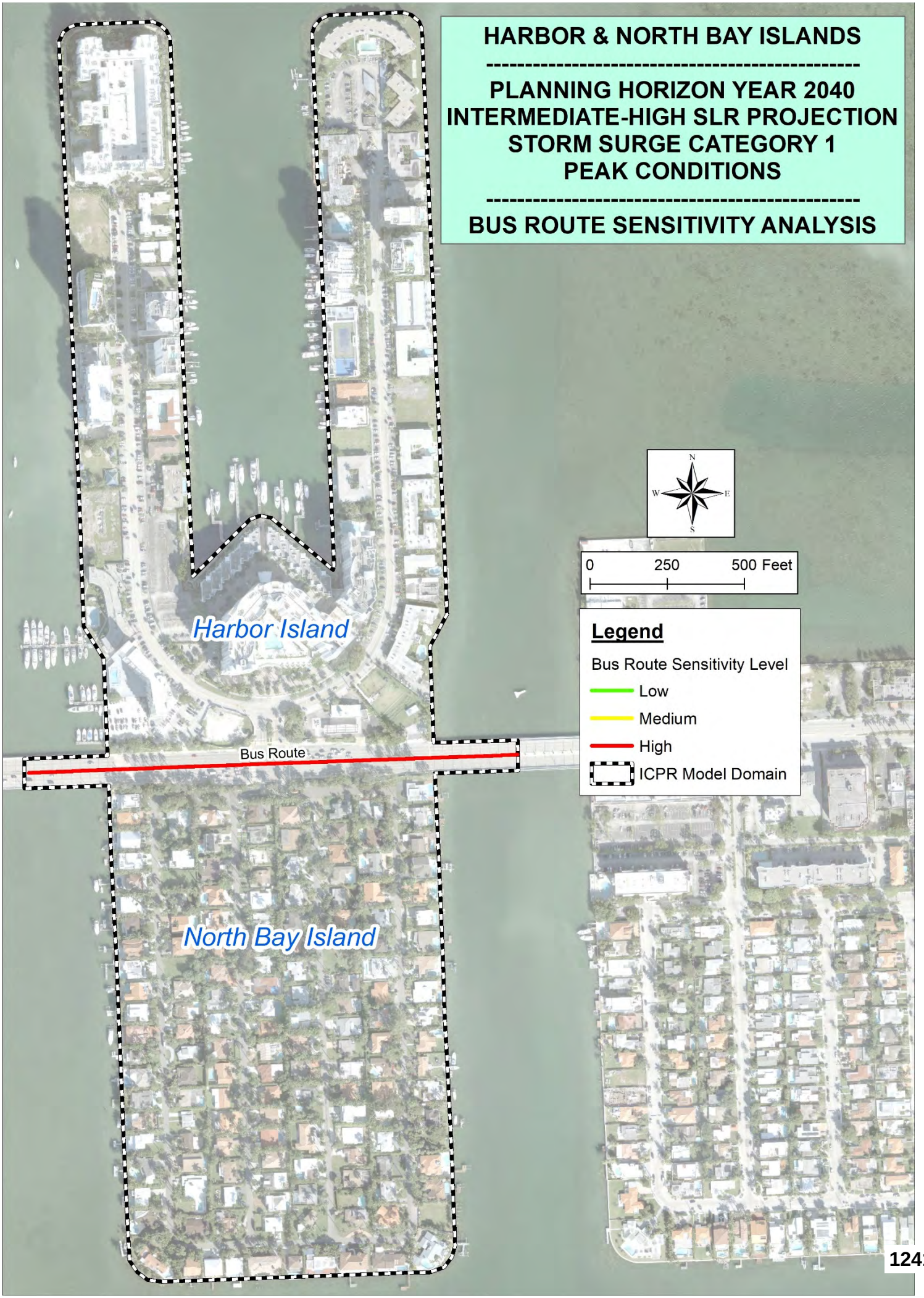

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

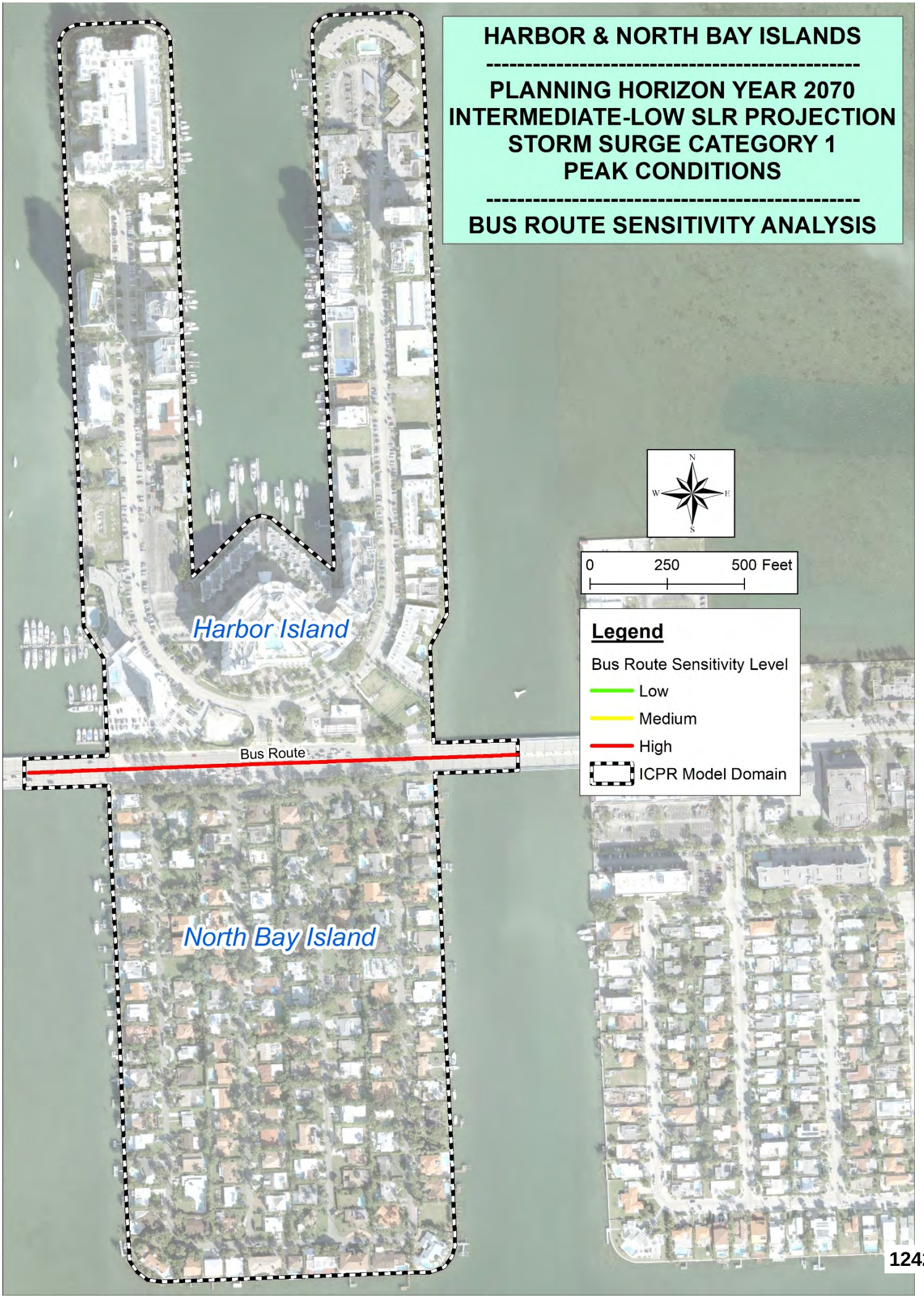

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

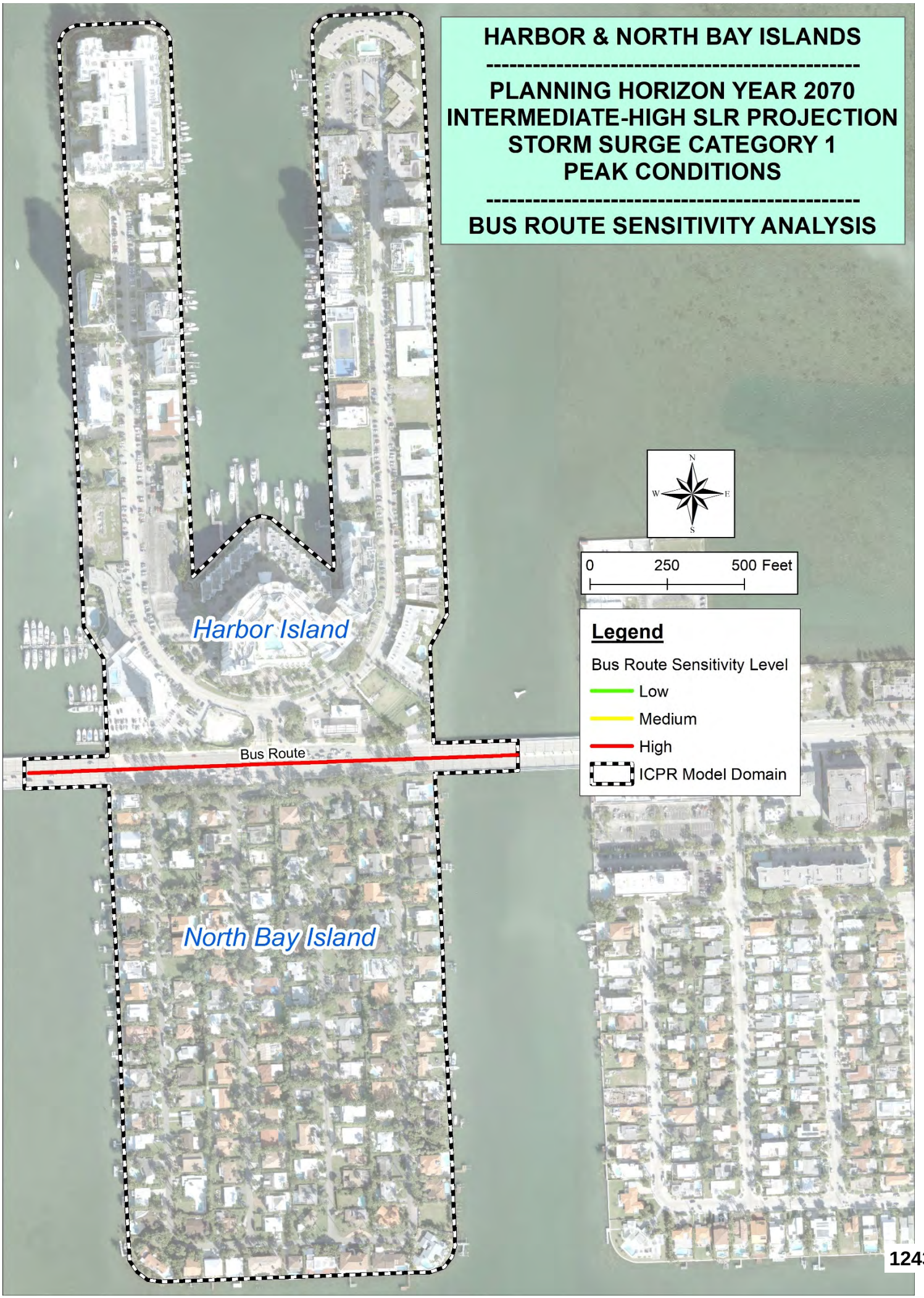
1238


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

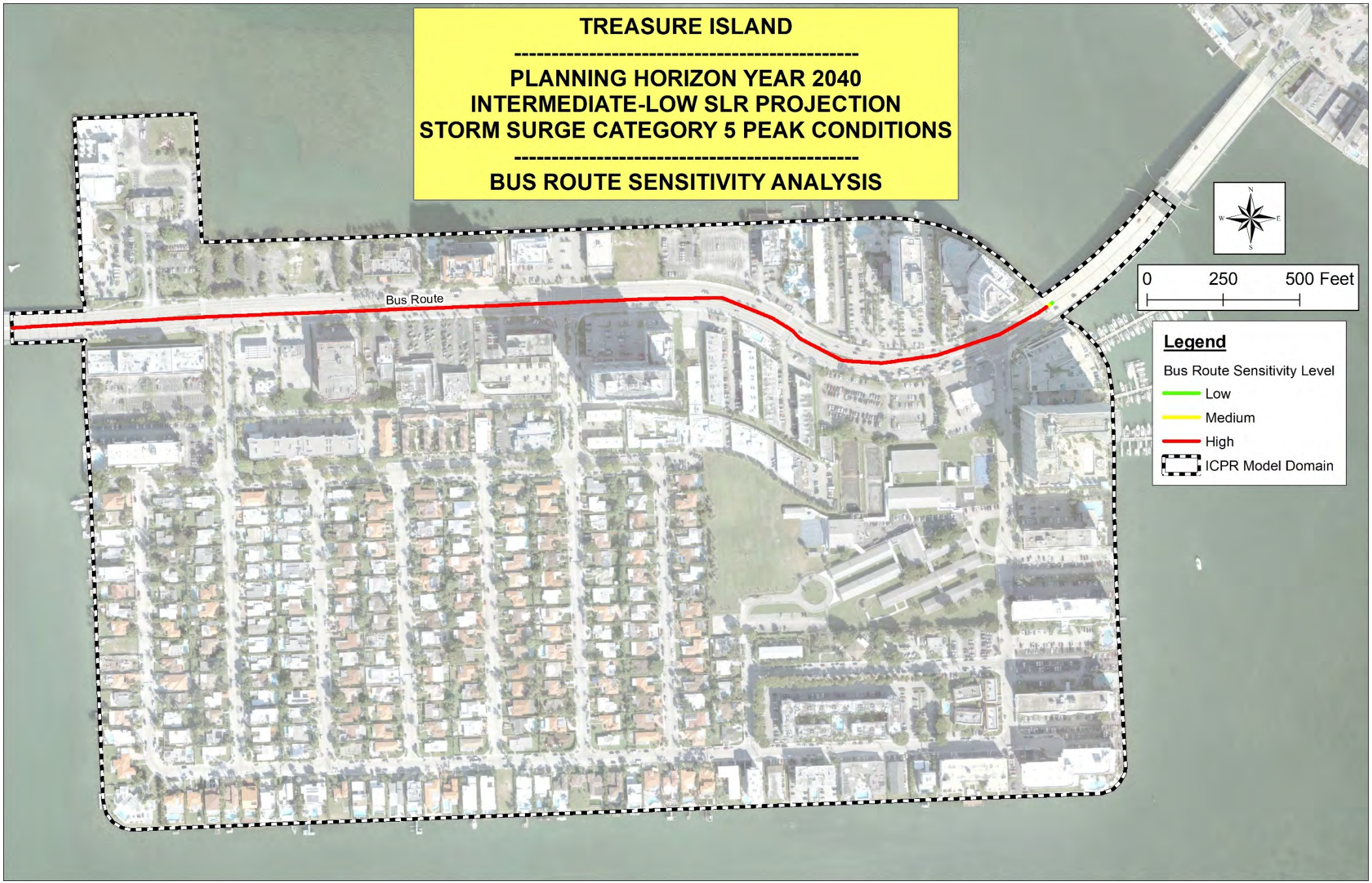

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

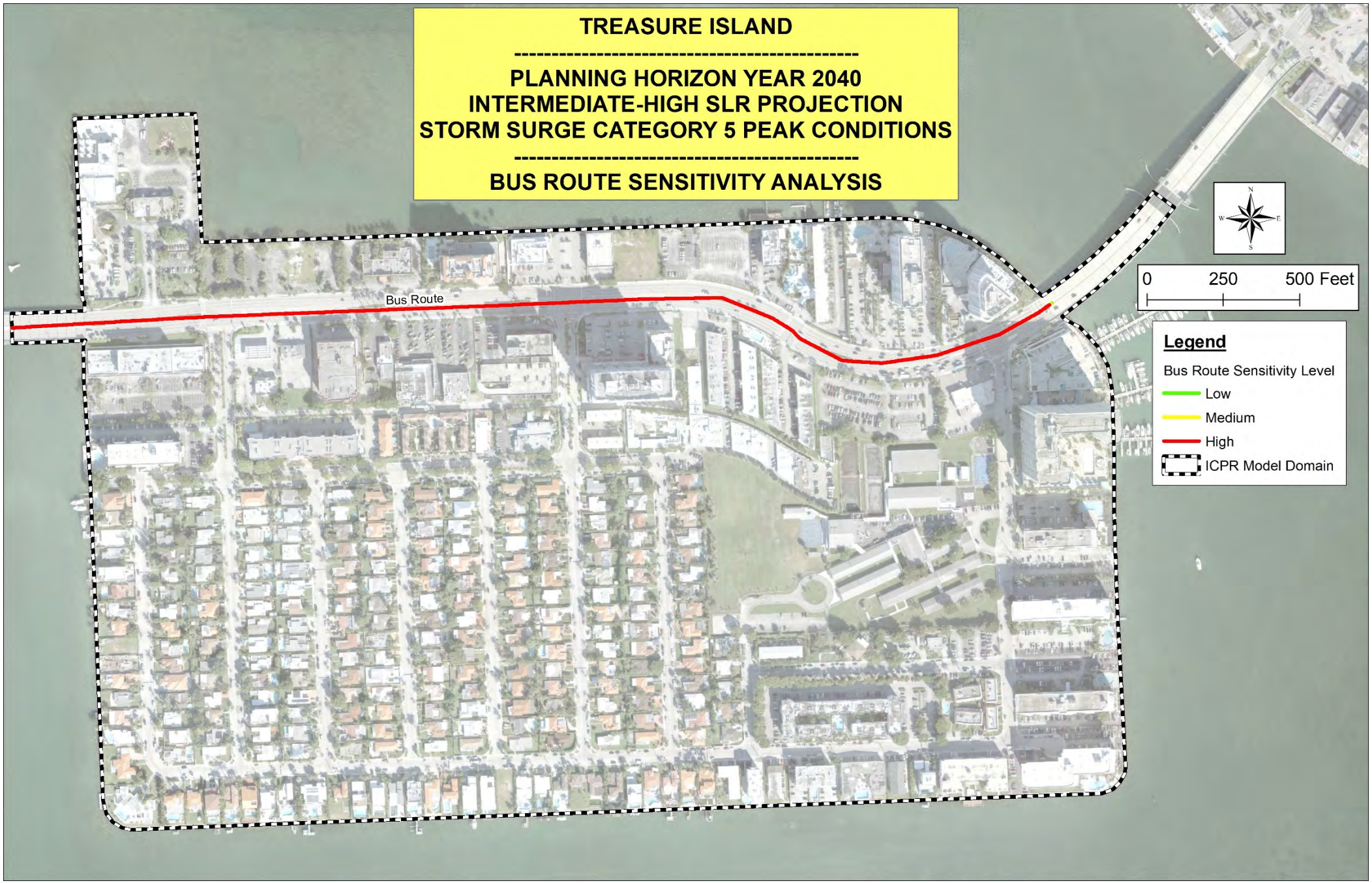

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

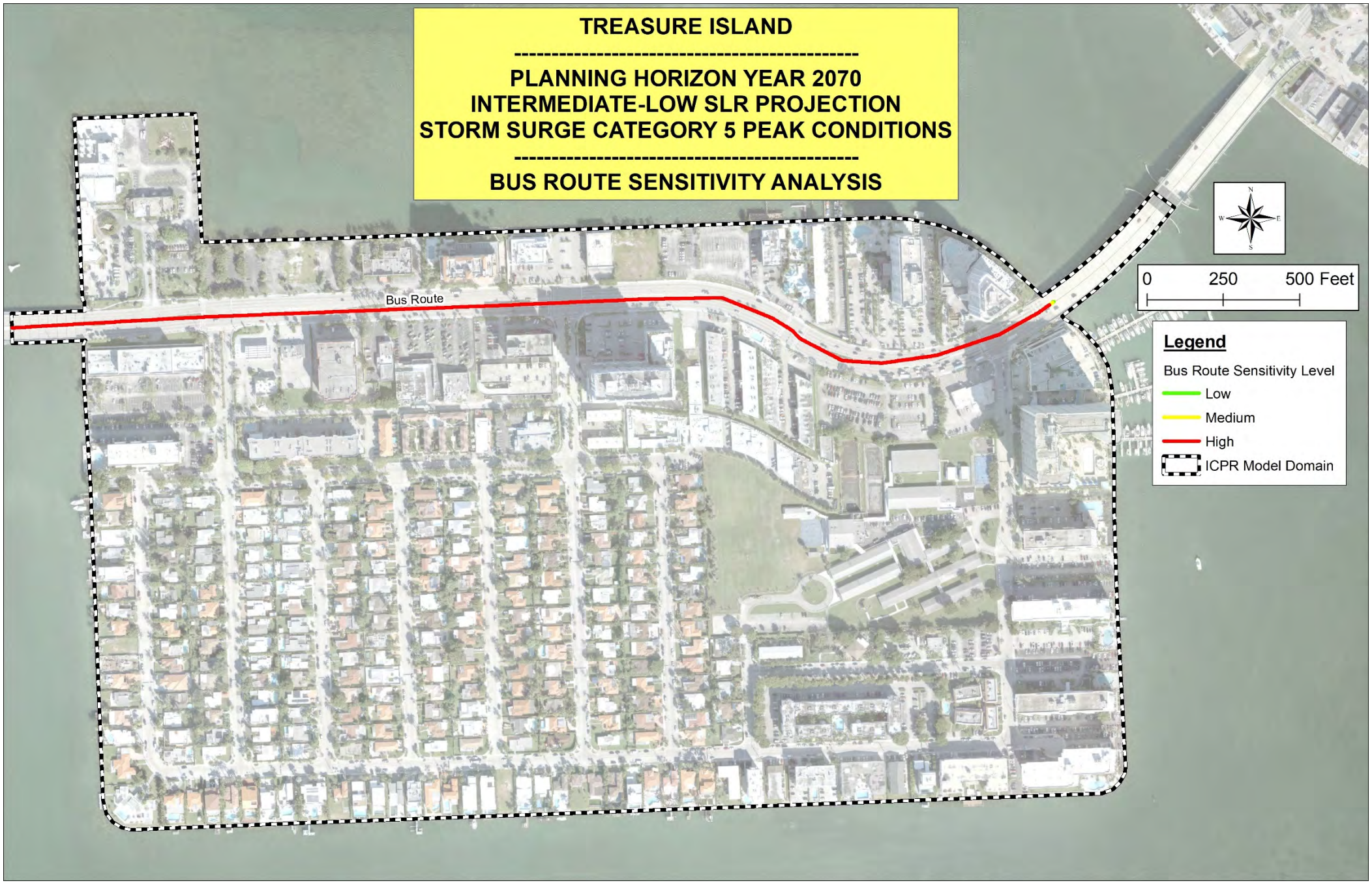

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

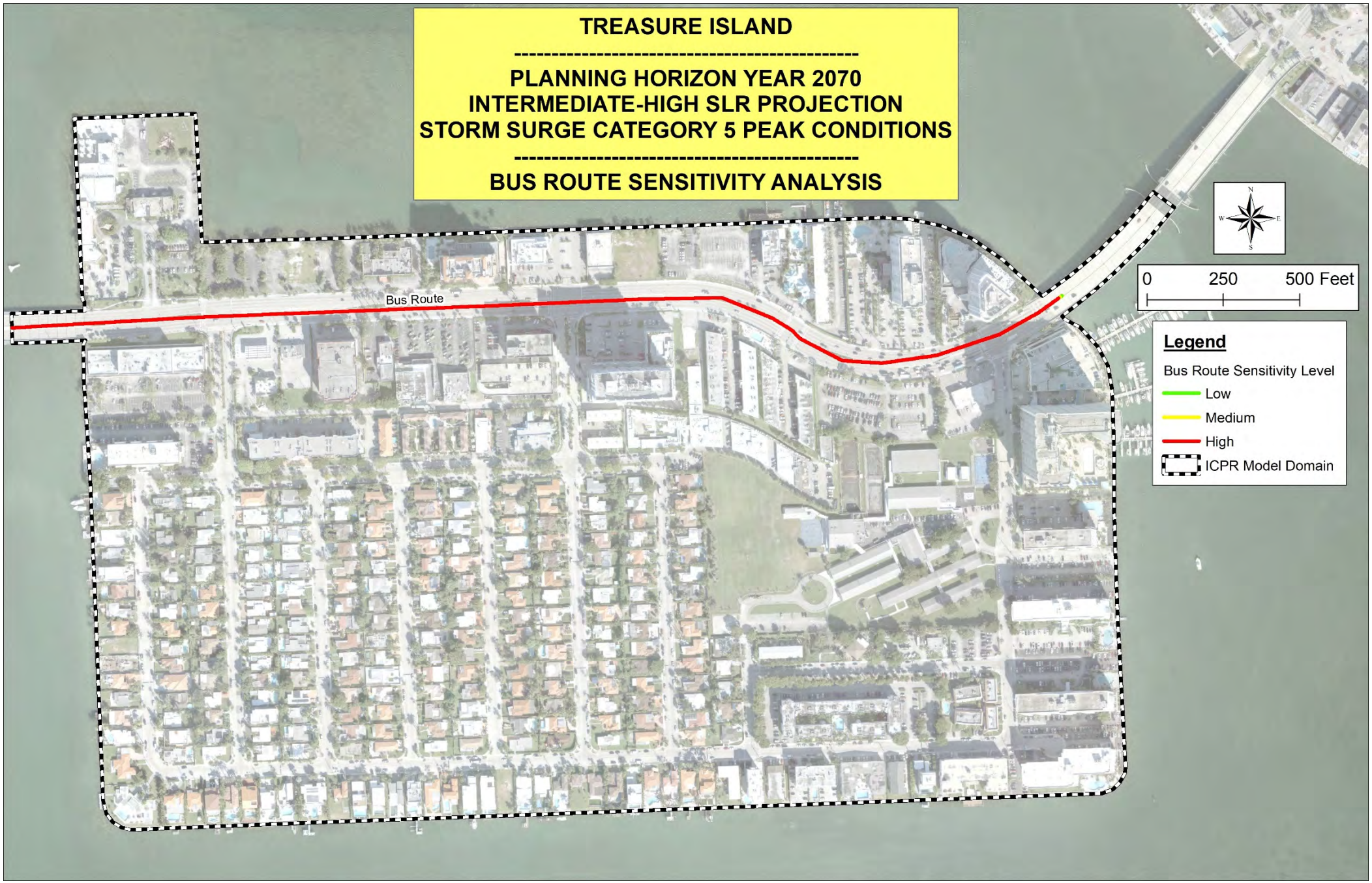
Appendix AI – Sensitivity Analysis Maps of the Bus Routes in TI and NBI & HI for Category 5 Storm Surge Conditions

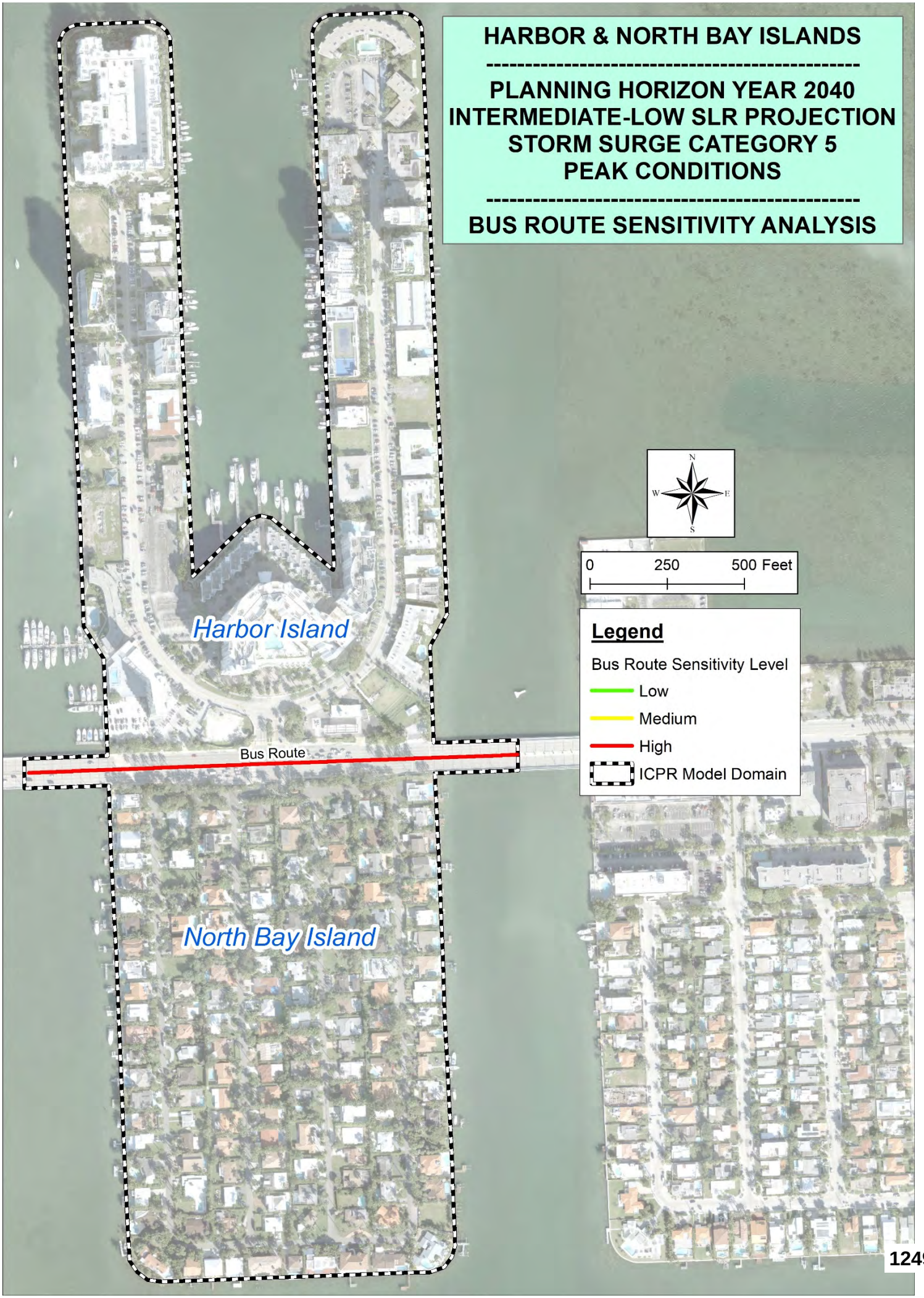

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

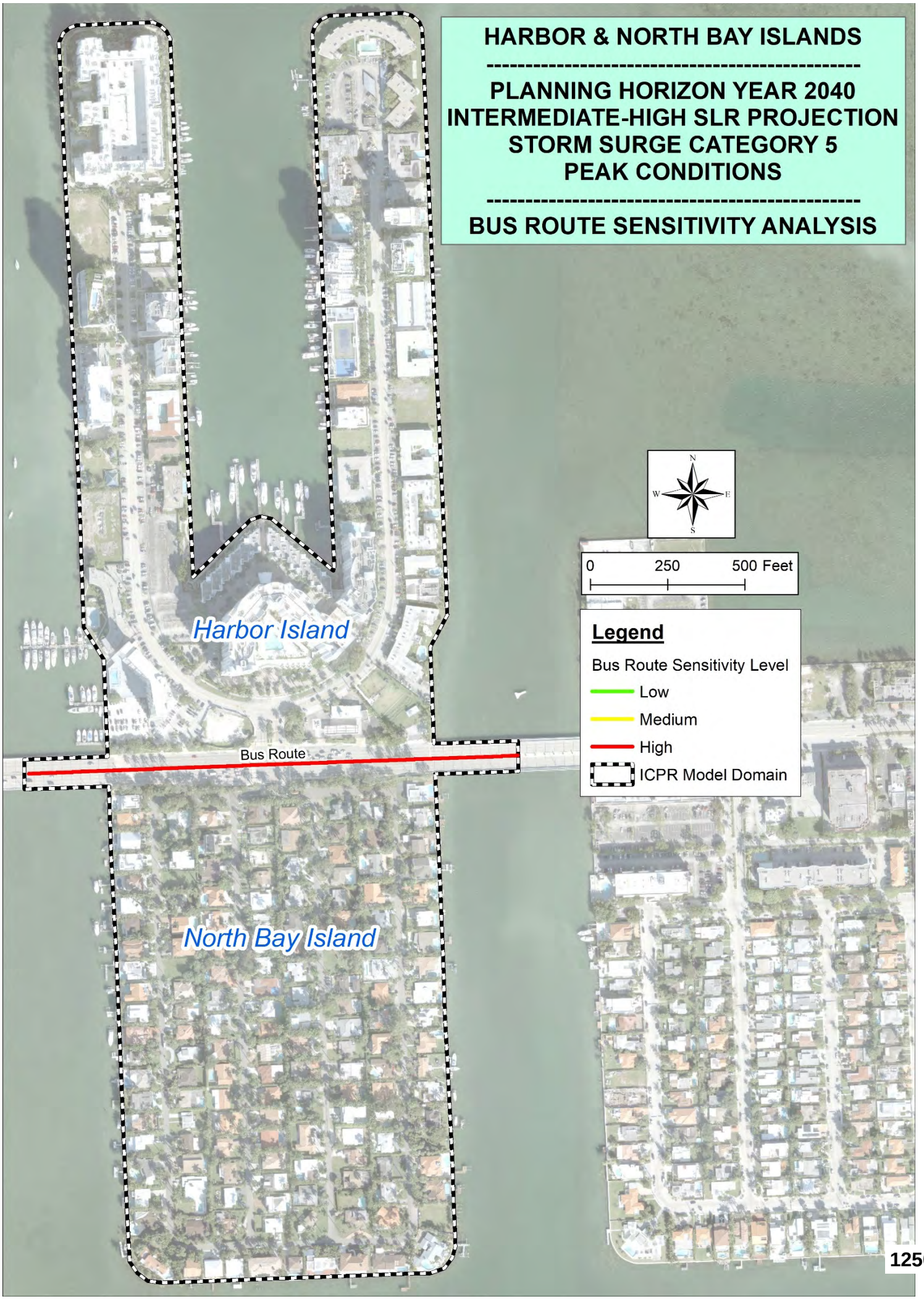

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

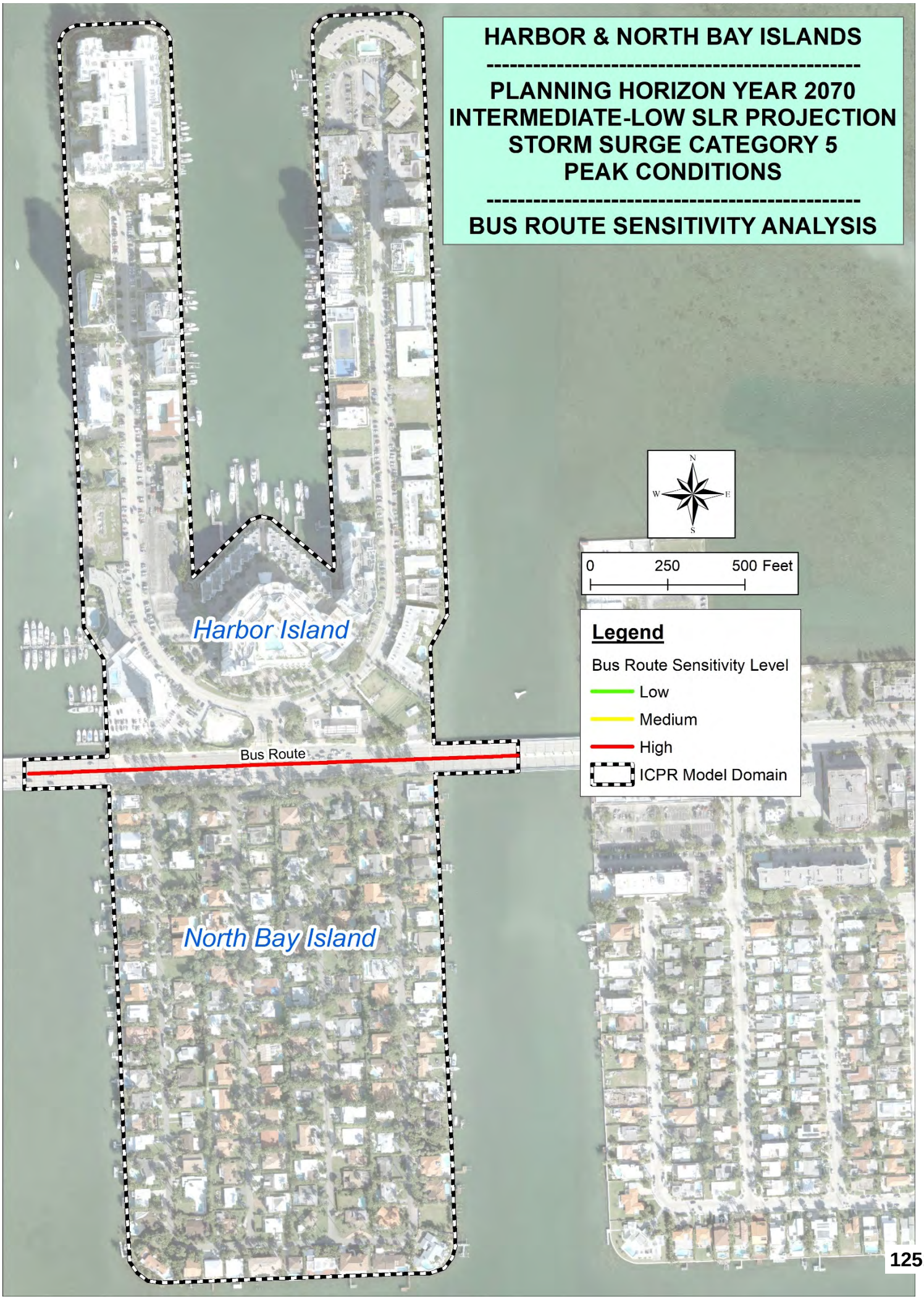
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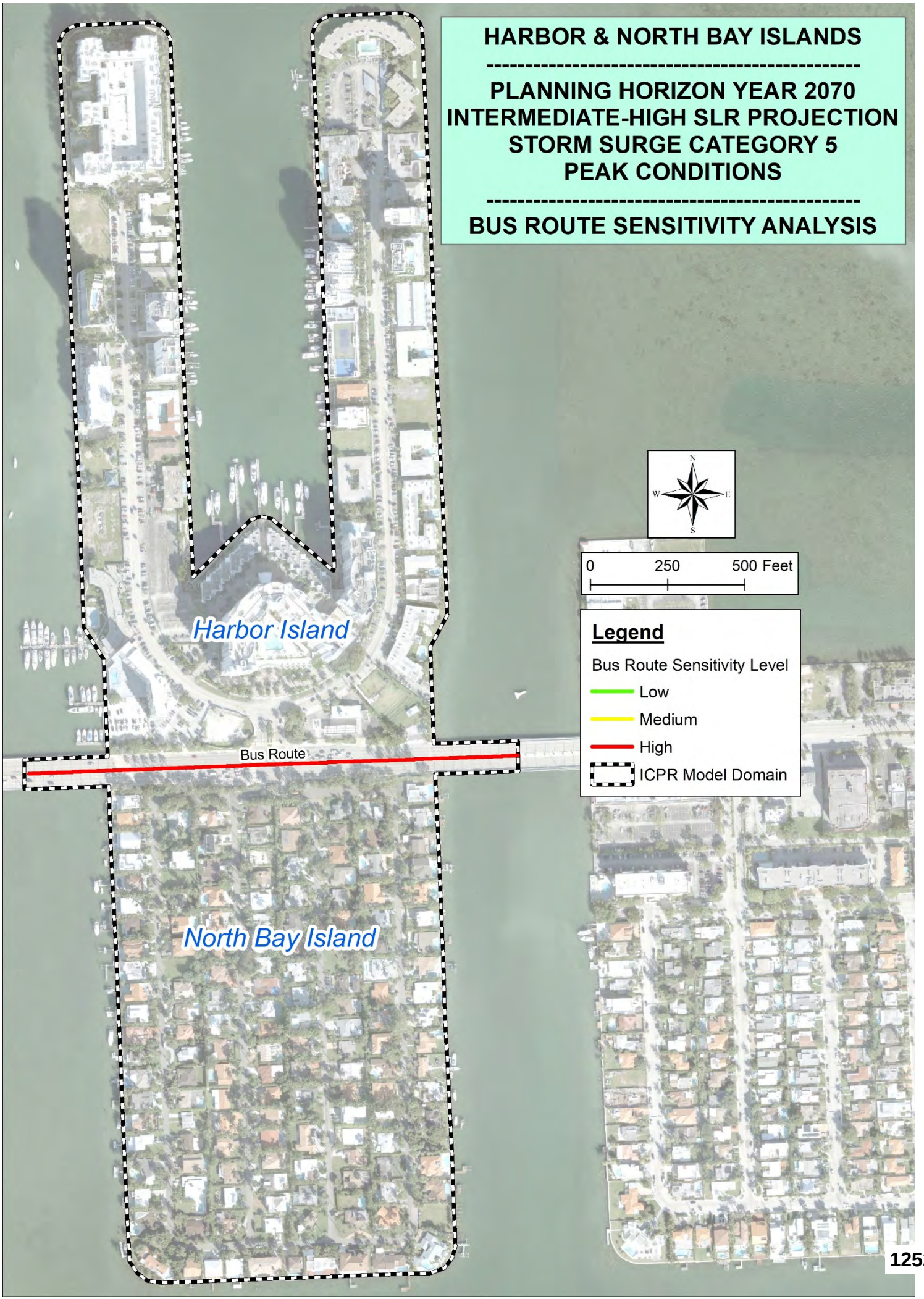

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

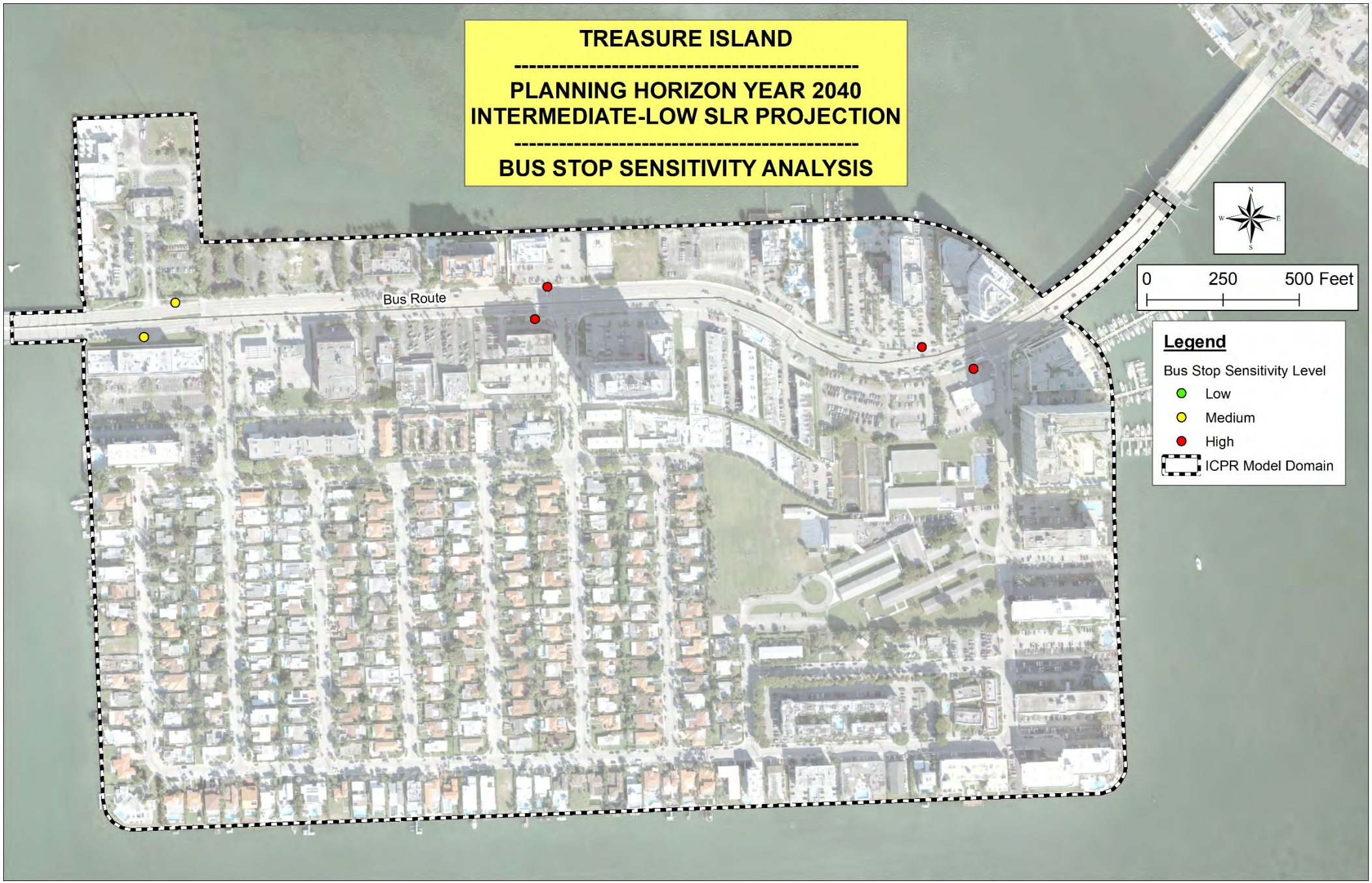

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

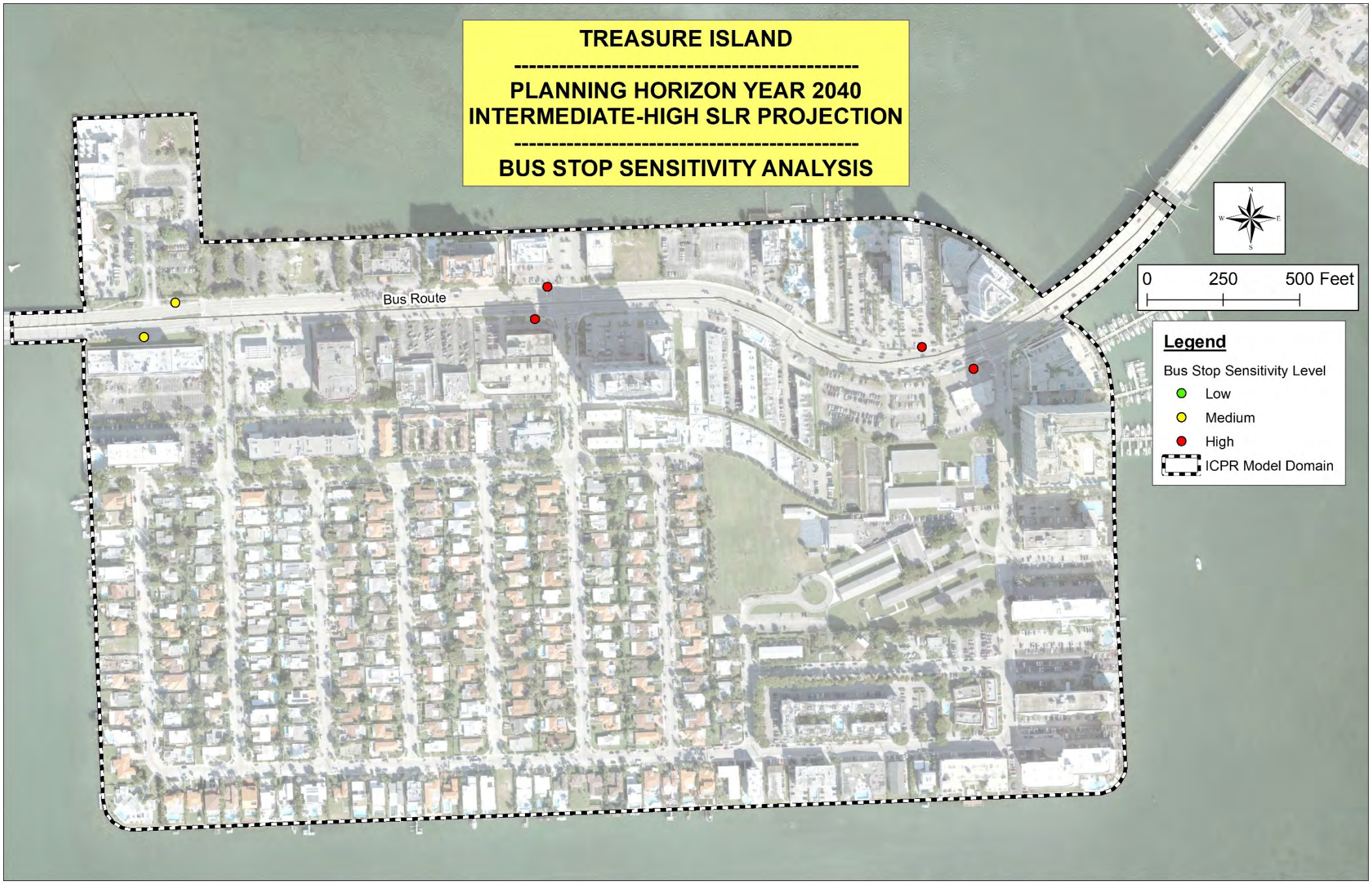

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain
1250

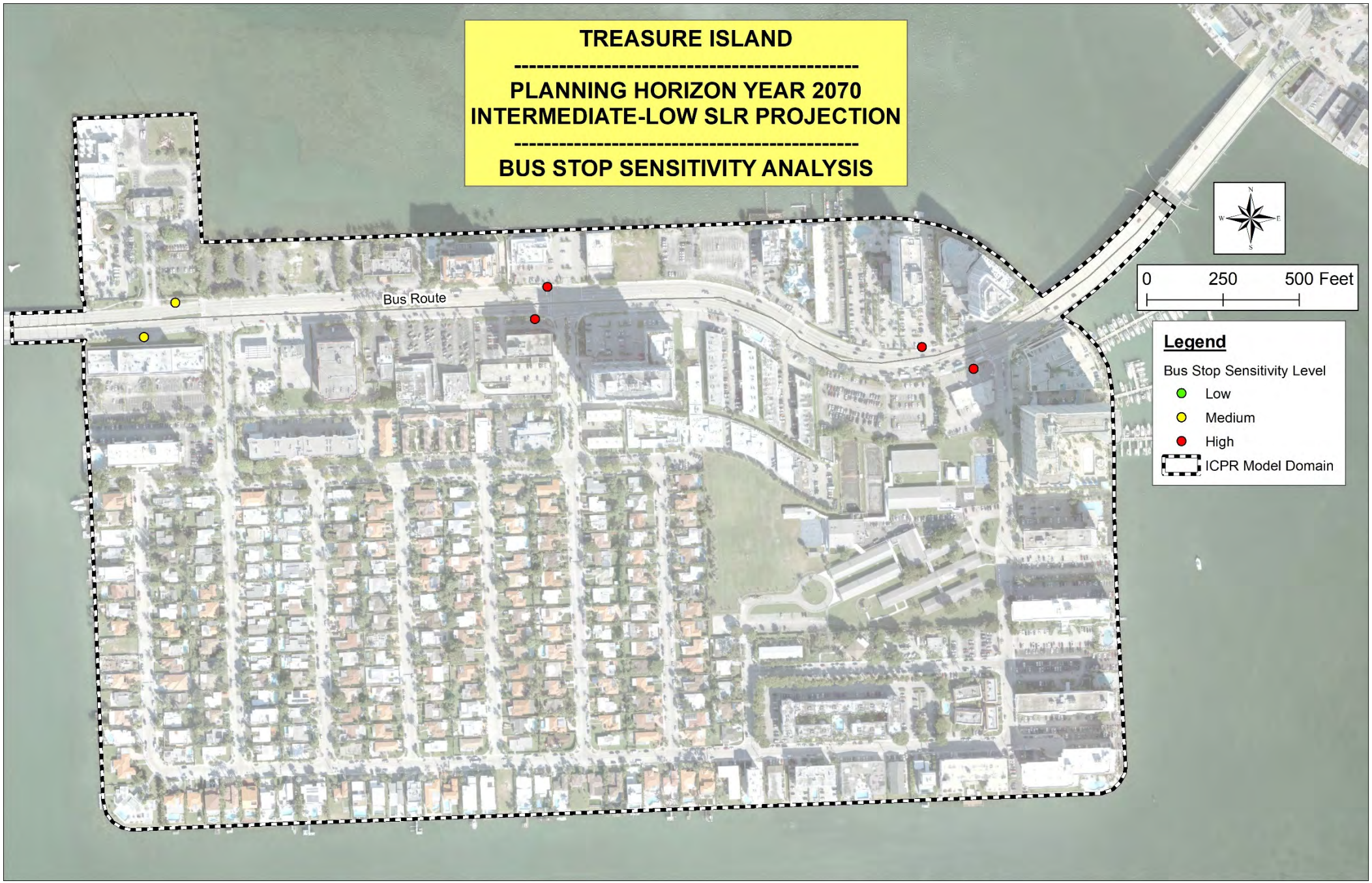

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
BUS ROUTE SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Route Sensitivity Level
Low
Medium
High
ICPR Model Domain

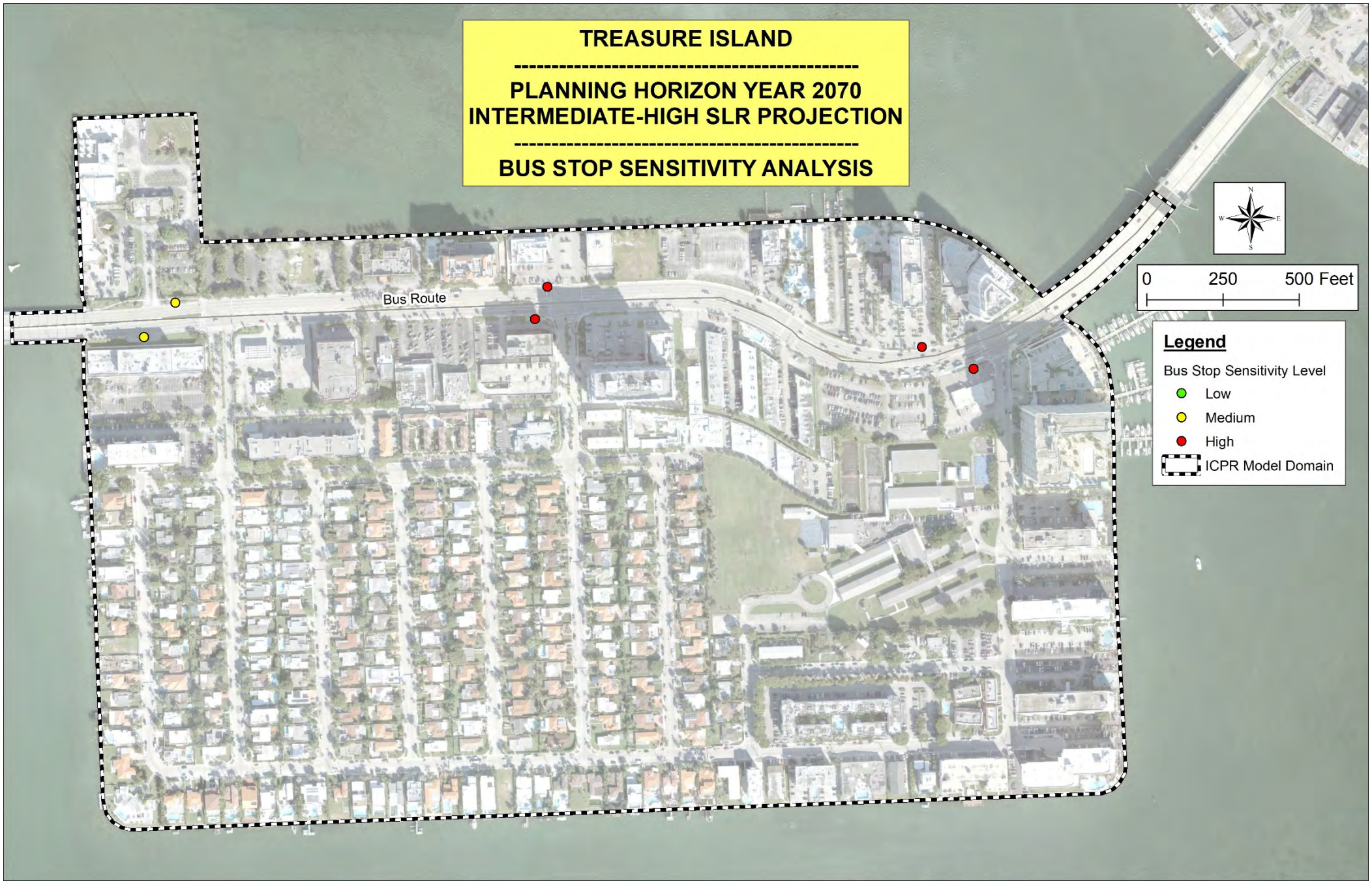
Appendix AJ – Sensitivity Analysis Maps of the Bus Stops in TI and NBI & HI under Sea-level Rise Scenarios

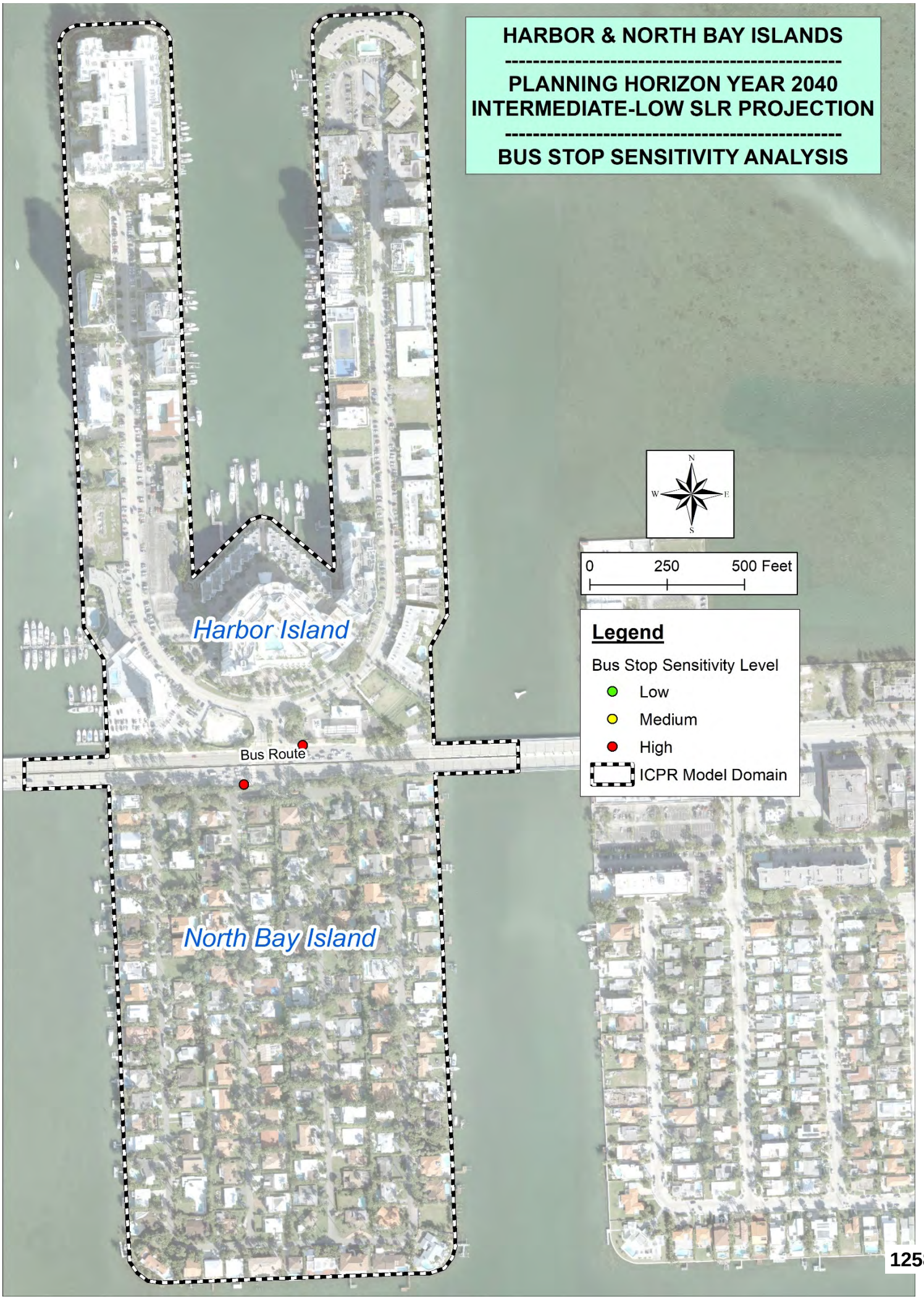

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
BUS STOP SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

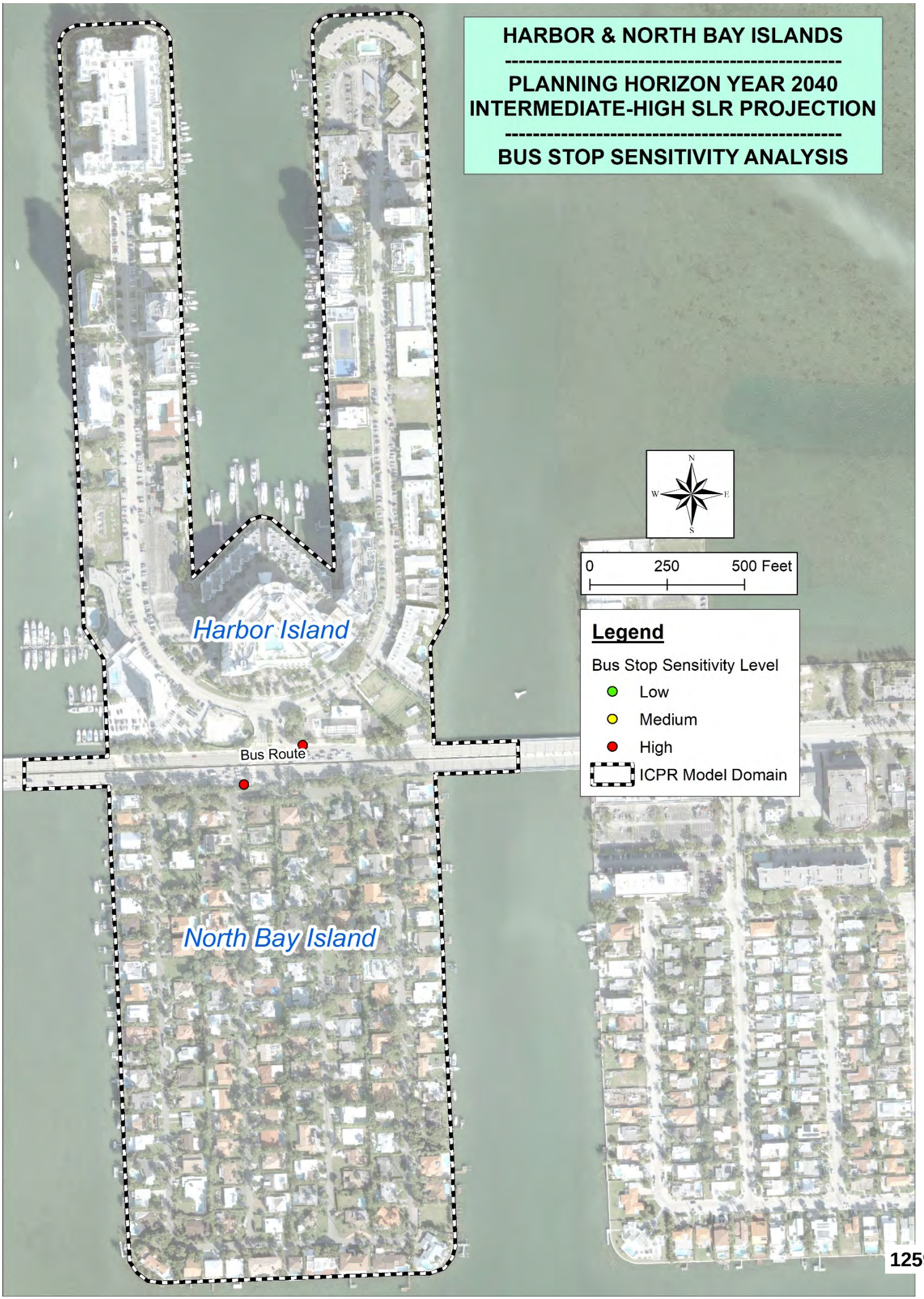

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
BUS STOP SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

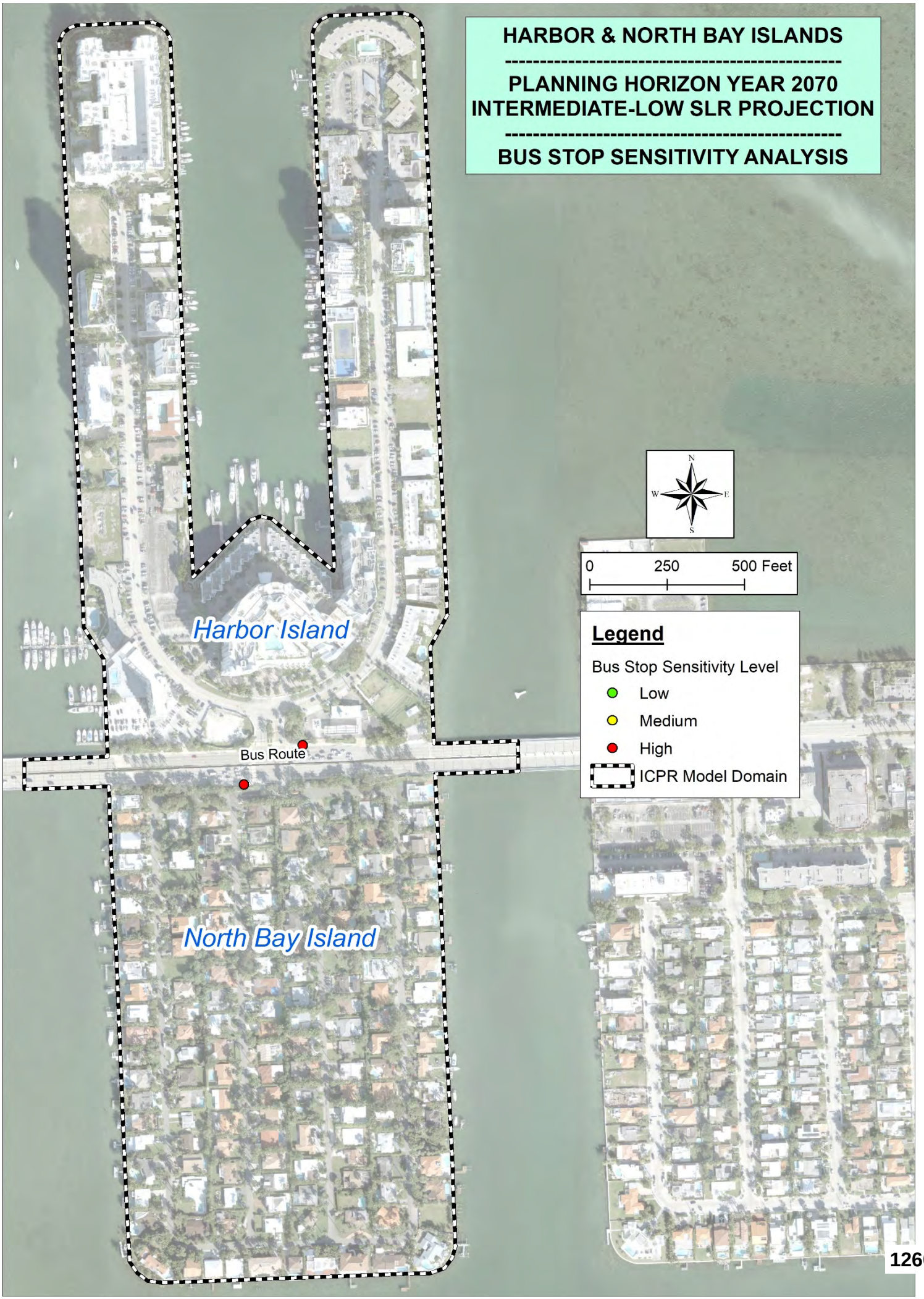

TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
BUS STOP SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

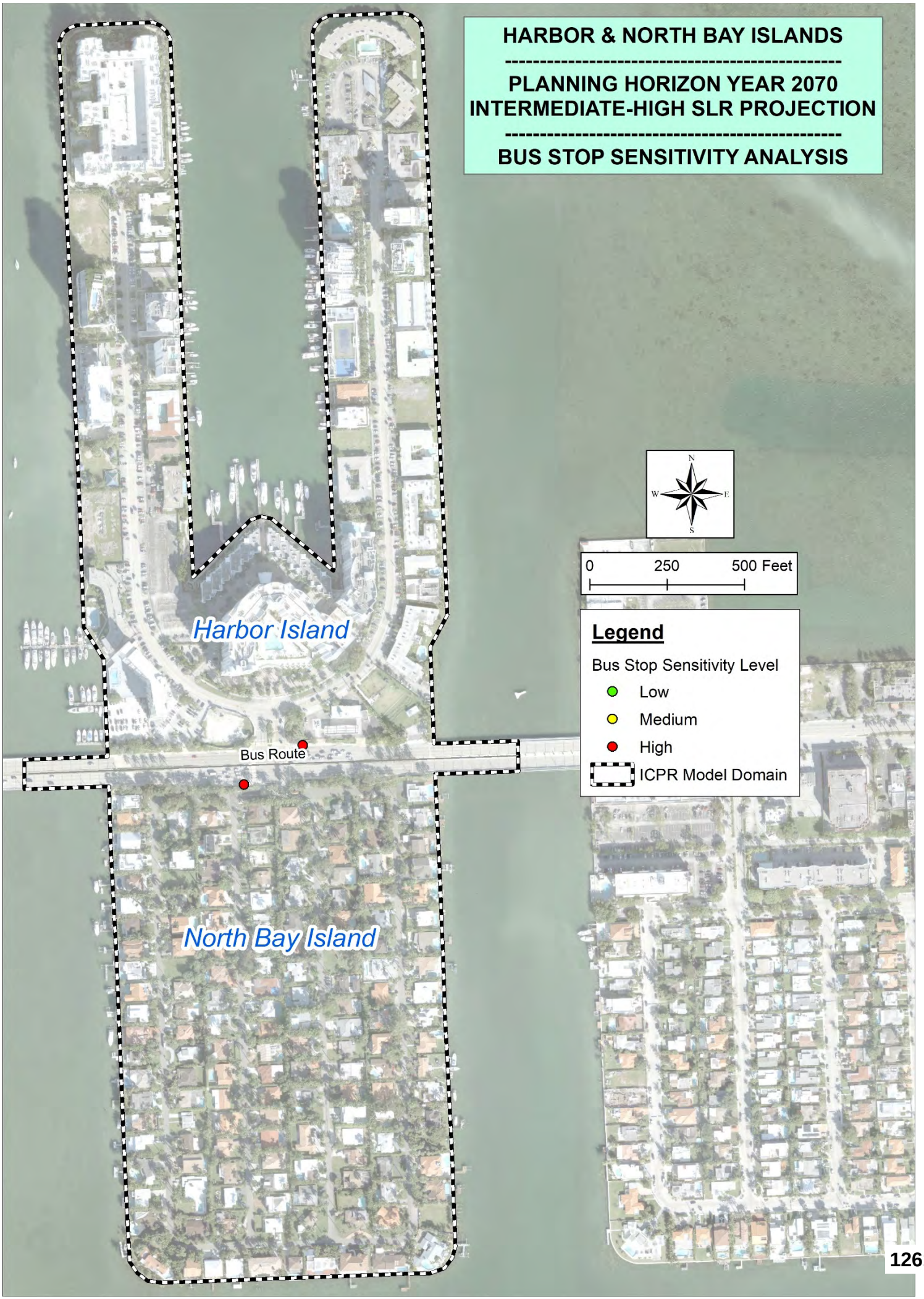
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TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
BUS STOP SENSITIVITY ANALYSIS
Bus Route
N
W
E
S
0
250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

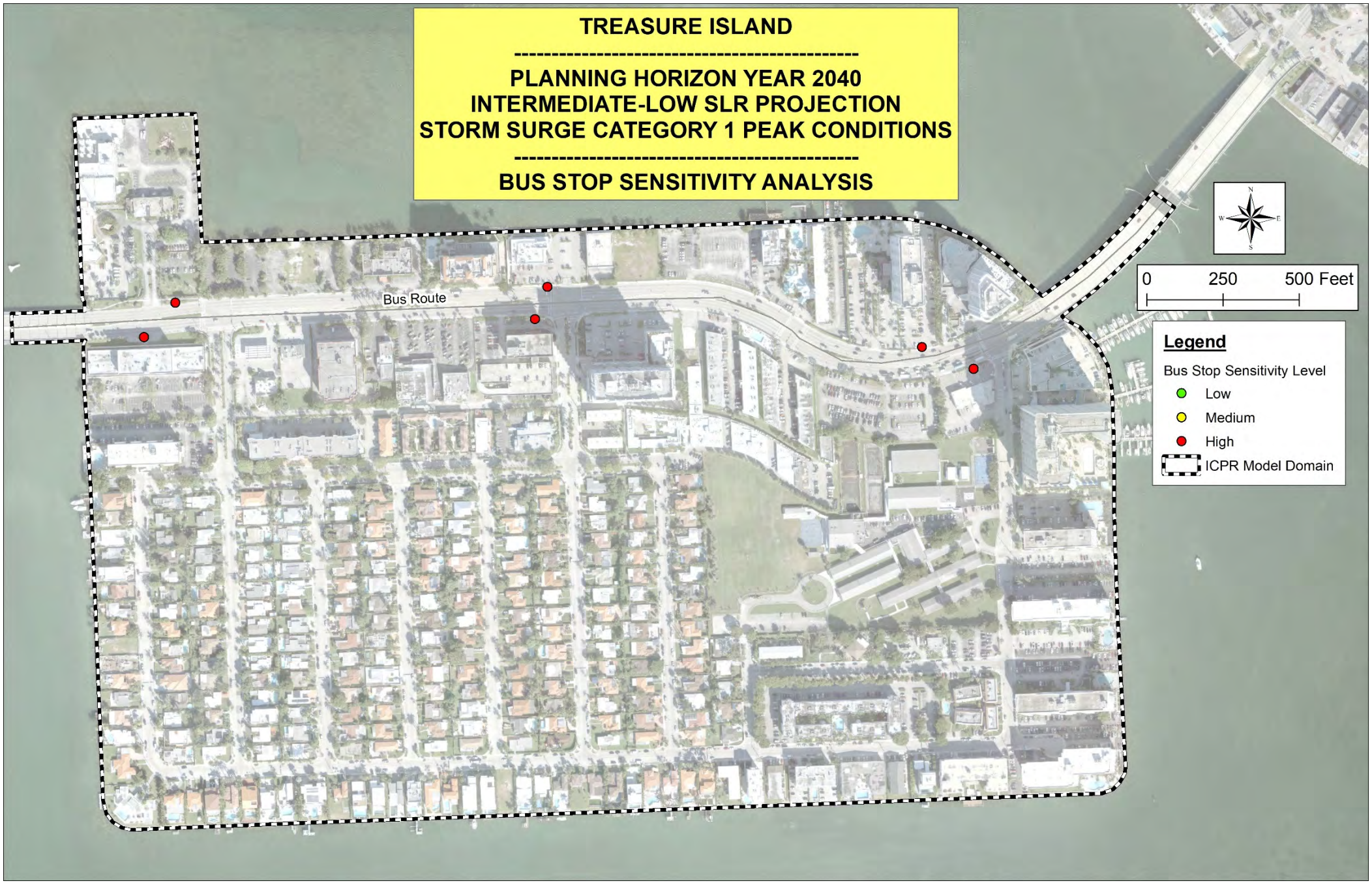

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
BUS STOP SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain
Harbor Island
Bus Route
North Bay Island

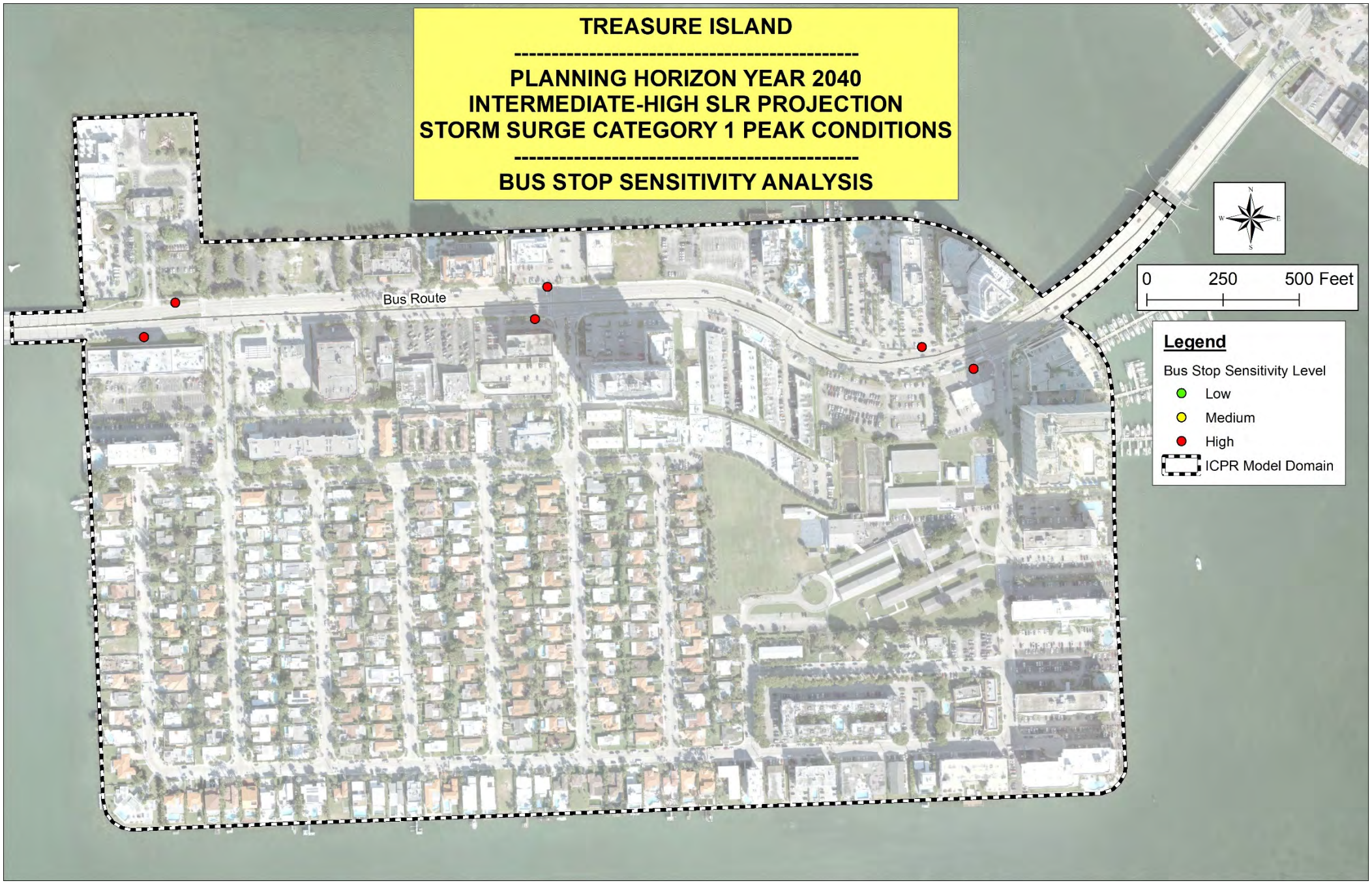

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
BUS STOP SENSITIVITY ANALYSIS
N
W
E
S
0
250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain
Harbor Island
Bus Route
North Bay Island

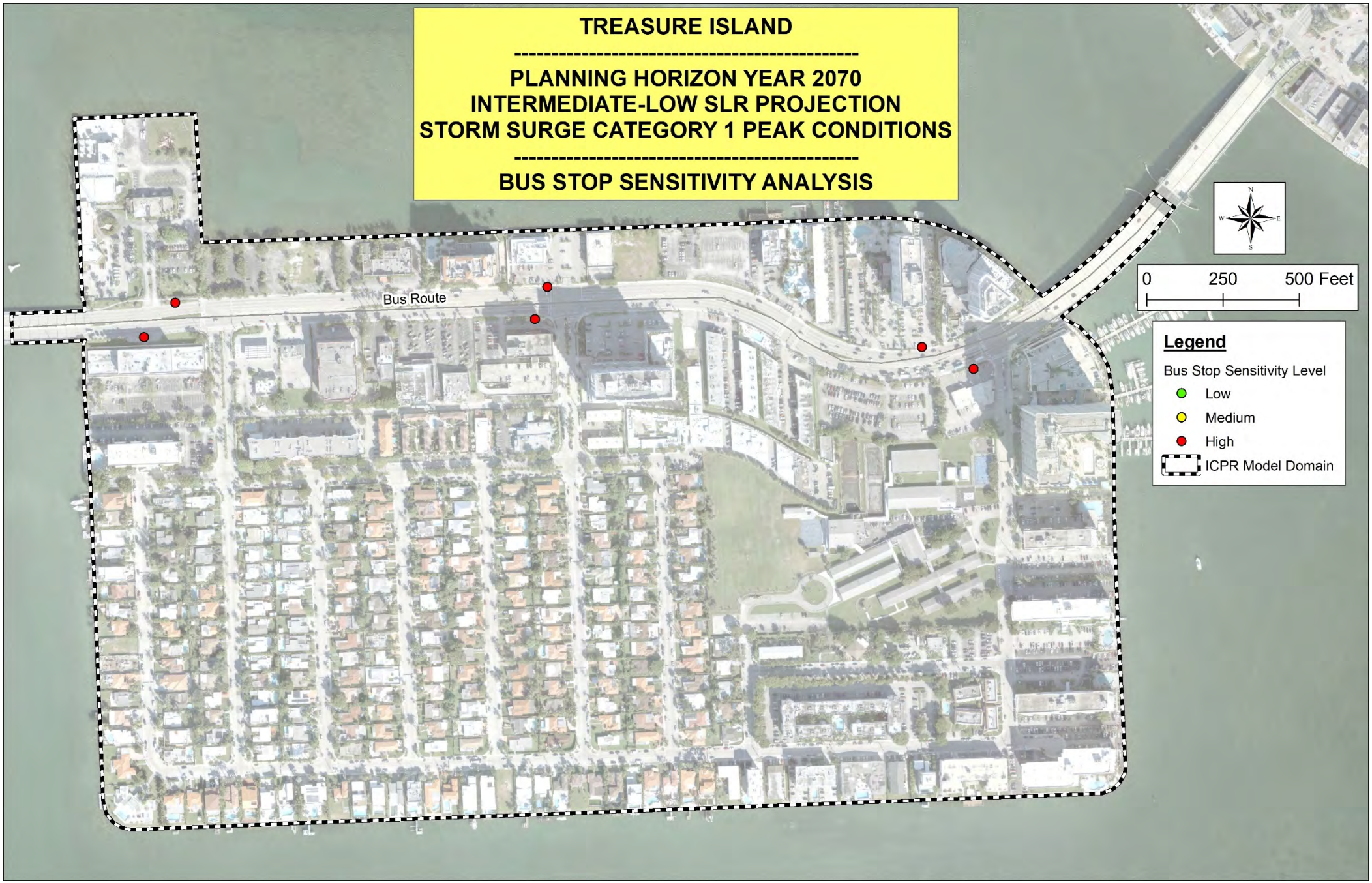

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
BUS STOP SENSITIVITY ANALYSIS
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250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain
Harbor Island
Bus Route
North Bay Island

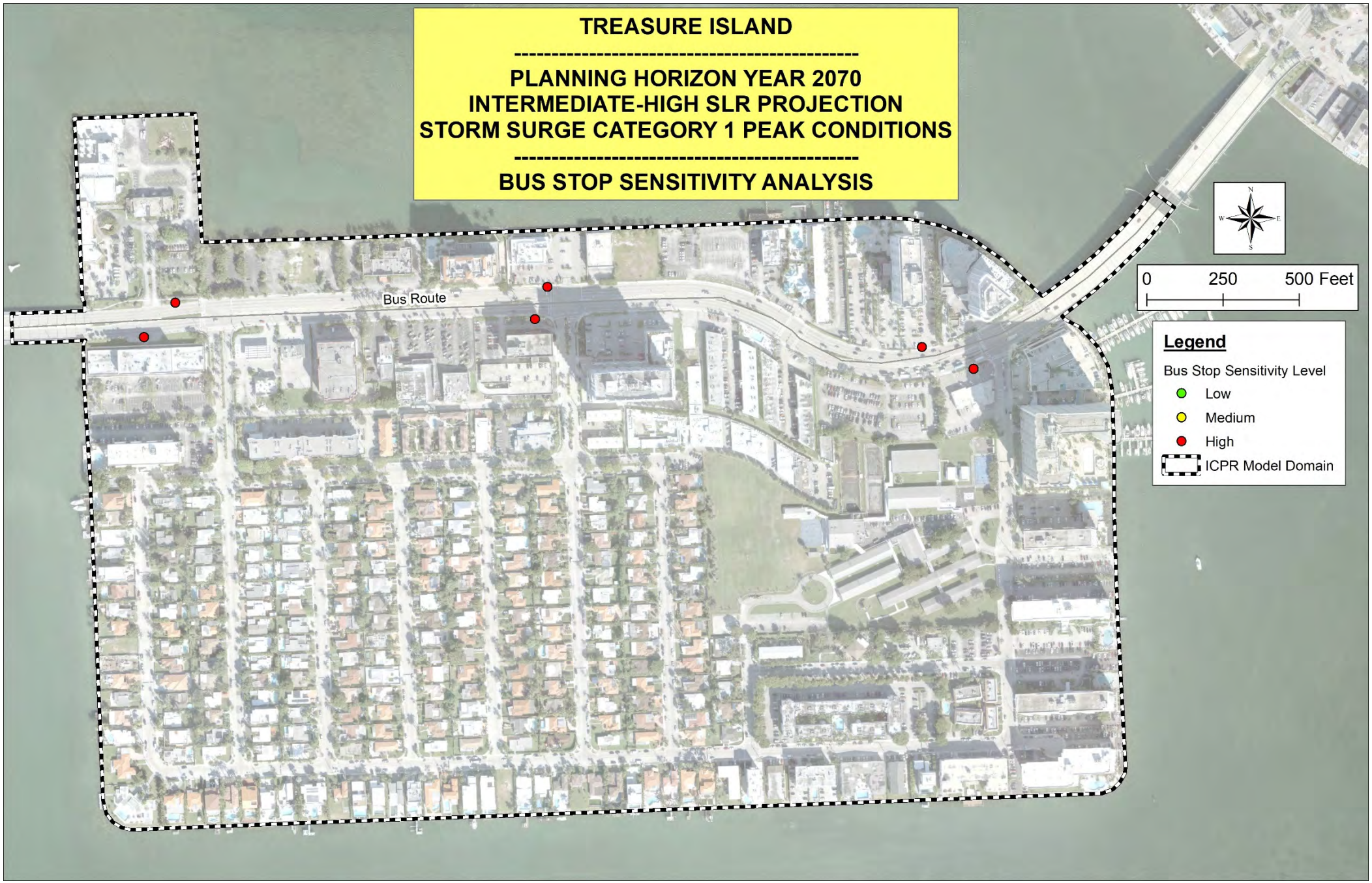

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
BUS STOP SENSITIVITY ANALYSIS
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500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain
Harbor Island
Bus Route
North Bay Island

Appendix AK – Sensitivity Analysis Maps of the Bus Stops in TI and NBI & HI for Category 1 Storm Surge Conditions


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
Bus Route
N
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250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
Bus Route
N
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250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
Bus Route
N
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250
500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1 PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
Bus Route
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500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

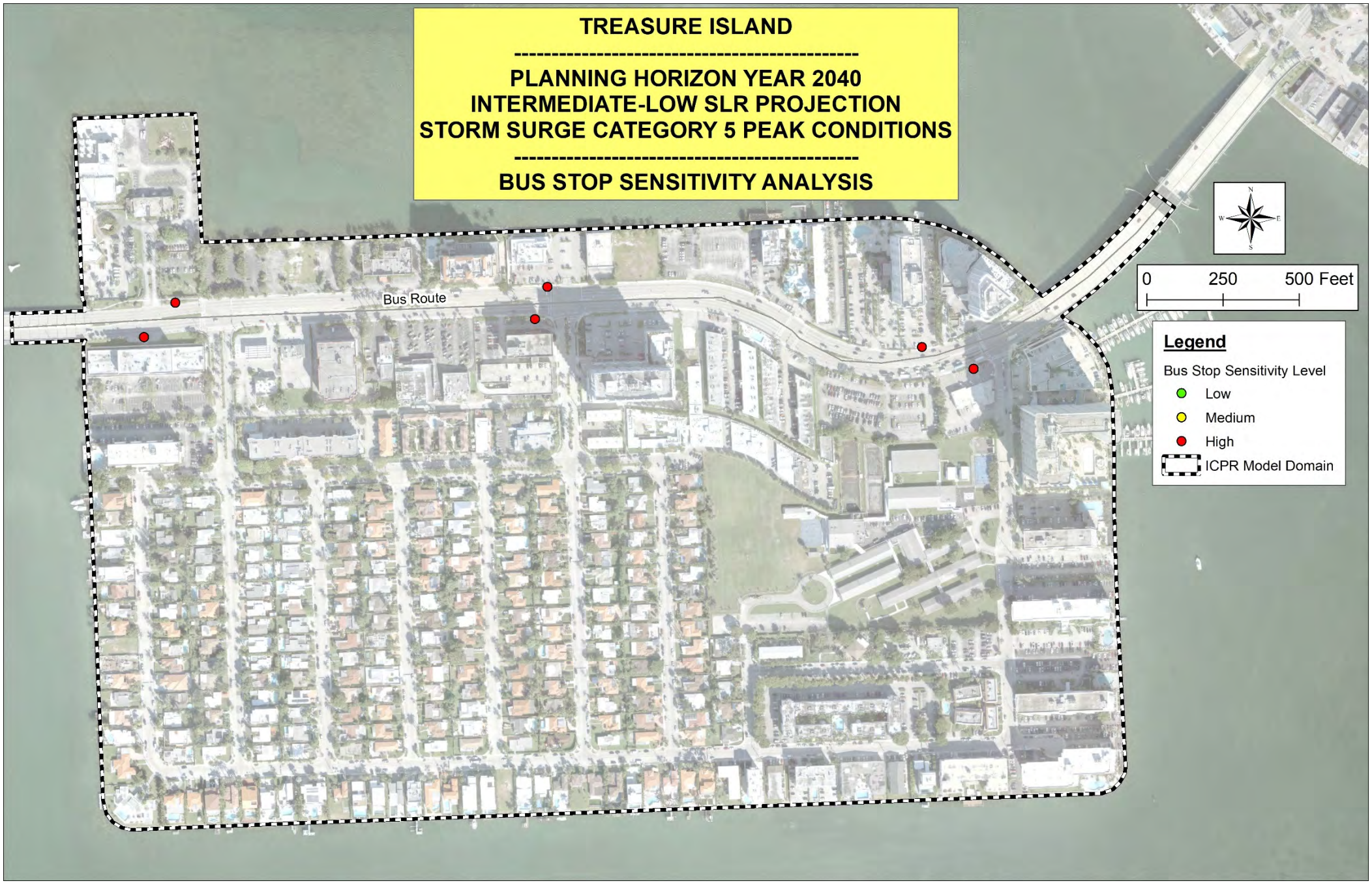

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
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500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

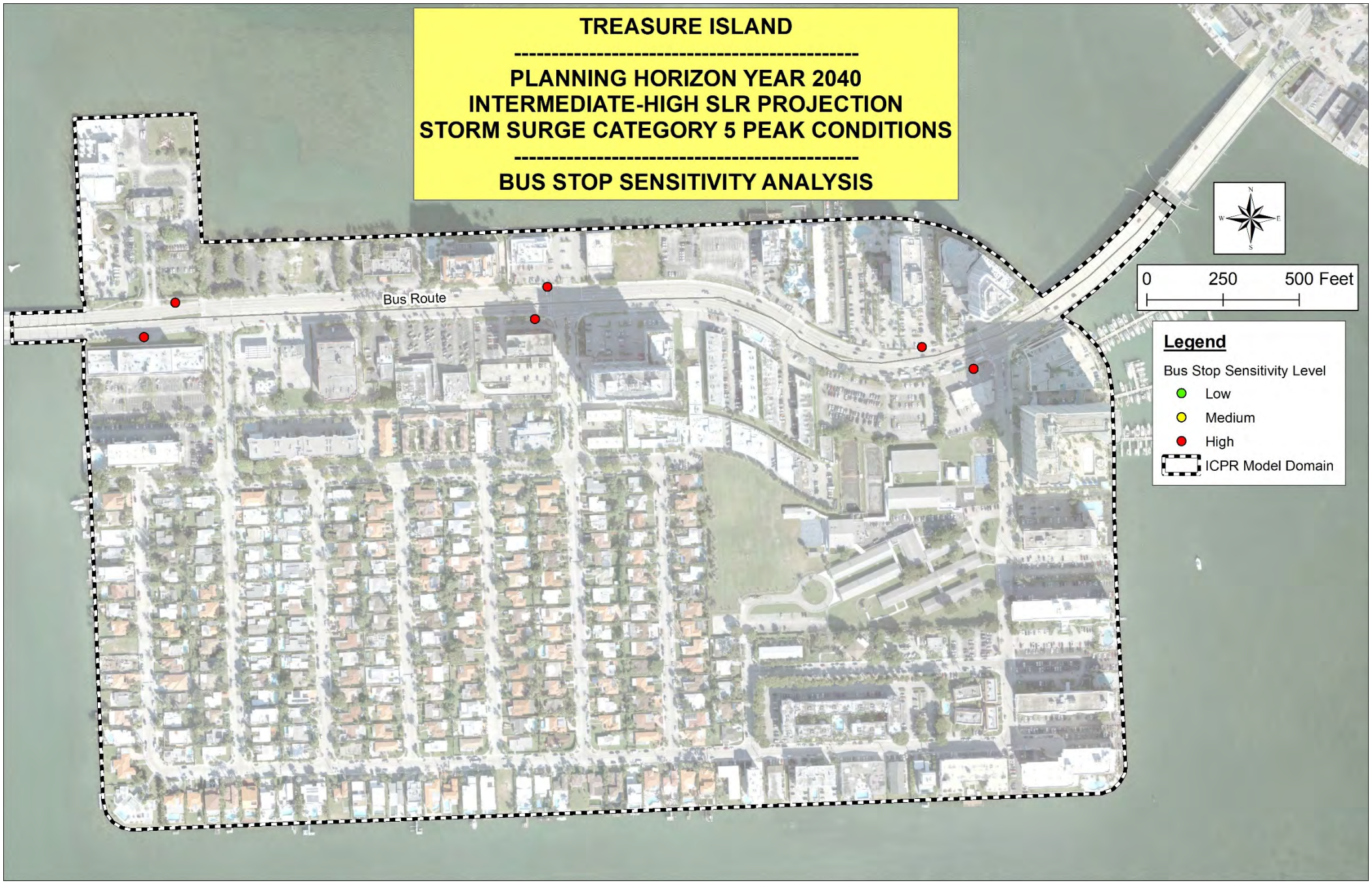

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
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Harbor Island
Bus Route
North Bay Island
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

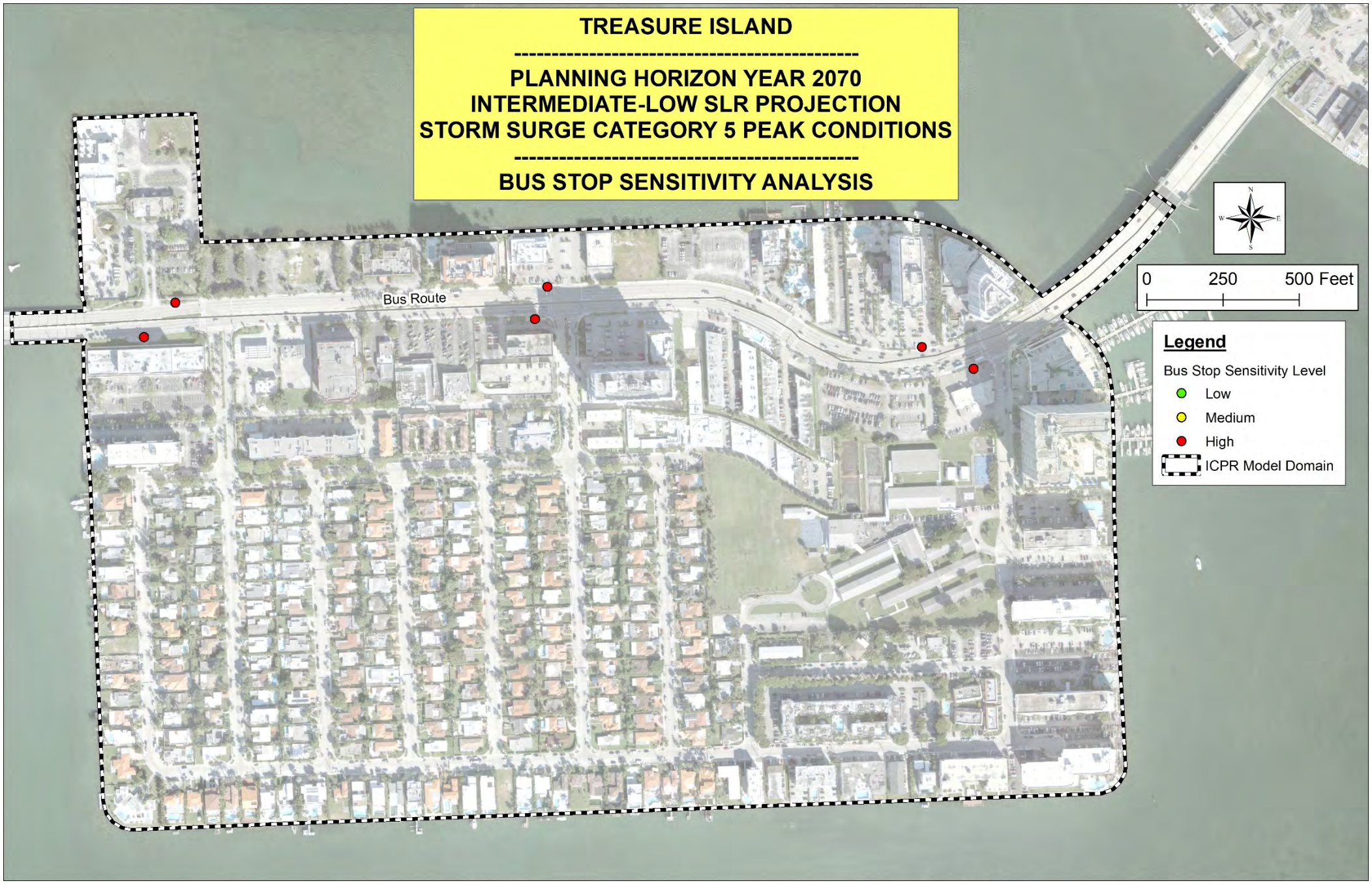

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
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Harbor Island
Bus Route
North Bay Island
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

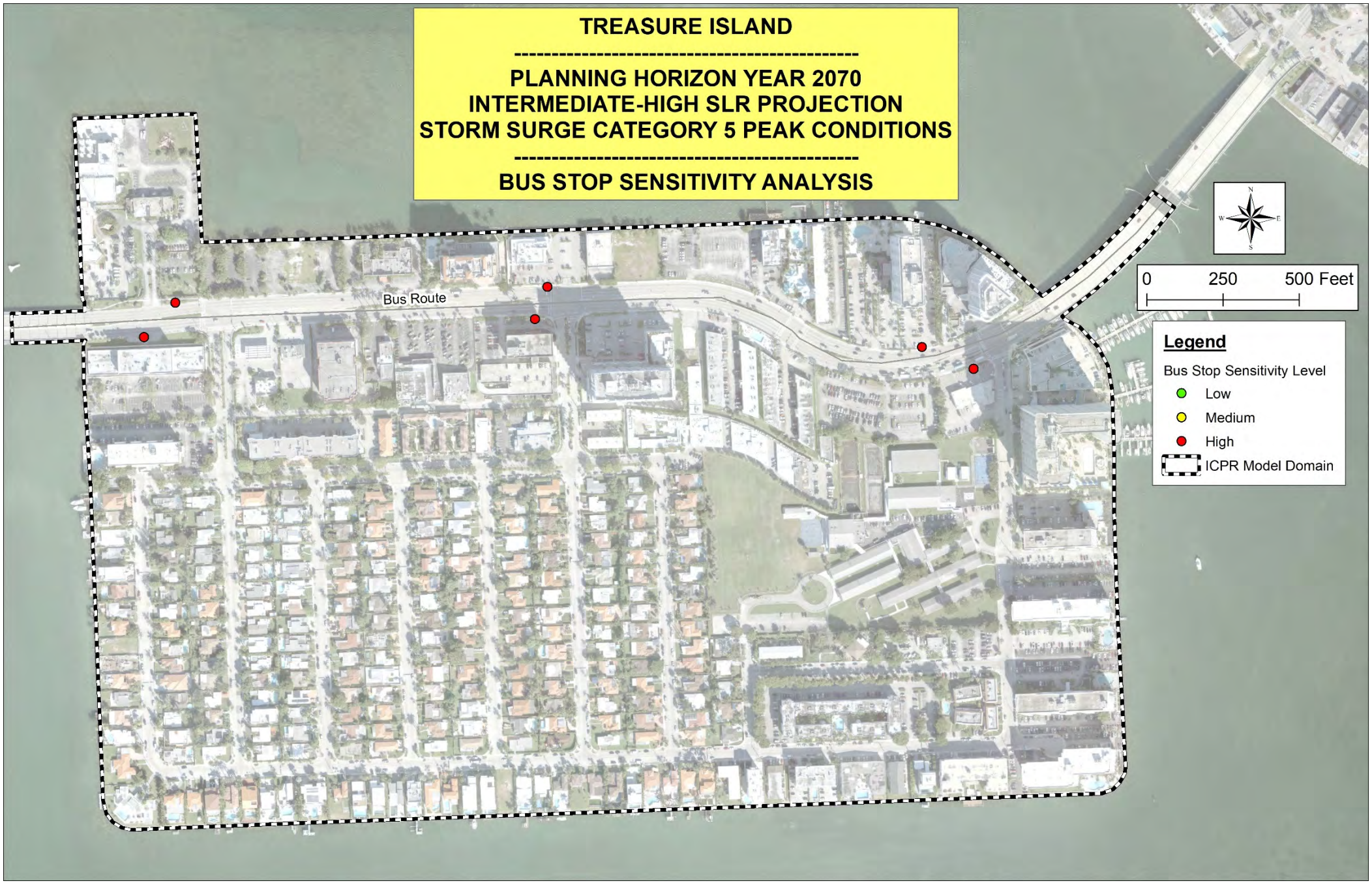

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 1
PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
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500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

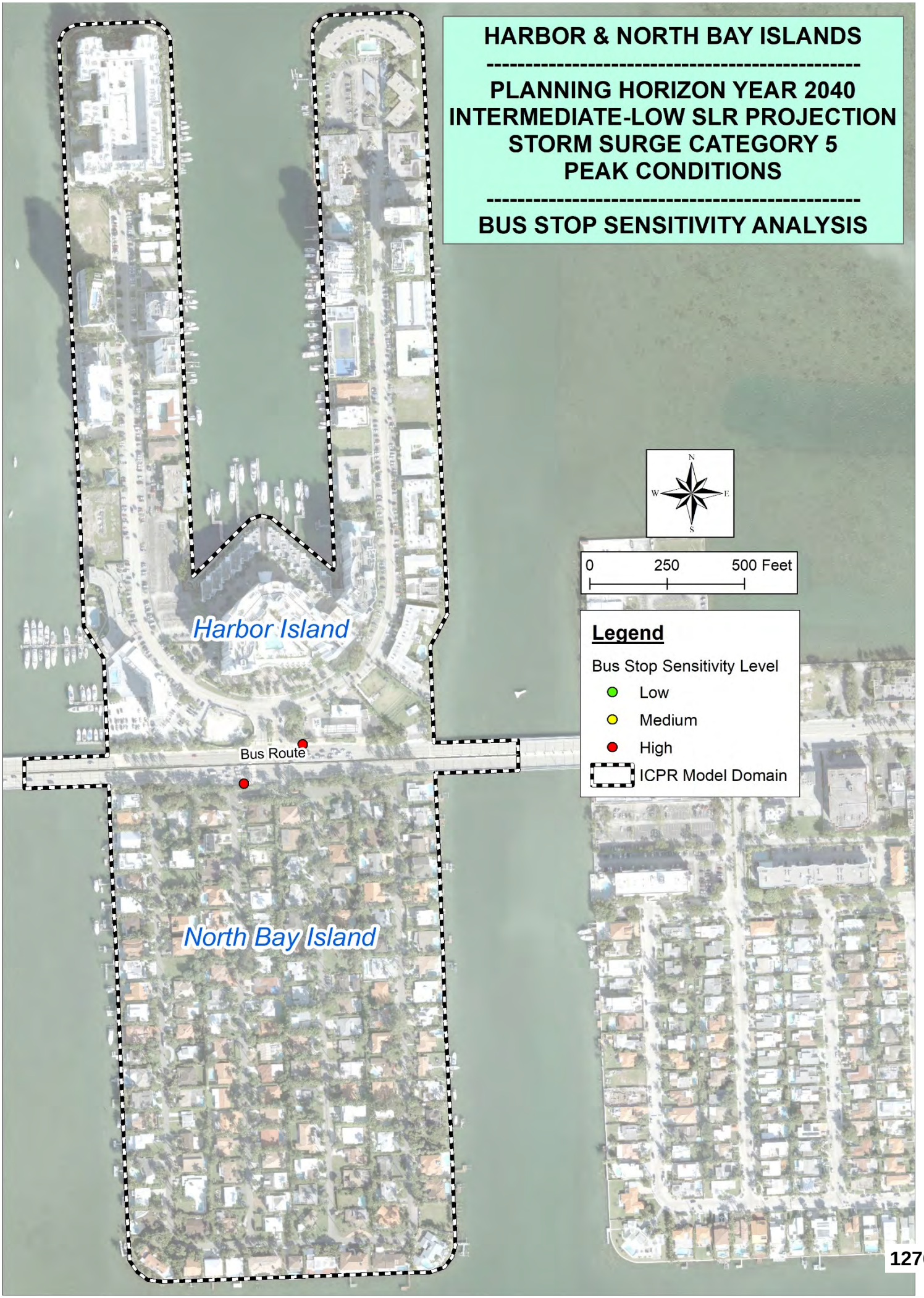
Appendix AL – Sensitivity Analysis Maps of the Bus Stops in TI and NBI & HI for Category 5 Storm Surge Conditions

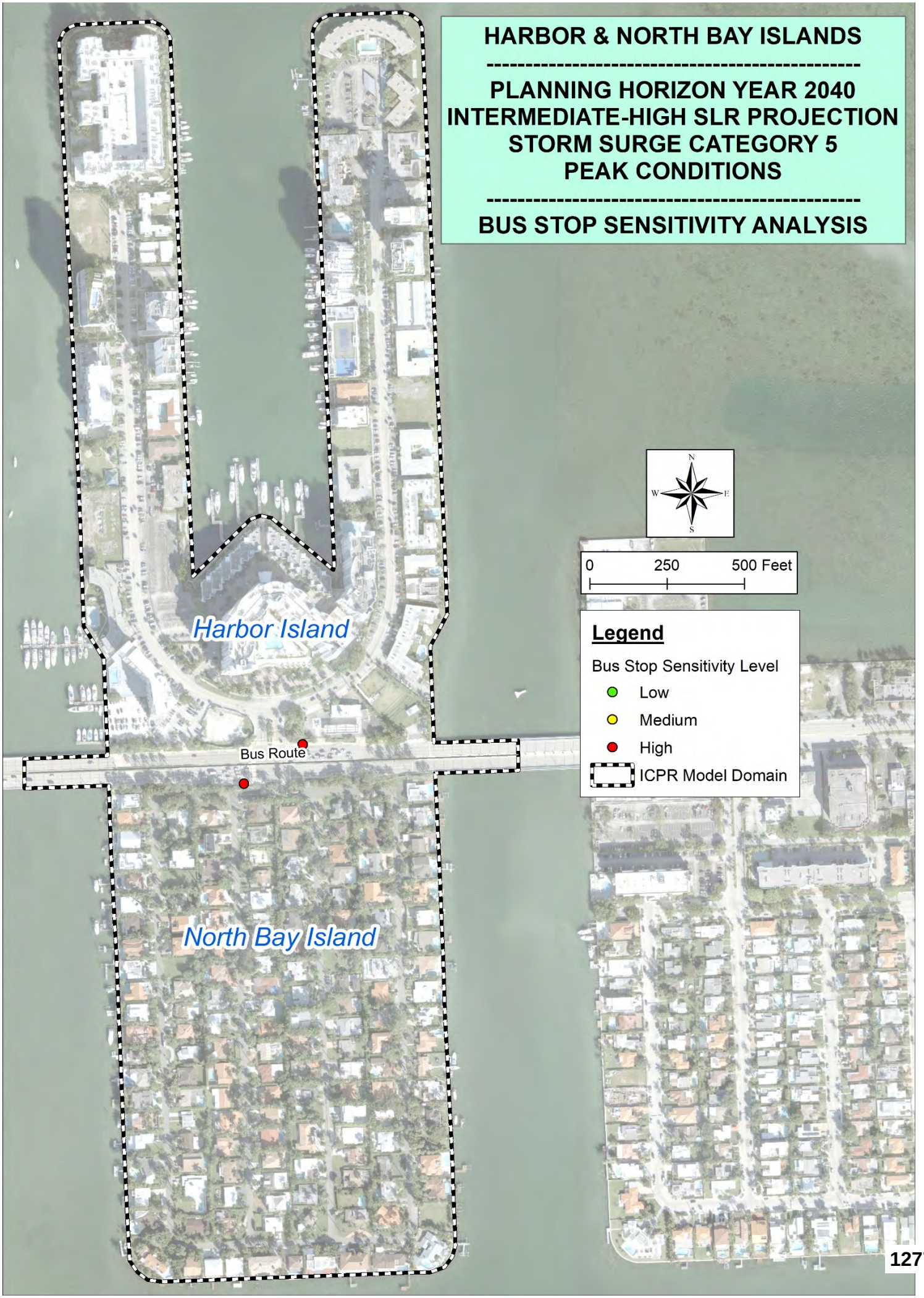

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
Bus Route
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500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

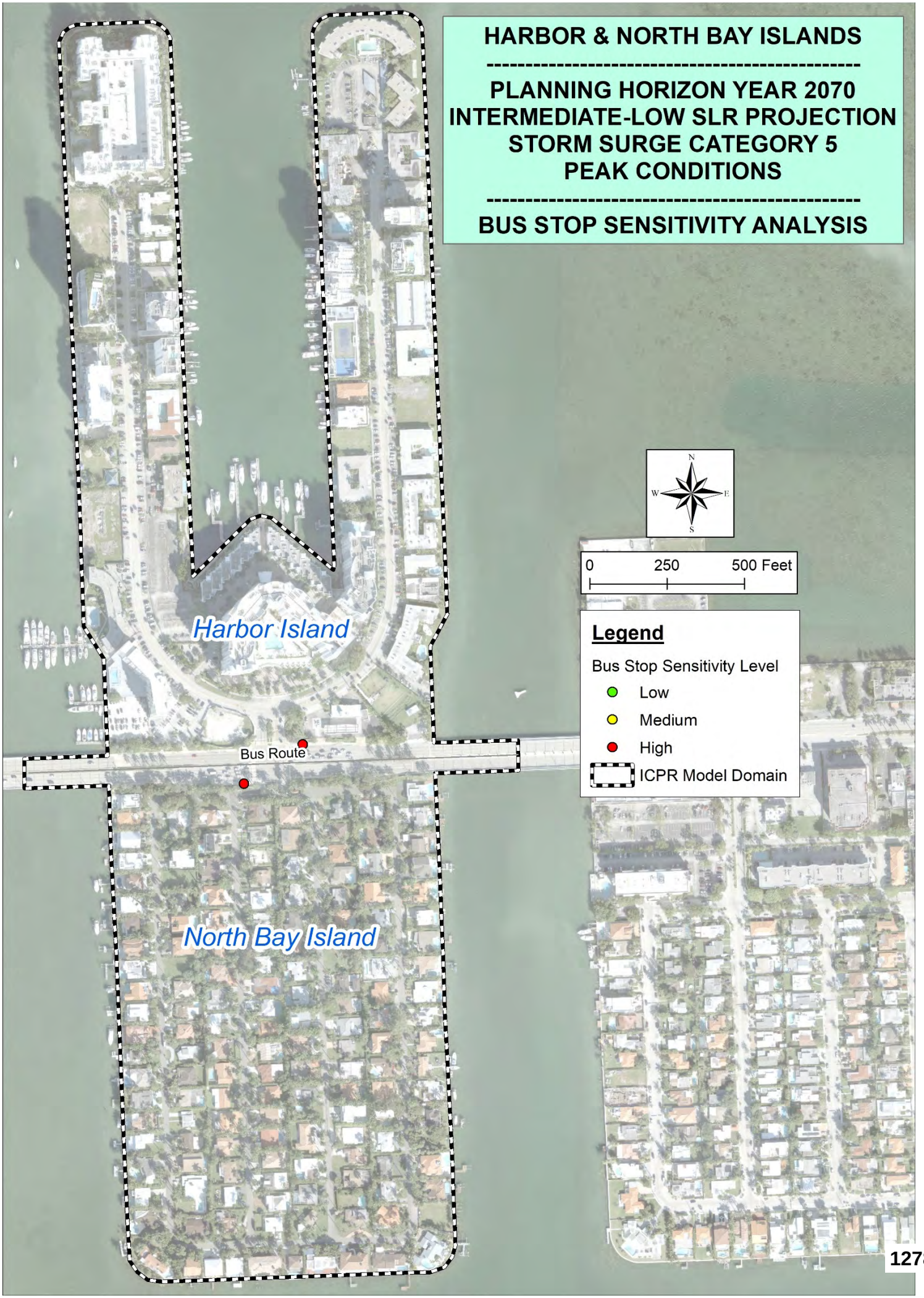

TREASURE ISLAND
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
Bus Route
N
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500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
Bus Route
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500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5 PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
Bus Route
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500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
N
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500 Feet
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain
Harbor Island
Bus Route
North Bay Island


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2040
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
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500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-LOW SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
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Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain
Harbor Island
Bus Route
North Bay Island


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
STORM SURGE CATEGORY 5
PEAK CONDITIONS
BUS STOP SENSITIVITY ANALYSIS
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500 Feet
Harbor Island
Bus Route
North Bay Island
Legend
Bus Stop Sensitivity Level
Low
Medium
High
ICPR Model Domain

Appendix AM – FPSS Calculation Sheets for Future Planning Horizon of Sea-level Rise Scenarios

SLR 2040 IL

Focus Area	Total Asset	City Hall (WF = 10) Asset number - Sensitivty Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	10 Score
TI	1			1	3.000	30.00
NBI					0.000	0.00
HI					0.000	0.00

SLR 2040 IH

Focus Area	Total Asset	City Hall (WF = 10) Asset number - Sensitivty Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	10 Score
TI	1			1	3.000	30.00
NBI					0.000	0.00
HI					0.000	0.00

SLR 2070 IL

Focus Area	Total Asset	City Hall (WF = 10) Asset number - Sensitivty Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	10 Score
TI	1			1	3.000	30.00
NBI					0.000	0.00
HI					0.000	0.00

SLR 2070 IH

Focus Area	Total Asset	City Hall (WF = 10) Asset number - Sensitivty Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	10 Score
TI	1			1	3.000	30.00
NBI					0.000	0.00
HI					0.000	0.00

Focus Area	Future Community Center (WF = 8)					8
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	1	1			1.000	8.00
NBI					0.000	0.00
HI					0.000	0.00

Focus Area	Health Care Facility (WF = 10)					10
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	1		1		2.000	20.00
NBI					0.000	0.00
HI					0.000	0.00

Focus Area	Future Community Center (WF = 8)					8
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	1	1			1.000	8.00
NBI					0.000	0.00
HI					0.000	0.00

Focus Area	Health Care Facility (WF = 10)					10
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	1		1		2.000	20.00
NBI					0.000	0.00
HI					0.000	0.00

Focus Area	Future Community Center (WF = 8)					8
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	1	1			1.000	8.00
NBI					0.000	0.00
HI					0.000	0.00

Focus Area	Health Care Facility (WF = 10)					10
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	1		1		2.000	20.00
NBI					0.000	0.00
HI					0.000	0.00

Focus Area	Future Community Center (WF = 8)					8
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	1	1			1.000	8.00
NBI					0.000	0.00
HI					0.000	0.00

Focus Area	Health Care Facility (WF = 10)					10
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	1			1	3.000	30.00
NBI					0.000	0.00
HI					0.000	0.00

	School Building (WF = 7)					7
		Sensitivity Level				
Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4			4	12.000	84.00
NBI					0.000	0.00
HI					0.000	0.00

	Future City Hall (WF = 10)					10
		Sensitivity Level				
	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
					0.000	0.00
					0.000	0.00
	1	1			1.000	10.00

	School Building (WF = 7)					7
		Sensitivity Level				
Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4			4	12.000	84.00
NBI					0.000	0.00
HI					0.000	0.00

	Future City Hall (WF = 10)					10
		Sensitivity Level				
	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
					0.000	0.00
					0.000	0.00
	1	1			1.000	10.00

	School Building (WF = 7)					7
		Sensitivity Level				
Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4			4	12.000	84.00
NBI					0.000	0.00
HI					0.000	0.00

	Future City Hall (WF = 10)					10
		Sensitivity Level				
	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
					0.000	0.00
					0.000	0.00
	1	1			1.000	10.00

	School Building (WF = 7)					7
		Sensitivity Level				
Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4			4	12.000	84.00
NBI					0.000	0.00
HI					0.000	0.00

	Future City Hall (WF = 10)					10
		Sensitivity Level				
	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
					0.000	0.00
					0.000	0.00
	1	1			1.000	10.00

	School Building (WF = 7)					7
		Sensitivity Level				
Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4			4	12.000	84.00
NBI					0.000	0.00
HI					0.000	0.00

	Future City Hall (WF = 10)					10
		Sensitivity Level				
	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
					0.000	0.00
					0.000	0.00
	1	1			1.000	10.00

Focus Area	School Open Area (WF = 5)					5
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	3	2	1		4.000	20.00
NBI					0.000	0.00
HI					0.000	0.00

Evacuation Route (WF = 5)					5
Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
1	1			1.000	5.00
0.5	1			0.500	2.50
0.5	1			0.500	2.50

Focus Area	School Open Area (WF = 5)					5
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	3	2	1		4.000	20.00
NBI					0.000	0.00
HI					0.000	0.00

Evacuation Route (WF = 5)					5
Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
1	1			1.000	5.00
0.5	1			0.500	2.50
0.5	1			0.500	2.50

Focus Area	School Open Area (WF = 5)					5
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	3	2	1		4.000	20.00
NBI					0.000	0.00
HI					0.000	0.00

Evacuation Route (WF = 5)					5
Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
1	1			1.000	5.00
0.5	1			0.500	2.50
0.5	1			0.500	2.50

Focus Area	School Open Area (WF = 5)					5
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	3		1	2	8.000	40.00
NBI					0.000	0.00
HI					0.000	0.00

Evacuation Route (WF = 5)					5
Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
1		1		2.000	10.00
0.5	1			0.500	2.50
0.5	1			0.500	2.50

	Primary Roads (WF = 3)					3
Focus Area	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4	2		2	8.000	24.00
NBI	6	1		5	16.000	48.00
HI	3	1	2		5.000	15.00

	Bus Routes (WF = 1)					1
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
	1	1			1.000	1.00
	0.5	1			0.500	0.50
	0.5	1			0.500	0.50

	Primary Roads (WF = 3)					3
Focus Area	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4	2		2	8.000	24.00
NBI	6	1		5	16.000	48.00
HI	3	1	2		5.000	15.00

	Bus Routes (WF = 1)					1
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
	1	1			1.000	1.00
	0.5	1			0.500	0.50
	0.5	1			0.500	0.50

	Primary Roads (WF = 3)					3
Focus Area	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4	2		2	8.000	24.00
NBI	6	1		5	16.000	48.00
HI	3	1	2		5.000	15.00

	Bus Routes (WF = 1)					1
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
	1	1			1.000	1.00
	0.5	1			0.500	0.50
	0.5	1			0.500	0.50

	Primary Roads (WF = 3)					3
Focus Area	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	4			4	12.000	36.00
NBI	6		1	5	17.000	51.00
HI	3		2	1	7.000	21.00

	Bus Routes (WF = 1)					1
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
	1		1		2.000	2.00
	0.5	1			0.500	0.50
	0.5	1			0.500	0.50

Focus Area	Bus Stops (WF = 1)					1	Outfalls (WF = 7)					7
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	6		2	4	16.000	16.00	12	1	3	8	31.000	217.00
NBI	1			1	3.000	3.00	11			11	33.000	231.00
HI	1			1	3.000	3.00	13	1	5	7	32.000	224.00

Focus Area	Bus Stops (WF = 1)					1	Outfalls (WF = 7)					7
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	6		2	4	16.000	16.00	12	1	2	9	32.000	224.00
NBI	1			1	3.000	3.00	11			11	33.000	231.00
HI	1			1	3.000	3.00	13	1	5	7	32.000	224.00

Focus Area	Bus Stops (WF = 1)					1	Outfalls (WF = 7)					7
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	6		2	4	16.000	16.00	12	1	1	10	33.000	231.00
NBI	1			1	3.000	3.00	11			11	33.000	231.00
HI	1			1	3.000	3.00	13	1	5	7	32.000	224.00

Focus Area	Bus Stops (WF = 1)					1	Outfalls (WF = 7)					7
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	6		2	4	16.000	16.00	12	1	0	11	34.000	238.00
NBI	1			1	3.000	3.00	11			11	33.000	231.00
HI	1			1	3.000	3.00	13	1	5	7	32.000	224.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)				7	Parks (WF = 3)				3
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	3	1		2	7.000	49.00					0.000	0.00
NBI					0.000	0.00					0.000	0.00
HI	1		1		2.000	14.00	2		2		6.000	18.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)				7	Parks (WF = 3)				3
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	3	1		2	7.000	49.00					0.000	0.00
NBI					0.000	0.00					0.000	0.00
HI	1		1		2.000	14.00	2		2		6.000	18.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)				7	Parks (WF = 3)				3
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	3	1		2	7.000	49.00					0.000	0.00
NBI					0.000	0.00					0.000	0.00
HI	1		1		2.000	14.00	2		2		6.000	18.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)				7	Parks (WF = 3)				3
	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score	Total Asset	Sensitivity Level E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
TI	3	1		2	7.000	49.00					0.000	0.00
NBI					0.000	0.00					0.000	0.00
HI	1			1	3.000	21.00	2		2		6.000	18.00

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	474.0	37	TI	1
NBI	285.0	19	NBI	3
HI	287.0	22	HI	2

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	481.0	37	TI	1
NBI	285.0	19	NBI	3
HI	287.0	22	HI	2

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	488.0	37	TI	1
NBI	285.0	19	NBI	3
HI	287.0	22	HI	2

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	543.0	37	TI	1
NBI	288.0	19	NBI	3
HI	300.0	22	HI	2

Appendix AN – FPSS Calculation Sheets for Category 1 Storm Surge Conditions

		City Hall (WF = 10)				10
			Asset number - Sensitivty Level			
	Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
Cat 1 2040 IL	TI	1			1	3.000	30.00
	NBI					0.000	0.00
	HI					0.000	0.00

		City Hall (WF = 10)				10
			Asset number - Sensitivty Level			
	Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
Cat 1 2040 IH	TI	1			1	3.000	30.00
	NBI					0.000	0.00
	HI					0.000	0.00

		City Hall (WF = 10)				10
			Asset number - Sensitivty Level			
	Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
Cat 1 2070 IL	TI	1			1	3.000	30.00
	NBI					0.000	0.00
	HI					0.000	0.00

		City Hall (WF = 10)				10
			Asset number - Sensitivty Level			
	Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
Cat 1 2070 IH	TI	1			1	3.000	30.00
	NBI					0.000	0.00
	HI					0.000	0.00

Focus Area	Future Community Center (WF = 8)			8
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	1	1	3.000	24.00
NBI			0.000	0.00
HI			0.000	0.00

Focus Area	Health Care Facility (WF = 10)			10
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	30.00
			0.000	0.00
			0.000	0.00

Focus Area	Future Community Center (WF = 8)			8
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	1	1	3.000	24.00
NBI			0.000	0.00
HI			0.000	0.00

Focus Area	Health Care Facility (WF = 10)			10
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	30.00
			0.000	0.00
			0.000	0.00

Focus Area	Future Community Center (WF = 8)			8
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	1	1	3.000	24.00
NBI			0.000	0.00
HI			0.000	0.00

Focus Area	Health Care Facility (WF = 10)			10
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	30.00
			0.000	0.00
			0.000	0.00

Focus Area	Future Community Center (WF = 8)			8
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	1	1	3.000	24.00
NBI			0.000	0.00
HI			0.000	0.00

Focus Area	Health Care Facility (WF = 10)			10
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	30.00
			0.000	0.00
			0.000	0.00

	School Building (WF = 7)				7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
TI	4		4	12.000	84.00
NBI				0.000	0.00
HI				0.000	0.00

	Future City Hall (WF = 10)				10
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
				0.000	0.00
				0.000	0.00
	1		1	3.000	30.00

	School Building (WF = 7)				7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
TI	4		4	12.000	84.00
NBI				0.000	0.00
HI				0.000	0.00

	Future City Hall (WF = 10)				10
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
				0.000	0.00
				0.000	0.00
	1		1	3.000	30.00

	School Building (WF = 7)				7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
TI	4		4	12.000	84.00
NBI				0.000	0.00
HI				0.000	0.00

	Future City Hall (WF = 10)				10
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
				0.000	0.00
				0.000	0.00
	1		1	3.000	30.00

	School Building (WF = 7)				7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
TI	4		4	12.000	84.00
NBI				0.000	0.00
HI				0.000	0.00

	Future City Hall (WF = 10)				10
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
				0.000	0.00
				0.000	0.00
	1		1	3.000	30.00

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1	1		3.000	15.00
0.5	1		1.500	7.50
0.5	1		1.500	7.50

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1	1		3.000	15.00
0.5	1		1.500	7.50
0.5	1		1.500	7.50

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1	1		3.000	15.00
0.5	1		1.500	7.50
0.5	1		1.500	7.50

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1	1		3.000	15.00
0.5	1		1.500	7.50
0.5	1		1.500	7.50

Focus Area	Primary Roads (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	36.00
NBI	6	6	18.000	54.00
HI	3	3	9.000	27.00

	Bus Routes (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	3.00
	0.5	1	1.500	1.50
	0.5	1	1.500	1.50

Focus Area	Primary Roads (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	36.00
NBI	6	6	18.000	54.00
HI	3	3	9.000	27.00

	Bus Routes (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	3.00
	0.5	1	1.500	1.50
	0.5	1	1.500	1.50

Focus Area	Primary Roads (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	36.00
NBI	6	6	18.000	54.00
HI	3	3	9.000	27.00

	Bus Routes (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	3.00
	0.5	1	1.500	1.50
	0.5	1	1.500	1.50

Focus Area	Primary Roads (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	36.00
NBI	6	6	18.000	54.00
HI	3	3	9.000	27.00

	Bus Routes (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	3.00
	0.5	1	1.500	1.50
	0.5	1	1.500	1.50

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	12	12	36.000	252.00
	11	11	33.000	231.00
	13	13	39.000	273.00

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	12	12	36.000	252.00
	11	11	33.000	231.00
	13	13	39.000	273.00

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	12	12	36.000	252.00
	11	11	33.000	231.00
	13	13	39.000	273.00

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	12	12	36.000	252.00
	11	11	33.000	231.00
	13	13	39.000	273.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

Parks (WF = 3)			3
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
		0.000	0.00
		0.000	0.00
2	2	6.000	18.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

Parks (WF = 3)			3
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
		0.000	0.00
		0.000	0.00
2	2	6.000	18.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

Parks (WF = 3)			3
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
		0.000	0.00
		0.000	0.00
2	2	6.000	18.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

Parks (WF = 3)			3
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
		0.000	0.00
		0.000	0.00
2	2	6.000	18.00

Focus Area	Sanitary Sewer Pump Stations (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

Parks (WF = 3)			3
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
		0.000	0.00
		0.000	0.00
2	2	6.000	18.00

Cat 1 2040 IL

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	600.0	37	TI	1
NBI	297.0	19	NBI	3
HI	381.0	22	HI	2

Cat 1 2040 IH

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	600.0	37	TI	1
NBI	297.0	19	NBI	3
HI	381.0	22	HI	2

Cat 1 2070 IL

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	600.0	37	TI	1
NBI	297.0	19	NBI	3
HI	381.0	22	HI	2

Cat 1 2070 IH

Focus Area	FPSS	al Number of As	Focus Area	Rank
TI	600.0	37	TI	1
NBI	297.0	19	NBI	3
HI	381.0	22	HI	2

Appendix AO – FPSS Calculation Sheets for Category 5 Storm Surge Conditions

		City Hall (WF = 10)				10
			Asset number - Sensitivty Level			
	Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
Cat 5 2040 IL	TI	1			1	3.000	30.00
	NBI					0.000	0.00
	HI					0.000	0.00

		City Hall (WF = 10)				10
			Asset number - Sensitivty Level			
	Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
Cat 5 2040 IH	TI	1			1	3.000	30.00
	NBI					0.000	0.00
	HI					0.000	0.00

		City Hall (WF = 10)				10
			Asset number - Sensitivty Level			
	Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
Cat 5 2070 IL	TI	1			1	3.000	30.00
	NBI					0.000	0.00
	HI					0.000	0.00

		City Hall (WF = 10)				10
			Asset number - Sensitivty Level			
	Focus Area	Total Asset	E1= Low	E2= Medium	E3= High	NA(i) X E(i)	Score
Cat 5 2070 IH	TI	1			1	3.000	30.00
	NBI					0.000	0.00
	HI					0.000	0.00

	Future Community Center (WF = 8)			8
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	1	1	3.000	24.00
NBI			0.000	0.00
HI			0.000	0.00

	Health Care Facility (WF = 10)			10
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1	1		3.000	30.00
			0.000	0.00
			0.000	0.00

	Future Community Center (WF = 8)			8
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	1	1	3.000	24.00
NBI			0.000	0.00
HI			0.000	0.00

	Health Care Facility (WF = 10)			10
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1	1		3.000	30.00
			0.000	0.00
			0.000	0.00

	Future Community Center (WF = 8)			8
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	1	1	3.000	24.00
NBI			0.000	0.00
HI			0.000	0.00

	Health Care Facility (WF = 10)			10
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1	1		3.000	30.00
			0.000	0.00
			0.000	0.00

	Future Community Center (WF = 8)			8
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	1	1	3.000	24.00
NBI			0.000	0.00
HI			0.000	0.00

	Health Care Facility (WF = 10)			10
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1	1		3.000	30.00
			0.000	0.00
			0.000	0.00

	School Building (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	84.00
NBI			0.000	0.00
HI			0.000	0.00

	Future City Hall (WF = 10)			10
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
1	1		3.000	30.00

	School Building (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	84.00
NBI			0.000	0.00
HI			0.000	0.00

	Future City Hall (WF = 10)			10
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
1	1		3.000	30.00

	School Building (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	84.00
NBI			0.000	0.00
HI			0.000	0.00

	Future City Hall (WF = 10)			10
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
1	1		3.000	30.00

	School Building (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	84.00
NBI			0.000	0.00
HI			0.000	0.00

	Future City Hall (WF = 10)			10
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
1	1		3.000	30.00

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1		1	3.000	15.00
0.5		1	1.500	7.50
0.5		1	1.500	7.50

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1		1	3.000	15.00
0.5		1	1.500	7.50
0.5		1	1.500	7.50

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1		1	3.000	15.00
0.5		1	1.500	7.50
0.5		1	1.500	7.50

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1		1	3.000	15.00
0.5		1	1.500	7.50
0.5		1	1.500	7.50

	School Open Area (WF = 5)			5
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	45.00
NBI			0.000	0.00
HI			0.000	0.00

	Evacuation Route (WF = 5)			5
Total Asset	Sensitivity Level E1= Low E2= Medium E3= High		NA(i) X E(i)	Score
1		1	3.000	15.00
0.5		1	1.500	7.50
0.5		1	1.500	7.50

	Primary Roads (WF = 3)			3
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	36.00
NBI	6	6	18.000	54.00
HI	3	3	9.000	27.00

	Bus Routes (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	3.00
	0.5	1	1.500	1.50
	0.5	1	1.500	1.50

	Primary Roads (WF = 3)			3
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	36.00
NBI	6	6	18.000	54.00
HI	3	3	9.000	27.00

	Bus Routes (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	3.00
	0.5	1	1.500	1.50
	0.5	1	1.500	1.50

	Primary Roads (WF = 3)			3
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	36.00
NBI	6	6	18.000	54.00
HI	3	3	9.000	27.00

	Bus Routes (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	3.00
	0.5	1	1.500	1.50
	0.5	1	1.500	1.50

	Primary Roads (WF = 3)			3
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	4	4	12.000	36.00
NBI	6	6	18.000	54.00
HI	3	3	9.000	27.00

	Bus Routes (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
	1	1	3.000	3.00
	0.5	1	1.500	1.50
	0.5	1	1.500	1.50

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
12	12	12	36.000	252.00
11	11	11	33.000	231.00
13	13	13	39.000	273.00

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
12	12	12	36.000	252.00
11	11	11	33.000	231.00
13	13	13	39.000	273.00

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
12	12	12	36.000	252.00
11	11	11	33.000	231.00
13	13	13	39.000	273.00

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
12	12	12	36.000	252.00
11	11	11	33.000	231.00
13	13	13	39.000	273.00

Focus Area	Bus Stops (WF = 1)			1
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	6	6	18.000	18.00
NBI	1	1	3.000	3.00
HI	1	1	3.000	3.00

	Outfalls (WF = 7)			7
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
12	12	12	36.000	252.00
11	11	11	33.000	231.00
13	13	13	39.000	273.00

	Sanitary Sewer Pump Stations (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

	Parks (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
	2	2	6.000	18.00

	Sanitary Sewer Pump Stations (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

	Parks (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
	2	2	6.000	18.00

	Sanitary Sewer Pump Stations (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

	Parks (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
	2	2	6.000	18.00

	Sanitary Sewer Pump Stations (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

	Parks (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
	2	2	6.000	18.00

	Sanitary Sewer Pump Stations (WF = 7)			7
Focus Area	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
TI	3	3	9.000	63.00
NBI			0.000	0.00
HI	1	1	3.000	21.00

	Parks (WF = 3)			3
	Total Asset	Sensitivity Level E1= Low E2= Medium E3= High	NA(i) X E(i)	Score
			0.000	0.00
			0.000	0.00
	2	2	6.000	18.00

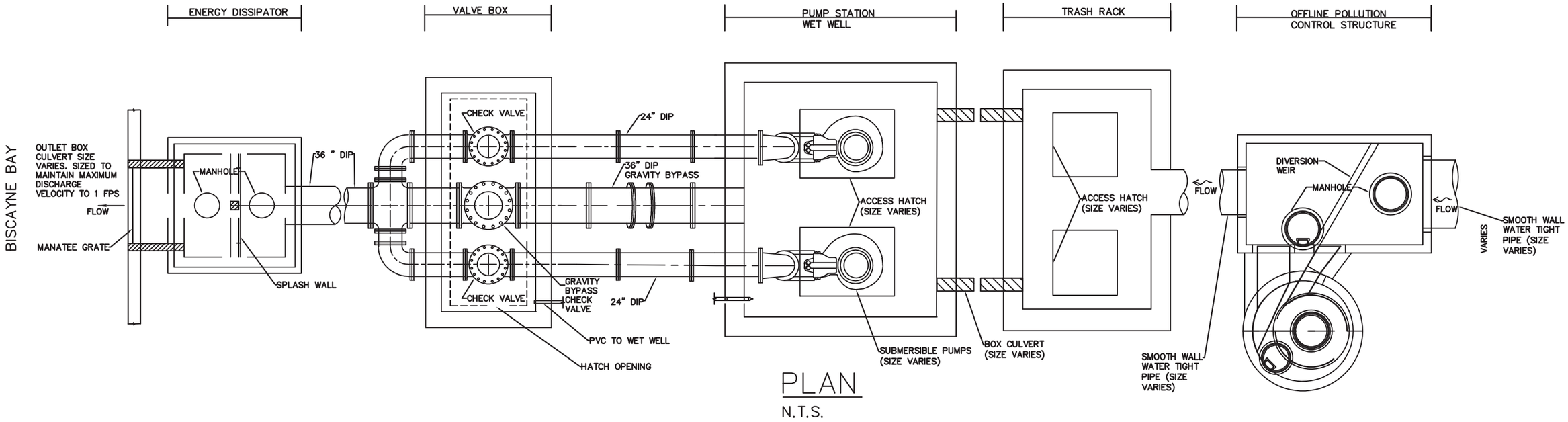
Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	600.0	37	TI	1
NBI	297.0	19	NBI	3
HI	381.0	22	HI	2

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	600.0	37	TI	1
NBI	297.0	19	NBI	3
HI	381.0	22	HI	2

Focus Area	FPSS	Total Number of Assets	Focus Area	Rank
TI	600.0	37	TI	1
NBI	297.0	19	NBI	3
HI	381.0	22	HI	2

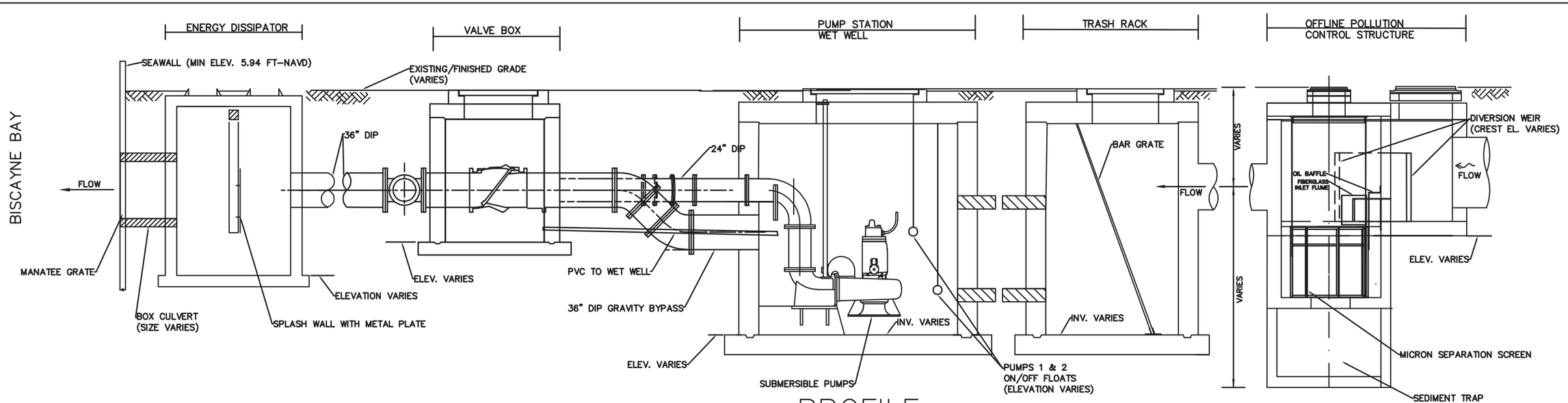
Focus Area	FPSS	al Number of As	Focus Area	Rank
TI	600.0	37	TI	1
NBI	297.0	19	NBI	3
HI	381.0	22	HI	2

Appendix AP – Pump Station System



PLAN

N.T.S.



PROFILE

N.T.S.

STORMWATER PUMP STATION
TYPICAL DETAIL

Appendix AQ – Map of Proposed Improvements for North Bay Island

NORTH BAY ISLAND

PROPOSED IMPROVEMENTS

Legend

- Proposed Inlet
- Proposed Manhole
- Proposed Backflow Preventor
- Proposed 24,200 GPM Pump Station

Proposed Storm Culvert (in.)

- 18
- 24
- 30
- 36
- 42
- 48
- 54
- 60
- 66

- Private Seawall Raising (5.94' NAVD88)
- Proposed Roadway Raising (~2FT)

0 100 200 Feet

N W E S

EAST DR
HARBOR
79TH STREET CSWY
LARRY PASKOW WAY
79TH PKWY
CENTER BAY DR
COQUINA DR
BEACH VIEW DR
MIAMI VIEW DR
BAY TER

Appendix AR – North Bay Island 2060 High CIP Flood Map

NORTH BAY ISLAND
FUTURE CONDITIONS (2060)
(5-YEAR 24-HOUR DESIGN STORM)

NORTH BAY ISLAND
PROPOSED CIP CONDITIONS (2060)
(5-YEAR 24-HOUR DESIGN STORM)

79TH STREET CSWY
79TH PKWY
CENTER BAY DR
COQUINA DR
BEACH VIEW DR
MIAMI VIEW DR
BAY TER

N
W
E
S

0 125 250 Feet

Legend

Max. Depth of Flooding (ft)

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- ICPR Model Domain
- Streets

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

Note:
Proposed CIP Conditions include two new stormwater pump stations (54 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the North Bay Island's perimeter.

NORTH BAY ISLAND
FUTURE CONDITIONS (2060)
(10-YEAR 24-HOUR DESIGN STORM)

NORTH BAY ISLAND
PROPOSED CIP CONDITIONS (2060)
(10-YEAR 24-HOUR DESIGN STORM)

79TH STREET CSWY
79TH PKWY
CENTER BAY DR
COQUINA DR
BEACH VIEW DR
MIAMI VIEW DR
BAY TER

N
W
E
S

0 125 250 Feet

Legend

Max. Depth of Flooding (ft)

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- ICPR Model Domain
- Streets

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

Note:
Proposed CIP Conditions include two new stormwater pump stations (54 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the North Bay Island's perimeter.

NORTH BAY ISLAND
FUTURE CONDITIONS (2060)
(25-YEAR 72-HOUR DESIGN STORM)

NORTH BAY ISLAND
PROPOSED CIP CONDITIONS (2060)
(25-YEAR 72-HOUR DESIGN STORM)

79TH STREET CSWY
79TH PKWY
CENTER BAY DR
COQUINA DR
BEACH VIEW DR
MIAMI VIEW DR
BAY TER

N
W E
S

0 125 250 Feet

Legend

Max. Depth of Flooding (ft)

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- ICPR Model Domain
- Streets

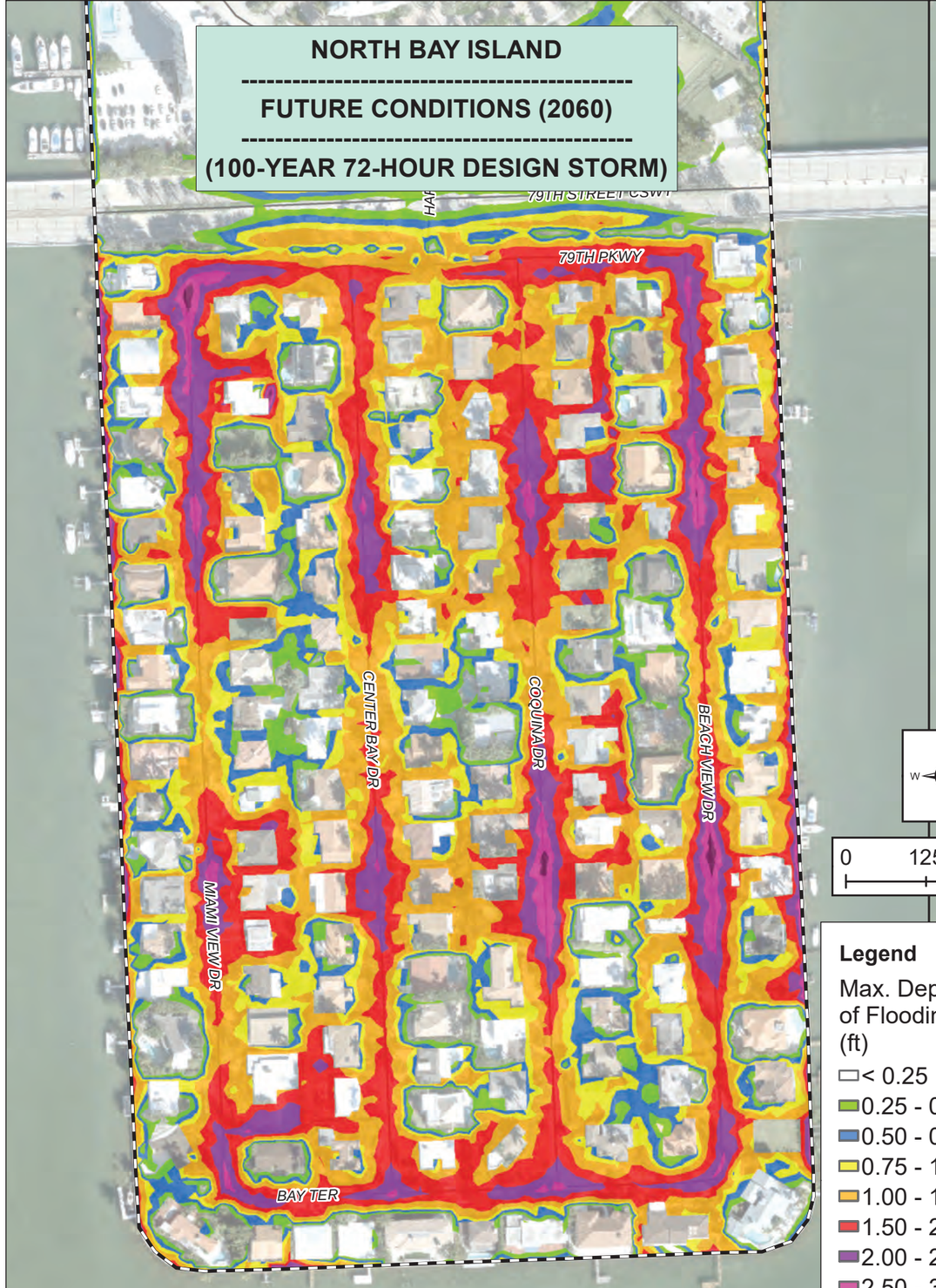
Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

Note:
Proposed CIP Conditions include two new stormwater pump stations (54 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the North Bay Island's perimeter.

NORTH BAY ISLAND

FUTURE CONDITIONS (2060)

(100-YEAR 72-HOUR DESIGN STORM)

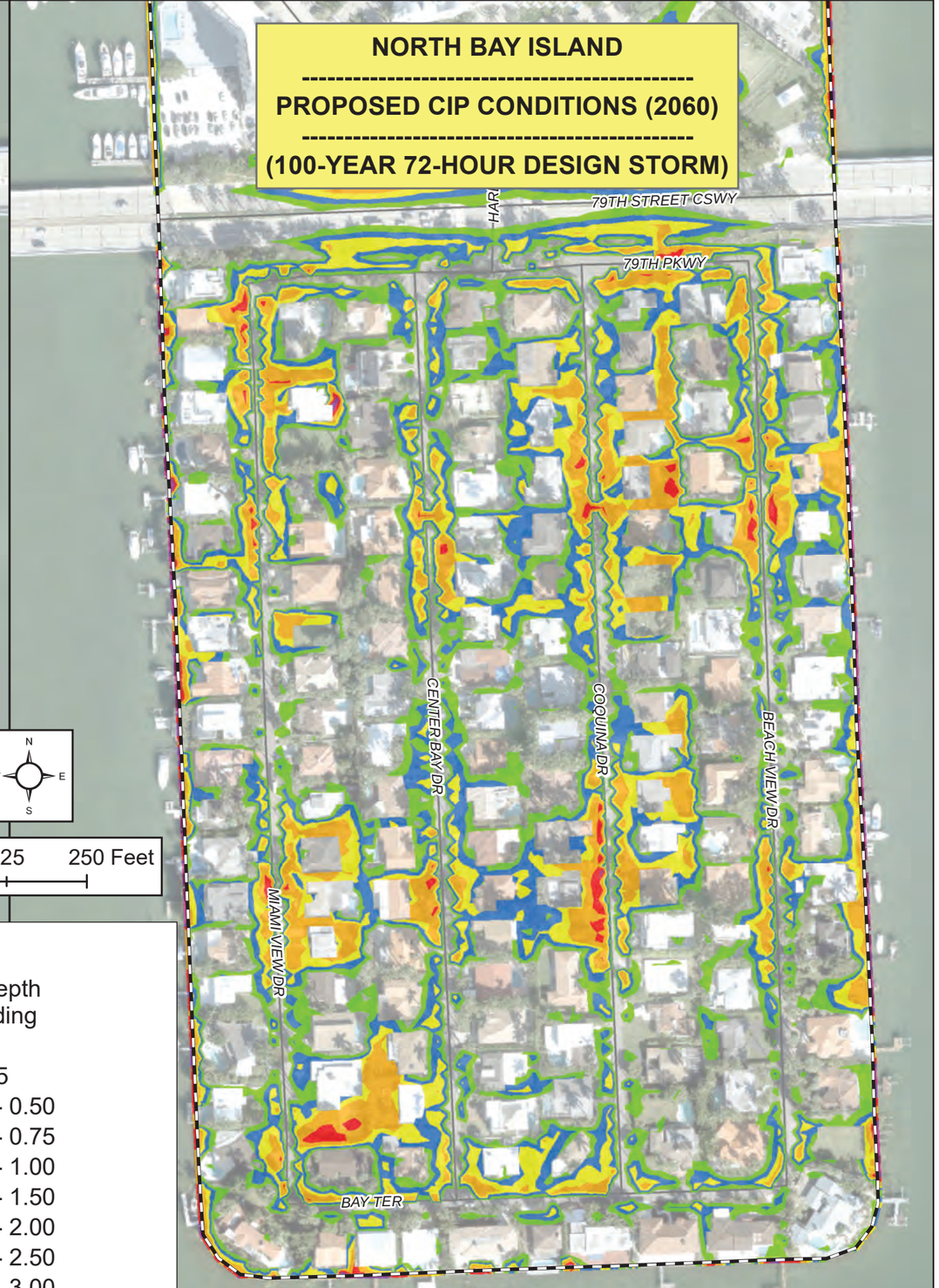


Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

NORTH BAY ISLAND

PROPOSED CIP CONDITIONS (2060)

(100-YEAR 72-HOUR DESIGN STORM)



Note:
Proposed CIP Conditions include two new stormwater pump stations (54 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the North Bay Island's perimeter.

0 125 250 Feet

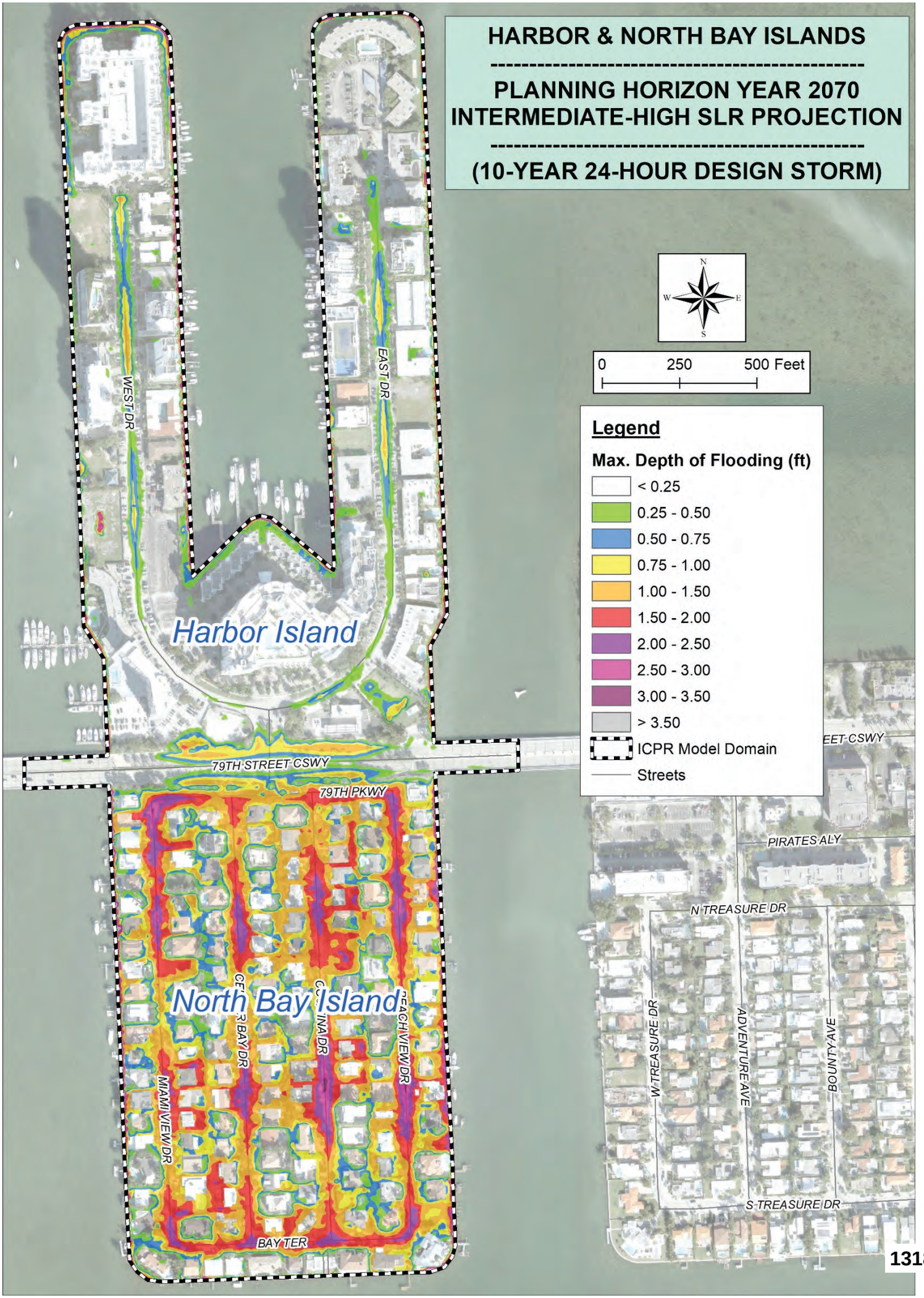
Legend

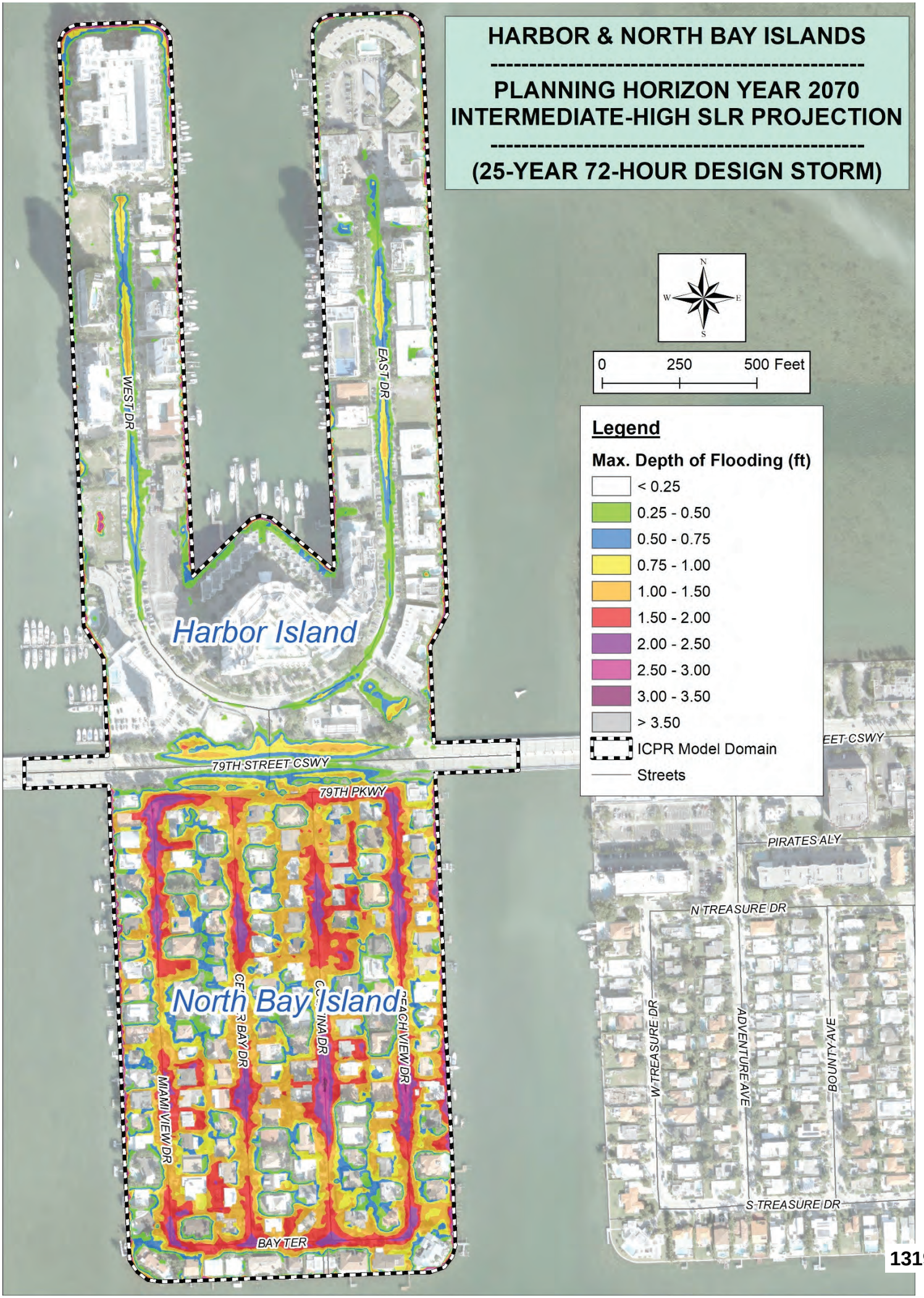
Max. Depth of Flooding (ft)

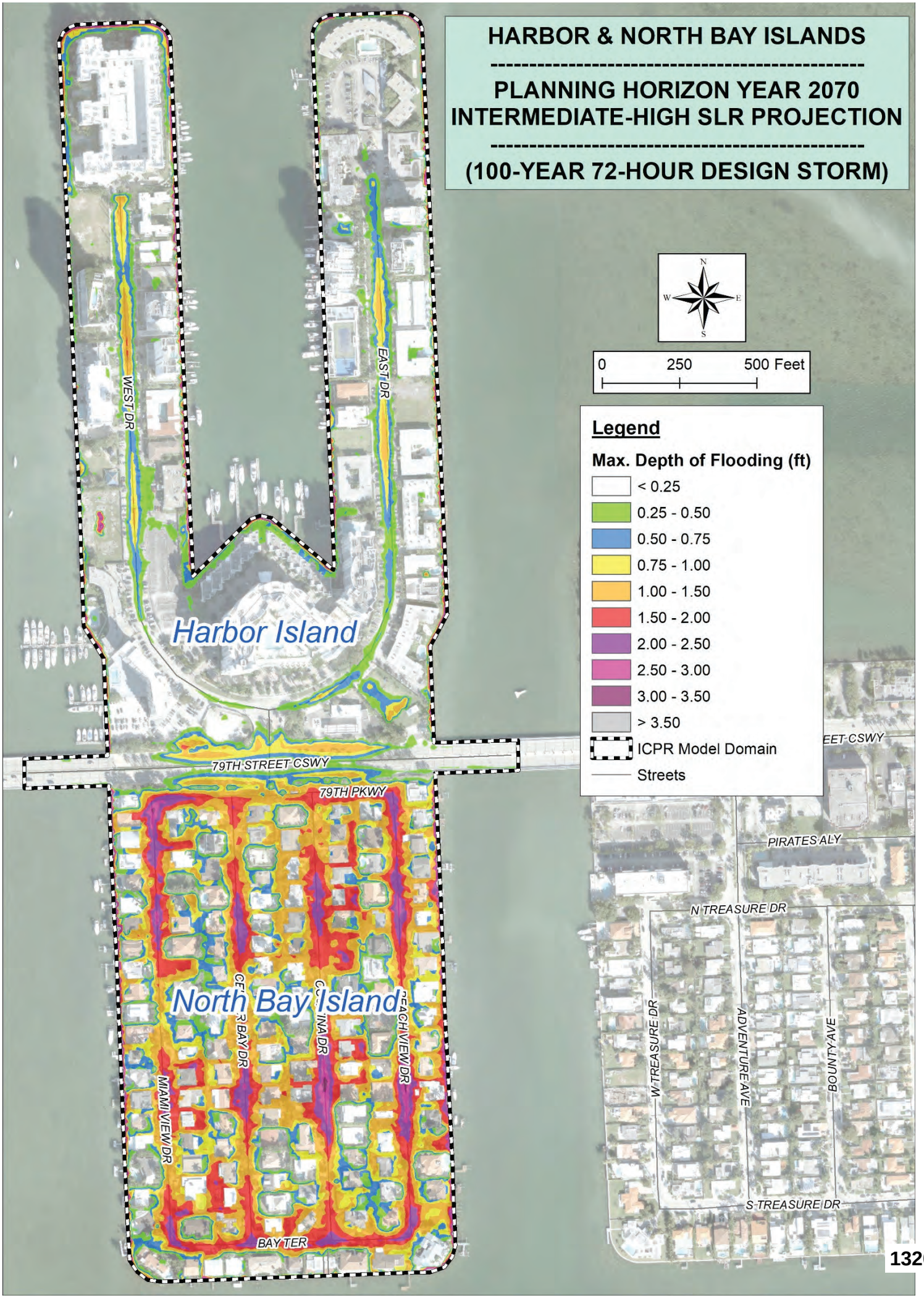
- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- ICPR Model Domain
- Streets

Appendix AS – North Bay Island 2070 Intermediate High Existing Condition Flood Map


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER

Appendix AT – Map of Proposed Improvements for Treasure Island

TREASURE ISLAND

PROPOSED IMPROVEMENTS

Legend

- Proposed Backflow Preventor
- Proposed Manhole
- Proposed Inlet
- Proposed 27,000 GPM Pump Station
- Proposed 40,400 GPM Pump Station

Proposed Storm Culvert (in.)

- 18
- 24
- 30
- 36
- 42
- 48
- 54
- 66
- 72
- Private Seawall Raising (5.94' NAVD88)
- Proposed Roadway Raising (~2FT) & Narrowing

N
W E
S

0 150 300 Feet

79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANIOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST

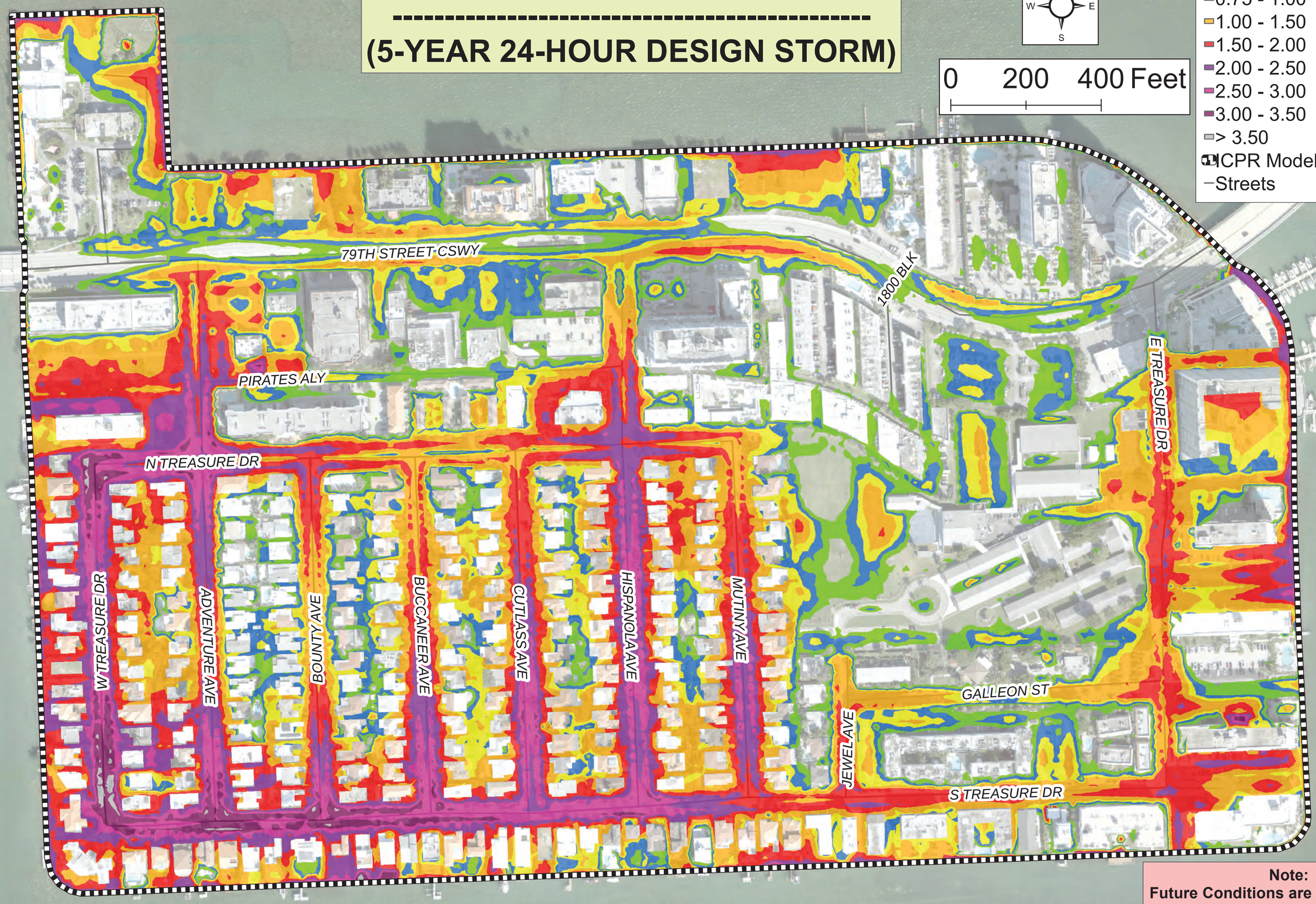
1322

Appendix AU – Treasure Island 2060 High CIP Flood Map

TREASURE ISLAND

FUTURE CONDITIONS (2060)

(5-YEAR 24-HOUR DESIGN STORM)



N
W E
S

0 200 400 Feet

Legend

Max. Depth of Flooding (ft)

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- CPR Model Domain
- Streets

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

TREASURE ISLAND

PROPOSED CIP CONDITIONS (2060)

(5-YEAR 24-HOUR DESIGN STORM)

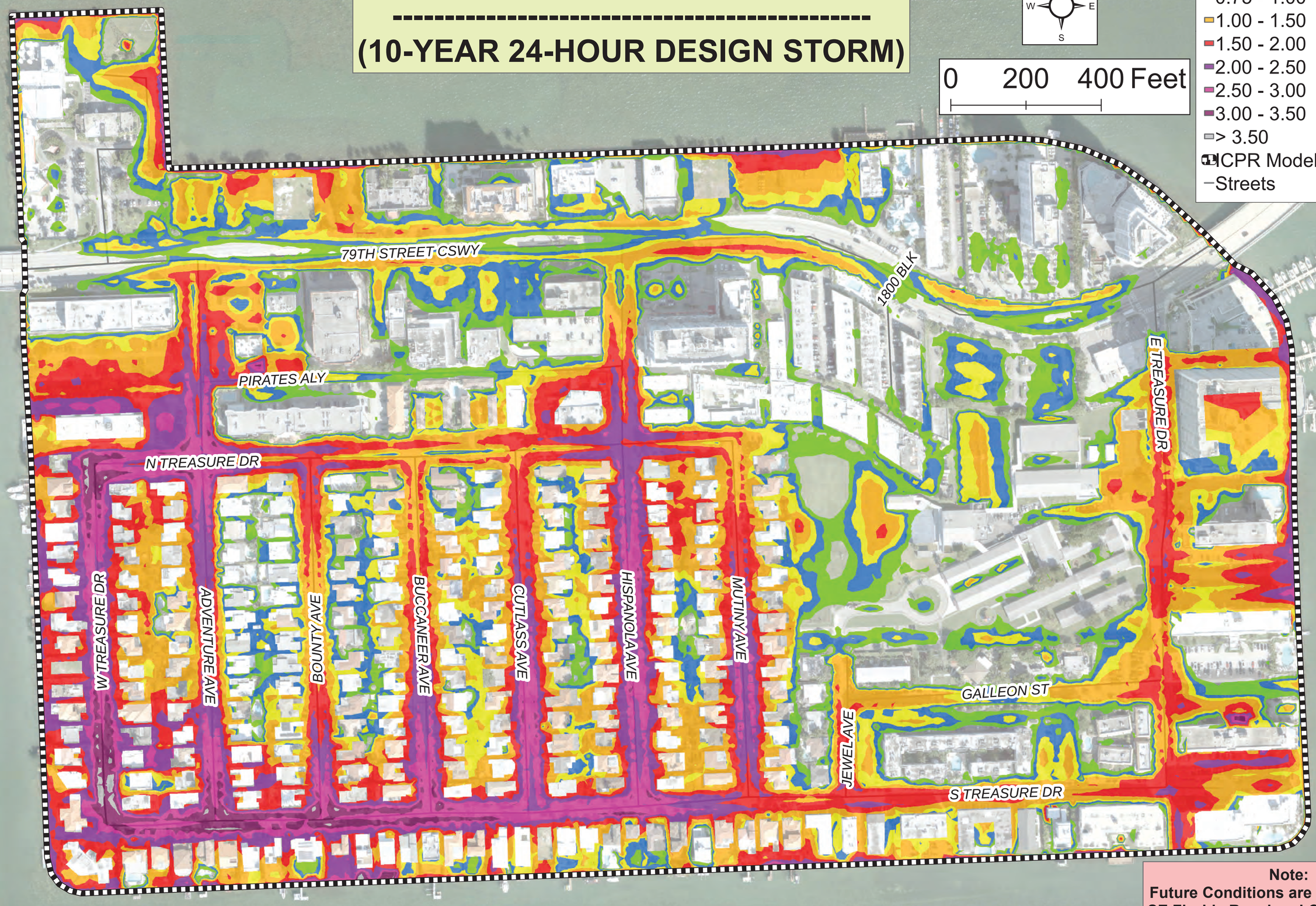


Note:
Proposed CIP Conditions include three new stormwater pump stations (two with 90 cfs capacity, one with 60 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the Treasure Island's perimeter

TREASURE ISLAND

FUTURE CONDITIONS (2060)

(10-YEAR 24-HOUR DESIGN STORM)



Legend

Max. Depth of Flooding (ft)

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- CPR Model Domain
- Streets

N W E S

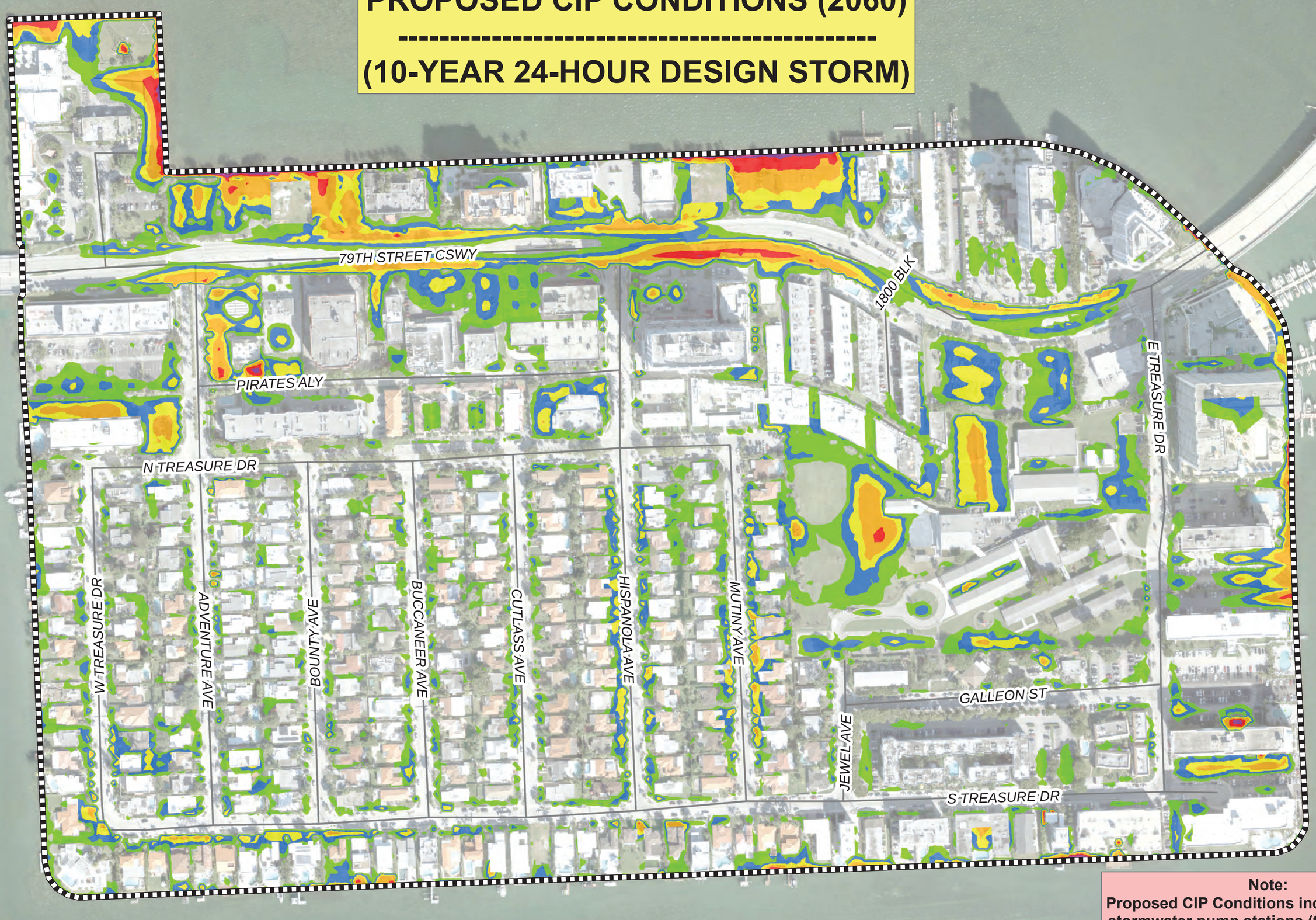
0 200 400 Feet

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

TREASURE ISLAND

PROPOSED CIP CONDITIONS (2060)

(10-YEAR 24-HOUR DESIGN STORM)



Note:
Proposed CIP Conditions include three new stormwater pump stations (two with 90 cfs capacity, one with 60 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the Treasure Island's perimeter

TREASURE ISLAND

FUTURE CONDITIONS (2060)

(25-YEAR 72-HOUR DESIGN STORM)

Legend

Max. Depth of Flooding (ft)

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- CPR Model Domain
- Streets

N W E S

0 200 400 Feet

79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

TREASURE ISLAND

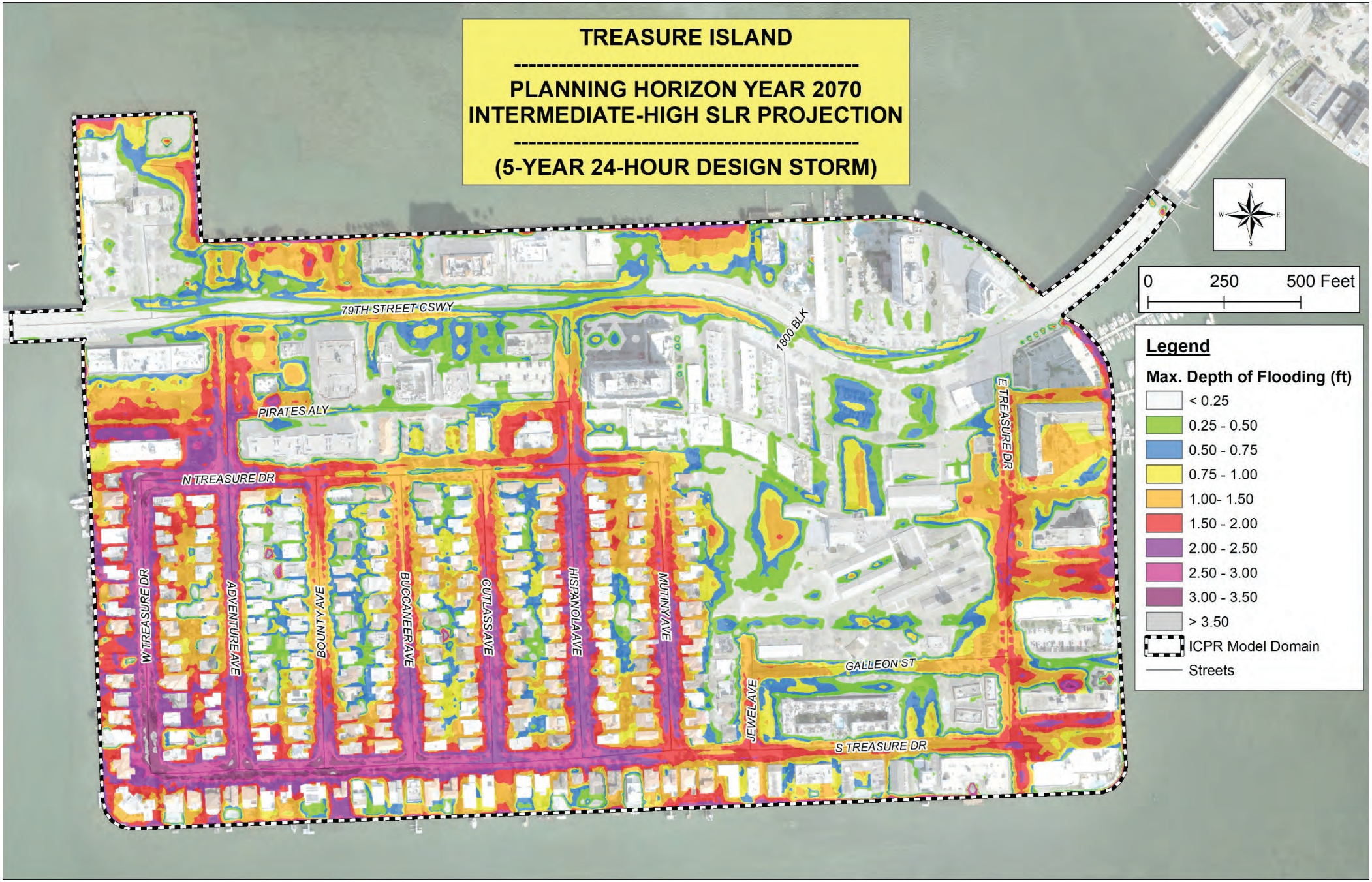
PROPOSED CIP CONDITIONS (2060)

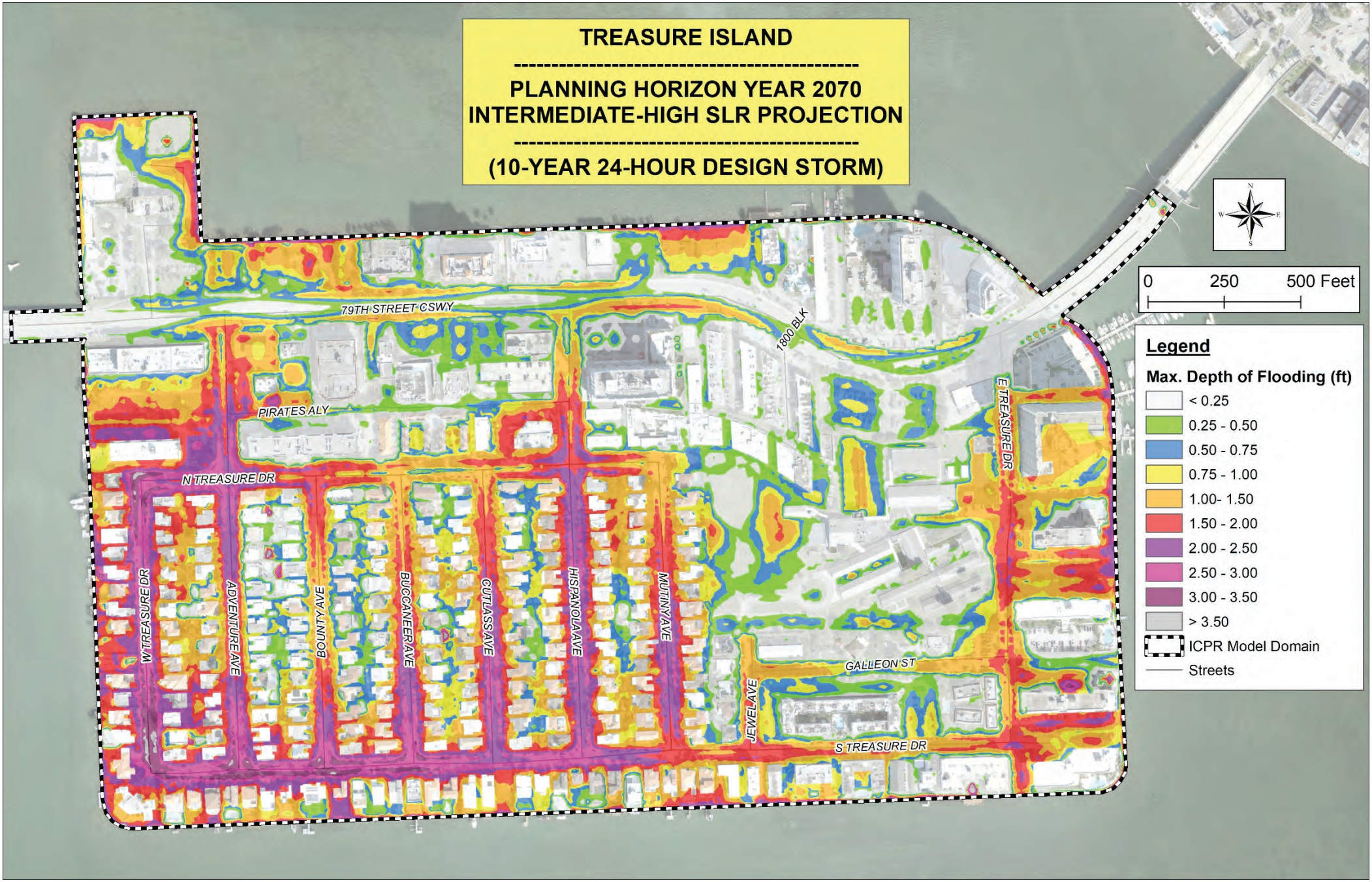
(25-YEAR 72-HOUR DESIGN STORM)

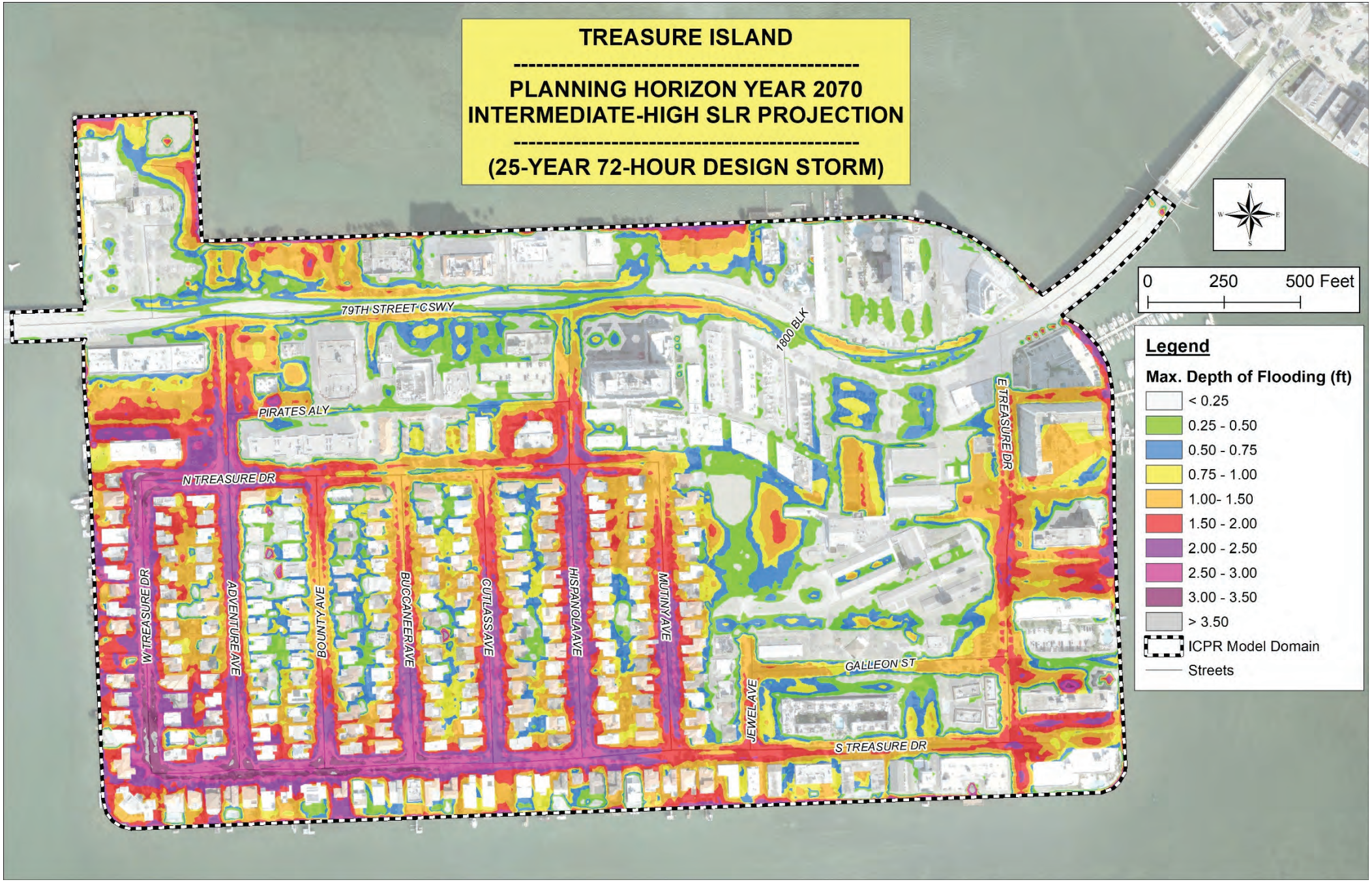
79TH STREET CSWY
1800 BLK
E TREASURE DR
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR

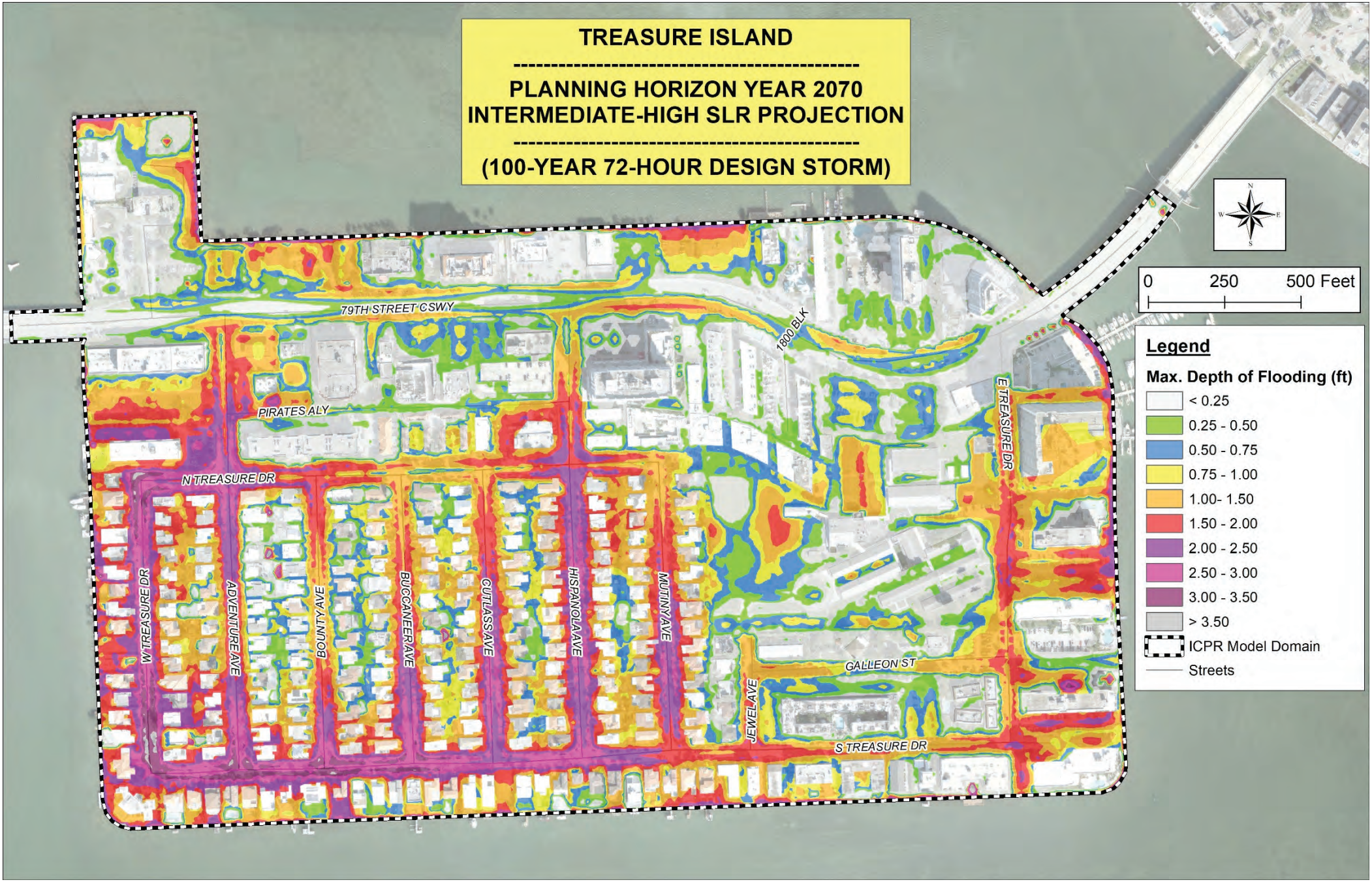
Note:
Proposed CIP Conditions include three new stormwater pump stations (two with 90 cfs capacity, one with 60 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the Treasure Island's perimeter

Appendix AV – Treasure Island 2070 Intermediate High Existing Condition Flood Map


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets


TREASURE ISLAND
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
79TH STREET CSWY
1800 BLK
PIRATES ALY
N TREASURE DR
E TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
BUCCANEER AVE
CUTLASS AVE
HISPANOLA AVE
MUTINY AVE
JEWEL AVE
GALLEON ST
S TREASURE DR
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00- 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets

Appendix AW – Map of Proposed Improvements for Harbor Island

HARBOR ISLAND

PROPOSED IMPROVEMENTS

N
W E
S

0 125 250 Feet

Legend

- Proposed Inlet
- Proposed Manhole
- Proposed Backflow Preventor
- Proposed 18,000 GPM Pump Station

Proposed Storm Culvert (in.)

- 18
- 24
- 30
- 36
- 42
- 48
- 60

- Private Seawall Raising (5.94' NAVD88)

Appendix AX – Harbor Island 2060 High CIP Flood Map

HARBOR ISLAND
FUTURE CONDITIONS (2060)
(5-YEAR 24-HOUR DESIGN STORM)

HARBOR ISLAND
PROPOSED CIP CONDITIONS (2060)
(5-YEAR 24-HOUR DESIGN STORM)

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

Note:
Proposed CIP Conditions include one new stormwater pump stations (40 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the Harbor Island's perimeter.

WEST DR
EAST DR
HARBOR ISLAND DR
79TH STREET CSWY

N
W E
S

0 100 200 Feet

Legend

Max. Depth of Flooding (ft)
- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- ICPR Model Domain
- Streets

HARBOR ISLAND
FUTURE CONDITIONS (2060)
(10-YEAR 24-HOUR DESIGN STORM)

HARBOR ISLAND
PROPOSED CIP CONDITIONS (2060)
(10-YEAR 24-HOUR DESIGN STORM)

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

Note:
Proposed CIP Conditions include one new stormwater pump stations (40 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the Harbor Island's perimeter.

N
W E
S

0 100 200 Feet

Legend

Max. Depth of Flooding (ft)

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- ICPR Model Domain
- Streets

WEST DR
EAST DR
HARBOR ISLAND DR
79TH STREET CSWY

HARBOR ISLAND

FUTURE CONDITIONS (2060)

(25-YEAR 72-HOUR DESIGN STORM)

HARBOR ISLAND

PROPOSED CIP CONDITIONS (2060)

(25-YEAR 72-HOUR DESIGN STORM)

WEST DR

EAST DR

HARBOR ISLAND DR

79TH STREET CSWY

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

Note:
Proposed CIP Conditions include one new stormwater pump stations (40 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the Harbor Island's perimeter.

N
W E
S

0 100 200 Feet

Legend

Max. Depth of Flooding (ft)

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- ICPR Model Domain
- Streets

HARBOR ISLAND
FUTURE CONDITIONS (2060)
(100-YEAR 72-HOUR DESIGN STORM)

HARBOR ISLAND
PROPOSED CIP CONDITIONS (2060)
(100-YEAR 72-HOUR DESIGN STORM)

WEST DR
EAST DR
HARBOR ISLAND DR
79TH STREET CSWY

Note:
Future Conditions are based on 2019 SE Florida Reegional Climate Change Compact Sea-Level Rise Projections for Year 2060 using NOAA's 2017 High Curve.

Note:
Proposed CIP Conditions include one new stormwater pump stations (40 cfs capacity) and construction of 5.94 ft-NAVD88 seawall along the Harbor Island's perimeter.

N
W E
S

0 100 200 Feet

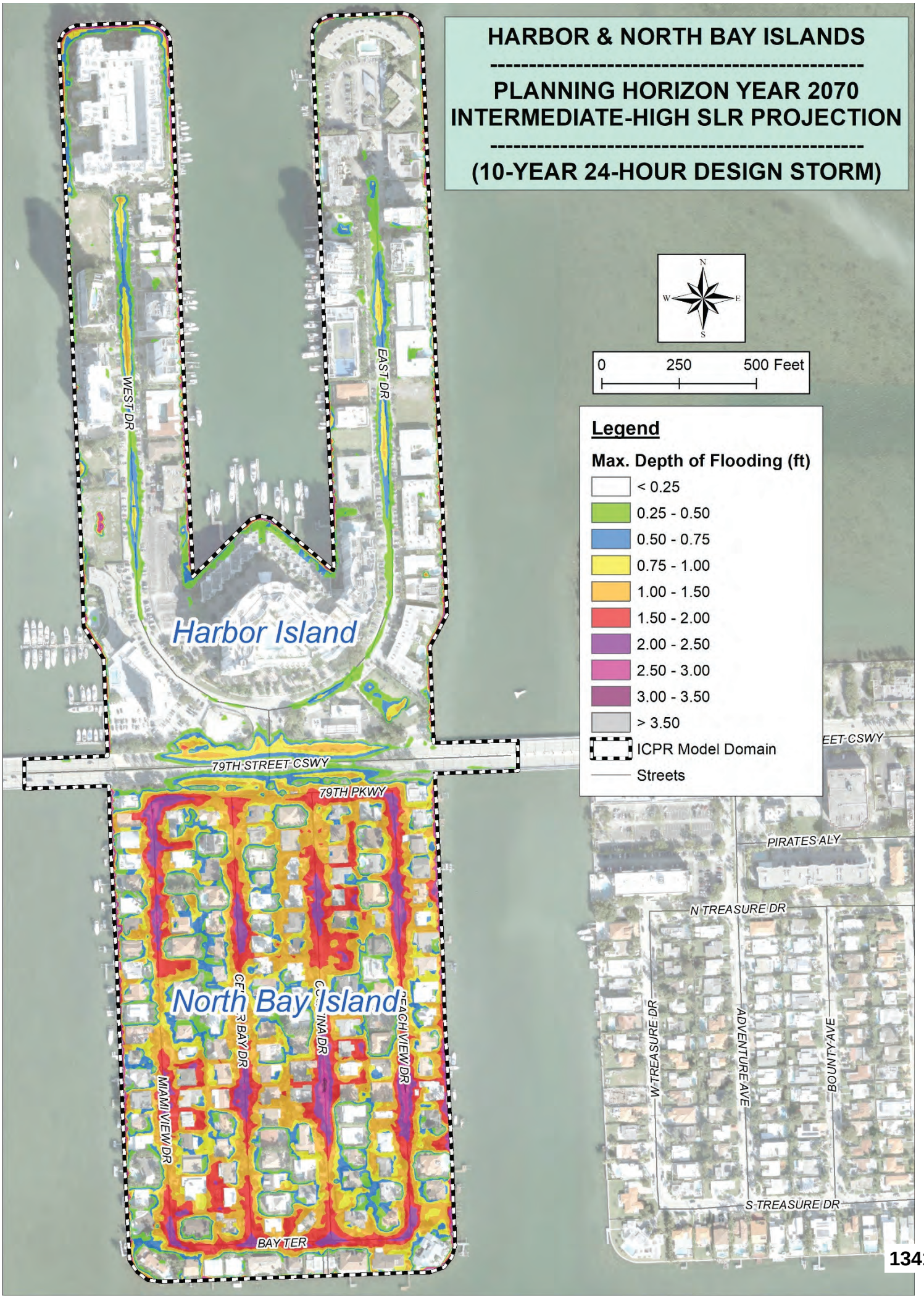
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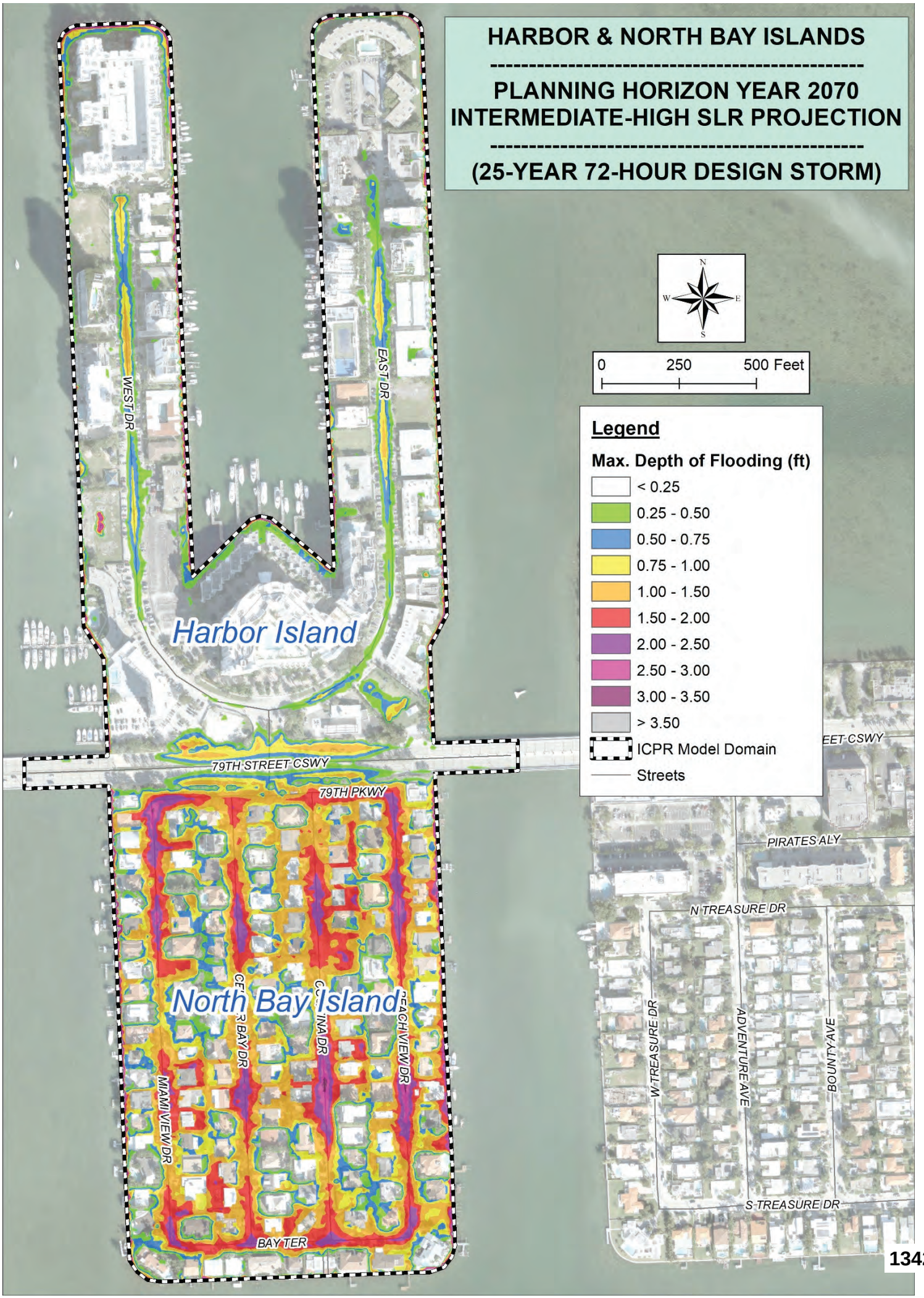
Max. Depth of Flooding (ft)

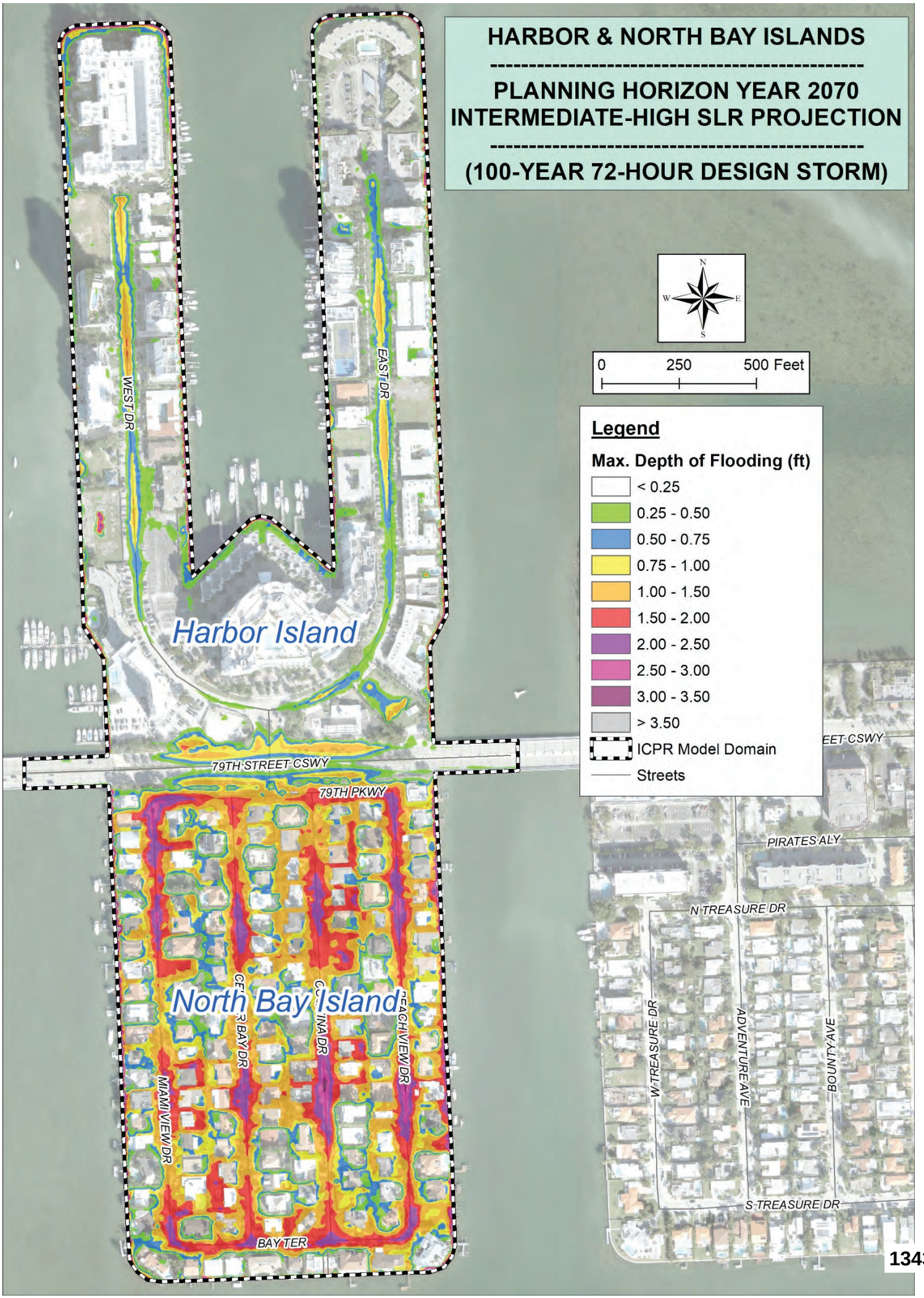
- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50
- > 3.50
- ICPR Model Domain
- Streets

Appendix AY – Harbor Island 2070 Intermediate High Existing Condition Flood Map


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(5-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(10-YEAR 24-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER


HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(25-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
S TREASURE DR
MIAMI VIEW DR
BAY TER

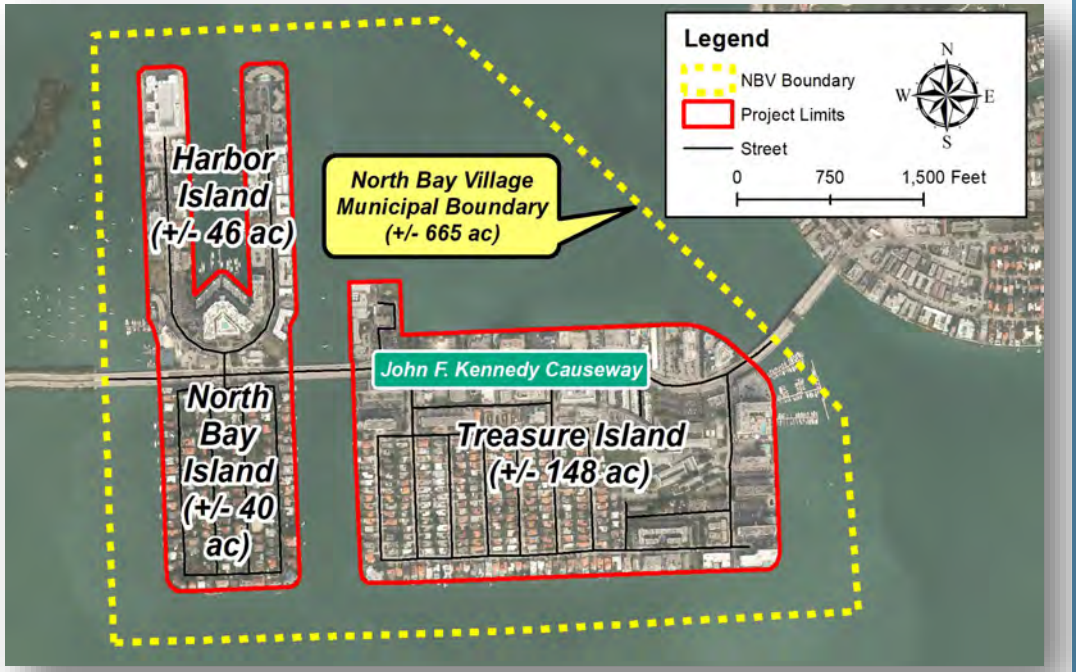

HARBOR & NORTH BAY ISLANDS
PLANNING HORIZON YEAR 2070
INTERMEDIATE-HIGH SLR PROJECTION
(100-YEAR 72-HOUR DESIGN STORM)
N
W
E
S
0
250
500 Feet
Legend
Max. Depth of Flooding (ft)
< 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.50
1.50 - 2.00
2.00 - 2.50
2.50 - 3.00
3.00 - 3.50
> 3.50
ICPR Model Domain
Streets
Harbor Island
North Bay Island
WEST DR
EAST DR
79TH STREET CSWY
79TH PKWY
PIRATES ALY
N TREASURE DR
S TREASURE DR
W TREASURE DR
ADVENTURE AVE
BOUNTY AVE
MIAMI VIEW DR
BAY TER


NORTH BAY VILLAGE
VULNERABILITY ASSESSMENT REPORT
COMMISSION PRESENTATION
March 12, 2024
NORTH BAY VILLAGE
EST. 1945
bcc
engineering

CRITICAL ELEMENTS OF THE VULNERABILITY ASSESSMENT

The main tasks of the Vulnerability Assessment are:

- ✓ Identification of the Critical Assets
- ✓ Asset Vulnerability (Sensitivity Analysis)
- ✓ Adaptation Plan



IDENTIFICATION OF CRITICAL ASSETS

The Village assets were identified based on the following categories*:

- ✓ Transportation and Evacuation Routes
- ✓ Critical Infrastructure
- ✓ Critical Community and Emergency Facilities
- ✓ Natural, Cultural, and Historical Resources



*As described by FDEP Standard Vulnerability Assessment Work Guidance Document

IDENTIFICATION OF CRITICAL ASSETS

Harbor Island Critical Assets:

- ✓ Transportation Assets
  - ✓ John F Kennedy Causeway
  - ✓ West Drive
  - ✓ East Drive
  - ✓ Harbor Island Drive
  - ✓ Larry Paskow Way
  - ✓ Bus Route & Stop
- ✓ Critical Infrastructure
  - ✓ Outfalls (14)
  - ✓ Sanitary Sewer Pump Station (1)
- ✓ Critical Community and Emergency Facilities
  - ✓ Future City Hall
- ✓ Natural, Cultural, and Historical Resources
  - ✓ Parks (2)



IDENTIFICATION OF CRITICAL ASSETS

North Bay Island Critical Assets:

- ✓ Transportation Assets
  - ✓ John F Kennedy Causeway
  - ✓ Miami View Dr
  - ✓ Center Bay Dr
  - ✓ Coquina Dr
  - ✓ Beach View Drive
  - ✓ 79th Parkway
  - ✓ Bus Route & Stop
- ✓ Critical Infrastructure
  - ✓ Outfalls (10)
- ✓ Critical Community and Emergency Facilities
  - ✓ None
- ✓ Natural, Cultural, and Historical Resources
  - ✓ None



IDENTIFICATION OF CRITICAL ASSETS

Treasure Island Critical Assets:

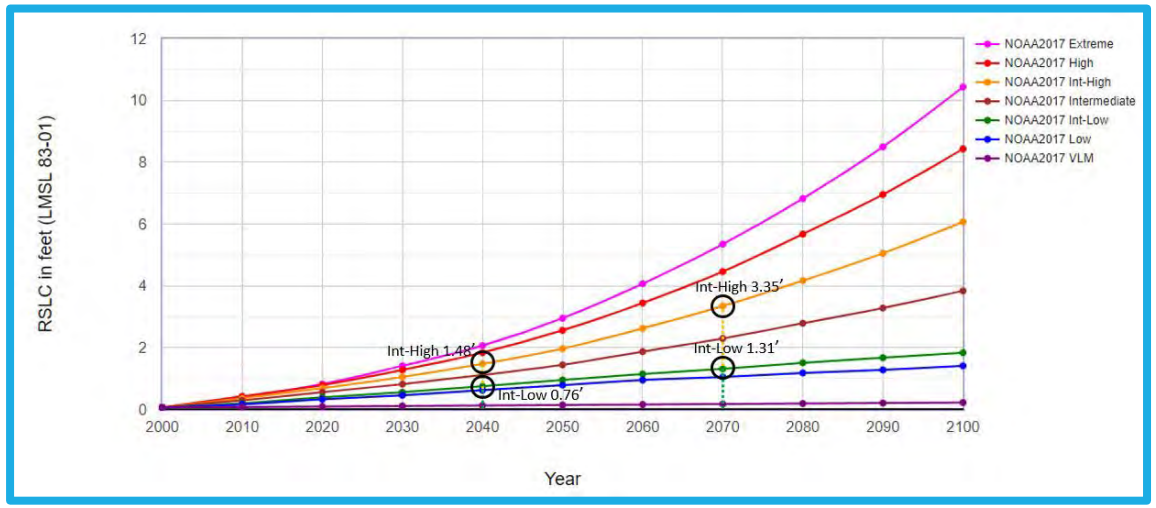
- ✓ Transportation Assets
  - ✓ John F Kennedy Causeway
  - ✓ East Treasure Dr
  - ✓ Hispanola Ave.
  - ✓ Adventure Ave.
  - ✓ 79th St
  - ✓ Bus Route
- ✓ Critical Infrastructure
  - ✓ Outfalls (12)
  - ✓ Sewer Pump Stations (3)
- ✓ Critical Community and Emergency Facilities
  - ✓ City Hall
  - ✓ Future Community Center
  - ✓ Health Care Facility
  - ✓ Schools (3)



ASSET VULNERABILITY – SEA LEVEL RISE

- According to s.380.093, F.S. four (4) Sea Level Rise projections, using 2017 NOAA sea-level rise projection:
  - 2040 Intermediate Low
  - 2040 Intermediate High
  - 2070 Intermediate Low
  - 2070 Intermediate High

- The Virginia Key tide gauge (NOAA ID: 8723214) was selected to obtain the NOAA 2017 SLR projections.



ASSET VULNERABILITY – SEA LEVEL RISE

- To allow enough time for the Village's Adaptation Plan, the planning horizons for the years of 2040 and 2070 have been selected for the VA.

- Since the Village's Stormwater Master Plan boundary conditions were established using the tidal data up until the year 2020, the sea level rise values for the years 2040 and 2070 were adjusted to reflect this in the VA.

Decadal Sea Level Rise: Virginia Key Tide Gauge Station

Year	NOAA2017 VLM (ft.)	NOAA2017 Low (ft.)	NOAA2017 Int-Low (ft.)	NOAA2017 Intermediate(ft.)	NOAA2017 Int-High (ft.)	NOAA2017 High (ft.)	NOAA2017 Extreme (ft.)
2000	0.07	0.07	0.07	0.07	0.07	0.07	0.07
2010	0.08	0.16	0.20	0.30	0.36	0.43	0.39
2020	0.10	0.33	0.39	0.56	0.69	0.79	0.82
2030	0.11	0.46	0.56	0.82	1.05	1.28	1.41
2040	0.13	0.62	0.76	1.12	1.48	1.84	2.07
2050	0.14	0.79	0.95	1.44	1.97	2.56	2.95
2060	0.16	0.95	1.15	1.87	2.63	3.45	4.07
2070	0.18	1.05	1.31	2.30	3.35	4.46	5.35
2080	0.19	1.18	1.51	2.79	4.17	5.68	6.82
2090	0.21	1.28	1.67	3.28	5.05	6.96	8.50
2100	0.22	1.41	1.84	3.84	6.07	8.43	10.43

Projected Decadal Rise in Sea Level with Respect to the Year 2020

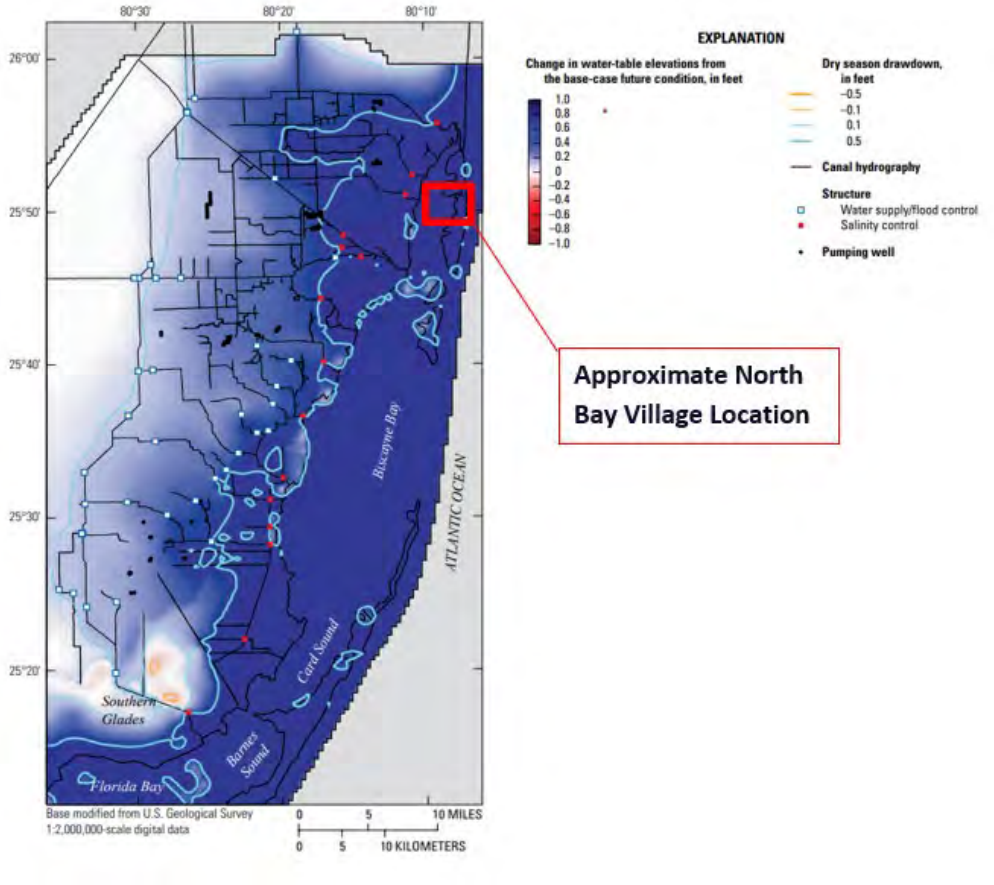
Year	Sea Level Rise from the Year 2020 (ft) Intermediate-Low	Sea Level Rise from the Year 2020 (ft) Intermediate-High
2020	-	-
2030	0.17	0.36
2040	0.37	0.79
2050	0.56	1.28
2060	0.76	1.94
2070	0.92	2.66

ASSET VULNERABILITY – GROUNDWATER RISE

- A report published in 2016 by the USGS, in collaboration with Miami-Dade County Water and Sewer Department, described a direct (1:1) relationship between the groundwater rises and sea-level increases for coastal communities.

Projected Decadal Rise in Groundwater Level under the Impact of Sea Level Rise

Year	DHW (ft, NAVD88) Intermediate-Low	DHW (ft, NAVD88) Intermediate-High
2020	0.65	0.65
2030	0.82	1.01
2040	1.02	1.44
2050	1.21	1.93
2060	1.41	2.59
2070	1.57	3.31



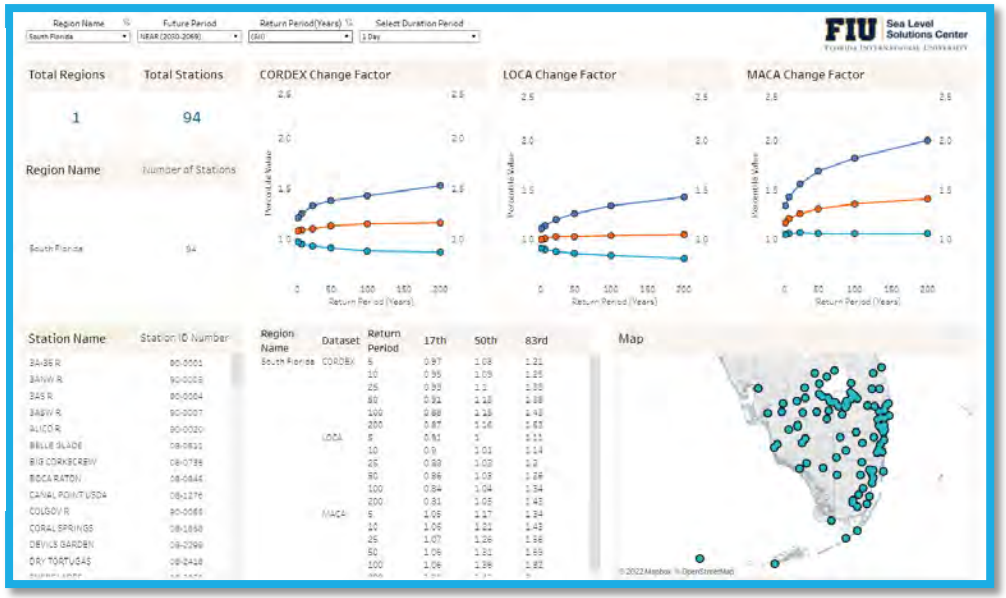
ASSET VULNERABILITY – RAINFALL INCREASE

- The rainfall depths for future conditions (2040 & 2070) were determined using the FIU's SLSC approach, using the given multiplier values referred to as Change factors (CFs).

Change Factor (CF) and Estimated Future Rainfall Depth for the Year 2070

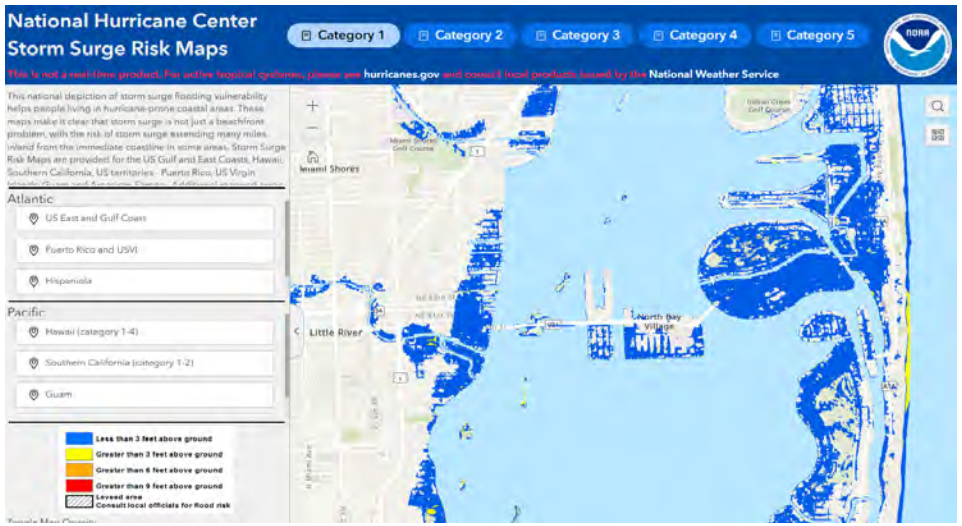
Design Storm Event	Existing Condition Rainfall Depth (in.)	50th Percentile (Median) Change Factor (CF) Value	Future Condition Rainfall Depth (in.)
5-YR 24-HR	6.97	1.11	7.74
10-YR 24-HR	8.44	1.13	9.54
25-YR 72-HR	13.0	1.11	14.43
100-YR 72-HR	17.5	1.17	20.48
500-YR 72-HR	23.60	1.36*	32.10
1000-YR 72-HR	27.00	1.61*	43.47

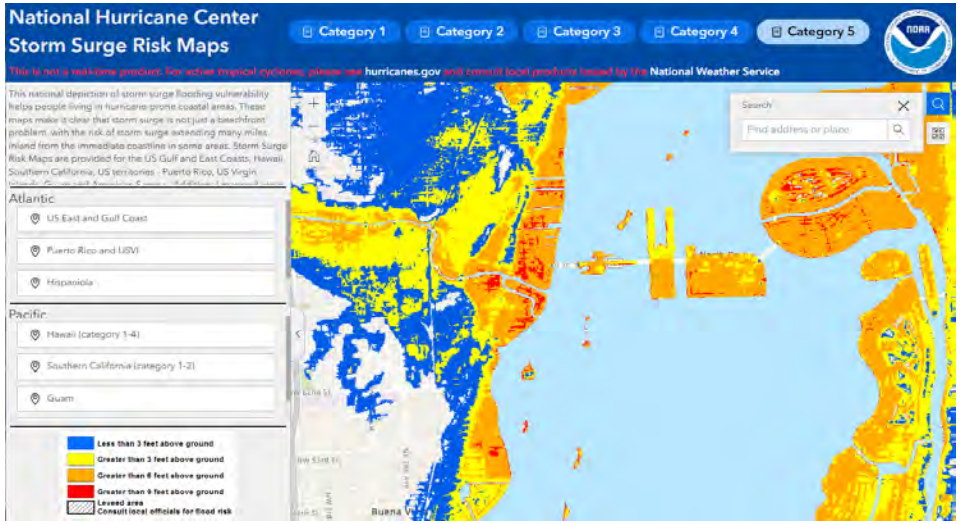
* FIU has not developed a CF value for the 500YR-72HR & 1000-YR 72-HR storm events for the year 2070, and this value has been generated by a linear regression relationship.



ASSET VULNERABILITY – MODELING SCENARIOS

- ✓ The modeling scenarios analyzed for the VA include: 5yr-24hr / 10yr-24hr / 25yr-72hr / 100yr-72hr / 500yr-72hr
- ✓ Storm surge scenarios with sea-level rise, groundwater rise, and increased rainfall intensities were also analyzed for these modeling scenarios:
  - ❖ Category 1 Hurricane (approximately 1' to 3' above ground)
  - ❖ Category 5 Hurricane (approximately 6' to 9' above ground)





Source: **https://experience.arcgis.com/experience/203f772571cb48b1b8b50fdcc3272e2c/page/**

ASSET VULNERABILITY – SENSITIVITY ANALYSIS

The Sensitivity Analysis for the critical assets was determined based on the expected **Level of Service** (LOS) which helped the team to define the design storm events.

Main Category	Asset Type	LOS Design Storm Event	Sensitivity Assessment Procedure	Sensitivity Level
Critical Community Emergency Facilities	City Hall	100-YR, 72-HR	Flood depth was compared to the estimated FFE	▪ High: flood depth exceeds FFE ▪ Medium: flood depth between 0 - 0.5 ft below FFE ▪ Low: flood depth more than 0.5 ft below FFE
	Future City Hall	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Future Community Center	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Health Facility	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	School Building	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Schools Open Areas	50-YR, 72-HR	Percentage of the flooded area	▪ High: > 66% of lot area is flooded ▪ Medium: 33% to 66% of lot area is flooded ▪ Low: < 33% of lot area is flooded
Transportation Assets and Evacuation Routes	Evacuation Route (Causeway)	100-YR, 72-HR	Depth & extent of flooding over the roadway	▪ High: mean flood depth > 0.5 ft above crown of roadway ▪ Medium: mean flood depth between 0.25 - 0.5 ft above crown of roadway ▪ Low: mean flood depth < 0.25 ft above crown of roadway
	Primary Roads	5-YR, 24-HR	Depth & extent of flooding over the roadway	
	Bus Routes	10-YR, 24-HR	Depth & extent of flooding over the routes	
	Bus Stops	10-YR, 24-HR	Flood depth compared to the estimated bus stop elevation	▪ High: flood depth exceeds stop elevation ▪ Medium: flood depth between 0 - 0.5 ft below stop elevation ▪ Low: flood depth more than 0.5 ft below stop elevation
Critical Infrastructure	Outfall	10-YR, 24-HR	Flood depth was assessed at service roadways	▪ High: flood depth > 0.5 ft ▪ Medium: flood depth, 0 - 0.5 ft ▪ Low: flood depth ≤ 0
	Sanitary Sewer Pump Station	50-YR, 72-HR	Flood depth at the pump station top slab	▪ High: flood depth > 0.5 ft ▪ Medium: flood depth, 0 - 0.5 ft ▪ Low: flood depth ≤ 0
Natural, Cultural, and Historical Resources	Park	10-YR, 72-HR	Percentage of the flooded area	▪ High: > 66% of lot area is flooded ▪ Medium: 33% to 66% of lot area is flooded ▪ Low: < 33% of lot area is flooded

ASSET VULNERABILITY – SENSITIVITY ANALYSIS

The **structure** risk assessment was completed by comparing the Finished Floor Elevation (FFE) against the flood depth.

The results are classified as:

- ✓ High = flood exceeds FFE
- ✓ Medium = flood depth between 0-0.5 ft below FFE
- ✓ Low = flood depth more than 0.5 ft below FFE

Main Category	Asset Type	LOS Design Storm Event	Sensitivity Assessment Procedure	Sensitivity Level
Critical Community Emergency Facilities	City Hall	100-YR, 72-HR	Flood depth was compared to the estimated FFE	▪ High: flood depth exceeds FFE ▪ Medium: flood depth between 0 - 0.5 ft below FFE ▪ Low: flood depth more than 0.5 ft below FFE
	Future City Hall	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Future Community Center	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Health Facility	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	School Building	100-YR, 72-HR	Flood depth was compared to the estimated FFE	
	Schools Open Areas	50-YR, 72-HR	Percentage of the flooded area	▪ High: > 66% of lot area is flooded ▪ Medium: 33% to 66% of lot area is flooded ▪ Low: < 33% of lot area is flooded
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	Primary Roads	5-YR, 24-HR	Depth & extent of flooding over the roadway	
	Bus Routes	10-YR, 24-HR	Depth & extent of flooding over the routes	
	Bus Stops	10-YR, 24-HR	Flood depth compared to the estimated bus stop elevation	▪ High: flood depth exceeds stop elevation ▪ Medium: flood depth between 0 - 0.5 ft below stop elevation ▪ Low: flood depth more than 0.5 ft below stop elevation
Critical Infrastructure	Outfall	10-YR, 24-HR	Flood depth was assessed at service roadways	▪ High: flood depth > 0.5 ft ▪ Medium: flood depth, 0 - 0.5 ft ▪ Low: flood depth ≤ 0
	Sanitary Sewer Pump Station	50-YR, 72-HR	Flood depth at the pump station top slab	▪ High: flood depth > 0.5 ft ▪ Medium: flood depth, 0 - 0.5 ft ▪ Low: flood depth ≤ 0
Natural, Cultural, and Historical Resources	Park	10-YR, 72-HR	Percentage of the flooded area	▪ High: > 66% of lot area is flooded ▪ Medium: 33% to 66% of lot area is flooded ▪ Low: < 33% of lot area is flooded

ASSET VULNERABILITY – SENSITIVITY ANALYSIS

The **structure** risk assessment was completed by comparing the Finished Floor Elevation (FFE) against the flood depth.

The results are classified as:

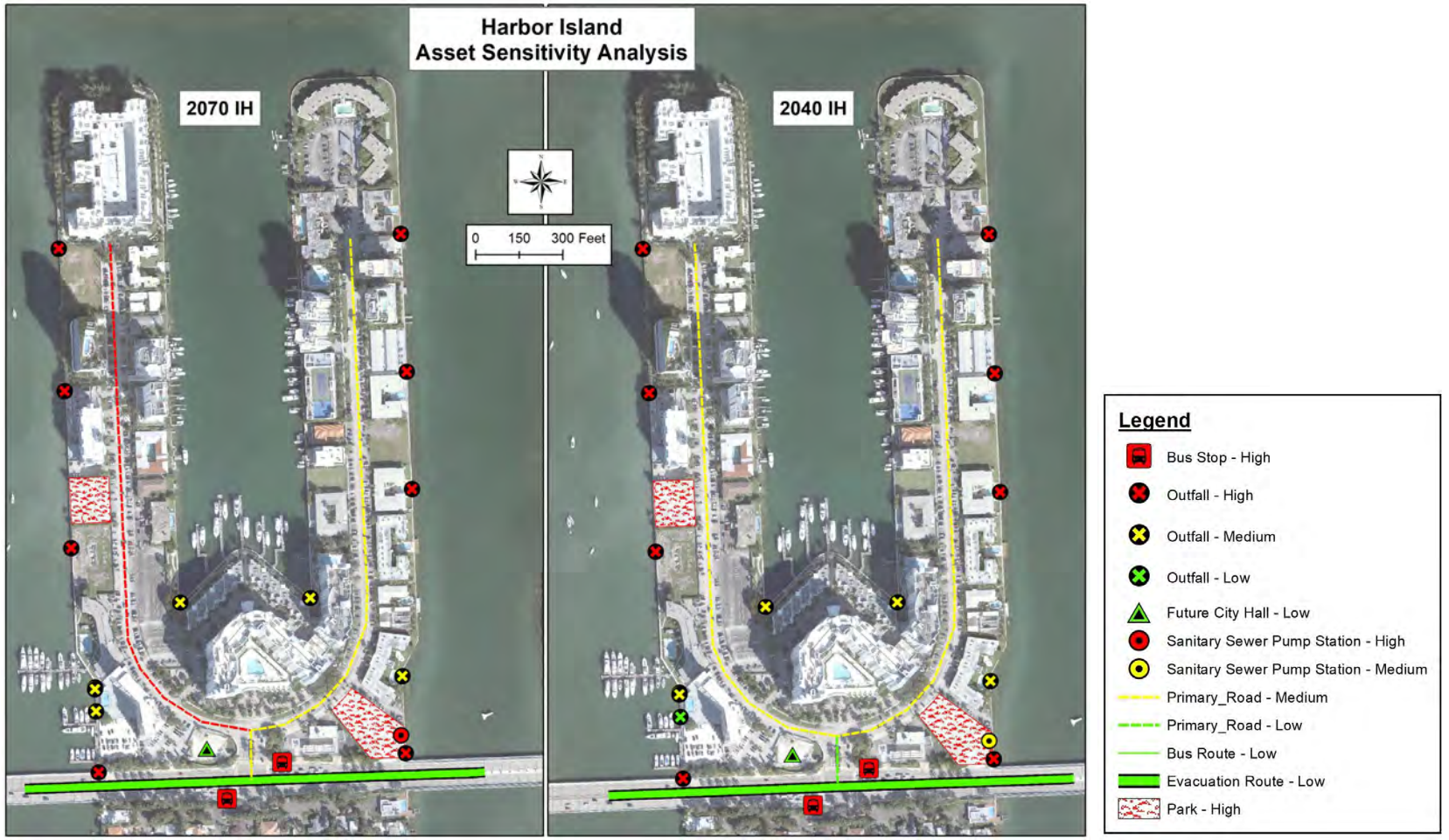
- ✓ High = flood exceeds FFE
- ✓ Medium = flood depth between 0-0.5 ft below FFE
- ✓ Low = flood depth more than 0.5 ft below FFE

Villages' Buildings			Estimated FFE (ft-NAVD88)	Flood Depth (ft.)				Sensitivity Assessment, (Flood Stage – FFE) (ft.)			
Island	Asset Type	Address		2040 IL*	2040 IH*	2070 IL	2070 IH	2040 IL	2040 IH	2070 IL	2070 IH
TI	City Hall	1666 Kennedy CSWY.	3.8	4.10	4.12	4.15	4.82	0.3	0.32	0.35	1.02
	Future Community Center	1841 Galleon St.	9.0	4.12	4.16	4.15	4.75	-4.88	-4.84	-4.85	-4.25
	Health Care Facility	1700 John F Kennedy CSWY.	4.2	4.14	4.15	4.18	4.83	-0.06	-0.05	-0.02	0.63
	School Building 1	1440 John F Kennedy CSWY.	5.2	5.23	5.23	5.23	5.21	0.03	0.03	0.03	0.01
	School Building 2	7800 Hispaniola Ave.	3.1	4.07	4.10	4.14	4.83	0.97	1	1.04	1.73
	School Building 3	7698 E Treasure Dr.	3.0	3.23	3.24	3.29	4.71	0.23	0.24	0.29	1.71
	School Building 4	7540 E Treasure Dr.	3.9	4.15	4.09	4.11	4.75	0.25	0.19	0.21	0.85
NBI & HI	Future City Hall	1335 79 STREET CSWY.	9.0	5.23	5.22	5.23	5.31	-3.77	-3.78	-3.77	-3.69

Legend: High | Medium | Low

NORTH BAY VILLAGE
EST. 1945

ASSET VULNERABILITY – SENSITIVITY ANALYSIS

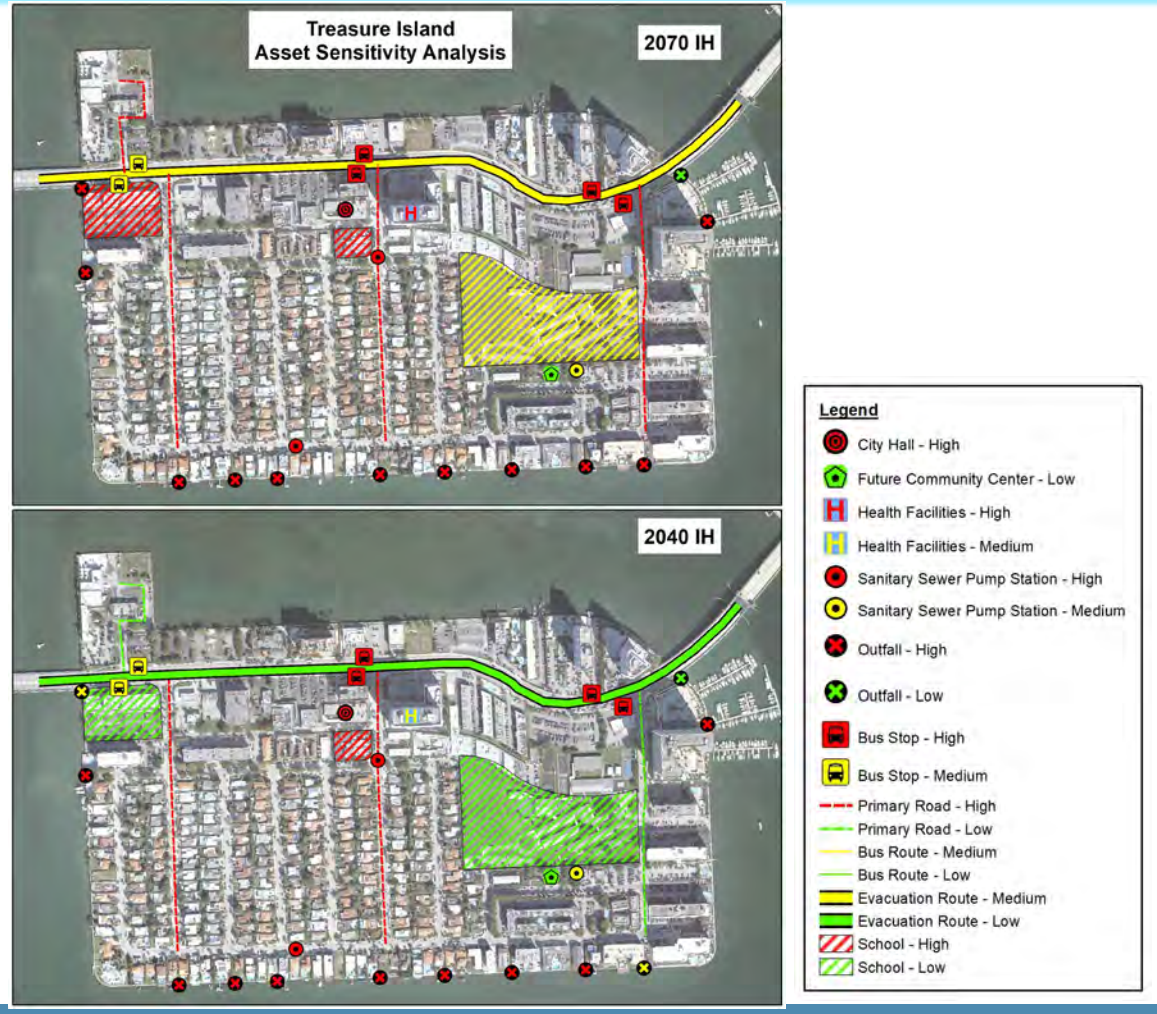


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ASSET VULNERABILITY – SENSITIVITY ANALYSIS



ASSET VULNERABILITY – SENSITIVITY ANALYSIS



ADAPTATION PLAN

The elements of Adaptation Planning are defined as:

- ✓ **Protection Strategies**
  - ✓ Structural defenses that directly safeguard vulnerable assets.
- ✓ **Accommodation Strategies**
  - ✓ Designed to mitigate potential risks rather than aiming for complete prevention of flooding.
- ✓ **Managed Retreat or Relocation Strategies**
  - ✓ Gradual withdrawal from areas or infrastructure where protection or accommodation measures are not effective.
- ✓ **Avoidance Strategies**
  - ✓ Implementation of policies and incentives to direct new development away from hazard-prone areas.

ADAPTATION PLAN – PROTECTION STRATEGIES

- ✓ The Stormwater Master Plan (SWMP), adopted in 2022, proposed multiple stormwater management projects based on the 2060 planning horizon's sea level rise projection, following NOAA 2019 high curve projection.

- ✓ However, the Vulnerability Assessment focuses on the 2070 planning horizon's sea level rise projection, utilizing the NOAA 2017 intermediate high curve for the highest sea level rise projections.

Scenario	Sea level Rise Projections (ft)
2070 IH	3.35
2060 H	3.38

NORTH BAY VILLAGE
EST. 1945

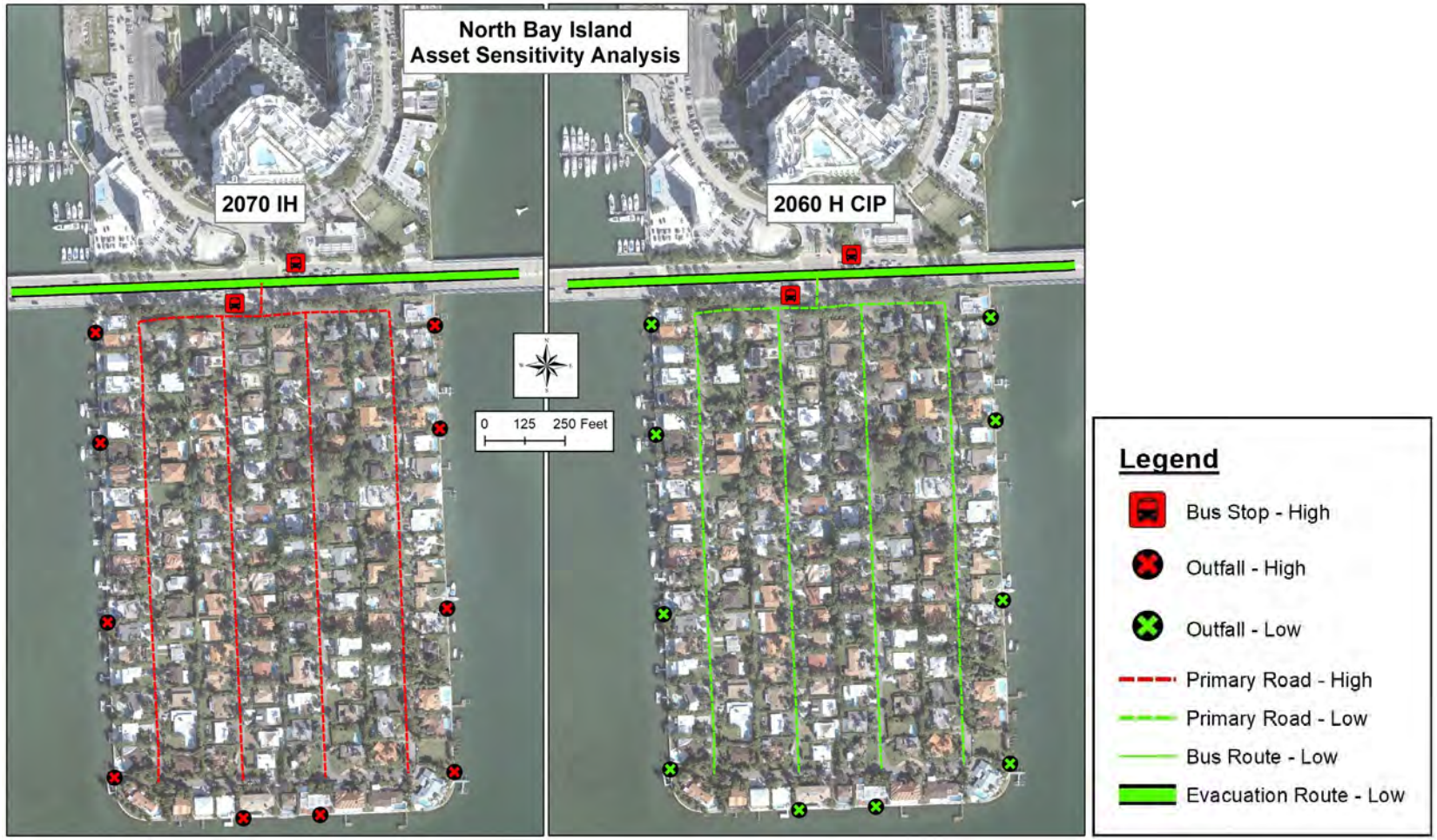
ASSET VULNERABILITY – PROTECTION STRATEGIES



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NORTH BAY VILLAGE
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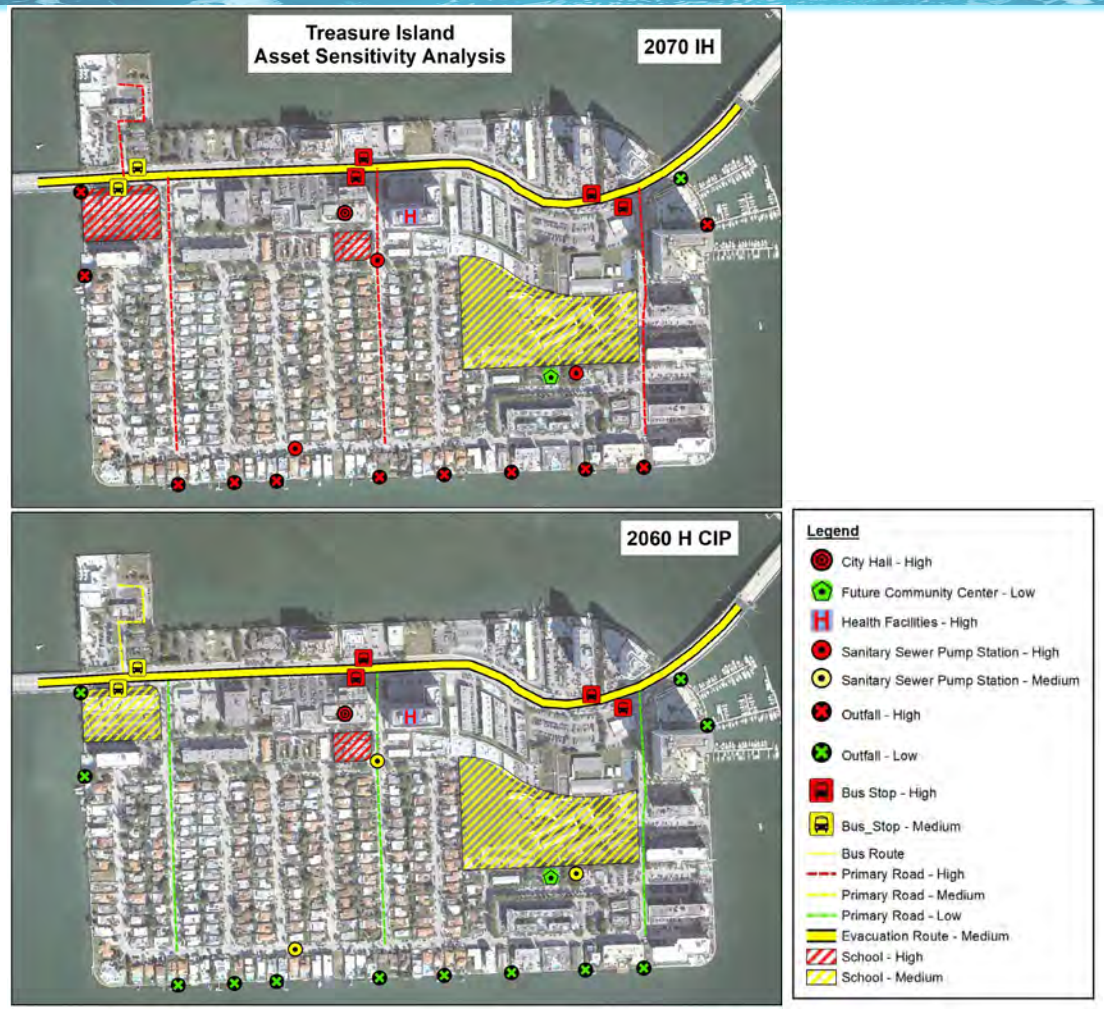
ASSET VULNERABILITY – PROTECTION STRATEGIES



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EST. 1945

ASSET VULNERABILITY – PROTECTION STRATEGIES



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ADAPTATION PLAN – AVOIDANCE STRATEGIES

- Policy Decisions Based on the 2060 High SLR Scenario
  - Since the 2060 High scenario generates higher flood depths, it can be incorporated into the Village's **Code of Ordinances** to specify the required minimum elevation of future critical infrastructure.

Minimum elevation for each asset type based on their island and the 2060 High SLR

Main Category	Asset Type	LOS 2060 High	Treasure Island (ft-NAVD88)	North Bay Island (ft-NAVD88)	Harbor Island (ft-NAVD88)
Critical Community and Emergency Facilities	City Hall	100yr – 72hr	7.5	-	-
	Future City Hall	100yr – 72hr	-	-	7.5
	Future Community Center	100yr – 72hr	7.5	-	-
	Health Facility	100yr – 72hr	7.5	-	-
	School Building	100yr – 72hr	7.5	-	-
	School Open Areas	50yr – 72hr	7.5	-	-
Transportation Assets and Evacuation Routes	Evacuation Route (Causeway)	100yr – 72hr	7.5	6.00	7.00
	Primary Roads	5yr – 24hr	7.5	6.00	7.00
	Bus Routes	10yr – 24hr	7.5	6.00	7.00
	Bus Stops	10yr – 24hr	7.5	6.00	7.00
Critical Infrastructure	Outfall	10yr -24hr	7.5	6.00	7.00
	Sanitary Sewer Pump Station	50yr – 72hr	7.5	-	7.00
Natural, Cultural, and Historical Resources	Park	10yr – 24hr	-	-	7.00

CONCLUSION

- The Vulnerability Assessment shows that during the 2040 and 2070 planning horizons, most of the Village's critical assets will be impacted.
- Implementing the proposed stormwater improvement projects using a 2060 high sea-level rise scenario will eliminate the impacts of the 2070 intermediate high projected sea-level rise.
- The findings of the Vulnerability Assessment proposed Adaptation Plan should support the Village in obtaining grants to support the implementation of the stormwater master plan improvement projects.

ITEM NO. 14.B

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ralph Rosado, PhD, AICP, Village Manager

SPONSORED BY:

SUBJECT: Discussion of Workforce Housing Program Options - Village Manager Ralph Rosado, PhD, AICP (CGA Planning & Grants Administrator Vickki Placide-Pickard via Village Planner Silvia E. Vargas, FAICP, LEED AP)

RECOMMENDATION

Provide further direction to Village staff regarding the Workforce Housing Program concepts and use of funds.

BACKGROUND AND ANALYSIS

At the January 16, 2024 Village Commission meeting, the Commission discussed extensively their priorities for the structuring and implementation of the Workforce Housing Program, and provided preliminary feedback on the use of funds to be generated by the Shoma project. Payment amounts and payment due dates are as follows:

Payment in lieu of WH (25%)	$246,750	2/28/2024
Payment in lieu of WH (25%)	$246,750	5/30/2024
Payment in lieu of WH (50%)	$493,500	8/31/2024

Based on their discussion, the Commission requested additional details on the potential programs at the next meeting. Therefore, Staff has continued to develop the program concepts based on the direction provided by the Commission. An update is attached. This agenda item aims to confirm perceived priorities, generate additional input, and solidify the framework for the programs that Staff will create to assist program stakeholders.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)

To be determined

PERSONNEL IMPACT
To be determined

ATTACHMENTS
Workforce Housing Program Summary 3-4-24.docx

Calvin, Giordano & Associates, Inc.
A SAFEbuilt® COMPANY

Building Code Services
Civil Engineering / Roadway & Highway Design
Coastal Engineering
Code Enforcement
Construction Engineering & Inspection (CEI)
Construction Services
Data Technologies & Development
Electrical Engineering
Engineering
Environmental Services
Facilities Management
Grant Management & Writing
Geographic Information Systems (GIS)
Governmental Services
Indoor Air Quality (IAQ)
Landscape Architecture
Planning
Project Management
Redevelopment & Urban Design
Surveying & Mapping
Transportation & Mobility
Transportation Planning
Water / Utilities Engineering
Website Development

1800 Eller Drive
Suite 600
Fort Lauderdale, FL 33316
Tel: 954.921.7781
Fax: 954.921.8807

www.cgasolutions.com

Date: February 29, 2024

To: Ralph Rosado, PhD, AICP, Village Manager

Cc: Silva Vargas, FAICP, LEEP AP, Village Planner

From: Vickki Placide-Pickard, CGA Planning and Grant Administrator

Subject: Workforce Housing Programs - Update

Background
At the Village Commission meeting on January 16th, a summary of a potential strategy for implementing the policy direction provided in Ord. 2023-012 was presented to the Commission for discussion purposes.

Payment in-lieu of Workforce Housing Fees
The Village anticipates receiving a $987,000 payment (3 installments) from the Shoma project by August 31, 2024. Staff is working with the Continuum project to determine the payment in-lieu of fee contribution to the Workforce Housing Trust fund.

Commission Concerns
1. Ensure the application process is fair and accessible for all eligible participants.
2. Minimize potential loopholes.
3. Run a cost-effective and efficient program.

Summary of Key Discussion Points and Consensus Direction

Target Program Participants
Priority will be given to the following categories as listed in the Ordinance:
- NBV Police and general employees.
- Miami-Dade Fire Rescue employees.
- Miami-Dade County Public School employees working at a school in NBV.
- Licensed health professionals working in NBV.
- Existing village residents

Priority Target Programs:
There are six (6) programs listed below, two (2) rental assistance programs and four (4) homeowner assistance programs. This does not include the utility assistance program briefly discussed at the meeting on January 16.

A. Rental Assistance
   1. Provide rental assistance for residents experiencing hardship or lease increase.

i. Up to 6 months assistance
Example of Assistance: Provide up to $500 a month, not to exceed $3,000.

2. Provide deposit, first and last month rent for existing residents for new leases.
Example of Assistance: Provide up to $4,500.

A. Homeowner Assistance
1. Rehabilitation Assistance
i. No assistance shall be provided to address work completed without a building permit.
ii. Provide assistance to long-term single-family residents on fixed income.
iii. Provide assistance to individual condominium homeowners.
Examples of potential Rehabilitation Assistance: Addressing health and safety issues, bringing the property up to current building code, roof replacement, windows, plumbing, electrical and barrier-free for disabled persons. Provide up to $40,000.

2. Purchase Assistance (PA)
i. Provide down payment and closing cost assistance.
Example of Assistance: Provide up to $30,000.

3. Special Assessment Assistance
i. Provide assistance to individual condominium homeowners with limited finances.
ii. Condominium Associations are not eligible for assistance.
Example of Assistance: Assist up to 50% of special assessment fee not to exceed $10,000. Note: Miami-Dade County provides similar assistance, and an NBV program could supplement the County assistance.

4. Condo Association and HOA Fee Assistance
i. Provide assistance to individual condominium homeowners experiencing a hardship or increase in maintenance fees.
ii. Condominium Associations are not eligible for assistance.
Example of Assistance: Provide up to 50% of Condo or HOA fee not to exceed $500 a month for up to 6 months.

Items Pending Commission Decision
1. Loan Payments
i. Allows for the continuation of the workforce housing programs.
ii. Below are examples of potential loan options and payments for each program; all have 0% interest rates.

Program	Loan Amount	Term	Monthly Payment
Rehab or Purchase Assistance	$30,000	20 years	$125.00
Rehab or Purchase Assistance	$30,000	15 years	$166.70
Rehab or Purchase Assistance	$20,000	20 years	$83.34
Rehab or Purchase Assistance	$20,000	15 years	$111.12
Special Assessment	$10,000	10 years	$83.34
Special Assessment	$10,000	5 years	$166.70
Special Assessment	$5,000	10 years	$41.67
Special Assessment	$5,000	5 years	$83.34
HOA fees	$3,000	5 years	$50.00
HOA fees	$3,000	3 years	$83.34
Rental Assistance	$4,500	5 years	$75.00
Rental Assistance	$4,500	3 years	$125.00
Rental Assistance	$3,000	5 years	$50.00
Rental Assistance	$3,000	3 years	$83.34

2. Assisting long term residents on fixed incomes with utility assistance
   a. Section 8.10.4.b of the Workforce Housing Ordinance states: *The Village Commission may from time to time authorize additional programs which may be funded through the workforce housing trust fund by resolution.*
   Example: Assist senior residents on fixed incomes with village utility bills. Provide $200 in assistance per month for six months, not to exceed $1,200.

3. Prioritize a maximum of four (4) programs to fund and launch the Workforce Housing Programs. The additional programs can be added at a later time.

   A. Proposed recommended programs and funding estimates.

Program	Budget	Minimum # of participants
Rental Assistance- hardship	$120,000	40
Rehab Assistance	$400,000	10
Special Assessment	$248,300	24
Condo Association/HOA Fees	$120,000	40
Program Administration (10%)	$98,700	
Total	**$987,000**	**114 households**

   B. Alternate recommended programs and funding estimates

Program	Budget	Minimum # of participants
Rental Assistance- move-in	$135,000	30
Purchase Assistance	$300,000	5
Utility Assistance (potential program)	$48,000	40

Next Steps
Village Staff will draft policies and procedures for each program based on the consensus provided by the Commission.

ITEM NO. 14.C

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ralph Rosado, PhD, AICP, Village Manager

SPONSORED BY: Mayor Brent Latham, Vice Mayor Richard Chervony, and Commissioners Goran Cuk and Rachel Streitfeld

SUBJECT: **A Resolution Authorizing Negotiation and Execution of Such Agreements as May Be Necessary with the City of Miami Beach for Mutual Aid and Pursuit of Other Mutually Desirable Goals - *Sponsored by Mayor Brent Latham, Vice Mayor Richard Chervony, and Commissioners Goran Cuk and Rachel Streitfeld***

RECOMMENDATION

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE VILLAGE MANAGER TO NEGOTIATE AND EXECUTE SUCH AGREEMENTS AS MAY BE NECESSARY WITH THE CITY OF MIAMI BEACH FOR MUTUAL AID AND OTHER MUTUALLY DESIRABLE GOALS AND ACTIVITIES; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

It is recommended that the Village Commission discuss potential goals and activities that are mutually desirable to North Bay Village and Miami Beach so as to include them in one or more agreements between the municipalities.

The proposed terms will then form the basis of one or more agreements, which will also need to be approved by the City of Miami Beach Commission. Adoption of the attached resolution will authorize the Village Manager to negotiate and execute one or more agreements, as may be needed, and subject to approval by the Village Attorney as to form and legal sufficiency, with the City of Miami Beach.

BACKGROUND AND ANALYSIS

At its December 12, 2023, Regular Commission meeting, the North Bay Village Commission approved the terms of a robust Combined Interlocal and Mutual Aid Agreement between North

Bay Village and the City of Miami, to address a range of mutually desirable goals. Similarly, since October 15, 2019, the Village has had a Mutual Aid Agreement in place with the City of Miami Beach; this agreement focuses more narrowly on joint law enforcement activities. In light of recent requests for a heightened partnership with Miami Beach, this agenda item aims to solicit feedback on proposed Terms to a new or revised agreement.

It is recommended that the Village Commission discuss new proposed Terms. Some additional proposed terms might include items such as:

- joint advocacy to FDOT to reduce the speed limit along Kennedy Causeway/NE 79th Street Causeway.
- joint advocacy at the county, state, and/or federal level for amendment of regulations that affect the environment (e.g. ones related to water quality) and/or quality of life (e.g. ones related to derelict vessels, water-based businesses, and mooring fields)
- joint applications to the Miami-Dade Transportation Planning Organization and other potential funders, for funding for studies, designs, or construction funds for mutually beneficial projects, including exploration of a joint water taxi service.

The Terms will then form the basis of one or more agreements, which will also need to be approved by the Miami Beach Commission. Adoption of the attached resolution will authorize the Village Manager to negotiate and execute one or more agreements, as may be needed, subject to approval by the Village Attorney as to form and legal sufficiency, with the City of Miami Beach consistent with the Terms proposed by the Village Commission.

The current agreement with Miami Beach and the proposed agreement with Miami, which is under review by their Staff, are both included, for reference.

Approval of the agenda item will promote the Pillar of Livability of the NBV100 Plan.

Livability

By centering on people – residents, business owners, and visitors – North Bay Village will become a more attractive place to work, live and do business. The NBV100 Livability pillar puts the focus on place-making in four ways:

- Prioritizing people over cars,
- Embracing the waterfront,
- Improving the quality of life, and
- Refreshing the NBV identity.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
To be determined

PERSONNEL IMPACT
No immediate personnel impacts, but there is the possibility to add Police, Public Works or other personnel in the future in order to ramp up efforts in this area.

ATTACHMENTS

Resolution-Negotiation Agreements with MB for PD and other.DOCX
2019-10-19 City of Miami Beach MAA.pdf
Draft Mutual Aid Agreement - City of Miami.pdf

RESOLUTION NO. 2024- _____

A RESOLUTION OF THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AUTHORIZING THE VILLAGE MANAGER TO NEGOTIATE AND EXECUTE SUCH AGREEMENTS AS MAY BE NECESSARY WITH THE CITY OF MIAMI BEACH FOR PUBLIC SAFETY AND OTHER IMPROVEMENTS ALONG THE KENNEDY CAUSEWAY; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, over the last several years, North Bay Village (the "Village") has undertaken various efforts along Kennedy Causeway to identify the Village consistent with the Village's new branding, enhance landscaping and lighting, and improve public safety and mobility; and

WHEREAS, the Village Commission wishes to authorize the Village Manager to negotiate and execute such agreements as may be necessary with the City of Miami Beach to implement the goals and objectives as discussed by the Village Commission at its March 12, 2024 Commission Meeting, subject to approval by the Village Attorney as to form and legal sufficiency; and

WHEREAS, the Village Commission finds that this Resolution is in the best interest and welfare of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COMMISSION OF NORTH BAY VILLAGE, FLORIDA, AS FOLLOWS:

Section 1. Recitals. That each of the above-stated recitals are hereby adopted, confirmed, and incorporated herein.

Section 2. Authorization. That the Village Commission hereby authorizes the Village Manager to negotiate and execute such agreements as may be necessary with the City of Miami Beach to implement the goals and objectives as discussed by the Village Commission at its March 12, 2024 Commission Meeting, subject to approval by the Village Attorney as to form and legal sufficiency.

Section 3. Implementation. That the Village Manager and Village Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 4. Effective Date. That this Resolution shall be effective immediately upon adoption.

The foregoing Resolution was offered by _____ who moved its adoption. The motion was seconded by _____ and upon being put to a vote, the vote was as follows:

Mayor Brent Latham	_____
Vice Mayor Richard Chervony	_____
Commissioner Goran Cuk	_____
Commissioner Andy Rotondaro	_____
Commissioner Rachel Streitfeld	_____

PASSED AND ADOPTED on this 12th day of March, 2024.

_____
Brent Latham, Mayor

ATTEST:

_____
Alba L. Chang, CMC
Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Weiss Serota Helfman Cole & Bierman, PL
Village Attorney

VOLUNTARY COOPERATION AND OPERATIONAL ASSISTANCE MUTUAL AID AGREEMENT BETWEEN NORTH BAY VILLAGE AND THE CITY OF MIAMI BEACH, FLORIDA

This Voluntary Cooperation and Operational Assistance Mutual Aid Agreement ("Cooperation Agreement") is made as of this 15th day of October, 2019 ("Effective Date"), by and between the CITY OF MIAMI BEACH, FLORIDA, a municipal corporation having its principal office at 1700 Convention Center Drive, Miami Beach, Florida 33139, and NORTH BAY VILLAGE, FLORIDA, having its principal office at 1666 John F. Kennedy Causeway, Suite 300, North Bay Village, Florida 33141, state as follows:

RECITALS

WHEREAS, it is the responsibility of the governments of North Bay Village, Florida, and the City of Miami Beach, Florida, to ensure the public safety of their respective citizens by providing adequate levels of police services to address any foreseeable routine or emergency situation; and

WHEREAS, because of the existing and continuing possibility of the occurrence of law enforcement problems and other natural and man-made conditions which are, or are likely to be, beyond the control of the services, personnel, equipment, or facilities of North Bay Village Police Department or the City of Miami Beach Police Department; and

WHEREAS, in order to ensure that preparation of these law enforcement agencies will be adequate to address any and all of these conditions, to protect the public peace and safety, and to preserve the lives and property of the people of North Bay Village and the City of Miami Beach; and

WHEREAS, it is to the advantage of each law enforcement agency to receive and extend mutual aid in the form of law enforcement services and resources to adequately respond to:

(1) Continuing, multi jurisdiction law enforcement problems, so as to protect the public peace and safety, and preserve the lives and property of the people; and

(2) Intensive situations including, but not limited to, emergencies as defined under Section 252.34 of the Florida Statutes, or requests for certain law enforcement services specified herein and as defined under Section 23.1225 of the Florida Statutes; and

WHEREAS, North Bay Village and the City of Miami Beach have the voluntary cooperation and assistance authority under the Florida Mutual Aid Act, Sections 23.12-23.127 of the Florida Statutes, to enter into this Cooperation Agreement for law enforcement service which:

(1) Permits voluntary cooperation and operational assistance of a routine law enforcement nature across jurisdictional lines as allowed under Section 23.1225 of the Florida Statutes; and
(2) Provides for rendering of assistance in a law enforcement emergency as defined in Section 252.34 of the Florida Statutes.

NOW THEREFORE, BE IT KNOWN that North Bay Village, Florida and the City of Miami Beach, Florida, in consideration for mutual promises to render valuable aid in times of necessity,

do hereby agree to fully and faithfully abide by and be bound by the following terms and conditions:

SECTION I: PROVISIONS FOR VOLUNTARY COOPERATION

Each of the aforesaid law enforcement agencies hereby approve and enter into this Cooperation Agreement whereby each of the agencies may request and render law enforcement assistance to the other in dealing with any violations of Florida Statutes to include, but not necessarily be limited to, investigating sex offenses, robberies, assaults, batteries, burglaries, larcenies, gambling, motor vehicle thefts, drug violations pursuant to Chapter 893 of the Florida Statutes, backup services during patrol activities, and interagency task forces and/or joint investigations as set forth pursuant to, and under the authority of Chapter 23 of the Florida Statutes.

SECTION II: PROVISIONS FOR OPERATIONAL ASSISTANCE

The aforesaid law enforcement agencies hereby approve and enter into this Cooperation Agreement whereby each of the agencies may request and render law enforcement assistance to the other to include, but not necessarily be limited to dealing with, the following:

1. Joint multi-jurisdictional criminal investigations
2. Civil affray or disobedience, disturbances, riots, large protest demonstrations and assemblies, controversial trials, political conventions, labor disputes, and strikes.
3. Any natural disaster.
4. Incidents which require rescue operations and crowd and traffic control measures including, but not limited to, large-scale evacuations, aircraft and shipping disasters, fires, explosions, gas line leaks, radiological incidents, train wrecks and derailments, chemical or hazardous waste spills, and electrical power failures.
5. Terrorist activities including, but not limited to, acts of sabotage.
6. Escapes from, or disturbances within, prisoner processing facilities.
7. Hostage and barricaded subject situations, and aircraft piracy.
8. Control of major crime scenes, area searches, perimeter control, back-ups to emergency and in-progress calls, pursuits, and missing person calls.
9. Enemy attack.
10. Transportation of evidence requiring security.
11. Major events, e.g., sporting events, concerts, parades, fairs, festivals, and conventions.
12. Security and escort duties for dignitaries.
13. Incidents requiring utilization of specialized units; e.g., underwater recovery, aircraft, canine, motorcycle, bomb, crime scene and police information.
14. Emergency situations in which one agency cannot perform its functional objective.
15. Joint training in areas of mutual need.
16. Joint multi-jurisdictional marine interdiction operations.
17. Off-duty special events.
18. DUI Checkpoints.

The following procedures will apply in mutual aid operations:

1. Mutual aid requested or rendered will be approved by the Chief of Police, or his/her designee.
2. Specific reporting instructions for personnel rendering mutual aid will be included in the request for mutual aid. In the absence of such instructions, personnel will report to the ranking on-duty supervisor on the scene.
3. Communications instructions will be included in each request for mutual aid and each agency's communications centers will maintain radio contact with each other until the mutual aid situation has ended.
4. Incidents requiring mass processing of arrestees, transporting prisoners, and operating temporary detention facilities will be handled per established procedures of the requesting agency, or directors involved.

SECTION III: PROCEDURE FOR REQUESTING ASSISTANCE AND LIMITATIONS OF ASSISTANCE

In the event that a party to this Cooperation Agreement is in need of assistance as set forth above, the Chief of Police or his/her designee, shall notify the Chief of Police or his/her designee from whom such assistance is requested. The Chief of Police or authorized agency representative whose assistance is sought shall evaluate the situation and the agency's available resources, consult with his/her supervisors, if necessary, and will respond in a manner he/she deems appropriate.

The Chief of Police in whose jurisdiction assistance is being rendered may determine who is authorized to lend assistance in his/her jurisdiction, for how long such assistance is authorized and for what purpose such authority is granted. This authority may be granted either verbally or in writing as the particular situation dictates.

Should a law enforcement officer be in another subscribed agency's jurisdiction for matters of a routine nature, such as traveling through the area on routine business, attending a meeting or going to or from work, and a violation of Florida Statutes occurs in the presence of said party, representing his/her respective agency, **HE/SHE SHALL ONLY BE EMPOWERED TO RENDER ENFORCEMENT ASSISTANCE AND ACT IN ACCORDANCE WITH FLORIDA LAW**. Should enforcement assistance be taken, said party shall notify the agency having normal jurisdiction and upon the latter's arrival, turn the situation over to them and offer any assistance requested including but not limited to a follow-up written report documenting the event and the actions taken. This provision so prescribed in this paragraph, is not intended to grant general authority to conduct investigations, serve warrants and/or subpoenas, or to respond without request to emergencies already being addressed by the agency of normal jurisdiction, but is intended to address critical, life-threatening or public safety situations, prevent bodily injury to citizens, or secure apprehension of criminals whom the law enforcement officer may encounter and such encounter results in a breach of the peace.

The parties acknowledge that the policy of the Florida Mutual Aid Act is to provide a means to deal with disasters, emergencies, and other major law enforcement problems. This Cooperation Agreement shall not extend police powers beyond the specific additional authority granted by the Legislature in Chapter 23 of the Florida Statutes, which intent was to assure the

continued functioning of law enforcement in times of emergencies or in areas where major law enforcement efforts were being thwarted by jurisdictional barriers.

SECTION IV: COMMAND AND SUPERVISORY RESPONSIBILITY

The personnel and equipment that are assigned by the assisting Agency shall be under the immediate command of a supervising officer designated by the assisting Agency. Such supervising officer shall be under the direct supervision and command of the Chief of Police or his/her designee of the agency requesting assistance.

SECTION V: CONFLICTS

Whenever an officer is rendering assistance pursuant to this Cooperation Agreement, the officer shall abide by and be subject to the rules and regulations, personnel policies, general orders, and standard operating procedures of his/her own employer. If any such rule, regulation, personnel policy, general order or standard operating procedure is contradicted, contravened or otherwise in conflict with a direct order of a superior officer of the requesting agency, then such rule, regulation, policy, general order or procedure shall control and shall supersede the direct order.

SECTION VI: HANDLING COMPLAINTS

Whenever there is cause to believe that a complaint has arisen as a result of a cooperative effort as it may pertain to this Cooperation Agreement, the Chief of Police or his/her designee of the requesting agency shall be responsible for the documentation of said complaint to ascertain at a minimum:

1. The identity of the complainant.
2. An address where the complaining party can be contacted.
3. The specific allegation.
4. The identity of the employees accused without regard as to agency affiliation.

If it is determined that the accused is an employee of the assisting agency, the above information, with all pertinent documentation gathered during the receipt and processing of the complaint, shall be forwarded without delay to the agency for administrative review. The requesting agency may conduct a review of the complaint to determine if any factual basis for the complaint exists and/or whether any of the employees of the requesting agency violated any of their agency's policies or procedures.

SECTION VII: LIABILITY

Each party engaging in any mutual cooperation and assistance, pursuant to this Cooperation Agreement, agrees to assume responsibility for the acts, omissions or conduct of such party's own employees while engaged in rendering such aid pursuant to this Cooperation Agreement, subject to the provisions of Section 768.28, Florida Statutes, where applicable.

SECTION VIII: POWERS, PRIVILEGES, IMMUNITIES AND EXPENDITURES

(a) Employees of North Bay Village and the City of Miami Beach, when actually engaging in mutual cooperation and assistance outside of their normal jurisdictional limits but inside this State, under the terms of this Cooperation Agreement, shall pursuant to the provisions of Section 23.127(1), Fla. Stat. (as amended) and this Cooperation Agreement, have the same powers, duties, rights, privileges and immunities as if the employee was performing duties inside the employee's political subdivision in which normally employed.

(b) Each party agrees to furnish necessary personnel equipment, resources and facilities and to render services to each other party to this Cooperation Agreement as set forth above; provided however, that no party shall be required to deplete unreasonably its own personnel, equipment, resources, facilities, and services in furnishing such mutual aid.

(c) A party that furnishes equipment pursuant to this Cooperation Agreement must bear the cost of loss or damage to that equipment and must pay any expense incurred in the operation and maintenance of that equipment.

(d) The agency furnishing aid pursuant to this Cooperation Agreement shall compensate its appointees/employees during the time such aid is rendered and shall defray the actual travel and maintenance expenses of its employees while they are rendering such aid, including any amounts paid or due for compensation due to personal injury or death while such employees are engaged in rendering such aid.

(e) To the extent provided by applicable law, ordinance, or rule, the privileges and immunities from liability, exemption from laws, ordinances and rules, and all pension, insurance, relief, disability, worker's compensation, salary, death and other benefits that apply to the activity of an employee of an agency when performing the employee's duties within the territorial limits of the employee's agency apply to the employee to the same degree, manner, and extent while engaged in the performance of the employee's duties extraterritorially under the provisions of this Cooperation Agreement. The provisions of this section shall apply to paid, volunteer, and reserve employees.

(f) Nothing herein shall prevent the requesting agency from requesting supplemental appropriations from the governing authority having budgeting jurisdiction to reimburse the assisting agency for any actual costs or expenses incurred by the assisting agency performing hereunder.

(g) Should the City of Miami Beach receive reimbursement for expenditures from a third party for a mutual aid event covered by this Cooperation Agreement, North Bay Village shall be eligible to receive an equitable reimbursement share for any actual costs or expenses incurred that are directly attributable to the event, provided such costs and expenses are authorized by the third party for reimbursement purposes.

(h) Should North Bay Village receive reimbursement for expenditures from a third party for a mutual aid event covered by this Cooperation Agreement, the City of Miami Beach shall be eligible to receive an equitable reimbursement share for any actual costs or expenses incurred that are directly attributable to the event, provided such costs and expenses are authorized by the third party for reimbursement purposes.

(i) The parties acknowledge that the City of Miami Beach and North Bay Village are authorized to pursue property seized pursuant to the Florida Contraband Forfeiture Act. Each party shall have exclusive authority to initiate forfeiture proceedings originating in its respective jurisdiction under the Florida Contraband Forfeiture Act for any matters which arise from a mutual aid event that is covered by this Cooperation Agreement. Each respective party, upon successfully prosecuting a forfeiture action, shall equitably share in those proceeds seized and forfeited, as acceptable to the Chief of Police of the City of Miami Beach and the Chief of Police of North Bay Village.

SECTION IX: INSURANCE

Each party shall provide, upon request, satisfactory proof of liability insurance by one or more of the means specified in Section 768.28(16)(a), Florida Statutes, in an amount which is, in the judgment of the governing body of that party, at least adequate to cover the risk to which that party may be exposed. Should the insurance coverage, however provided, of any party be canceled or undergo material change, that party shall notify all parties to this agreement of such change within ten (10) days of receipt of notice or actual knowledge of such change.

SECTION X: EFFECTIVE DATE

This Cooperation Agreement shall take effect upon execution and approval by both parties and shall continue in full force and effect until December 31, 2024. Under no circumstances may this agreement be renewed, amended, or extended except in writing.

SECTION XI: CANCELLATION

Either party may cancel its participation in this Cooperation Agreement at any time upon delivery of written notice to the other party.

In witness whereof, the parties hereto cause to these presents to be signed on the date specified.

AGREED TO AND ACKNOWLEDGED this 15th day of October, 2019.

CITY OF MIAMI BEACH, FLORIDA

Rick Clements

RICK CLEMENTS
CHIEF OF POLICE

Date: 10/31/19

NORTH BAY VILLAGE, FLORIDA

CARLOS NORIEGA
CHIEF OF POLICE

Date: 10/21/19

JIMMY L. MORALES
CITY MANAGER

Date: 11/5/19

RALPH ROSADO, PHD, AICP
VILLAGE MANAGER

Date: 10/21/19

ATTEST:

11/7/19
RAFAEL E. GRANADO
CITY CLERK

ELORA RIERA
VILLAGE CLERK

APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION

City Attorney MAF 11/5/19
Date

MIAMI BEACH
INCORPORATED
1915

THIS IS A DRAFT UNDER REVIEW BY BOTH MUNICIPALITIES

COMBINED INTERLOCAL AND MUTUAL AID AGREEMENT
BETWEEN
THE CITY OF MIAMI
AND
NORTH BAY VILLAGE
FOR THE CREATION OF A JOINT PUBLIC SAFETY AND IMPROVEMENT ZONE

THIS COMBINED INTERLOCAL AND MUTUAL AID AGREEMENT (this "Agreement") is made effective as of the _____ day of _____, 2024 (the "Effective Date"), by and between the CITY OF MIAMI, a Florida municipal corporation (the "City") and NORTH BAY VILLAGE, a Florida municipal corporation, (the "Village") (collectively, the "Parties").

WHEREAS, it is the responsibility of the City's and Village's governments to ensure the public safety of their citizens by providing adequate levels of police services; and

WHEREAS, Section 163.01, Florida Statutes, et seq (The Florida Interlocal Cooperation Act of 1969), permits "local governmental units to make the most efficient use of their powers by enabling them to cooperate with other localities on a basis of mutual advantage and thereby to provide services and facilities in a manner and pursuant to forms of governmental organization that will accord best with geographic, economic, population, and other factors influencing the needs and development of local communities"; and

WHEREAS, The Florida Interlocal Cooperation Act of 1969 provides that a "public agency of this state may exercise jointly with any other public agency of the state, of any other state, or of the United States Government any power, privilege, or authority which such agencies share in common and which each might exercise separately"; and

WHEREAS, the City and the Village have the authority, pursuant to Section 166.011, Florida Statutes, et seq (The Municipal Home Rule Powers Act), to enter into an interlocal agreement pursuant to Section 163.01, Florida Statutes with an adjoining municipality or municipalities within the same county to provide law enforcement services within the territorial boundaries of the other adjoining municipality or municipalities; and

WHEREAS, the City and the Village have the authority, pursuant to Section 23.12, Florida Statutes, et seq (The Florida Mutual Aid Act), to enter into a Mutual Aid Agreement; and

WHEREAS, over the last several years, the Village has undertaken various efforts to improve the Village by adopting a branding guide to clearly identify the Village, installing enhanced landscaping and lighting, and improving public safety and mobility, among other efforts; and

WHEREAS, the purpose of this Agreement is to provide for the creation of a "Joint Public Safety and Improvement Zone" (the "JPSIZ," as more particularly described below) in an effort to reduce traffic infractions, improve public safety, and enhance beautification of the areas with the JPSIZ; and

WHEREAS, this Agreement is separate from and more specific in purpose than the "Combined Voluntary Cooperation and Operational Assistance Mutual Aid Agreement" entered into between the Parties and this Agreement is not intended to replace the existing "Combined Voluntary Cooperation and Operational Assistance Mutual Aid Agreement"; WHEREAS, it is in the City and the Village's best interests to enter into this Agreement; and

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, the Parties agree as follows:

1. Definitions.

1.1. "Chief Executive Official" shall mean either the City Manager of the City of Miami or the Village Manager of North Bay Village who has the authority to contractually bind the respective law enforcement agency and has executed this Agreement.

1.2. "Agency Head" shall mean Chief of Police of the Miami Police Department ("MPD") or the MPD Chief's designee or the Chief of Police of the North Bay Village Police Department ("NBVPD"), or the NBVPD Chief's designee.

1.3. "Certified Law Enforcement Employee" shall mean any law enforcement employee certified as provided in Chapter 943, Florida Statutes.

1.4. "Joint Public Safety and Improvement Zone ("JPSIZ") shall mean all areas within the following description: The NE 79th Street Causeway (Kennedy Causeway) from the west lateral line of the intersection of Harbor Island Drive to the east lateral line of the Pelican Harbor Drive intersection. *See* Exhibit A, entitled "Joint Public Safety & Improvement Zone" attached hereto for illustration of the JPSIZ and incorporated herein by reference.

2. Terms and Procedures for Law Enforcement Operations within the JPSIZ.

2.1. Police Operations

2.1.1. The Parties agree to furnish necessary manpower, equipment, facilities, and other resources and to render services to each other as required to assist in the investigation, apprehension and prosecution of those people who are engaging in criminal activity, including but not limited to basic and/or general law enforcement responsibilities and activities, criminal and non-criminal traffic violations, traffic safety operations, and other related law enforcement operations consistent with the intent of this Agreement, within the JPSIZ; provided, however, that neither Party shall be required to unreasonably

deplete its own manpower, equipment, facilities, or other resources and services in rendering such assistance.

2.1.2. The agency heads, or their designees, shall establish procedures for jointly establishing the mission definition, goals, and operations, and for giving tactical control over accomplishing any such assigned mission and supervisory control over all personnel or equipment provided pursuant to this Agreement to the requesting Party.

2.1.3. Patrol Operations. Patrol activity for routine law enforcement purposes by the law enforcement officers of either Party within the JPSIZ will not require prior notice to the other Party.

2.1.4. Undercover/Decoy Operations: Undercover and/or decoy operations shall be conducted in the JPSIZ only after the acting Party has provided notice to the other Party's agency head or designee, in writing, at a minimum of 72 hours in advance, with said notice being duly acknowledged, in writing.

2.2. Powers, Privileges, Immunities. and Costs

2.2.1. All employees of the Parties, including certified law enforcement employees as defined in Chapter 943, Florida Statutes, during such time that said employees are conducting or assisting with law enforcement operations within the JPSIZ, in accordance with this Agreement shall, pursuant to the provisions of Chapter 23, Florida Statutes, have the same powers, duties, rights, privileges, and immunities as if they were performing their duties for the party by which they are normally employed inside the employee's jurisdiction.

2.2.2. The party having financial responsibility for the law enforcement agency providing services, personnel, vehicles, equipment, or facilities pursuant to the provisions of this Agreement shall bear any loss or damage to same and shall pay any and all expenses incurred in the maintenance and operation of same.

2.2.3. The Parties shall compensate all of their respective employees conducting or assisting with law enforcement operations within the JPSIZ pursuant to this Agreement and shall defray the actual travel and maintenance expenses of such employees while they are conducting or assisting with law enforcement operations. Such compensation shall include any amounts paid or due compensation due to personal injury or death while such employees are conducting or assisting with law enforcement operations. Such compensation shall also include all benefits normally due such employees.

2.3. Forfeitures. Investigators operating pursuant to this Agreement may encounter property subject to forfeiture pursuant to the Florida Contraband Forfeiture Act, Florida Statutes. Each Party will initiate and prosecute forfeiture actions independently, and in accordance with their respective procedures for the handling of forfeiture actions. However, any potential seizure and or forfeiture

action by the Village related to real property within the City's jurisdiction may proceed only upon request of the NPVPD's Agency Head, and written approval by MPD's Agency Head and the City's Chief Executive Official. Any potential seizure and/or forfeiture action related to property other than real property within the City may proceed with the written approval of the NPVPD's Agency Head and MPD's Agency Head. For any action as to property wholly within either respective jurisdiction, the relevant Party shall have the exclusive right to control and maintain the property including, but not limited to the complete discretion to bring the forfeiture action, or to dismiss the action, or to negotiate a settlement. In any case where the Village prosecutes a forfeiture action related to property seized from, or located within the City, the Parties will be entitled to the equitable share of such proceeds less any costs and fees, including but not limited to attorney fees, associated with the prosecution of the forfeiture. For any seizure/forfeiture initiated for property located within the Village and in the JPSIZ, the Village will provide written notice of said seizure/forfeiture to the City within five (5) business days of the seizure.

2.4. Damages. Subject to the limitations and provisions of Section 768.28, Florida Statutes, each Party will indemnify, defend, hold the other Party, its elected officials, employees, agents and servants harmless and pay any judgments, awards, and damages entered against the other Party from any liability for any and all claims pertaining to seized property, loss and/or damage, physical harm, personal injury or death resulting from any and all property seized by the other Party; including any claims filed against either Party for damages, legal or equitable, arising out of the other Party's decision to bring a forfeiture action; including any claims filed against the other Party for damages arising out of the intentional and/or negligent acts or omissions of any officer, employee, or agent of the other Party. .

2.5. Command and Supervisory Responsibility

2.5.1. Command: The personnel and equipment that are assigned by the respective Parties shall be under the immediate command and direct supervision of a supervising officer, selected by the Agency Head of the Parties. However, for all Pre-Planned Operations, Police Command will be established by joint agreement of the Agency Head of the Parties respective Police Department, or their designee. The designated Operation Commander will serve as the supervising officer for all officers from either Party participating in said operation.

2.5.2. Conflicts: Whenever an officer is conducting or assisting with law enforcement operations within the JPSIZ pursuant to this Agreement, the officer shall abide by and be subject to the rules and regulations. personnel policies, general orders, and standard operating procedures of his or her own employer. If any such rule, regulation, personnel policy, general order, or standard operating procedure is contradicted, contravened or otherwise in conflict with a direct order of a superior officer, then such rule, regulation,

policy, general order or procedure of his or her own employer shall control and shall supersede the direct order.

2.5.3. Complaints: Whenever there is cause to believe that a complaint has arisen as a result of conducting law enforcement operations in the JPSIZ or a cooperative effort as it may pertain to this Agreement, the Agency Head, or his/her designee, of the agency employing the officer who is the subject of the complaint shall be responsible for the investigation of the complaint. The Agency Head or designee should ascertain at a minimum: (a) The identity of the complainant; (b) An address where the complainant can be contacted; (c) The specific allegation; and (d) The identity of the employees accused without regard as to agency affiliation. If it is determined during the investigation of a complaint that the accused is an employee of City, the above information, with all pertinent documentation gathered during the receipt and processing of the complaint, shall be forwarded without delay to the City's Police Department for administrative review. Similarly, if it is determined during the investigation of a complaint that the accused is an employee of Village, the above information, with all pertinent documentation gathered during the receipt and processing of the complaint, shall be forwarded without delay to Village for administrative review.

2.6. Provisions for Joint Enforcement Authority, Mutual Aid, and Voluntary and Operational Assistance

2.6.1. Mutual Aid Request. In compliance with and under the authority of this Agreement heretofore entered into by Village and City, it is hereby declared that the Parties are mutually requesting assistance from the other Party to conduct and assist with law enforcement operations, traffic enforcement, beautification projects and maintenance within the JPSIZ as described herein.

2.6.2. Law Enforcement Officer: A police officer of either Party shall be considered to be operating under the provisions of this Agreement when conducting or assisting with law enforcement related activities within the JPSIZ.

2.6.3. Enforcement: The Parties agree to independently and/or jointly conduct law enforcement activity within the JPSIZ on a basis and schedule agreed upon by the Agency Heads, or their designees, in order to achieve the scope and purposes of this Agreement.

2.6.4. Authority: Each Party to this Agreement may independently conduct law enforcement operations within the JPSIZ as described herein, pursuant to the terms of this Agreement and officers of each respective agency shall have the same powers, duties, rights, privileges, and immunities as if they were performing their duties for the party by which they are normally employed inside the employee's jurisdiction. For any law enforcement activity other than routine patrol conducted by Village in the JPSIZ, Village shall notify the Agency Head for the City or his/her designee at least 72 hours in advance.

2.6.5. Records and Reports: All investigative reports and arrest reports will be maintained by the respective arresting agency.

2.6.6. Prosecution: The criteria for the decision whether to have any particular case prosecuted in the State or Federal system will be based on which level of prosecution and venue would provide the greatest benefit to the overall objectives of the investigation. In all cases, timely notification will be made to the appropriate prosecuting authority.

2.7. Schedule of Work Hours: Work hours may vary to meet operational needs.

2.8. Release of Information to the Press: At no time will any employee of either Party release to or discuss with any member of the press any aspect of operations or any aspect of the direction, focus, or general purpose of an investigation in the JPSIZ without the Agency Head of the Parties first consulting with each other. Subsequent to the consultation, law enforcement officers acting pursuant to this Agreement will discuss any information release with the affected investigators and or prosecutors to assure that the integrity of the investigation will not be jeopardized. In all cases, the release of any information, no matter how generic, will be made jointly with the participation of both Parties and pursuant to Chapter 119 of the Florida Statutes, and any other applicable statutes governing the disclosure of public records.

3. Terms and Procedures for Non-Law Enforcement Operations within the JPSIZ. The Parties desire to cooperate and implement improvements to the JPSIZ as follows:

3.1. Infrastructure Improvements

3.1.1. *NBV Entryway Sign*. The Village shall be permitted to install and maintain a Village Entryway Sign (the "Sign") within the City's jurisdiction near the Southeast entrance of Pelican Harbor Marina, as identified in the Kennedy Causeway Joint Improvement Zone Map attached hereto as Exhibit "A." The Village shall assume sole and complete responsibility for the cost of installing, repairing, and maintaining the Sign to be installed within the City's jurisdictional boundaries. The Sign shall be designed in accordance with the Village's Branding Guide, as may be amended from time to time.

3.1.2. *Bus Shelters, Benches, and Related Equipment*. Subject to the availability of Florida Department of Transportation ("FDOT") grant funding and approval by the Miami-Dade County Department of Transportation and Public Works and such other applicable regulatory bodies, the Village may replace the existing bus shelters, benches, and/or related bus stop fixtures (the "Bus Stop Improvements") at the two existing bus stops located near the intersection of Pelican Harbor Drive. The Bus Stop Improvements' design shall be in accordance with the FDOT-approved designs developed by the Village.

3.1.3. *Future Sidewalk Repairs; Road Elevation*. The Village and City acknowledge that FDOT is currently responsible for implementing repairs and improvements to Kennedy Causeway. The Village and City shall jointly advocate for improvements and repairs to the existing roadway and sidewalk infrastructure in the JPSIZ, including the potential elevation of Kennedy Causeway.

3.2. Advocacy of Traffic and Safety Improvement Measures.

3.2.1. *Speed Enforcement and Detection*. The Parties shall recommend, lobby, and pursue enhanced speed enforcement and related signage in the JPSIZ. Such enhanced speed enforcement signage shall be prominent and display the speed of vehicles traveling within the JPSIZ.

3.2.2. *Reduction in Speed Limit in JPSIZ*. The Village and City shall coordinate and cooperate in jointly advocating that FDOT reduce the existing speed limit in the JPSIZ from 35 miles per hour to 25 miles per hour.

3.3. Maintenance and Operations Improvements

3.3.1. *Median Landscaping*. The Village will coordinate and prepare a grant application to FDOT on behalf of the City requesting $100,000 for the installation and maintenance of enhanced median landscaping in the JPSIZ, and the City, as the appropriate jurisdiction, shall submit the grant application. Enhanced median landscaping in the JPSIZ will be consistent with the improvements that have been made along Kennedy Causeway within the Village's jurisdiction. The Village and the City shall approve any proposed costs for the installation and/or maintenance of enhanced median landscaping in the JPSIZ prior to grant submission. The Village shall contribute such additional funds as may be necessary for the installation and/or maintenance of enhanced median landscaping in the event that such costs exceed $100,000.

3.3.2. *Litter Cleanup / Landscape Maintenance*. The Village may provide, or contract to provide, litter cleanup and landscape maintenance services in the JPSIZ in an amount not to exceed $100,000 annually.

3.4. Temporary Improvements

3.4.1. *Holiday Lights*. Upon written request by the Village, the City shall provide for the temporary placement and installation of decorative holiday lighting and other designs/displays within the JPSIZ on behalf of the Village utilizing the City's existing vendor(s). Holiday lighting and decorative designs/displays shall be approved by the Village prior to placement and installation. The Village shall compensate the City for the placement, installation, and removal of decorative holiday lighting and other designs/displays in an amount not to exceed $25,000.00 annually.

3.4.2. *Banners on Light Poles and across Causeway*. The City shall assist the Village, and/or any contractor of the Village, in obtaining any required City permits, approvals, or plan reviews necessary for the placement and installation of temporary banners ("Banners") on the light poles within the JPSIZ to promote the Village's events and other related matters.

3.5. Joint Advocacy. The Village and the City shall jointly seek to develop and implement projects that improve the JPSIZ. Towards that end, the Village and City shall, among other things:

3.5.1. Jointly advocate for transportation, mobility, and safety improvements to FDOT, the MDTPO, and other transportation bodies;

3.5.2. Request a joint meeting with FDOT District VI Secretary Stacy Miller for a site visit of the JPSIZ;

3.5.3. Identify and develop a list of improvements to the JPSIZ and request that such improvements to the JPSIZ be included in the FDOT Five Year Work Program, and

3.5.4. Jointly pursue such other improvements and grant opportunities as may be agreed upon by the Village and the City for the beautification and improvement of the JPSIZ.

4. Expenses: The Parties will furnish their own vehicles and will be responsible for the expenses, maintenance and any liability incurred with respect to the use of their respective vehicles.

5. Municipal Code: This Agreement does not confer any additional powers on either municipality as it relates to the enforcement of its respective municipal ordinances, nor does this Agreement restrict either municipality from taking any action it is otherwise lawfully permitted to take pursuant to state law or municipal ordinances, including but not limited to the ability to send cease and desist letters or file lawsuits. The Village Zoning Code (i.e., the Unified Land Development Code) will apply in the Village portion of the JPSIZ, and the Miami Zoning Code will apply in the City portion of the JPSIZ.

6. Effective Date. This Agreement shall take effect upon the approval of this Agreement by each respective municipality's governing body, the effective date of this being the later of the two dates of approval by each governing body. Thereafter, this Agreement shall continue in full force and effect for an initial period of twenty (20) years from the effective date and may be consecutively renewed for additional five (5) year periods upon approval by each respective municipality's governing body. Under no circumstances may this agreement be renewed. amended or extended except in writing.

7. Cancellation. This Agreement may be cancelled by either Party upon sixty (60) days written notice to the other Party. Cancellation will be at the discretion of the Chief Executive Official of the Parties hereto.

8. Sovereign Immunity. Nothing herein is intended to serve as a waiver of sovereign immunity by the City or Village nor shall anything included herein be construed as consent to be sued by third parties in any matter arising out of this Agreement or any other contract. The City and Village are subject to section 768.28, Florida Statutes, as may be amended from time to time.

9. All exemptions from ordinances and rules, and all pension, insurance, relief, disability, workers' compensation, salary, death, and other benefits which apply to the activity of such officers, agents, or employees of any Party when performing their respective functions within the territorial limits of their respective agencies shall apply to them to the same degree, manner, and extent while engaged in the performance of their functions and duties extra territorially under the provisions of this Agreement. The provisions of this Agreement shall apply with equal effect to paid and auxiliary employees.

10. Indemnification. To the extent authorized by Florida law, each Party shall indemnify and hold harmless the other Party, its officers, agents and employees, from and against any and all demands, claims, losses, suits, liabilities, causes of action, judgment or damages, arising from the other Party's performance or non-performance of any provision of this Agreement, including, but not limited to, liabilities arising from contracts between either Party and third parties made pursuant to this Agreement. Each Party shall reimburse the other Party for all its expenses including reasonable attorneys' fees and costs incurred in and about the defense of any such claim or investigation and for any judgment or damages arising from either Party's performance or non-performance of this Agreement. Nothing herein is intended to serve as a waiver of sovereign immunity by either Party nor shall anything included herein be construed as consent to be sued by third parties in any matter arising out of this Agreement or any other contract. The Parties are subject to section 768.28, Florida Statutes, as may be amended from time to time. The provisions of this section shall survive termination of this Agreement.

11. Public Records. Except as may otherwise be provided herein, the Parties shall each maintain their own respective records and documents associated with this Agreement in accordance with the requirements for records retention set forth in Chapter 119, Florida Statutes. More specifically, each Party will:

    11.1.1.1. Keep and maintain public records that ordinarily and necessarily would be required by the Party to perform the services required by this Agreement.

    11.1.1.2. Provide the public with access to public records at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

11.1.1.3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

11.1.1.4. Meet all requirements for retaining public records and transfer, at no cost to the other Party.

12. Notices/Authorized Representatives. Any notices required by this Agreement shall be in writing and shall be deemed to have been properly given if transmitted by hand-delivery, by registered or certified mail with postage prepaid return receipt requested, or by a private postal service, addressed to the parties (or their successors) at the addresses listed on the signature page of this Agreement or such other address as the party may have designated by proper notice.

13. Dispute Resolution; Governing Law; Venue. The Parties shall resolve any disputes, controversies, or claims between them arising out of this Agreement in accordance with the "Florida Governmental Conflict Resolution Act", Chapter 164, Florida Statutes, as amended. This Agreement shall be construed in accordance with and governed by the laws of the State of Florida. Venue for any proceedings arising out of this Agreement shall be proper exclusively in Miami-Dade County, Florida. IN THE EVENT OF ANY LITIGATION ARISING OUT OF THIS AGREEMENT, EACH PARTY HEREBY KNOWINGLY, IRREVOCABLY, VOLUNTARILY AND INTENTIONALLY WAIVES ITS RIGHT TO TRIAL BY JURY.

14. Entire Agreement/Modification/Amendment.

14.1. This writing contains the entire Agreement of the parties and supersedes any prior oral or written representations. No representations were made or relied upon by either party, other than those that are expressly set forth herein.

14.2. No agent, employee, or other representative of either party is empowered to modify or amend the terms of this Agreement, unless executed with the same formality as this document.

14.3. This Agreement may be amended at any time by filing subsequent amendments which will be subject to the same approval process and shall thereafter become a part of this Agreement.

15. Conflicts: Any conflicts between this Agreement and Section 166.011, Florida Statutes, et. seq., The Municipal Home Rule Powers Act, will be controlled by the provisions of the latter whenever conditions exist that are within the definitions stated in Section 166.011, Florida Statutes.

16. Severability. If any term or provision of this Agreement shall to any extent be held invalid or unenforceable, the remainder of this Agreement shall not be affected thereby, and each remaining term and provision of this Agreement shall be valid and be enforceable to the fullest extent permitted by law.

17. Survival of Provisions. Any terms or conditions of either this Agreement that require acts beyond the date of the term of the Agreement, shall survive termination of the Agreement, shall remain in full force and effect unless and until the terms or conditions are completed and shall be fully enforceable by either party.

18. Counterparts. This Agreement may be executed in several counterparts, each of which shall be deemed an original and such counterparts shall constitute one and the same instrument.

19. Headings. The headings or captions of sections or paragraphs used in this Agreement are for convenience of reference only and are not intended to define or limit their contents, nor are they to affect the construction of or to be taken into consideration in interpreting this Agreement.

20. Ambiguities. The preparation of this Agreement has been a joint effort of the Parties hereto and both Parties have had the benefit of consultation with legal counsel of their choosing prior to its execution. The resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the Parties than the other.

21. Recording with Miami-Dade Clerk of Court. Pursuant to Section 163.01(11), Florida Statutes, prior to its effectiveness, this Agreement and subsequent amendments thereto shall be filed with the clerk of the circuit court of each county where a party to the Agreement is located.

22. Filing with FDLE. Pursuant to Section 23.1225(4), Florida Statutes, this Agreement shall be filed with the Department of Law Enforcement within 14 days after it is signed.

[Remainder of page intentionally left blank. Signature pages follow.]

DRAFT

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year as first stated above.

CITY OF MIAMI

By: _____
Arthur Noriega
City Manager

Attest:

By: _____
Todd B. Hannon
City Clerk

Approved as to form and legal sufficiency:

By: _____
Victoria Mendez
City Attorney

By: _____
Manuel A. Morales
Chief of Police

Approved as to insurance requirements:

By: _____
Ann-Marie Sharpe
Risk Management Director

Addresses for Notice:

_____
_____
_____
_____
_____
_____

With a copy to:

_____
_____
_____
_____
_____
_____

NORTH BAY VILLAGE

By: _____
Dr. Ralph Rosado, AICP
Village Manager

Attest:

By: _____
Alba L. Chang, CMC
Village Clerk

Approved as to form and legal sufficiency:

By: _____
Weiss Serota Helfman Cole & Bierman, P.L.
Village Attorney

By: _____
Carlos Noriega
Chief of Police

Addresses for Notice:
North Bay Village
Attn: Dr. Ralph Rosado, AICP, Village Manager
1666 Kennedy Causeway, 3rd Floor
North Bay Village, FL 33141
305-758-7171 (telephone)
rrosado@nbvillage.com (email)

With a copy to:
Weiss Serota Helfman Cole & Bierman, P.L.
Attn: Haydee Sera, Esq.
North Bay Village Attorney
2800 Ponce de Leon Boulevard, 12th Floor
Coral Gables, FL 33134
hsera@wsh-law.com (email)

EXHIBIT A
JOINT PUBLIC SAFETY AND IMPROVEMENT ZONE

ITEM NO. 14.D

North Bay Village
Recommendation Memorandum

DATE: **March 12, 2024**

TO: **Honorable Mayor, Vice Mayor and Members of the Village Commission**

FROM: **Leo Cosio,**

SPONSORED BY:

SUBJECT: **Discussion and Status Update on the 7918 West Drive Project -** ***Sponsored by Mayor Brent Latham and Vice Mayor Richard Chervony***

RECOMMENDATION

BACKGROUND AND ANALYSIS

The enclosed spreadsheet provides details on the damage incurred at Paul Vogel Park, including the overtime and straight-time costs of Village employees during the storm period. Additionally, information on reimbursements received from Florida Municipal Insurance Trust (FMIT) as of today's date is also provided. We submitted claims to FMIT in the amount of $40,376.76 (which includes damage to the facility and staff time). FMIT reimbursed us in the amount of $26,021.17. FMIT stated that regular time worked by staff is not covered. They also stated that the $25.00 for the damaged asphalt and the $600.00 for the replacement of the sod is not covered. We are still waiting on reimbursement for the electrical repairs to the timers that we submitted in the amount of $3,100.00.

Our insurance carrier has been notified to recover all funds disbursed by FMIT, which includes the deductible the Village paid on its policy, and depreciation costs from the contractor and developer. FMIT has advised us that they are currently pursuing subrogation against the developer and contractor for all these items through their Subrogation Department.

Parking Invoices Outstanding
January = $7,779.10
February = $7,779.10
March = $7,779.10

Off Duty Officers Invoices Outstanding
Week of 2/18/24 - 2/24/24 (was due March 1, pending) = $2,092.50
Week of 2/25/24 - 3/2/24 (due March 8, pending) = $9,460.00 (week of crane removal)

Village Staff is in the process of collecting the funds.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
None

PERSONNEL IMPACT
None

ATTACHMENTS
Damage and Cost Spreadsheet- w FMIT Reimbursement.pdf

Damaged Property	Damaged Items	Quantity	Cost	Reimbursed Amount from FMIT
Vogel Park by Thornton Construction	Sun Shade Sails (30'x30'x40' each sail, turquoise) Large plywood went through the sail. Proof was the plywood had teal fibers on it and was directly under the sail. 2x4 wood flew into the sail and became wedged into the playground equipment. (Installation and labor included in price)	2	$29,373.00	$21,016.80
	Camera/Security System (Repair and replace wiring, new mount and new cameras) Flying plywood took out the metal post with cameras attached.		$4,400.00	$3,425.00
	Officer Yesinei Cabrera -Forced Time ($78.66/hr)	5 hours	$393.30	$393.75
	Officer Wuihudson Francois - Forced Time ($72.12/hr)	5 hours	$360.60	$375.00
	Officer Marcel Ascanio - Call Out ($45.62/hr)	6 hours	$273.72	$378.56
	Officer Jairo Borrell - Call Out ($34.62/hr)	6 hours	$207.72	$432.06
	Electrical Repairs (repair pipe, replace both timers and rewire). Large plywood landed on electrical timers and conduit	1	$3,100.00	**Waiting on Reimbursement**
Grant Total Cost including Natural Causes			**$33,773.00**	**26,021.17**

Damaged Property	Staffing by the Police Department	Quantity	Cost	Paid by FMIT
Vogel Park by Thornton Construction *Paul Vogel Park suffered damage to two wind sails above the playground slides and the electrical box on the northeast corner of the park taking out power to the evening lighting in the park. Several surveillance cameras were also damaged by flying debris. It was eivdent that the damage was caused by wood from the construction site. (Photos and Video attached) **Lost use of park and facilities:** Park was immediately closed and remains locked until further notice. **Private Property -** There were 10 vehicle property damage reports taken on the day of the incident. Some reports include two vehicles owned by the same victim (PDF document with case numbers listed attached). Other reports may surface related to additional damage not yet reported. No other tangible loss identified at this time.	Deputy Police Chief Sam Bejar at ($70.5263/hr) Code Enforcement Director Orlando Rodriguez ($52.4738/hr) Lieutenant Peter Guevara ($56.45/hr) Officer Yesinei Cabrera -Straight Time ($39.33/hr) Officer Yesinei Cabrera -Forced Time ($78.66/hr) Officer Wuihudson Francois - Straight Time ($36.15/hr) Officer Wuihudson Francois - Forced Time ($72.12/hr) Officer Kenneth Hendon ($30.54/hr) Officer Marcel Ascanio - Call Out ($45.62/hr) Officer Jairo Borrell - Call Out ($34.62/hr)	4 hours 3 hours 6 hours 6 hours 5 hours 6 hours 5 hours 6 hours 6 hours 6 hours	$282.11 $157.41 $338.70 $235.98 $393.30 $216.88 $360.60 $183.24 $273.72 $207.72	Regular Time Not Covered Regular Time Not Covered Regular Time Not Covered Regular Time Not Covered $393.75 Regular Time Not Covered $375.00 Regular Time Not Covered $378.56 $432.06
Total Expenditure - Salaries		**53 hours**	**$2,649.66**	**$1,579.37**

Damaged Property	Damaged Items	Quantity	Cost	Reimbursed Amount from FMIT
Vogel Park by Thornton Construction	Sun Shade Sails (30'x30'x40' each sail, turquoise) Large plywood went through the sail. Proof was the plywood had teal fibers on it and was directly under the sail. 2x4 wood flew into the sail and became wedged into the playground equipment. (Installation and labor included in price)	2	$29,373.00	$21,016.80
	Asphalt damage on pathway (a 2'x3' area) A group of rebar fell onto the pathway crushing the asphalt area	1	$25.00	$0 (Not Covered)
	Electrical Repairs (repair pipe, replace both timers and rewire). Large plywood landed on electrical timers and conduit	1	$3,100.00	**Waiting on Reimbursement**
	Sod, 1 new pallet of sod including installation Scaffolding landed in grass, causing large cavities and craters	1	$600.00	$0 (Not Covered)
	Camera/Security System (Repair and replace wiring, new mount and new cameras) Flying plywood took out the metal post with cameras attached.		$4,400.00	$3,425.00
STAFF TIME: 2 Staff members	Staff 1 - 5 hours Staff 2 - 5 hours Working West Drive cleaning up plywood, screws, construction netting and scaffolding parts assisting the Police Department where needed.	5 hours 5 hours	$117.34 $111.76	Regular Time Not Covered Regular Time Not Covered
Total Cost by Thornton Construction			**$37,727.10**	
Grant Total Cost including Natural Causes			**$37,727.10**	**$24,441.80**

ITEM NO. 14.E

North Bay Village
Recommendation Memorandum

DATE: March 12, 2024

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Ralph Rosado, PhD, AICP, Village Manager

SPONSORED BY: Mayor Brent Latham

SUBJECT: Discussion Regarding Regulations for Floating Platforms - ***Sponsored by Mayor Brent Latham***

RECOMMENDATION

Discuss legal and administrative processes related to addressing nuisances caused by floating platforms and associated businesses near Village waters.

BACKGROUND AND ANALYSIS

Floating platforms and the businesses they house have posed a nuisance to North Bay Village residents and other stakeholders for some time. Despite the Mutual Aid Agreement that NBV has in place with Miami-Dade County, a copy of which accompanies this item, assorted regulations have seemed not to provide sufficient latitude for Village marine patrol staff to address these issues in nearby, non-Village waters. Recent communication (including the accompanying email) with County Officials explain what appears to be a different, more recent approach that involves the Miami-Dade Police Department utilizing Chapter 705 of the Florida Statutes, which pertains to abandoned property. If it is determined that a floating platform meets that definition, then the floating platform is tagged by law enforcement, giving notification for the platform's owner to remove the structure. If it is not removed within 5 days, it is removed by the marine patrol. Per the communication, thus far when the owners are identified, all such structures have been removed by the responsible party.

The relevant Florida Statutes, explain, in part,

705.101 **Definitions.—As used in this chapter:**

(1) "Abandoned property" means all tangible personal property that does not have an identifiable owner and that has been disposed on public property in a wrecked, inoperative, or partially dismantled condition or has no apparent intrinsic value to the rightful owner. The term includes derelict vessels as

defined in s. 823.11 and vessels declared a public nuisance pursuant to s. 327.73(1)(aa).

705.103

b. A derelict vessel or a vessel declared a public nuisance pursuant to s. 327.73(1)(aa) is present on the waters of this state, the officer shall cause a notice to be placed upon such vessel in substantially the following form:

NOTICE TO THE OWNER AND ALL PERSONS INTERESTED IN THE ATTACHED VESSEL. This vessel, to wit: (setting forth brief description of location) has been determined to be (derelict or a public nuisance) and is unlawfully upon the waters of this state (setting forth brief description of location) and must be removed within 21 days; otherwise, it will be removed and disposed of pursuant to chapter 705, Florida Statutes. The owner and other interested parties have the right to a hearing to challenge the determination that this vessel is derelict or otherwise in violation of the law. Please contact (contact information for person who can arrange for a hearing in accordance with this section). The owner or the party determined to be legally responsible for the vessel being upon the waters of this state in a derelict condition or as a public nuisance will be liable for the costs of removal, destruction, and disposal if this vessel is not removed by the owner. Dated this: (setting forth the date of posting of notice), signed: (setting forth name, title, address, and telephone number of law enforcement officer).

Legal analysis by the Village attorney is forthcoming; meetings with relevant County staff are underway, to explore this possibility for Village enforcement of infractions on adjacent waters using this approach.

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)

TBD

PERSONNEL IMPACT

TBD

ATTACHMENTS

Emails Regarding Floating Platforms.pdf
FS Procedure for Abandoned or Lost Property.pdf
FS Definitions for Lost of Abandoned Property.pdf
MIAMI DADE COUNTY- Mutual Aid Agreement- EXP 1-1-2025.pdf

From: Roque, Kevin (DIST4)
To: Ralph Rosado; Samuel Bejar, MPA
Cc: Amador Robinson,Margaret (DIST4)
Subject: FW: [External] Floating Platforms
Date: Friday, March 1, 2024 9:15:47 AM

Good Morning,

Please see email Below From our DERM director regarding Floating platforms.

Thank you.

Regards,

Kevin Roque
Commission Aide
Office of Commissioner Micky Steinberg
111 NW 1st Street, Suite 220
Miami, FL 33179
Cell: 305-781-7392
Office: 305-375-5128
Kevin.roque@miamidade.gov

From: Spadafina, Lisa (RER) <Lisa.Spadafina@miamidade.gov>
Sent: Thursday, February 29, 2024 5:06 PM
To: Amador Robinson,Margaret (DIST4) <Margaret.Amador@miamidade.gov>
Cc: Ferreiro, Mary (DIST4) <Mary.Ferreiro@miamidade.gov>
Subject: RE: Floating Platforms

Good afternoon Margie,

My apologies for not getting back to you sooner. I can't speak to municipal process, but I checked with our MDD Illegal Dumping Unit. My understanding is that MDPD is utilizing Chapter 705 of the Florida Statute which pertains to abandoned property. This is also the part of the FS that pertains to derelict vessels. Once they identify that the structure meets the definition in the FS, they tag the floating platform giving notification for the owner to remove the structure. If it is not removed within 5 days, it is removed by the marine patrol. According to MDPD when there is a responsible party the Illegal Dumping Unit is utilizing Chapter 24 and Chapter 7 of the County Code. Once they identify that the structure meets the definition in the Code, they are issuing Complaint /Arrest Affidavits citing these sections of the County Code for appearance of the defendant at court. My understanding is that so far when the owners are identified, the MDPD has not needed to remove the floating platform, they have all been removed by the responsible party.

Those are the details that I have; but should I hear more about this process, I will update you.

Thanks,
Lisa

Lisa M. Spadafina
Director, Division of Environmental Resources Management (DERM)
Regulatory and Economic Resources
701 NW 1st Court, 4th Floor, Miami, Florida 33136
(305) 372-6754
www.miamidade.gov/environment
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Select Year: 2023 Go

The 2023 Florida Statutes (including Special Session C)

Title XL
REAL AND PERSONAL PROPERTY

Chapter 705
LOST OR ABANDONED PROPERTY

View Entire Chapter

705.103 Procedure for abandoned or lost property.—

(1) Whenever a law enforcement officer ascertains that an article of lost or abandoned property is present on public property and is of such nature that it can be easily removed, the officer shall take such article into custody and shall make a reasonable attempt to ascertain the rightful owner or lienholder pursuant to the provisions of this section.

(2)(a)1. Whenever a law enforcement officer ascertains that:

a. An article of lost or abandoned property other than a derelict vessel or a vessel declared a public nuisance pursuant to s. 327.73(1)(aa) is present on public property and is of such nature that it cannot be easily removed, the officer shall cause a notice to be placed upon such article in substantially the following form:

NOTICE TO THE OWNER AND ALL PERSONS INTERESTED IN THE ATTACHED PROPERTY. This property, to wit: _(setting forth brief description)_ is unlawfully upon public property known as _(setting forth brief description of location)_ and must be removed within 5 days; otherwise, it will be removed and disposed of pursuant to chapter 705, Florida Statutes. The owner will be liable for the costs of removal, storage, and publication of notice. Dated this: _(setting forth the date of posting of notice)_, signed: _(setting forth name, title, address, and telephone number of law enforcement officer)_.

b. A derelict vessel or a vessel declared a public nuisance pursuant to s. 327.73(1)(aa) is present on the waters of this state, the officer shall cause a notice to be placed upon such vessel in substantially the following form:

NOTICE TO THE OWNER AND ALL PERSONS INTERESTED IN THE ATTACHED VESSEL. This vessel, to wit: _(setting forth brief description of location)_ has been determined to be _(derelict or a public nuisance)_ and is unlawfully upon the waters of this state _(setting forth brief description of location)_ and must be removed within 21 days; otherwise, it will be removed and disposed of pursuant to chapter 705, Florida Statutes. The owner and other interested parties have the right to a hearing to challenge the determination that this vessel is derelict or otherwise in violation of the law. Please contact _(contact information for person who can arrange for a hearing in accordance with this section)_. The owner or the party determined to be legally responsible for the vessel being upon the waters of this state in a derelict condition or as a public nuisance will be liable for the costs of removal, destruction, and disposal if this vessel is not removed by the owner. Dated this: _(setting forth the date of posting of notice)_, signed: _(setting forth name, title, address, and telephone number of law enforcement officer)_.

2. The notices required under subparagraph 1. may not be less than 8 inches by 10 inches and must be sufficiently weatherproof to withstand normal exposure to the elements. In addition to posting, the law enforcement officer shall make a reasonable effort to ascertain the name and address of the owner. If such is reasonably available to the officer, she or he shall mail a copy of such notice to the owner on or before the date of posting. If the property is a motor vehicle as defined in s. 320.01(1) or a vessel as defined in s. 327.02, the law enforcement agency shall contact the Department of Highway Safety and Motor Vehicles in order to determine the name and address of the owner and any person who has filed a lien on the vehicle or vessel as provided in s. 319.27(2) or (3) or s. 328.15. On receipt of this information, the law enforcement agency shall mail a copy of the notice by certified mail, return receipt requested, to the owner and to the lienholder, if any, except that a law enforcement officer who has issued a citation for a violation of s. 823.11 to the owner of a derelict vessel is not required to mail a copy of the notice by certified mail, return receipt requested, to the owner. For a derelict vessel or a vessel declared a public nuisance pursuant to s. 327.73(1)(aa), the mailed notice must inform the owner or responsible party that he or she has a right to a hearing to dispute the determination that the vessel is derelict or otherwise in violation of the law. If a request for a hearing is made, a state agency shall follow the processes as set forth in s. 120.569. Local governmental entities shall follow the processes set forth in s. 120.569, except that a local judge, magistrate, or code enforcement officer may be designated to conduct such a hearing. If, at the end of 5 days after posting the notice in sub-subparagraph 1.a., or at the end of 21 days after posting the notice in sub-subparagraph 1.b., and mailing such notice, if required, the owner or any person interested in the lost or abandoned article or articles described has not removed the article or articles from public property or shown reasonable cause for failure to do so, and, in the case of a derelict vessel or a vessel declared a public nuisance pursuant to s. 327.73(1)(aa), has not requested a hearing in accordance with this section, the following shall apply:

a. For abandoned property other than a derelict vessel or a vessel declared a public nuisance pursuant to s. 327.73(1)(aa), the law enforcement agency may retain any or all of the property for its own use or for use by the state or unit of local government, trade such property to another unit of local government or state agency, donate the property to a charitable organization, sell the property, or notify the appropriate refuse removal service.

b. For a derelict vessel or a vessel declared a public nuisance pursuant to s. 327.73(1)(aa), the law enforcement agency or its designee may:

(I) Remove the vessel from the waters of this state and destroy and dispose of the vessel or authorize another governmental entity or its designee to do so; or

(II) Authorize the vessel's use as an artificial reef in accordance with s. 379.249 if all necessary federal, state, and local authorizations are received.

A law enforcement agency or its designee may also take action as described in this sub-subparagraph if, following a hearing pursuant to this section, the judge, magistrate, administrative law judge, or hearing officer has determined the vessel to be derelict as provided in s. 823.11 or otherwise in violation of the law in accordance with s. 327.73(1)(aa) and a final order has been entered or the case is otherwise closed.

(b) For lost property, the officer shall take custody and the agency shall retain custody of the property for 90 days. The agency shall publish notice of the intended disposition of the property, as provided in this section, during the first 45 days of this time period.

1. If the agency elects to retain the property for use by the unit of government, donate the property to a charitable organization, surrender such property to the finder, sell the property, or trade the property to another unit of local government or state agency, notice of such election shall be given by an advertisement published once a week for 2 consecutive weeks in a newspaper of general circulation in the county where the property was found if the value of the property is more than $100. If the value of the property is $100 or less, notice shall be given by posting a description of the property at the law enforcement agency where the property was turned in. The notice must be posted for not less than 2 consecutive weeks in a public place designated by the law enforcement agency. The notice must describe the property in a manner reasonably adequate to permit the rightful owner of the property to claim it.

2. If the agency elects to sell the property, it must do so at public sale by competitive bidding. Notice of the time and place of the sale shall be given by an advertisement of the sale published once a week for 2 consecutive weeks in a newspaper of general circulation in the county where the sale is to be held. The notice shall include a statement that the sale shall be subject to any and all liens. The sale must be held at the nearest suitable place to that where the lost or abandoned property is held or stored. The advertisement must include a description of the goods and the time and place of the sale. The sale may take place no earlier than 10 days after the final publication. If there is no newspaper of general circulation in the county where the sale is to be held, the advertisement shall be posted at the door of the courthouse and at three other public places in the county at least 10 days prior to sale. Notice of the agency's intended disposition shall describe the property in a manner reasonably adequate to permit the rightful owner of the property to identify it.

(3) If the property is sold at public sale pursuant to subparagraph (2)(b)2., the agency shall deduct from the proceeds the costs of transportation, storage, and publication of notice, and any balance of proceeds shall be deposited into an interest-bearing account not later than 30 days after the date of the sale and held there for 1 year. The agency shall provide a bill of sale clearly stating that the sale is subject to any and all liens. The rightful owner of the property may claim the balance of the proceeds within 1

year from the date of the above stated deposit by making application to the agency. If no rightful owner comes forward with a claim to the property within the designated year, the balance of the proceeds shall be deposited into the State School Fund.

(4) The owner of any abandoned or lost property, or in the case of a derelict vessel or a vessel declared a public nuisance pursuant to s. 327.73(1)(aa), the owner or other party determined to be legally responsible for the vessel being upon the waters of this state in a derelict condition or as a public nuisance, who, after notice as provided in this section, does not remove such property within the specified period is liable to the law enforcement agency, other governmental entity, or the agency's or entity's designee for all costs of removal, storage, destruction, and disposal of such property, less any salvage value obtained by disposal of the property. Upon final disposition of the property, the law enforcement officer or representative of the law enforcement agency or other governmental entity shall notify the owner, or in the case of a derelict vessel or vessel declared a public nuisance pursuant to s. 327.73(1)(aa), the owner or other party determined to be legally responsible, if known, of the amount owed. In the case of an abandoned vessel or motor vehicle, any person who neglects or refuses to pay such amount is not entitled to be issued a certificate of registration for such vessel or motor vehicle, or any other vessel or motor vehicle, until such costs have been paid. A person who has neglected or refused to pay all costs of removal, storage, disposal, and destruction of a vessel or motor vehicle as provided in this section, after having been provided written notice via certified mail that such costs are owed, and who applies for and is issued a registration for a vessel or motor vehicle before such costs have been paid in full commits a misdemeanor of the first degree, punishable as provided in s. 775.082 or s. 775.083. The law enforcement officer or representative of the law enforcement agency or other governmental entity shall supply the Department of Highway Safety and Motor Vehicles with a list of persons whose vessel registration privileges and motor vehicle privileges have been revoked under this subsection. The department or a person acting as an agent of the department may not issue a certificate of registration to a person whose vessel and motor vehicle registration privileges have been revoked, as provided by this subsection, until such costs have been paid.

(5) Whoever opposes, obstructs, or resists any law enforcement officer or any person authorized by the law enforcement officer in the discharge of her or his duties as provided in this section upon conviction is guilty of a misdemeanor of the second degree, punishable as provided in s. 775.082 or s. 775.083.

(6) Any law enforcement officer or any person authorized by the law enforcement officer is immune from prosecution, civil or criminal, for reasonable, good faith trespass upon real property while in the discharge of duties imposed by this section.

(7) The rightful owner shall be liable for the law enforcement agency's costs for transportation and storage of lost or abandoned property and the agency's cost for publication of notice of disposition of lost property. If the rightful owner does not pay such costs within 30 days of making claim to the property, title to the property shall vest in the law enforcement agency.

History.—s. 3, ch. 87-82; s. 1, ch. 90-307; s. 12, ch. 94-241; s. 471, ch. 94-356; s. 1, ch. 97-51; s. 791, ch. 97-102; s. 29, ch. 2000-197; s. 10, ch. 2006-309; s. 15, ch. 2017-163; s. 29, ch. 2019-76; ss. 27, 28, ch. 2021-184; ss. 11, 12, ch. 2022-142.

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Select Year: 2023 Go

The 2023 Florida Statutes (including Special Session C)

Title XL
REAL AND PERSONAL PROPERTY

Chapter 705
LOST OR ABANDONED PROPERTY

View Entire Chapter

705.101 Definitions.—As used in this chapter:

(1) "Abandoned property" means all tangible personal property that does not have an identifiable owner and that has been disposed on public property in a wrecked, inoperative, or partially dismantled condition or has no apparent intrinsic value to the rightful owner. The term includes derelict vessels as defined in s. 823.11 and vessels declared a public nuisance pursuant to s. 327.73(1)(aa).

(2) "Law enforcement officer" means any person who is elected, appointed, or employed full time by any sheriff, any municipality, or the state or any political subdivision thereof; who is vested with authority to bear arms and make arrests; and whose primary responsibility is the prevention and detection of crime or the enforcement of the penal, criminal, traffic, or highway laws of the state. This definition includes all certified supervisory and command personnel whose duties include, in whole or in part, the supervision, training, guidance, and management responsibilities of full-time law enforcement officers or auxiliary law enforcement officers but does not include support personnel employed by the employing agency.

(3) "Local government" means the board of county commissioners of a county or the commission or council of any municipality in the county.

(4) "Lost property" means all tangible personal property which does not have an identifiable owner and which has been mislaid on public property, upon a public conveyance, on premises used at the time for business purposes, or in parks, places of amusement, public recreation areas, or other places open to the public in a substantially operable, functioning condition or which has an apparent intrinsic value to the rightful owner.

(5) "Public property" means lands and improvements owned by the Federal Government, the state, the county, or a municipality and includes sovereignty submerged lands located adjacent to the county or municipality, buildings, grounds, parks, playgrounds, streets, sidewalks, parkways, rights-of-way, and other similar property.

(6) "Unclaimed evidence" means any tangible personal property, including cash, not included within the definition of "contraband article," as provided in s. 932.701(2), which was seized by a law enforcement agency, was intended for use in a criminal or quasi-criminal proceeding, and is retained by the law enforcement agency or the clerk of the county or circuit court for 60 days after the final disposition of the proceeding and to which no claim of ownership has been made.

History.—s. 1, ch. 87-82; s. 15, ch. 89-268; s. 470, ch. 94-356; s. 70, ch. 99-248; s. 28, ch. 2000-197; s. 35, ch. 2002-46; s. 5, ch. 2004-39; s. 30, ch. 2004-344; s. 9, ch. 2006-309; s. 5, ch. 2014-143; s. 10, ch. 2022-142; s. 118, ch. 2023-8.

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LAW ENFORCEMENT MUTUAL AID AGREEMENT
BETWEEN MIAMI-DADE COUNTY AND
THE CITY OF NORTH BAY VILLAGE
FOR VOLUNTARY COOPERATION AND
OPERATIONAL ASSISTANCE

WHEREAS, it is the responsibility of the government of Miami-Dade County, Florida, and the subscribing municipality to ensure the public safety of their citizens by providing adequate levels of police services to address any foreseeable routine or emergency situation; and

WHEREAS, there is an existing and continuing possibility of the occurrence of natural or manmade disasters or emergencies and other major law enforcement problems, including those that cross jurisdictional lines, that will require coordinated law enforcement efforts to ensure that preparations of this County will be adequate to deal with such activity, protect the public peace and safety, and preserve the lives and property of the people of the County; and

WHEREAS, in order to ensure that law enforcement agencies are prepared to competently address any and all conditions as they arise to protect the public peace and safety of Miami-Dade County citizens, it is in the best interests of the community and law enforcement for police agencies to engage in mutual aid; and

WHEREAS, the subscribing law enforcement agencies have the authority under Florida Statutes Chapter 23, Part I, *Florida Mutual Aid Act*, and under Florida Statutes Section 316.640, *Enforcement*, to enter into a Mutual Aid Agreement,

NOW, THEREFORE, BE IT KNOWN that Miami-Dade County, a political subdivision of the State of Florida, and the undersigned municipality, in consideration

for mutual promises to render valuable aid in times of necessity, do hereby agree to fully and faithfully abide by and be bound by the following terms and conditions:

SECTION I. PURPOSE AND TERMS

A. Short title: Mutual Aid Agreement

B. Description: Since this Mutual Aid Agreement provides for the requesting and rendering of assistance for both routine and law enforcement intensive situations, this Mutual Aid Agreement combines the elements of both a voluntary cooperation agreement and a requested operational assistance agreement, as described in Chapter 23, Part I, Florida Statutes.

C. Definitions:

1. Chief Executive Official: Either the Mayor of Miami-Dade County, or the Chief Executive Official of the participating municipality, who has the authority to contractually bind the agency and has executed this Agreement, upon the approval of the governing body of each entity.
2. Agency Head: Either the Director of the Miami-Dade Police Department, or the Director's designee; and the Chief of Police of the municipal law enforcement agency, or the Chief's designee.
3. Participating law enforcement agency: The police department of any law enforcement agency in Miami-Dade County, Florida, that has approved and executed this Agreement.
4. Certified law enforcement employee: Any law enforcement employee certified as provided in Chapter 943, Florida Statutes.

SECTION II. PROCEDURES

A. Operations:

1. In the event that a party to this Agreement is in need of assistance as specified herein, an authorized representative of the police department requiring assistance shall notify the agency from which such assistance is requested. The authorized agency representative whose assistance is sought shall evaluate the situation and the available resources, and will respond in a manner deemed appropriate.

2. Each party to this Agreement agrees to furnish necessary personnel, equipment, facilities, and other resources and to render services to the other party as required to assist the requesting party in addressing the situation which necessitated the request; provided, however, that no party shall be required to deplete unreasonably its own personnel, equipment, facilities, and other resources and services in rendering such assistance.

3. The Agency Heads of the participating law enforcement agencies, or their designees, shall establish procedures for giving control of the mission definition to the requesting agency, and for giving tactical control over accomplishing any such assigned mission and supervisory control over all personnel, equipment, facilities, and other resources and services provided pursuant to this Agreement to the providing agency.

B. Powers, Privileges, Immunities, and Costs:

1. All employees of the participating law enforcement agency, including certified law enforcement employees, during such time that said employees are

actually providing aid outside of the jurisdictional limits of their employing agency pursuant to a request for aid made in accordance with this Agreement, shall, pursuant to the provisions of this Mutual Aid Agreement, have the same powers, duties, rights, privileges, and immunities as if they were performing duties in the jurisdiction in which they are normally employed.

2. The political subdivision having financial responsibility for the participating law enforcement agency providing personnel, equipment, facilities, and other resources and services pursuant to the provisions of this Agreement shall bear any loss or damage to same and shall pay any and all expenses incurred in the maintenance and operation of same.

3. The political subdivision having financial responsibility for the participating law enforcement agency providing aid pursuant to this Agreement shall compensate all of its employees rendering aid pursuant to the Agreement during the time of the rendering of such aid, and shall defray the actual travel and maintenance expenses of such employees while they are rendering such aid. Such compensation shall include any amounts paid or due for compensation due to personal injury or death while such employees are engaged in rendering such aid. Such compensation shall also include all benefits normally due such employees.

4. All exemption from ordinances and rules, and all pension, insurance, relief, disability, workers' compensation, salary, death, and other benefits which apply to the activity of such officers, agents, or employees of any such

agency when performing their respective functions within the territorial limits of their respective agencies shall apply to them to the same degree, manner, and extent while engaged in the performance of their functions and duties extra territorially under the provisions of this Mutual Aid Agreement. The provisions of this Agreement shall apply with equal effect to paid and auxiliary employees.

C. Indemnification: Each party engaging in any mutual cooperation and assistance pursuant to this Agreement agrees to assume responsibility for the acts, omissions, or conduct of such party's own employees while participating herein and pursuant to this Agreement, subject to the provisions of Section 768.28, Florida Statutes, where applicable. "Assume Responsibility" shall mean incurring any and all costs associated with any suit, action, or claim for damages arising from the performance of this Agreement.

D. Forfeitures: It is recognized that during the course of the operation of this Agreement, property subject to forfeiture under the Florida Contraband Forfeiture Act, Section 932.701 et. seq., Florida Statutes, may be seized. The property shall be seized, forfeited, and equitably distributed among the participating agencies in proportion to the amount of investigation and participation performed by each agency, less the costs associated with the forfeiture action. Any participating law enforcement agency must request sharing, in writing, before the entry of a Final Order of Forfeiture, or they will be barred from claiming any portion of the property forfeited. The agency pursuing the forfeiture action shall have the exclusive right to control and the responsibility to maintain the property,

including, but not limited to, the complete discretion to bring the action, or to dismiss the action, or to settle, pursuant to the provisions of the Florida Contraband Forfeiture Act.

E. Conflicts: Any conflicts between this Agreement and the Florida Mutual Aid Act will be controlled by the provisions of the latter, whenever conditions exist that are within the definitions stated in Chapter 23, Part I, Florida Statutes.

SECTION III. COMMAND AND SUPERVISORY RESPONSIBILITY

A. Command: The personnel, equipment, facilities, and other resources and services that are assigned by the assisting entity shall be under the immediate command and direct supervision of a supervising officer designated by the assisting Director or Chief of Police, or his/her designee.

B. Conflicts: Whenever an officer is rendering assistance pursuant to this Agreement, the officer shall abide by and be subject to the rules and regulations, personnel policies, general orders, and standard operating procedures of his or her own employer. If any such rule, regulation, personnel policy, general order or standard operating procedure is contradicted, contravened or otherwise in conflict with a direct order of a superior officer of the requesting agency, then such rule, regulation, policy, general order or procedure of the assisting agency shall control, and shall supersede the direct order.

C. Complaints: Whenever there is cause to believe that a complaint has arisen as a result of a cooperative effort as it may pertain to this Agreement, the Director or Chief of Police, or his/her designee, of the agency employing the officer who is the subject of the complaint, shall be responsible for the investigation of the complaint.

The Director or Chief of Police or designee of the requesting agency should ascertain at a minimum:

1. The identity of the complainant;
2. An address where the complaining party can be contacted;
3. The specific allegation, and;
4. The identity of the employee accused.

If it is determined during the investigation of a complaint that the accused is an employee of the assisting agency, the above information, with all pertinent documentation gathered during the receipt and processing of the complaint, shall be forwarded without delay to the assisting agency for administrative review. The requesting agency may conduct a review of the complaint to determine if any factual basis for the complaint exists and/or whether any of the employees of the requesting agency violated any of their agency's policies or procedures.

SECTION IV. PROVISIONS FOR VOLUNTARY AND OPERATIONAL ASSISTANCE

A. A deputy sheriff or police officer of either participating law enforcement agency shall be considered to be operating under the provisions of this Mutual Aid Agreement when participating in law enforcement activities that are preplanned and approved by each respective agency head, or appropriately dispatched in response to a request for assistance from the other law enforcement agency.

B. In compliance with and under the authority of this Mutual Aid Agreement, entered into by Miami-Dade County and the participating municipality, it is hereby declared that the following list comprises the nature of assistance, and the circumstances and conditions under which mutual aid may be requested and

rendered regarding police operations pursuant to the Agreement. The list includes, but is not necessarily limited to, dealing with the following:

1. Voluntary:
    a. Joint multi-jurisdictional criminal investigations.
    b. Major events; e.g., sporting events, concerts, parades, fairs, festivals and conventions.
    c. Joint training in areas of mutual need.
    d. Off-duty special events.
    e. Joint multi-jurisdictional marine interdiction operations.
    f. Security and escort duties for dignitaries.
2. Operational:
    a. Hostage and barricaded subject situations, and aircraft piracy.
    b. Control of major crime scenes, area searches, perimeter control, back-ups to emergency and in-progress calls, pursuits, and missing person calls.
    c. Enemy attack.
    d. Transportation of evidence requiring security.
    e. Civil affray or disobedience, disturbances, riots, large protest demonstrations, controversial trials, political conventions, labor disputes, and strikes.
    f. Any natural, technological, or manmade disaster. Emergency situations in which one agency cannot perform its functional objective.
    g. Incidents requiring utilization of specialized units; e.g., underwater recovery, aircraft, canine, motorcycle, bicycle, mounted, Special

Response Teams, bomb, crime scene, marine patrol, and police information.

h. Incidents which require rescue operations and crowd and traffic control measures including, but not limited to, large-scale evacuations, aircraft and shipping disasters, fires, explosions, gas line leaks, radiological incidents, train wrecks and derailments, chemical or hazardous waste spills, and electrical power failures.

i. Terrorist activities including, but not limited to, acts of sabotage.

j. Escapes from or disturbances within detention facilities.

SECTION V. PROCEDURES FOR REQUESTING MUTUAL AID

The following procedures will apply to situations requiring operational assistance:

A. Mutual aid requested or rendered will be approved by the Director or the Chief of Police, or their designees.

B. Specific reporting instructions for personnel rendering mutual aid should be included in the request for mutual aid. In the absence of such instructions, personnel will report to the ranking on-duty supervisor on the scene.

C. Communications instructions will be included in each request for mutual aid. The Miami-Dade Police Department Communications Bureau will maintain radio contact with the involved agencies until the mutual aid situation has ended.

D. Incidents requiring mass processing of arrestees, transporting prisoners and operating temporary detention facilities will be handled per established procedures.

SECTION VI. CONCURRENT JURISDICTION

It is to the mutual benefit of the participating law enforcement agency and the Miami-Dade Police Department, through voluntary cooperation, to exercise concurrent jurisdiction over the areas described in subparagraphs A. and B. below, in that officers, while in another jurisdiction, are often present at events where immediate action is necessary, or are able to expeditiously conclude an investigation by identifying and arresting an offender.

A. Concurrent law enforcement jurisdiction in and throughout the territorial limits of the participating municipalities located in Miami-Dade County and in unincorporated Miami-Dade County for arrests made pursuant to the laws of arrest, for felonies and misdemeanors, including arrestable traffic offenses, which spontaneously take place in the presence of the arresting officer, at such times as the arresting officer is traveling from place to place on official business outside of his or her jurisdiction; for example, to or from court, provided that, in the context of this Agreement, "official business outside of his or her jurisdiction" shall not include routine patrol activities. This Agreement excludes those areas within the territorial limits of any municipality not participating in Mutual Aid with Miami-Dade County, and in any areas in which the Miami-Dade Police Department does not have law enforcement jurisdiction.

B. Concurrent law enforcement jurisdiction in and throughout the territorial limits of the participating municipalities located in Miami-Dade County and in unincorporated Miami-Dade County, for arrests made pursuant to the laws of arrest of persons identified as a result of investigations of any offense

constituting a felony or any act of domestic violence as defined in Section 741.28, Florida Statutes, when such offense occurred in the jurisdiction of the agency employing the arresting officer. However, absent a search warrant, concurrent jurisdiction under this subparagraph does not include authority to make nonconsensual or forcible entries into private dwellings, residences, living spaces or business spaces which are not open to the public. Authority derived pursuant to this subparagraph may be exercised only when in places open to the public or private places into which the arresting officer has entered with the consent of an occupant entitled to give consent. When operating under mutual aid, participating agency officers may execute search warrants outside the jurisdiction of their employing municipality for offenses which occurred in their jurisdiction. Participating agency officers may execute the search warrant, impound all property, make arrests, and file the Return and Inventory. This concurrent jurisdiction excludes those areas within the territorial limits of any municipality not participating in mutual aid with Miami-Dade County, and in any areas in which the Miami-Dade Police Department does not have law enforcement jurisdiction.

C. Prior to any officer taking enforcement action pursuant to either paragraph A. or B. above, the officer shall notify the designated officer of the jurisdiction in which the action will be taken, unless exigent circumstances prevent such prior notification, in which case notification shall be made as soon after the action as practicable. Furthermore, all arrests made pursuant to paragraph A. above shall be processed and coded pursuant to directions of the Clerk of the Court, in such

manner as to ensure that any revenues or surcharges generated as a result of said arrests shall be directed to the jurisdiction in which the arrest was made.

D. Special Provisions for Concurrent Jurisdiction:

1. Joint enforcement of all laws in an area to be hereinafter designated as the Joint Community Marine Protection Area (JMPA). The JMPA shall consist of the unincorporated waterways surrounded by, in general: Sunny Isles; Surfside; Bay Harbor Islands; North Miami and the Intracoastal Waterway; Miami Shores; Miami Beach; and, an east-west line in the Atlantic Ocean parallel to the southerly line of Broward County, Florida.

E. General Requirements:

1. Officers shall not utilize unmarked vehicles to make traffic stops or to engage in vehicle pursuits.
2. Concurrent law enforcement jurisdiction pursuant to this Agreement does include preplanned operations, undercover investigations, stings, or sweeps.
3. Officers shall not conduct routine patrol activities outside of their jurisdiction.
4. Reports of any action taken pursuant to this Agreement shall be faxed to the agency head of the agency within whose jurisdiction the action was taken, as soon as possible after the action.
5. Any conflicts regarding jurisdiction will be resolved by allowing the agency within whose jurisdiction the action took place to take custody of any arrestees and/or crime scenes.
6. All concurrent jurisdiction stationary surveillance activities shall require notification of the agency within whose jurisdiction the surveillance takes

place. The notification shall include the general location of the surveillance, and a description of the vehicles involved. Mobile surveillance shall not require notification unless concurrent jurisdiction enforcement activities take place.

SECTION VII. EFFECTIVE DATE AND TERM OF AGREEMENT

This Mutual Aid Agreement shall become effective on the date of execution by all parties and, unless terminated or cancelled on an earlier date, will expire on January 1, 2025. This Mutual Aid Agreement may be renewed in writing by the Agency Head and their respective Chief Executive Officials, in the case of Miami-Dade County, the Police Director and County Mayor or the Mayor's designee are authorized to extend this Agreement. This Agreement may be formally renewed for a maximum of three (3) additional successive ten (10) year terms. This Agreement may not be amended or modified except in writing signed and duly executed by the parties. Any modifications or amendments to this Agreement require County Commission approval via the County's legislative process.

SECTION VIII. CANCELLATION

This Agreement may be cancelled by either party upon providing thirty (30) days written notice to the other participating law enforcement agency. Cancellation will be at the discretion of the Agency Heads and their respective Chief Executive Officials, in the case of Miami-Dade County, the Police Director and County Mayor or the Mayor's designee are authorized to cancel this Agreement.

AGREED TO AND ACKNOWLEDGED this 24 day of March, 2015,

MIAMI-DADE COUNTY

for Carlos A. Gimenez, Mayor

J.D. Patterson, Director
Miami-Dade Police Department

ATTEST:

COUNTY COMMISSIONERS MIAMI-DADE COUNTY FLORIDA

Harvey Ruvin, County Clerk
Miami-Dade County, Florida

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

for

R. A. Cuevas, Jr., County Attorney
Miami-Dade County, Florida

AGREED TO AND ACKNOWLEDGED this 24 day of June, 2015,

NORTH BAY VILLAGE

Frank Rollason, Village Manager — Date: 6/24/15

Brian Collins, Acting Chief — Date: 6/18/2015
North Bay Village Police Department

ATTEST:

Yvonne Hamilton, Village Clerk
North Bay Village, Florida

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

Robert L. Switkes, Village Attorney
North Bay Village, Florida