STORMWATER MASTER PLAN

UPDATE



Venice, FL
City on the Gulf

Kimley»Horn
Expect More. Experience Better.

MARCH 2025

Prepared For:



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Project: City of Venice Stormwater Master Plan Update

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1.0 Introduction

Kimley-Horn was contracted by the City of Venice in May of 2024 to provide services to update the City's Stormwater Master Plan. The City's current Stormwater Master Plan was written in 1994 and has been updated operationally over the past 30 years. This formal update of the City's Stormwater Master Plan will evaluate current conditions in the City, environmental changes, and updates to regulatory requirements for stormwater design. As a coastal community, flooding and surface water management is vital. The updated Stormwater Master Plan will serve as a guide for future capital projects, operations, maintenance, and budget needs.

2.0 Background Reports and Studies

2.1 Stormwater Documents

The City has multiple documents addressing stormwater initiatives. These documents were reviewed to gain insight on what projects the City has completed, proposed, or desired in the past, to summarize previous proposals and work done within the City, and to determine where there may be gaps in information. Eight (8) documents provided by the city were reviewed for projects, initiatives, and best management practices (BMPs). The documents identified recommendations for improving the City's stormwater management system. The complete Data Collection and Gap Analysis Report can be found in **Appendix A**. Included in the Data Collection and Gap Analysis Report is a comprehensive list of identified projects, including the project name, source document, estimated cost, construction status, and start/end dates where applicable.

Stormwater Management Plan (1994)

The 1994 Stormwater Management Plan was commissioned when the City of Venice established the Stormwater Utility. The plan assessed existing conditions and previous studies, with the goal of planning for future growth, flooding events, and meeting EPA / NPDES requirements. Vulnerability to flooding was identified in the Bayshore Estates, East Gate, Bird Bay, and Venezia Park areas based on 1992 FEMA loss claims. Three sub-basins (Castile Street, Tampa Avenue, Live Oak Street) were also evaluated. Recommendations included designs capable of withstanding a 25-year, 24-hour storm event. Structural improvements were recommended for the City's industrial area, with alternatives modifying the system's design and increasing pervious area. The Venice Beach Restoration Project (Appendix I of the 1994 Plan) identified eleven (11)

significant outfalls, with recommendations to remove or reroute eight via pipes and swales. The most critical outfalls still requiring improvements are detailed in the City Capital Improvements Project and the 2021 City of Venice Comprehensive Plan. Non-structural recommendations and ongoing BMPs include, but are not limited to, street sweeping, litter control, spill prevention, inspection programs, and water quality monitoring. The combined annual cost for these BMPs in 1998 was estimated at $1,372,100.

Road Transfer Agreement (2014)

The Road Transfer Agreement is a contract between Sarasota County and the City of Venice where several roads were transferred over a four-year period from 2014-2019. In total there was approximately 9.5 miles of right of way that the City acquired. The agreement outlines the transfer of jurisdiction, control, ownership, and maintenance responsibilities, including stormwater management, as well as performance conditions.

Venice Beach Stormwater Outfall Conceptual Plan Report (2019)

Currently, a majority of stormwater runoff from the City of Venice is discharged into the Gulf of Mexico, Roberts Bay, and the Intracoastal Waterway. The City strives to implement Best Management Practices (BMPs) to reduce pollutant loads due to stormwater runoff from the Island of Venice. The 2019 study estimated pollutant loads from 28 stormwater outfalls and monitored pollutant loads from 16 stormwater outfalls over six months, identifying twelve (12) alternatives to improve water quality. Six (6) alternatives were recommended for construction. The selected alternatives recommended construction of four dry retention ponds, one wet detention pond, and the installation of three EcoVault nutrient separation boxes at key intersections.

Final Rate Study Report (2020)

The 2020 Final Rate Study Report presents a sustainable financial plan for the City of Venice's Stormwater Utility. The report found that adjustments to the stormwater fee structure would be required to fund the City's level of service goals. Recommendations include strategies to boost stormwater fee revenue to meet cost requirements. The Rate Study established the City's annual certification program. Neighborhoods with privately owned Stormwater Management Systems are responsible for the maintenance of the system. When a private system is maintained, inspected and certified annually through the City's annual certification program, a discount to a stormwater fee is applied to each

property in the neighborhood services by the stormwater management system. In addition to the projects previously mentioned, the Rate Study Report lists four (4) additional projects.

City of Venice Resilience Plan (2021)

The City of Venice Resilience Plan outlines strategies to enhance resilience against coastal flooding. Four study areas were identified as vulnerable to flooding (Curry Creek, Tarpon Center Drive, Hatchett Creek, and the Airport). An Adaption Strategies Matrix evaluates these areas and recommends improvements to stormwater infrastructure and water utilities, including flood gates, barriers, and utility adjustments. Additional recommendations include enhancing elevation data, establishing acceptable flood risk baselines, continuation of ongoing stormwater studies, and integrating sea level rise into future planning. The report does not propose specific stormwater improvement projects but provides general recommendations for areas prone to inundation.

It should be noted that Sea Level Rise projections in the Resilience Plan are based on the 2013 Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report (AR5) and the 2018 U.S. Global Change Research Program (USGCRP) Fourth National Climate Assessment Report (NCA4) which was the best available data at the time the report was published. Sea Level Rise Projections are reassessed on regular basis. Future Capital Improvement Projects should utilize current Sea Level Rise projections.

NPDES MS4 Annual Report (2022)

The 2022 NPDES MS4 Annual Report lists existing infrastructure, including detention systems, pollution control boxes, pump stations, outfalls, weirs, pipes, and canals. Future system expansion is detailed in the City of Venice Stormwater Needs Analysis, which identifies four (4) flood protection projects and five (5) water quality projects to be constructed. Eight (8) of these projects are part of the City Capital Improvements Program and the 2017-2027 City of Venice Conceptual Plan. Also included is the “Outfall 18 Upgrade” water quality project with a projected cost of $200,000 between FY 2022-2027. “Tarpon Center Drive Improvements,” is a resiliency project with a projected cost of $1,125,000. Since the document was published, project funding has increased to $3,000,000.

City of Venice Capital Improvements Program (2025)

The 2024-25 City of Venice Capital Improvements Program (CIP) includes eleven (11) projects scheduled for construction between 2025 and 2030. These projects upgrade the stormwater system and focus on major outfall locations such as Deertown Gully, Roberts Bay, and the Intracoastal Waterway, all of which ultimately discharge to the Gulf of Mexico. The proposed improvements intend to address flood prone areas during storm events, provide treatment for stormwater runoff, and periodic dredging to remove sediments.

City of Venice Comprehensive Plan

The City of Venice Comprehensive Plan outlines criteria and standards for sustainability, including the Capital Improvement Schedule for FY 2023-2027 and FY 2024-2028. Major projects include stormwater improvements, potable water/sanitary sewer systems, parks, and transportation upgrades.

2.2 Additional Documents

Flamingo Ditch Study (on-going as of January 2025)

The Flamingo Ditch Study is ongoing and focuses solely on areas adjacent to Flamingo Ditch. Outfall 5, also referred to as Flamingo Ditch, in current conditions can experience flooding during minor and major storm events and flood adjacent neighborhoods and roadways. The Flamingo Ditch Study aims to analyze and address these concerns affiliated with the Flamingo Ditch Outfall.

Seaboard Master Plan (on-going as of January 2025)

The Seaboard Master Plan intention is to identify impressions/themes to support the 1926 General Plan written by John Nolen for the ongoing development of the City. Today's Seaboard Area is an important part of the legacy of John Nolen's plan for Venice as well as the history of urban planning and design in Florida and the United States. The master plan proposes redevelopment while also maintaining the existing industrial businesses and operations. It outlines efforts for investment in pedestrian and cyclist infrastructure, new public spaces and improvements to existing public spaces and connectivity. With these redevelopment recommendations, it is important to note that most of the Seaboard Area is existing impervious area.

Under the recent Southwest Florida Water Management District rule update (section 8.3.5), redevelopment sites that are greater than an acre must meet the nutrient load reduction criteria. Due to the Statewide Stormwater Rule (effective date December 28, 2025), a regional stormwater approach is recommended to meet the water quality requirements for redevelopment in the Seaboard Area. The City owns ten (10) parcels in the Seaboard Area (PIDs 0407150002, 0408010091, 0407160007, 0408010108, 0408010014, 0408080064, 0408080077, 0408090044, 0408090035, 0429010013 and 0429010004).

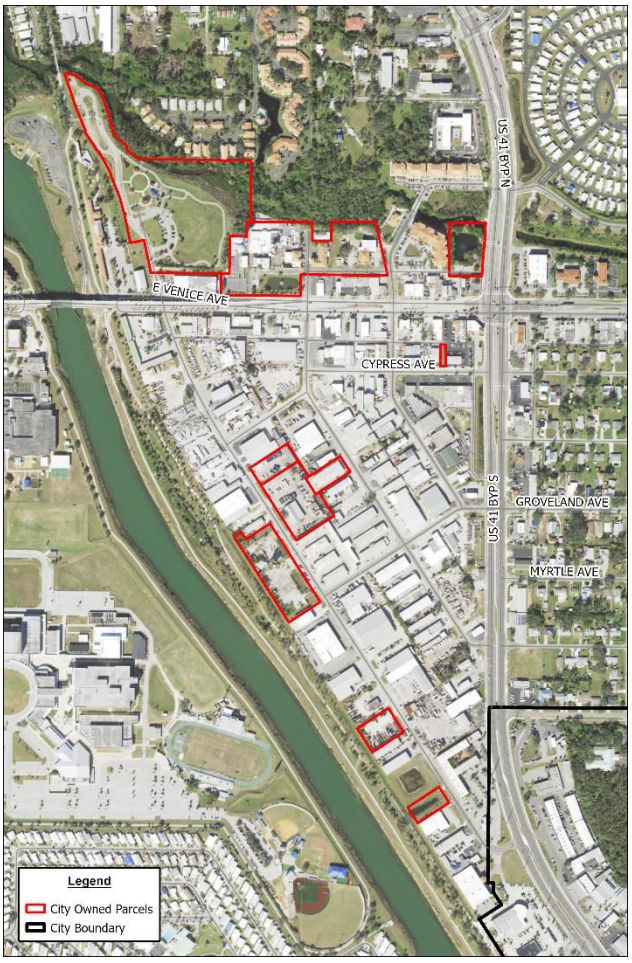

Figure 1: Seaboard Area

To provide the required water quality improvements for the Seaboard Area, the City may investigate development of a regional stormwater management system on a combination of these properties to provide a water quality credit bank for the Seaboard Area. It should be noted that the water quality credits in the regional system could only be used for redevelopment within the Seaboard Area and grant funding may not be available for the construction of the regional system.

3.0 Water Quality Recommendations

Water quality has been a known issue for the City of Venice. A variety of efforts have been made to limit phosphorus and nitrogen loads released into the Gulf of Mexico and the Intracoastal Waterway (ICWW). The City of Venice Reverse Osmosis Water Treatment Plant Permit effective as of March 2021 includes nutrient limitations for Total Nitrogen (TN) and Total Phosphorus (TP). The City has been able to meet the permit limitations for TP and are now focusing on the TN standards. Quarterly reports

summarize actions taken to reduce nutrient loads directly from the water treatment plant and indirectly from reclaimed water irrigation and stormwater that discharge to the Intracoastal Waterway. While a master plan is being developed for the water treatment plant water quality improvements, it is also important to address the nutrient loading concerns deriving from stormwater runoff. Nutrient loading reductions achieved by the redevelopment of the RO plant and the Seaboard Master Plan area may be considered as part of the reduction in TN in addition to the nutrient reductions associated with the ten (10) Capital Improvement Projects identified in this Stormwater Master Plan Update.

There are various approaches to be utilized within the City of Venice to improve the water quality of the Gulf and the Intracoastal Waterway. All projects proposed in the Stormwater Master Plan Update contain an element to improve water quality. The projects proposed include variable approaches to improve water quality, including the construction of a nutrient separation box, dry retention, and underground detention.

Mangroves



Figure 2: Mangroves

Mangroves provide shoreline stabilization, protection from wave action, natural habitat for juvenile fish and other marine species, and nutrient absorption for nitrates and phosphates and biological filtration. Areas with potential for additions of mangroves were investigated as part of this study. The City of Venice is nearly fully developed and areas where mangroves could be established along the Gulf of Mexico and Roberts Bay are primarily private property or contain seawalls. Expanding education relating to the benefits of mangroves for both soil stabilization and environmental benefits may encourage residents to implement more mangrove plantings. No public land has been identified for mangrove plantings at this time.

In coordination with the West Coast Inland Navigational District (WCIND), the City may consider planting mangroves along the Intracoastal Waterway at a minimal cost for multiple benefits. Establishing mangroves along the Intracoastal Waterway could

improve the view and the boater experience, enhance the experience of residents using the Venetian Water Way Park, provide opportunities for education about the value and function of mangroves, provide nutrient removal, shoreline stabilization from boating wakes, and enhance habitat for juvenile fish and other marine species.

Nutrient Separation Boxes

Water quality improvements by Nutrient Separation Boxes are achieved by capturing and removing larger particles and debris from runoff water to reduce contamination in downstream water bodies.

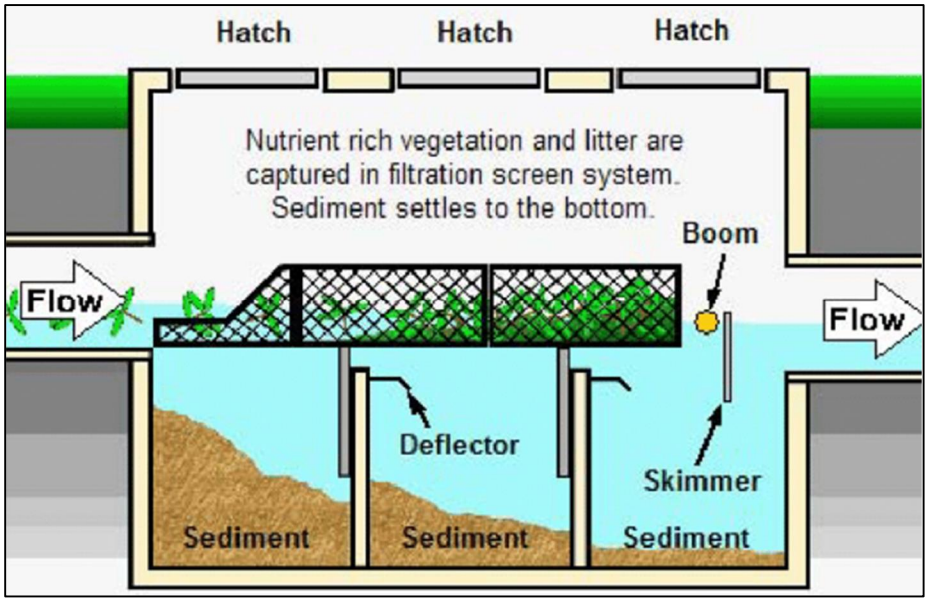

Figure 3: Nutrient Separation Box

Second-generation nutrient separation boxes incorporate a variety of sensors (i.e. turbidity and nutrient sensors), valve and flow controls, self-cleaning mechanisms, and alarms / notification controls to improve nutrient removal, enhance real-time monitoring, reducing maintenance demands and operational challenges often observed with first-generation nutrient separation boxes. Sensors can be selected based on the water quality intent and the needs of the community. Second-generation nutrient separation boxes are recommended in most proposed projects included in this report.

The Florida Department of Environmental Protection Statewide Best Management Practice Efficiencies was used to determine removal efficiencies for nitrogen and phosphorous. Refer to **Appendix C** for more information.

Dry Retention

Dry Retention are grassed areas that store runoff above the water table. Dry retention reduces the nutrient load to receiving waters by holding back surface water runoff and allowing the water to naturally percolate through the soil. Dry Retention can be achieved in the form of bioswales, shallow depressional areas, or permeable pavers.



Figure 4: Dry Retention

Underground Detention

Underground Detention provides storage for runoff using designed chambers. Preliminary treatment estimates for this analysis were based on ADS SC-310 Chambers. Please refer to **Appendix C** for details regarding the chamber type used in this analysis.

Minimize Beach Outfalls

Elimination of Beach Outfalls is significant for water quality, as discharging to beaches impacts salinity and various water quality indicators. Discharging to the intracoastal allows more residence time to improve water quality before ultimately reaching the gulf. All beach outfalls were investigated to limit discharges to the Gulf of Mexico.

Flamingo Ditch (Outfall 5) and Deertown Gully (Outfall 8) are two major beach outfalls impacting water quality in the gulf. Preliminary modeling was performed to determine if it would be possible to reroute these outfalls to the Intracoastal Waterway.

Deertown Gully is a low-lying area and is the receiving canal for surface water drainage from large areas of the Island of Venice. To reduce flow or eliminate the Deertown Gully beach outfall, a separate study is recommended as it would require additional data collection and an in-depth analysis. Deertown Gully is within Sarasota County right-of-way and also on private property requiring additional coordination to evaluate, design and construct improvements.

4.0 Preliminary Engineering Evaluations

This report suggests ten (10) improvement alternatives to improve existing flood and water quality conditions. These improvement alternatives were modeled and analyzed to quantify water quality improvements, flood reduction achievements, and benefit to cost ratios.

4.1 Methodology

The City of Venice is primarily in four (4) major watershed basins: Dona Bay, Roberts Bay, the Island of Venice, and the Lower Myakka. Only a small portion of the most northeastern part of the city limits is in the Lower Myakka watershed, which mostly consists of recently developed areas.

Therefore, Dona Bay, Roberts Bay, and the Island of Venice watersheds were the primary focus for this analysis. An existing conditions model (ECM) was provided by the City for each of these watersheds using Interconnected Channel and Pond Routing, Version 4 (ICPR4). These models simulate existing hydrologic conditions in each minor basin, represented by user-input hydrologic and hydraulic parameters, such as nodes, links, and basins. The models simulate the 100-year 24-hour, 50-year 24-hour, 25-year 24-hour, 10-year 24-hour, 5-year 24-hour, and 2-year 24-hour design storm events.

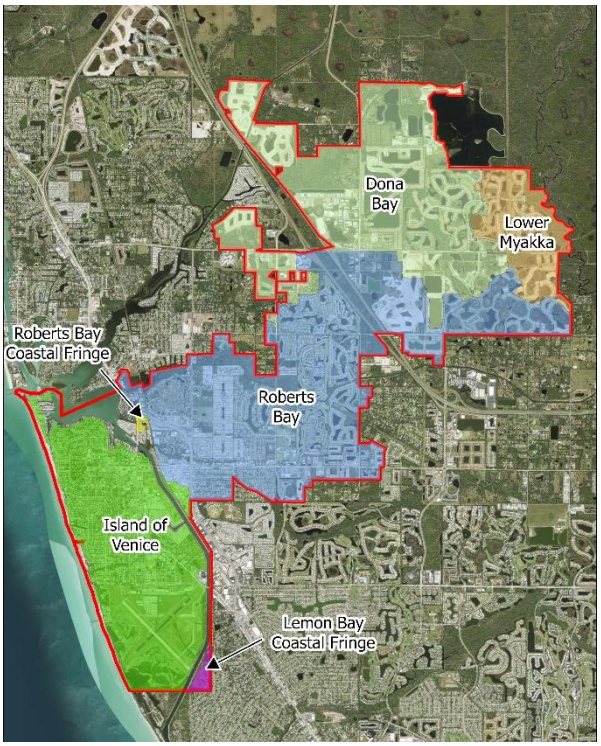

Figure 5: Watershed Map

The City of Venice does not currently have an adopted Floodplain Level of Service (FPLOS), so Sarasota County standards were used as a guide for the FPLOS analysis. **Table 1** summarizes Sarasota County's level of service goals for buildings, roads, and sites.

Table 1: Sarasota County Stormwater Quantity Level of Service

Florida Reference (Buildings, Roads, and Sites)	Level of Service (Flood Interval in Years)
Buildings	
Emergency Shelters and Essential Services	>100
Habitable Building	100
Employment/Service Centers	100
Road Access*	
Evacuation	>100
Arterials	100
Collectors	25
Neighborhood	10

*Roads shall be passable during flooding. Roadway flooding <6" depth at the outside edge of pavement is considered passable.

To begin analysis of the City of Venice, existing conditions floodplains were developed for the Dona Bay, Island of Venice, and Roberts Bay watersheds using the ICPR4 models. From these floodplain layers, flood depth rasters were developed by calculating the difference between the basin node flood stages and the USGS 2018 LiDAR. Many areas in the Dona Bay watershed display significant flooding in the flood depth rasters, however this is due to recent developments not being accurately represented in the USGS 2018 LiDAR.

Flood depth rasters were then used to identify roadway segments that experience flooding. Any flooding depth values less than 3 inches are negligible impacts. To capture the roads with greater than 6 inches of flooding at the edge of pavement, a selection criterion of average flooding greater than 3 inches was used, since the average values are lowered by including the total cross section. Using the same methodology, a selection criterion of average flooding greater than 9 inches was used to identify areas experiencing greater than 1 foot of flooding at the edge of pavement. A roadway at risk of flooding is one that had an average flooding depth exceeding 9” in a given design storm.

Of the roadways maintained by the City of Venice, there is a total of eleven (11) roadway segments with flooding areas of concern during the 10-year 24-hour design; twenty (20) roadway segments with flooding areas of concern during the 25-year 24-hour design storm; and twenty-eight (28) roadway segments with flooding areas of concern during the 100-year 24-hour design storm in the Island of Venice and Roberts Bay Watersheds. There are no roads at risk of flooding based on the flood depth analysis in the Dona Bay Watershed.

With this information, critical roadways were identified. Refer to **Appendix B** for the complete Floodplain Level of Service Report. Preliminary modeling efforts were used to identify fifteen potential improvement alternatives. Right of way public lands, constructability, and feasibility were all taken into consideration when developing these improvement alternatives. Existing CIPs were taken into consideration for project recommendations to avoid repetitive suggestions. Repetitive loss areas identified by the City were also taken into consideration.

4.1.1 Project Refinement

After initial data collection and analysis, 15 areas were investigated further for improvement opportunities. These areas were identified by analysis of flooding

modeling and data, repetitive loss areas, and existing capital improvement projects. Modeling iterations were performed in these areas to investigate potential flood reduction methods, utilizing existing stormwater infrastructure and public right of way. These 15 alternatives were then presented to the City for input. The City then selected ten (10) of the 15 proposed alternatives to move forward with a more in-depth investigation. There are three types of projects proposed, outfall modification, roadway improvements, and water quality projects. As these projects were the original concepts, many adjustments were made throughout due to additional data and information made available. Modeling efforts of these proposed projects included each project modeled individually for all design storms, level-pool floodplains for each, node maximum results tables, and water quality analysis using BMP Trains software. With water quality being a pressing issue in the City of Venice, especially in terms of total nitrogen loads, it is essential each project have a component to improve water quality conditions. Refer to **Appendix C** for the complete Water Quality Analysis Report.

4.1.2 Future Conditions Analysis

While proposed projects show improvements in current conditions, it is important to account for projected Sea Level Rise (SLR) and analyze these projects under future conditions. In the future conditions analysis, the projects are included in a single ICPR4 model to evaluate the cumulative benefits of the projects; illustrate that there are no conflicts or negative interactions between projects; and provide an assessment of the cumulative impacts for both existing and future conditions. During the future conditions analysis some projects were refined further to maximize benefits achievable in present day and the future.

It is imperative to account for future SLR in the state of Florida as tailwater conditions may have significant effects on modeling efforts and flooding impacts. Changes in tailwater conditions due to SLR can also impact the future effectiveness of the current proposed projects. Florida's Sea Level Impact Project (SLIP) rule 62S-7.012 states that projects should account for the SLR expected over 50 years using the intermediate-high predictions.

In 2021, a resilience plan was developed for the City of Venice. This report analyzes the vulnerabilities to coastal flooding and developed strategies for a more resilient community. The 2021 Resilience Plan analyzed sea level rise conditions of 1.5 feet and 3.0 feet. Since this plan was developed, sea level rise projections have been revised to

better reflect future conditions. The newest publication of sea level rise projections is from 2022 and is utilized for the resilience analysis included in this report.

The tailwater conditions used for the current conditions is 1.42 feet (NAVD88). For the Long-Range Resilience Analysis, the 2080 intermediate-high projected SLR was used to determine future tailwater conditions. Using the National Oceanic and Atmospheric Administration (NOAA) gauge data and the U.S. Army Corps of Engineers (USACE) SLIP calculator, a tailwater condition of 4.08 feet (NAVD88) was calculated by interpolating gauge data retrieved from the St. Petersburg (8726520) and the Fort Myers (8725520) gauges. Please refer to **Appendix D** for the Long-Range Resilience Analysis Technical Memorandum.

4.2 Recommendations

Of the fifteen areas initially evaluated, ten were chosen to further investigate for proposed improvement alternatives. Throughout the modeling processes many of these projects were modified from the original concepts with additional information becoming available and recommendations of changes from the City. These projects are only recommendations and will need further analysis during design phases.

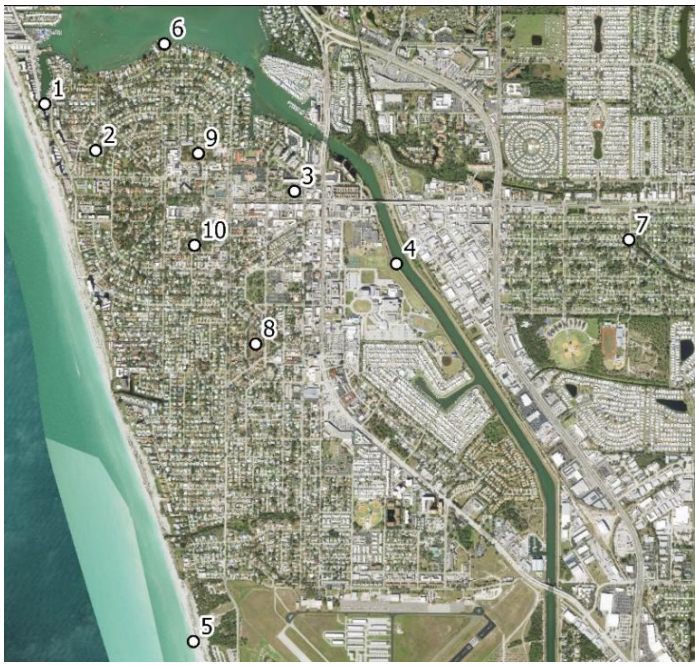

Figure 6: Project Location Map

1. Outfall 12 Improvements
2. Matanzas Street Ditch Flood Control
3. Downtown Flood Impact and Water Quality Improvements
4. Outfall 22 Improvements
5. Outfall 10 Improvements
6. Outfall 15 Improvements
7. Home Park Road Roadway Improvements
8. Venezia Park Water Quality Project
9. Prentiss French Park Water Quality Project
10. John Nolen Park Water Quality Project

4.2.1 Outfall Modification Projects

Outfall 12 Improvements

The Esplanade N runs north and south along the west edge of the Island of Venice and experiences concentrated areas of standing water on the road. The roadway drains north to Outfall 12. The Tarpon Center Drive project is currently in construction and is to improve the existing seawall conditions. Within this project, the existing outfall pipe and the pipe directly upstream will be replaced. With new information recently gathered about this project, the Outfall 12 Improvements project direction has changed since previous reports. It is now recommended that a secondary outfall adjacent to Outfall 12 be constructed by connecting to the existing manhole upstream of Outfall 12 located at the intersection of Tarpon Center Drive and The Esplanade N. A secondary outfall consisting of 30" pipes will alleviate flooding conditions and reflects similar results to that of upsizing Outfall 12, the original proposed approach. It is recommended to construct this secondary outfall north of the existing Outfall 12, either through the Freedom Boat Club property or slightly more north between two residential properties. Stormwater infrastructure data provided by the City shows an existing 18" pipe between two residential properties that outfalls to the intracoastal. However, no other connections to this pipe are known. Additional survey and data collection is needed to determine the best placement of the secondary outfall for Outfall 12. Information regarding the Outfall 12 Improvements in the appendices does not reflect this new approach. This project provides improvements to flooding experienced in the area by reducing the duration of flooding, and the addition of a nutrient separation box directly upstream of the outfall provides water quality benefits. It should be noted that the nutrient separation box design should account for flows from the

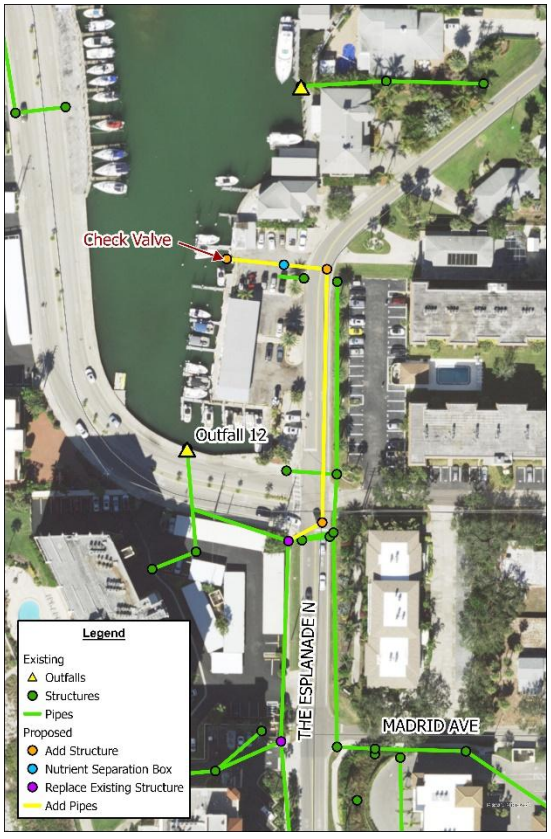

Figure 7: Outfall 12 Improvements

Matanzas Street Ditch Flood Control Project in addition to the Outfall 12 Improvements project area.

Matanzas Street Ditch Flood Control

Matanzas Street has an adjacent ditch to the east of Cadiz Road that currently floods the surrounding area during major storm events. This area drains to the main trunkline along Madrid Avenue, which outfalls to the ditch along Osprey Street and discharges to the northwest through Outfall 14. It is recommended to add a secondary discharge point for this area. Construction of pipes along Apalachicola Road and Ormond Street will provide a connection to the trunkline that drains to Outfall 12.



Figure 8: Matanzas Street Ditch Flood Control

To improve conveyance capacity of the runoff from the Esplanade N and Matanzas Street Ditch, it is recommended to upsize the five (5) most downstream pipes of the Outfall 12 trunkline before the manhole where flow will split between Outfall 12 and the secondary outfall. It is also recommended to upsize the three pipes conveying runoff from the Matanzas Street Ditch. In current conditions, these are 12” x 18” elliptical pipes and are restricting the discharge from the shallow ditch. The Outfall 12 Improvement

project must be constructed prior to or in conjunction with this project. Without this additional outfall, upsizing the drainage pipes for the ditch will only provide very minor benefits. Connecting this drainage area to Outfall 12 will increase the area of treatment of the nutrient separation box recommended in the Outfall 12 Improvements Project.

Downtown Flood Impact and Water Quality Improvements

In existing conditions, the downtown area adjacent to Nokomis Avenue S and W Venice Avenue experience significant flooding. The main trunkline along Nokomis Avenue drains north towards Outfall 18, which is an existing 48" pipe. This trunkline equalizes with the trunkline along N Tamiami Trail, which drains to Outfall 19. Outfall 19 is owned and maintained by the Florida Department of Transportation (FDOT). It is important to be cognizant of this connection during design phase to prevent adverse impacts on FDOT corridors. Outfall 18 should be upsized to accommodate the flows that drain to it. The upsizing of this outfall pipe provides a reduction in the duration of flooding adjacent roads currently experience.

As a part of this project, additional flood reduction and water quality improvements can be attained by constructing underground storage and pervious pavers at an existing parking lot on the northwest corner of W Venice Avenue and Nokomis Avenue N. Water quality benefits are estimated using 200 storage chambers to provide attenuation and treatment. Pervious pavers for the areas not draining to chambers can provide additional water quality benefits through percolation.

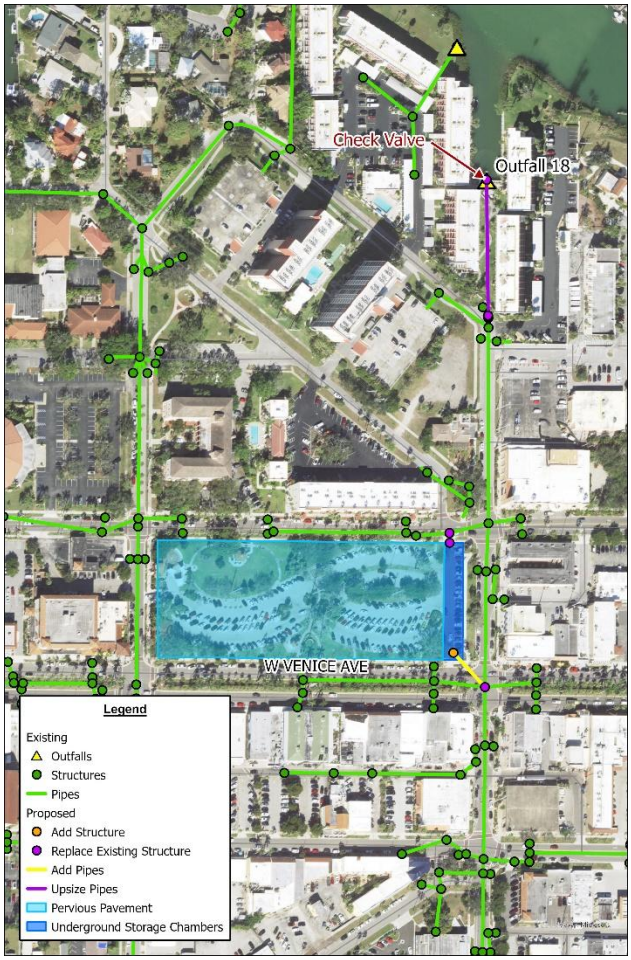

Figure 9: Downtown Flood Impact & Water Quality Improvements

Outfall 22 Improvements

Outfall 22 is located on the east side of the island and drains to the Intracoastal Waterway. It is directly east of Milan Avenue E and is located on the School Board of Sarasota County property. In current conditions, this outfall is a 30” pipe that discharges runoff from the adjacent areas including the schools and areas south of the downtown area. The addition of a nutrient separation box at this outfall will provide improvements to the water quality that discharges from this outfall. The project includes the addition of an inlet and a pipe on Calle Lascelles to address a known flooding condition. This project’s main objective is to improve water quality and has a negligible impact on peak flood stages and therefore is not modeled.



Figure 10: Outfall 22 Improvements

Outfall 10 Improvements

Outfall 10 is located at the southwest corner of the Island of Venice and discharges to the Gulf of Mexico. It is the discharge point for the wetlands surrounding the area, which are southwest of the intersection of Harbor Drive S and Beach Road. It is recommended to improve the quality of the wetlands by removing invasive plant species and regrading the wetlands to optimize function. To remove a beach outfall, the project will redirect the discharge of these wetlands to drain south towards Red Lake through a closed conveyance system. The removal of area discharging to the coastline provides significant water quality benefits. It is also recommended to construct bioswales along the east side of Harbor Drive S to provide attenuation and treatment. In addition, the installation of a nutrient separation box at a location upstream of Red Lake is recommended to provide more water quality benefits.



Figure 11: Outfall 10 Improvements

Outfall 15 Improvements

The residential area adjacent to the Parkdale Drive corridor, platted as part of Bayshore Estates Unit 2, has consistently experienced major flooding issues. This area is located east of Park Boulevard N. This section of the Bayshore Estates community drains to the trunkline along Park Boulevard N, which is also known to flood. The area drains to Outfall 15, a 24" x 38" pipe. The main trunkline between the community and Outfall 15 consists of 24" diameter pipes with no increase in pipe size as the contributing drainage area increases. There is a pipe in this trunkline that is an 18" HDPE located at the Baycrest Drive and Park Boulevard N intersection. This roadway was part of the Road Transfer Agreement, with the City acquiring ownership in 2015. In the Road Transfer Agreement, the county noted that the stormwater pipe on Park Boulevard would be replaced during resurfacing. It is believed that rather than replacing this pipe, an 18" HDPE preformed liner was placed inside the existing 24" RCP, causing this decrease in pipe size along the existing 24" trunkline. It is recommended to increase the size of the trunkline and increase the size of the outfall pipe or connect to existing Outfall 16. Due to Outfall 15 being located between two residential properties, the horizontal space between the houses may not accommodate a larger pipe. Tying into the adjacent Outfall 16 can provide the additional conveyance necessary to alleviate flooding in the Bayshore Estates community. However, there is limited information available regarding Outfall 16, so it is recommended that these alternatives be investigated further during design phase before finalizing the preferred approach. Modeling efforts used for this project applied the assumption of the horizontal space between properties being able to accommodate the upsizing of Outfall 15.



Figure 12: Outfall 15 Improvements

4.2.2 Roadway Flooding Improvements

Home Park Road Roadway Improvement

Home Park Road is located south of E Venice Avenue and east of Country Club Way. This neighborhood is directly adjacent to Hatchett Creek. Hatchett Creek runs northwest towards this neighborhood, then turns north and crosses under E Venice Avenue. Where Hatchett Creek takes this turn, the neighborhood experiences the most significant flooding impacts. The creek overtops the top of bank and spills onto the roadway. It is recommended to elevate the roadway along Home Park Road and Cypress Avenue in this area adjacent to the creek and reinforce the existing berm to increase resiliency while providing equivalent conveyance capacity in the creek. Road elevations will be raised from six inches to a foot, dependent on existing road conditions and existing finished floor elevations of the homes adjacent to the project area. The drainage infrastructure in this area discharges to Hatchett Creek through an outfall located at the intersection of Home Park Road and Cypress Avenue. To provide water quality improvements in this area, it is recommended to add a nutrient separation box at this outfall to provide nutrient separation and water quality benefits.

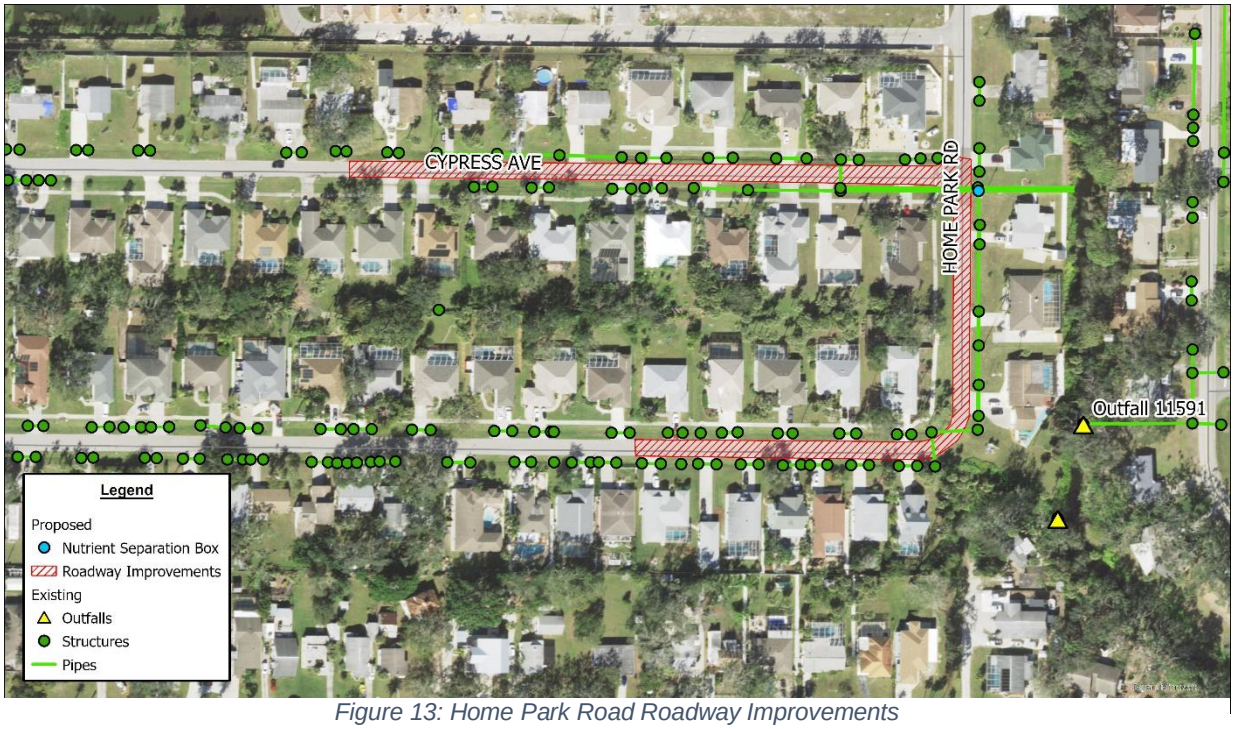

Figure 13: Home Park Road Roadway Improvements

The Home Park Road Roadway Improvement Project requires additional survey, data collection, and further roadway analysis to determine the extents of the road and berm improvements. This project would reduce the depth of flooding by elevating the road, providing health, safety, and welfare benefits to the adjacent community by reinforcing the structural stability of the roadway and improving the reliability of personal and emergency vehicle access to homes during storm events. The displacement volume from elevating the roadway is de minimis relative to the flow and volume in the Hatchett Creek Waterway. This project will minimize impacts surrounding communities currently experience. No modeling efforts were involved for this project as additional data collection will need to be performed to accurately portray this project in the Roberts Bay ICPR4 Model.

4.2.3 Water Quality Projects

Venezia Park Water Quality Project

Venezia Park is a City-owned parcel located east of Harbor Drive S and south of Salerno Street. The project will expand the use of the open space within the park for storage and water quality improvements while maintaining passive recreational use of the park. Part of the trunkline along Harbor Drive S that drains to Outfall 2 can be redirected to Venezia Park where treatment volume can be retained and allowed to naturally percolate, and higher runoff volumes will bypass and drain to the Intracoastal Waterway. Extension of the Pump 3 discharge pipe to Venezia Park would redirect flow into the created storage area. The proposed retention area will discharge to the Outfall 22 basin by connection to the main trunkline with proposed 24" pipes. With these improvements, part of the runoff volume draining to Flamingo Ditch can be redirected through Venezia Park and to the Intracoastal Waterway.

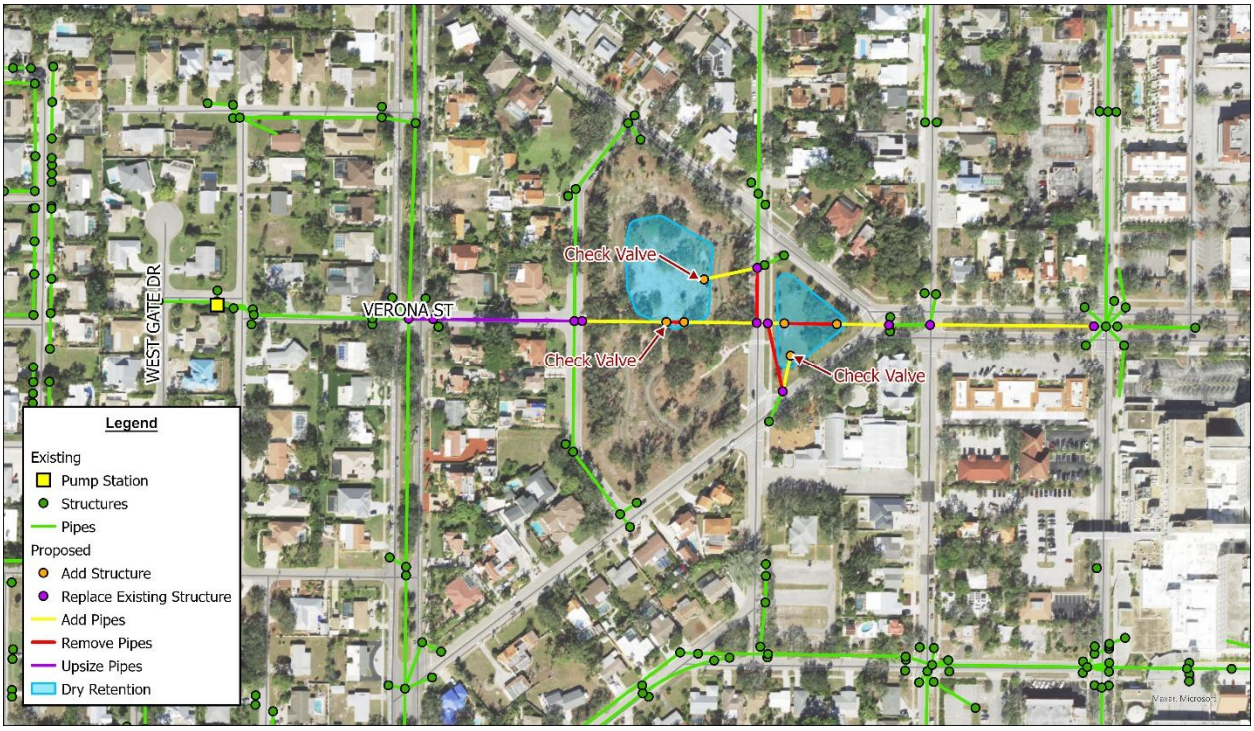

Figure 14: Venezia Park Water Quality Project

Prentiss French Park Water Quality Project

Prentiss French Park is a City-owned parcel located directly south of the residential area adjacent to the Parkdale Drive corridor that is heavily flooded during major storm events. The project will expand the use of the open space within the park for storage and water quality improvements while maintaining passive recreational use of the park. Part of the trunkline along Narvaezi Street that drains to Outfall 15 can be redirected to Prentiss French Park where runoff volume can be retained and allowed to naturally percolate, and higher runoff volumes can be directed to the Intracoastal Waterway. This park could provide flood storage and relief to the surrounding communities. The proposed retention area will connect and discharge to the Outfall 17 trunkline.

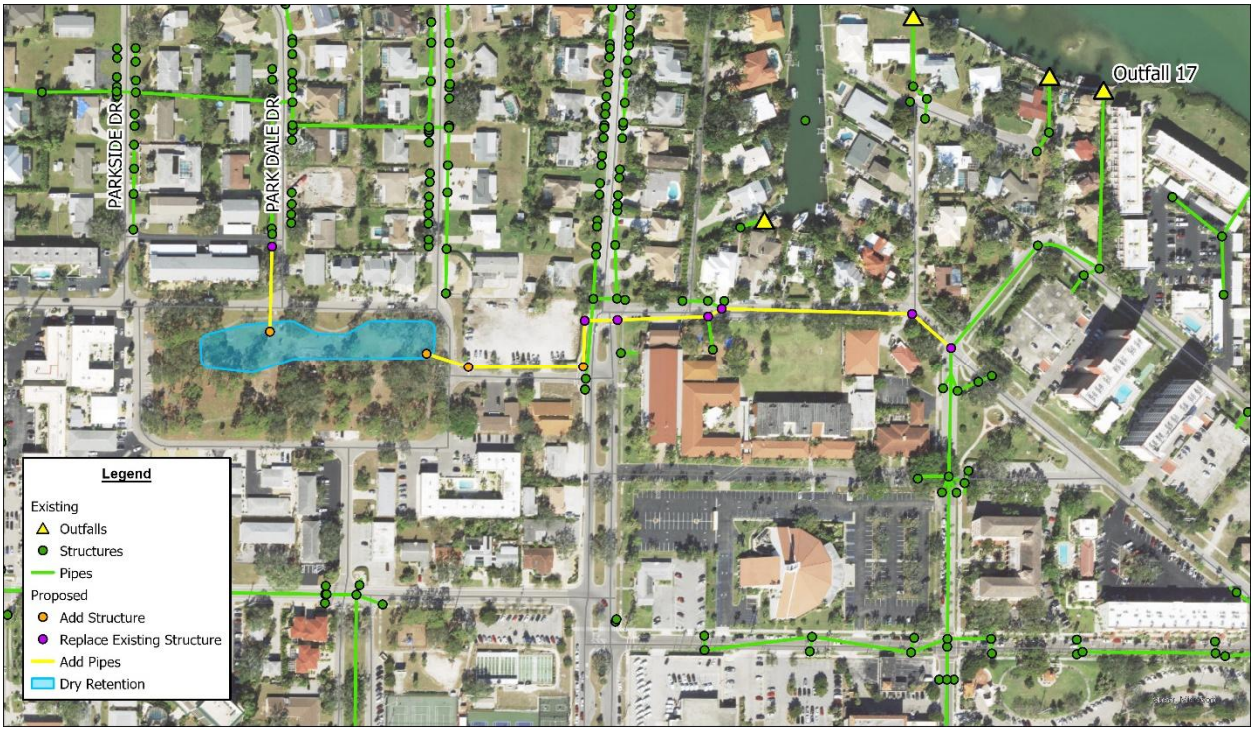

Figure 15: Prentiss French Park Water Quality Project

John Nolen Park Water Quality Project

John Nolen Park is located north of Menendez Street and east of Park Blvd S. The project will expand the use of the open space within the park for storage and natural infiltration reducing nutrient load and the volume of runoff. Water quality will be improved while maintaining passive recreational use of the park. The John Nolen Park outfall will connect to the trunkline that drains to Outfall 17 to alleviate some of the volume of runoff currently discharging through Outfall 15. This project's primary objective is water quality; therefore, the drainage layout and modeling efforts will need to be refined during the design and permitting phase and should address peak stage increases.



Figure 16: John Nolen Park Water Quality Project

Please refer to **Table 2** for a summary table of water quality approaches utilized by each proposed improvement alternative. For results of preliminary water quality nutrient reductions please refer to **Appendix C**. It is important to note that proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.

Table 2: Water Quality Applications

Project	Water Quality Approach				
	Nutrient Separation Box	Dry Retention	Beach Outfall Removal	Underground Detention	Pervious Pavers
Outfall 12 Improvements	X				
Matanzas St Ditch Flood Control	*				
Downtown Flood Impact & Water Quality Improvements				X	O
Outfall 22 Improvements	X				
Outfall 10 Improvements	X	X	S		
Outfall 15 Improvements	X				
Home Park Rd Roadway Improvement	X				
Prentiss French Park Water Quality Project	O	X			
Venezia Park Water Quality Project	O	X			
John Nolen Park Water Quality Project	O	X			

Key:

X=Primary Water Quality Improvement O=Optional Water Quality Improvement

S=Supplemental Water Quality Improvement

*Matanzas Street Ditch Flood Control Project will benefit from the nutrient separation box constructed with the Outfall 12 Improvements.

4.2.4 Supplemental Study Areas

Supplemental study areas described below were projects originally presented in the 15 proposed projects. These projects were not selected by the City to be a component in this report for various reasons specific to each project.

Flamingo Ditch Rerouting

Flamingo Ditch is a large conveyance that open drains to the Gulf, causing water quality concerns during major storm events. The project concept included adding a berm and regrading the most downstream point of the ditch, as well as providing a connection at the most upstream point of the trunkline to the drainage system that drains to existing Outfall 18, with the intent of sending the flow east toward the Intracoastal Waterway. The existing trunkline is a series of 4’ x 8’ box culverts that drain toward Flamingo Ditch. This project was not selected for further consideration due to the Flamingo Ditch Study that is currently in progress. The study is intended to analyze and investigate potential solutions to address the concerns affiliated with Flamingo Ditch.

Outfall 14 Bypass

Outfall 14 is located on the northwest corner of the island of Venice and discharges north to the intracoastal at the intersection of Osprey Street and Laguna Drive. In current conditions, the surrounding neighborhoods drain towards the ditch located along Osprey Street that ultimately drains to Outfall 14. These neighborhoods experience significant amounts of flooding during major storm events. Specifically, the homes between Barcelona Avenue and Madrid Avenue. The pipes along Madrid Avenue in existing conditions are 54” and 60” in diameter. Outfall 14 is currently a 66” diameter pipe. The project concept involved constructing an additional outfall to run parallel with the existing Outfall 14 to allow for a higher discharge capacity and an alternative route for stormwater. The lot adjacent to Outfall 14 is currently undeveloped, and a drainage easement would need to be acquired. The drainage easement and necessary property acquisition presents obstacles affiliated with this project; therefore, this project was not selected for further consideration by the City.

Additional 18 Outfall

In existing conditions, the downtown area adjacent to Nokomis Avenue S and W Venice Avenue experience significant flooding and is identified by the City as a repetitive loss area. The main trunkline along Nokomis Avenue drains north towards Outfall 18, which

is an existing 48” pipe. Alternative modeling showed that if an additional outfall is added to the Outfall 18 trunkline, stages significantly decrease in this area by increasing the conveyance capacity with a secondary discharge point. This project was not selected for further consideration due to limited available space in this highly developed area.

Karen Drive Flood Impact Improvements

Karen Drive is located on the mainland, north of E Venice Avenue and west of Pinebrook Road. Karen Drive and its intersecting roadways, such as Elaine Street, are subject to flooding during major storm events. A portion of this neighborhood drains to a ditch that flows east and connects to the ditches running north along the east side of Pinebrook Road. North on Pinebrook Road there are a series of ditches and connecting pipes that ultimately outfall to Curry Creek. Some of these pipes connecting the ditches along Pinebrook Road have limited capacity. Upsizing of the two most downstream pipes could improve conveyance. This project was not selected for further consideration due to the conflicting maintenance entities. While Karen Drive is maintained by the City, Pinebrook Road is maintained by the County of Sarasota.

West Blalock Park Water Quality Project

West Blalock Park is a City owned parcel that is located between Milan Avenue W and Turin Street. The project concept would expand the use of the open space within the park for storage and water quality improvements. Part of the trunkline along Armada Road S would be redirected (from Outfall 2) to West Blalock Park where treatment volume can be retained and allowed to naturally percolate, and higher volumes can be directed to the Intracoastal Waterway. This project was not selected for further consideration due to the park being owned and operated by the Arboretum, leaving very limited space for dry retention areas.

4.3 Benefit Cost Analysis

The improvement alternatives proposed for the City of Venice Stormwater Master Plan Update all contain a component to improve water quality including the construction of nutrient separation boxes, dry retention areas, and underground detention. Many of these projects also achieve reductions in flooding duration and depth. A benefit cost analysis was performed using the Southwest Florida Water Management District (SWFWMD) Benefit Cost Analysis Tool to quantify the expected benefits and costs of the proposed projects.

Projects are conceptual. Additional refinement to the projects during the design and permitting phase should address peak stage increases and maximize the benefit cost ratio. Some projects are solely water quality improvements with no adverse impact to existing peak flood stages. For projects with lower benefit cost ratios, the cost per pound of TN removed should be considered. **Table 3** contains a summary of the benefit cost analysis per project.

Table 3: Benefit Cost Analysis Summary

Project	Opinion of Probable Cost	Benefit Cost Ratio	Per lb TN Removed
Outfall 12 Improvements	$835,181	0.90	$12,189
Matanzas St Ditch Flood Control	$1,473,246	5.07	$36,224
Downtown Flood Impact & Water Quality Improvements	$4,295,688	0.37	$9,217
Outfall 22 Improvements	$680,739	N/A	$207
Outfall 10 Improvements	$4,424,431	0.16	$4,225
Outfall 15 Improvements	$1,074,857	23.66	$5,271
Home Park Rd Roadway Improvement	$842,024	6.12	$1,574
Venezia Park Water Quality Project	$3,137,517	6.81	$2,357
Prentiss French Park Water Quality Project	$1,533,957	5.74	$2,537
John Nolen Park Water Quality Project	$1,315,916	5.76	$2,770

The benefit cost analysis results, opinion of probable costs, and proposed drainage designs for the respective projects can be found in the Benefit Cost Analysis Report in **Appendix E**.

5.0 Operation and Maintenance of Stormwater Facilities

The City has a structured approach to operating and maintaining the municipal storm sewer system for management of stormwater runoff to minimize pollution, reduce flooding, and protect water resources.

NPDES Permit

The National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit is a crucial component of the Clean Water Act, designed to regulate and control stormwater discharges into the municipal storm sewer systems. The NPDES MS4 permit is issued by the Florida Department of Environmental Protection (FDEP). The City submits an annual report on the activities completed by the City to meet the requirements of the permit. The City of Venice is a co-permittee with Sarasota County under Permit Number FLS000004. Key elements of the NPDES MS4 permit include:

Public Education and Outreach

The City provides information and engages the community about the impacts of stormwater pollution and encourage practices that protect water quality. Public education materials are distributed through contracted services, City E-news, seminars and workshops in additional to stormwater information readily available on the City's website. Seminars and materials to educate residents on illicit discharges are also distributed.

Public Participation and Involvement

The City actively engages community members in the development and implementation of stormwater management programs, fostering a sense of ownership and responsibility towards water quality protection.

Illicit Discharge Detection and Elimination (IDDE)

The primary goal of the IDDE component is to identify, eliminate, and prevent illicit discharges to storm sewer systems.

Construction Site Runoff Control

This measure aims to reduce pollution from construction activities that disturb the soil and generate runoff. To support the NPDES permit requirements, City staff are trained to inspect construction sites and identify erosion control deficiencies.

Post-Construction Site Stormwater Runoff Control

This measure focuses on managing stormwater runoff from construction sites after the construction activities are completed, ensuring that long-term stormwater controls are in place to minimize the impact on water quality.

Pollution Prevention and Good Housekeeping

These practices aim to minimize the discharge of pollutants from municipal operations and maintenance activities into stormwater systems. The City has a Fertilizer Ordinance and educates residents through public outreach.

5.1 Stormwater Best Management Practices

Stormwater Best Management Practices (BMPs) are methods, techniques, or structural controls used to manage the quantity and improve the quality of stormwater runoff. They aim to reduce the negative impacts of urbanization on the water cycle and help protect water quality. Here are some commonly used BMPs:

Structural BMPs

Detention Basins: Temporary storage facilities that release stormwater at a controlled rate to prevent flooding.

Retention Basins: Permanent pools of water that detain stormwater and allow sediment to settle.

Green Roofs: Vegetative layers grown on rooftops to absorb rainfall, reduce runoff, and provide insulation.

Permeable Pavements: Materials that allow water to pass through and infiltrate the ground, reducing runoff.

Bioswales: Landscape elements designed to remove silt and pollution from surface runoff water.

Rain Gardens: Shallow, vegetated basins that collect and absorb stormwater runoff from impervious surfaces.

Stormwater Wetlands: Engineered wetlands designed to treat stormwater runoff and improve water quality.

Non-Structural BMPs

Public Education Programs: Educating the community about the importance of watershed protection and how they can help.

Good Housekeeping Practices: Proper maintenance and operations to minimize pollutant runoff.

Policy and Regulation: Implementing policies and regulations to manage land development and reduce impervious surfaces.

Erosion and Sediment Control: Techniques to prevent soil erosion and manage sediment during construction activities.

Maintenance of Stormwater Systems: Regular inspection and maintenance of public stormwater infrastructure by the City to ensure proper functioning.

Privately Maintained Stormwater Management Systems: Neighborhoods with privately owned Stormwater Management Systems are responsible for the maintenance of the system. When a private system is maintained, inspected and certified annually through the City's annual certification program, a discount to a stormwater fee is applied to each property in the neighborhood services by the stormwater management system.

Natural BMPs

Vegetated Buffers: Strips of vegetation along waterways that help filter pollutants from runoff.

Riparian Zones: Areas adjacent to water bodies that are managed or restored to improve water quality and aquatic habitats.

Conservation of Open Spaces: Preserving natural landscapes and open spaces to manage stormwater naturally.

These BMPs can be used individually or in combination to effectively manage stormwater. Each project may require a customized approach to address site-specific conditions and challenges.

5.2 Operations & Maintenance Practices

Preventive maintenance includes functional procedures required to maintain the permitted operation and safe conditions of the stormwater management system. Typical routine procedures include maintaining landscaping, nutrient management practices, mowing, debris removal, and regular inspections of the stormwater management system.

Corrective maintenance includes the functional maintenance procedures needed to correct a problem or malfunction in a stormwater management system. Corrective maintenance must be performed as needed and in emergency situations.

Inspection Schedule

Inspection Schedule	**Stormwater System**
New systems inspected annually Existing Systems inspected once every three (3) years	Wet Retention Dry Detention Grass Treatment Swales
Quarterly	Pollution Control Boxes Pump Stations Large Ditches
Annually	Major Outfalls
10% of system each year	Weirs of Other Control Structures Pipes / Culverts Inlets / Catch Basins / Grates Residential Ditches / Conveyance Swales

Stormwater Management System

The following information pertains to the NPDES MS4 permit inventory maintained by the City of Venice.

Dry Retention Systems – City staff inspects and maintains five (5) Dry Retention facilities. An additional six (6) facilities are maintained by Sarasota County in accordance with the 2011 Interlocal Agreement.

Grass Treatment Swales – City staff inspects and maintains grass treatment swales.

Wet Detention Systems - City staff inspects and maintains three (3) Wet Retention facilities. An additional one (1) facility is maintained by Sarasota County in accordance with the 2011 Interlocal Agreement.

Pollution Control Boxes – City staff inspects and maintains three (3) Pollution Control Boxes.

Pump Stations - City staff inspects and maintains three (3) Pump Stations.

Major Outfalls – Major Outfalls require annual inspection and are defined as pipes greater than a 30" equivalent pipe or an outfall with a contributing area greater than 50 acres**.** City staff inspects and maintains sixteen (16) Major Outfalls.

Weirs or other Control Structures – City staff inspects and maintains eight (8) weir and control structures.

Pipes / Culverts – City staff inspects and maintains 25 miles of closed conveyance.

Inlets / Catch Basins / Grates – City staff inspects and maintains 1,233 stormwater system structures.

Ditches / Conveyance Swales – City staff inspects and maintains four (4) large ditches (Bellagio, Ridgewood Avenue, Wellfield Ditch, and Heritage Health Care) and two (2) residential ditches (Robert Street and Cooper Street), One (1) large ditch (Osprey Ditch) is contracted for maintenance.

City staff noted that the Heritage Health Care Ditch is adjacent to two storage tanks located approximately 80 feet east of Albee Farm Road and access can be difficult. Extending the box culvert to the east beyond the two storage tanks may facilitate maintenance and provide protection for the storage tanks.

Maintenance / NPDES MS4 Permit Activities

Activity	Description
Mowing	Scheduled based on seasonal need, mowing is included in the maintenance of the stormwater management system.
Litter Control	Daily activities for litter control are performed by City Parks and Solid Waste staff. Special events lead by Keep Sarasota County Beautiful and in coordination with Adopt-A-Road activities provide additional litter control / collection.
Spill Prevention	City Fire Department is trained and responds to hazardous and non-hazardous material spills.
Street Sweeping	The City has and maintains a sweeper truck with a dedicated operator. The street sweeper is active 4 days per week for 50 weeks per year with over 5,000 miles of roadway swept annually.
Catch Basin Maintenance	Structure inspections are conducted by City staff with a CCTV truck and a VacTruck to inspect, clean and determine the condition of stormwater system structures.
Canal Maintenance	Slope mowing is conducted as needed with quarterly inspections for large ditches.
Illicit Discharges	Activities for City staff include illicit discharge training. Staff conducts proactive inspections. Training is conducted at all pre-construction meetings to educate contractors.
Inspections	Inspections are conducted by City staff via visual inspections during slope and stormwater facility mowing and with a CCTV truck.
Lateral Replacement	Lateral inspections are conducted by City staff with a CCTV truck and a Vac Truck to inspect, clean and determine the condition of laterals.
Water Quality Monitoring	As a co-permittee with Sarasota County, the county wide water quality monitoring plan implementation, including monitoring sites in the city, is applicable for the City.

Water Quality Monitoring reports, analysis, and site locations for the county wide monitoring plans are published online:

1. Ambient Water Quality of Bays:

   http://www.sarasota.wateratlas.usf.edu/bay-conditions/

   http://www.sarasota.wateratlas.usf.edu/water-quality-trends/

2. Ambient Water Quality of Watersheds:

   http://www.sarasota.wateratlas.usf.edu/creek-conditions/

   http://www.sarasota.wateratlas.usf.edu/water-quality-trends/

3. Biological Monitoring – Oysters:

   http://www.sarasota.wateratlas.usf.edu/oysters/

4. Biological Monitoring – Seagrass:

   http://www.sarasota.wateratlas.usf.edu/seagrass/#sarasota-seagrass

5. Biological Monitoring – Scallops:

   http://dev.sarasota.wateratlas.usf.edu/scallops#monitoring-program

6. Rainfall:

   http://www.sarasota.wateratlas.usf.edu/rainfall/

   http://www.sarasota.wateratlas.usf.edu/datamapper/

5.3 Asset and Work Order Management

In late 2024, the City migrated operations and maintenance activities to CityWorks®, a comprehensive, Global Information System (GIS) centric software platform that provides a structured database to manage public assets and services more effectively. CityWorks® can support City staff in the management permitting, licensing, and public infrastructure. The asset management component includes life cycle analysis and work order management for inspections, preventative maintenance, corrective maintenance and emergency / severe weather preparation and recovery activities. The City will be able to develop a proactive work plan for maintenance, emergency planning, and storm recovery operations.

6.0 Funding Options

A preliminary analysis of grant and third-party funding opportunities for each of the ten proposed improvement projects was completed. Please refer the **Appendix F** for a summary table of the grant funding opportunities as well as a master matrix for a description of each grant option per project.

Appendix A – Data Collection and GAP Analysis Technical Memorandum

AND GAP ANALYSIS

REPORT



Venice, FL
City on the Gulf

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Professional Engineer Certification

Data Collection and Gap Analysis Report

Project: City of Venice Stormwater Master Plan Update

I hereby certify that I am a registered professional engineer in the State of Florida practicing with Kimley-Horn and Associates Inc., and that I have prepared or approved the evaluation, findings, opinions, conclusions, or technical advice for this project.

_____

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1.0 Project Background

Kimley-Horn was contracted by the City of Venice in May of 2024 to provide services to update the City's Stormwater Master Plan. The City's current stormwater master plan was written in 1994 and has been updated operationally over the past 30 years. This formal update of the City's Stormwater Master Plan will evaluate the extensive growth of the area, constant environmental changes, and updates to regulatory requirements for stormwater design. As a coastal community, flooding and surface water management is vital. The updated Stormwater Master Plan will serve as a guide for future operations, maintenance, and budget needs.

In addition to the 1994 master plan, the City has provided multiple documents addressing stormwater initiatives. Documents reviewed for this report are listed and summarized in Section 4. Kimley-Horn reviewed these documents to gain insight on what projects the City has completed, proposed, or desired in the past, to summarize previous proposals and work done within the City, and to determine where there may be gaps in information.

After reviewing these documents, Kimley-Horn created an Excel dataset tracker, project location maps in GIS, and has summarized each available document, all of which are included in this report. In addition to the document review, Kimley-Horn also reviewed general stormwater-related data, such as existing drainage patterns, water body impairments, soils, and FEMA Food Hazard layers as a part of the gap analysis.

2.0 Existing Conditions

The City of Venice provides stormwater management services to the areas within the City limits, which are shown in **A-1 Aerial Location Map** in **Appendix A**. Funds for management are generated through the Stormwater Management Utility that charges property owners a monthly fee for stormwater services. A separate Water Quality Fee was implemented to provided additional funding for large scale water quality projects that upgrade the existing stormwater system.

In the existing condition, localized flooding occurs across the city including in residential areas, on key roadways, and along coastal boundaries. There are several impaired water bodies that encompass the city limits, **see A-4 Impaired Waterbody Map** in **Appendix A**. These water bodies face water quality concerns that require additional analysis and treatment measures. In recent years, areas of high tourism such as Venice Beach have been closed due to water quality concerns. Both water quality and water quantity are

concerns for the City of Venice in the existing condition and will be evaluated both in this report and in the future update to the Stormwater Master Plan.

2.1 Topography

The City of Venice has a range of elevation across its jurisdiction. Generally, elevation ranges from 2 feet to 20 feet (NAVD88), with localized high spots due to man made infrastructure.

For a visual of the 2018 USGS Statewide LiDAR for the City of Venice in the NAVD88 datum please see **A-2 Topography Map** in **Appendix A.**

2.2 Existing Drainage Patterns

Within Venice city limits there are six (6) different major watersheds and 12 Water Body IDs (WBIDs). All watersheds are incorporated into existing Interconnected Channel and Pond Routing, Version 4 (ICPR4) models.

Sarasota County Maintained Models

- Lower Myakka
- Dona Bay
- Lemon Bay Coastal Fringe models
- Roberts Bay Coastal Fringe models

Cit of Venice Updated Models

- Roberts Bay
- Island of Venice

The majority of the city limits drain to Dona Bay, Roberts Bay, or directly to the Gulf of Mexico. Curry Creek, Blackburn Canal, Hatchett Creek, and Cow Pen Slough serve as the major conveyance ways for the city, carrying runoff to the west into tidal waters. The easternmost portion of the City of Venice limits drain towards the Myakka River, which continues southward towards Port Charlotte. For a visual of the watersheds crossing the Venice City limits, please see **A-3a Watershed Map** in **Appendix A**.

According to the Florida Department of Environmental Protection (FDEP), of the 12 WBIDs intersecting city limits, eight (8) of the WBIDs are listed as Waters Not Attaining Standards. The listed impairments for these WBIDs include dissolved oxygen, bacteria,

mercury (in fish tissue), and nutrients. For a visual of the WBID impairments and Waters Not Attaining Standards, please see **A-4 Impaired Water Bodies Map** in **Appendix A**.

2.3 Soils

According to the Natural Resources Conservation Service (NRCS), the dominant soils in the City are EauGallie-Myakka fine sand, Pomello fine sand, Holopaw fine sand, and Pineda fine sand, with other soil types in smaller quantities. These soils are assigned to hydrologic soil groups A, A/D, C/D, and B/D. Refer to **A-4 NRCS Soils Map** in **Appendix A** for a map of the City's soils.

2.4 Federal Emergency Management Agency (FEMA) Floodplain

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) numbers located within the City's boundaries are 12115C0243G, 12115C0244G, 12115C0245G, 12115C0263G, 12115C0327G, 12115C0329G, 12115C0331G, 12115C0332G, 12115C0333G, 12115C0337G, 12115C0341G, and 12115C0351G, effective as of 03/27/2024. The City of Venice contains several flood zones with varying Base Flood Elevations. Please see **Appendix D** for the FEMA FIRM panels.

3.0 Project Analysis and Investigation

To gain insight into the current state of the City's stormwater management system and make informed recommendations for future projects, eight (8) documents provided by the City were analyzed. Each document was reviewed for projects, initiatives, and best management practices (BMPs) which have been previously identified as necessary for improving the City's stormwater management system.

Appendix B provides a comprehensive list of identified projects, including the project name, source document, estimated cost, construction status, and start/end dates. Excluded from this list are projects not recommended from official City documents and those unrelated to the City's stormwater management system, such as utilities improvements and vehicle replacement programs.

Note that costs are listed exactly as they appear in their source document and have not been adjusted to account for inflation. Costs listed as "N/A" were either not listed or were associated with a non-structural BMP or study. Projects found in multiple documents were listed separately, with the associated costs listed in their respective source documentation.

The projects discussed in the eight (8) reviewed documents were also tracked geospatially in addition to the comprehensive list. In **Appendix C**, please find a series of GIS exhibits showing the visual locations of the projects being tracked. The projects are numbered between 1 and 97, matching the first column of the list of projects provided in **Appendix B**. Please note that not every project within the data tracker appears visually on the maps, as some projects are theoretical or idea-based rather than a construction project.

4.0 Document Analysis and Summaries

Each of the eight (8) documents reviewed are summarized below. Please note that all costs provided in the following sections are the costs presented in the original documents and have not been adjusted to current construction costs.

4.1 City Capital Improvements Program

The City of Venice Capital Improvements Program (CIP) includes eleven (11) projects scheduled for construction between 2025 and 2030. These projects upgrade the stormwater system and focus on major outfall locations such as Deertown Gully, Roberts Bay, and the Intracoastal Waterway, all of which ultimately discharge to the Gulf of Mexico. The proposed improvements intend to address standing water during storm events, provide treatment to stormwater runoff, and dredge periodically to remove sediments.

Project costs for the City Capital Improvements Program during FY 2025-2029 can be found in **Table 1**.

4.2 2017-2027 City of Venice Comprehensive Plan

The City of Venice Comprehensive Plan outlines criteria and standards for sustainability, including the Capital Improvement Schedule for FY 2023-2027 and FY 2024-2028). Major projects include stormwater improvements, potable water/sanitary sewer systems, parks, and transportation upgrades. See **Table 1** for information relating to the project costs associated with the Comprehensive Plan.

Table 1: *City Capital Improvements and Comprehensive Plan Project Costs*

Project Name	**FY 2023-2027 Cost (USD)**	**FY 2024-2028 Cost (USD)**	**FY 2025-2029 (Cost USD)**
Document	Comprehensive Plan	Comprehensive Plan	City Capital Improvements
Outfall 1 & 2 Water Quality System Expansion	400,000	250,000	-
Deertown Gully Water Quality Improvements	325,000	200,000	400,000
Tarpon Center Upgrades	1,250,000	100,000	-
Outfall 10 Water Quality & Wetland Restoration	125,000	-	-
Park Blvd. & Granada Ave. Water Quality Upgrades	200,000	150,000	350,000
Nolen Green Water Quality Improvements	55,000	30,000	-
Seaboard Area Intracoastal Waterway Outfalls	500,000	500,000	700,000
Osprey Ditch Water Quality & Stormwater Improvements	750,000	750,000	950,000
North Nokomis (Bella Costa) Outfall WQ Project	200,000	200,000	750,000
Hatchett Creek WQ Upgrades & Channel Restoration	300,000	300,000	250,000
Golf Dr. Stormwater Improvements	450,000	450,000	700,000
Curry Creek WQ Upgrades & Chennel Restoration	300,000	300,000	250,000
Church St. Flood Improvements & Water Quality	370,000	370,000	470,000
Parkside & Parkdale Dr. WQ & Stormwater Improvements	350,000	350,000	550,000
Airport Ave. Drainage & Water Quality Upgrades	350,000	200,000	-
Circle Dr. Stormwater Improvements & Water Quality	-	400,000	650,000
Total Estimated Cost of Projects	**5,925,000**	**4,550,000**	**6,020,000**

4.3 Venice Beach Stormwater Outfall Conceptual Plan Report

Currently, stormwater runoff from the City of Venice is discharged into the Gulf of Mexico, Roberts Bay, and the Intercoastal Waterway. The City aims to implement best management practices (BMPs) to reduce pollutant loads due to stormwater runoff from the Island of Venice. A 2019 preliminary study monitored pollutant loads from 28 stormwater outfalls over six months, identifying twelve (12) alternatives to improve water quality. Six (6) alternatives were recommended for construction (**Table 2**). The selected alternatives recommended construction of four dry retention ponds, one wet detention pond, and the installation of three EcoVault baffle boxes at key intersections. The combined cost of all projects is $4,887,931, with no specified completion date provided.

Table 2: *Recommended Alternatives – Stormwater Outfall Conceptual Plan Report*

Project Name	Cost (USD)
Venezia Park Dry Retention	359,658
Brohard Beach Dry Retention	404,180
Bella Costa Baffle Box	618,020
Osprey Ditch Baffle Box – 1+2	1,045,005
Airport Dry Retention	1,318,980
Deertown Gully Wet Pond	1,142,088
Total Estimated Cost of Projects	**4,887,931**

4.4 2021 City of Venice Resilience Plan

The City of Venice Resilience Plan outlines strategies to enhance resilience against coastal flooding. Four study areas were identified as vulnerable to flooding (Curry Creek, Tarpon Center Drive, Hatchett Creek, and the Airport). An Adaption Strategies Matrix evaluates these areas and recommends improvements to stormwater infrastructure and water utilities, including flood gates, barriers, and utility adjustments. Additional recommendations include enhancing elevation data, establishing acceptable flood risk baselines, continuation of ongoing stormwater studies, and integrating sea level rise into future planning. The report does not propose specific stormwater improvement projects but provides general recommendations for areas prone to inundation.

4.5 2020 Final Rate Study Report

This study presents a sustainable financial plan for the City of Venice's Stormwater Utility. The report found that adjustments to the stormwater fee structure would be required to fund the City's level of service goals. Recommendations include strategies to boost stormwater fee revenue to meet cost requirements. In addition to the projects previously mentioned, the Rate Study Report lists four (4) additional projects as seen in **Table 3**. The overlapping projects have not been listed, as they are a summary from the City Improvement Program document.

Table 3: *Recommended Alternatives – Stormwater Outfall Conceptual Plan Report*

Project Name	Cost (USD)
Live Oak St. Stormwater Improvements	618,649
Outfall 9	100,000
Airport Area ICW	400,000
Valencia Rd. Flood Improvements & Water Quality	850,000
Total Estimated Cost of Projects	**1,968,649**

4.6 Road Transfer Agreement

This contract between Sarasota County and the City of Venice transferred several roads over a four-year period from 2014-2019. It outlines the transfer of jurisdiction, control, ownership, and maintenance responsibilities, as well as performance conditions. It does not include any projects related to stormwater infrastructure.

4.7 2022 NPDES MS4 Annual Report

A summary table is provided detailing the City's current stormwater management system. It lists existing infrastructure, including detention systems, pollution control boxes, pump stations, outfalls, weirs, pipes, and canals. Future system expansion is detailed in the City of Venice Stormwater Needs Analysis, which identifies four flood protection projects and five water quality projects to be constructed. Eight of these projects are part of the City Capital Improvements Program and the 2017-2027 City of Venice Conceptual Plan. Also included is the "Outfall 18 Upgrade" water quality project, costing $200,000 between FY 2022-2027. "Tarpon Center Drive Improvements," a $1,125,000 resiliency project during the same period. Since the document was published, project funding has increased to $3,000,000.

4.8 1994 Stormwater Management Plan

The 1994 Stormwater Management Plan was commissioned when the City of Venice established the Stormwater Utility. The plan assessed existing conditions and previous studies, with the goal of planning for future growth, flooding events, and meeting EPA/NPDES requirements. Vulnerability to flooding was identified in the Bayshore Estates, East Gate, Bird Bay, and Venezia Park areas based on 1992 FEMA loss claims. Three sub-basins (Castile Street, Tampa Avenue, Live Oak Street) were also evaluated. Recommendations included designs capable of withstanding a 25-year, 24-hour storm event. Structural improvements were recommended for the City's industrial area, with alternatives modifying the system's design and increasing pervious area.

The Venice Beach Restoration Project (Appendix I of the 1994 Plan) identified eleven (11) significant outfalls, with recommendations to remove or reroute eight via pipes and swales. The most critical outfalls still requiring improvements are detailed in the City Capital Improvements Project (**Table 1**) and the 2021 City of Venice Comprehensive Plan (**Table 1**).

Non-structural recommendations and ongoing BMPs include, but are not limited to, street sweeping, litter control, spill prevention, inspection programs, and water quality monitoring. The combined annual cost for these BMPs in 1998 was estimated at $1,372,100.

4.9 Additional Documents

Other documents such as the 2024 LMS Project List and the City of Venice Facilities Plan list projects that have been mentioned in the City Improvement Program and the Comprehensive Plan. There were two projects that were not previously mentioned and that can be seen below in **Table 4** as well as in **Appendix B**. All other projects mentioned in these two documents were not replicated in **Appendix B**, as those projects are covered through the City Improvement Program and the Comprehensive Plan.

Table 4: *Additional Projects and associated costs.*

Project Name	Cost (USD)
Outfall #14	300,000
Deertown Gully Headwall Replacement	25,000

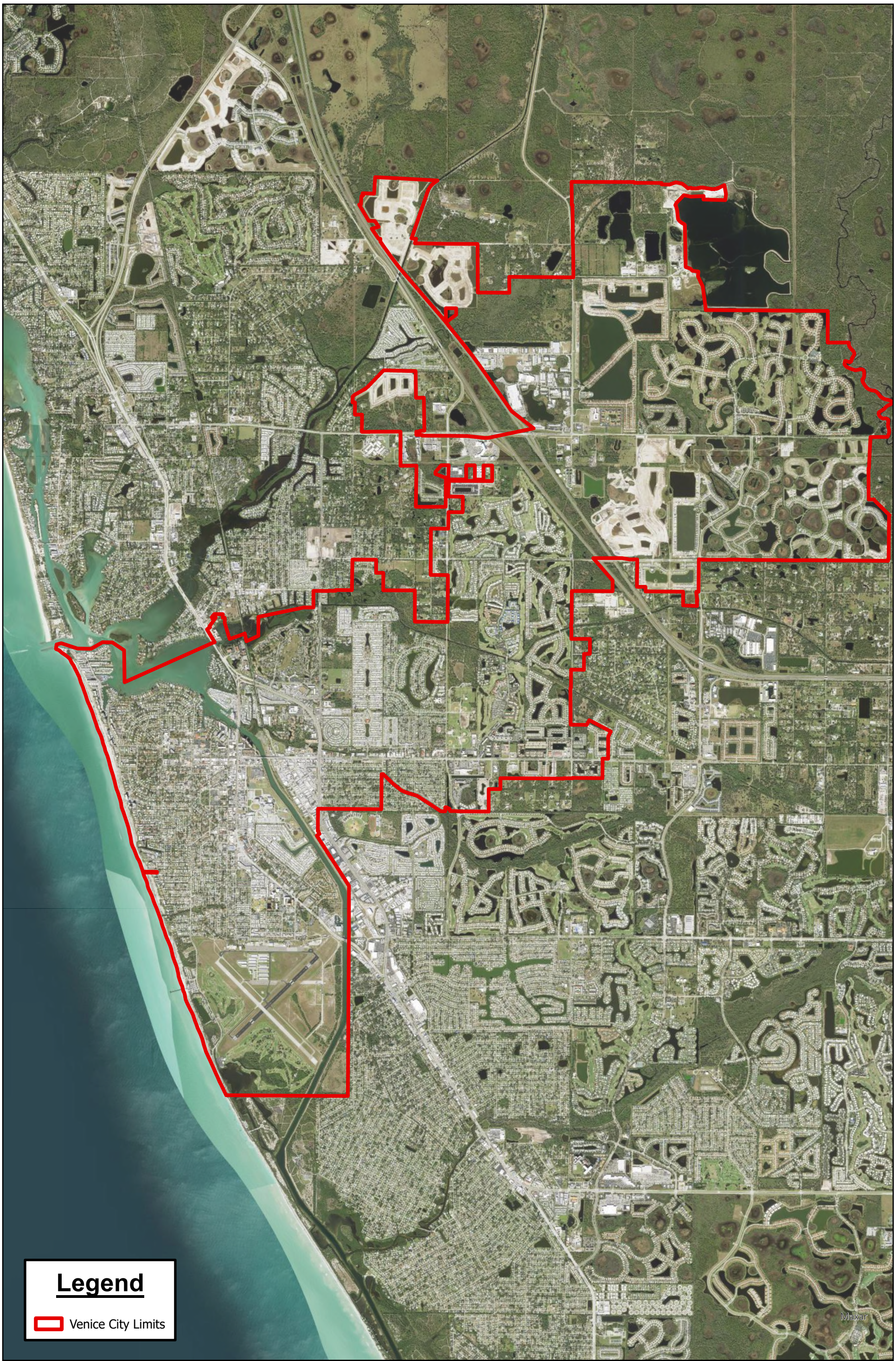
5.0 Conclusion

The gap analysis and document review provided Kimley-Horn insight into the City of Venice operations for the public stormwater management system. Identifying the projects that have been proposed in the past, as well as which ones have been completed, has provided valuable information in determining where the new projects in the updated stormwater master plan should be focused. This analysis also highlighted the importance of resident-identified flood-prone areas and analysis of City maintenance practices and issues in identifying cost-effective project locations. Data for the dates and locations where the City has had to close beaches down due to algal blooms or other water quality issues would be beneficial for the development of future water quality-based improvements.

While information collected in this report will be utilized moving forward, it is important to note that during the development of proposed projects, additional gaps in data pertaining to site specific conditions will be evaluated to develop constructable, cost-effective projects.

A-1 Aerial Location Map
A-2 Topography Map
A-3 Watershed Map
A-4 Impaired Waterbody Map
A-5 NRCS Soils Map
A-5L Legend for NRCS Soils Map

Appendix A – City of Venice Data



AERIAL LOCATION MAP

CITY OF VENICE

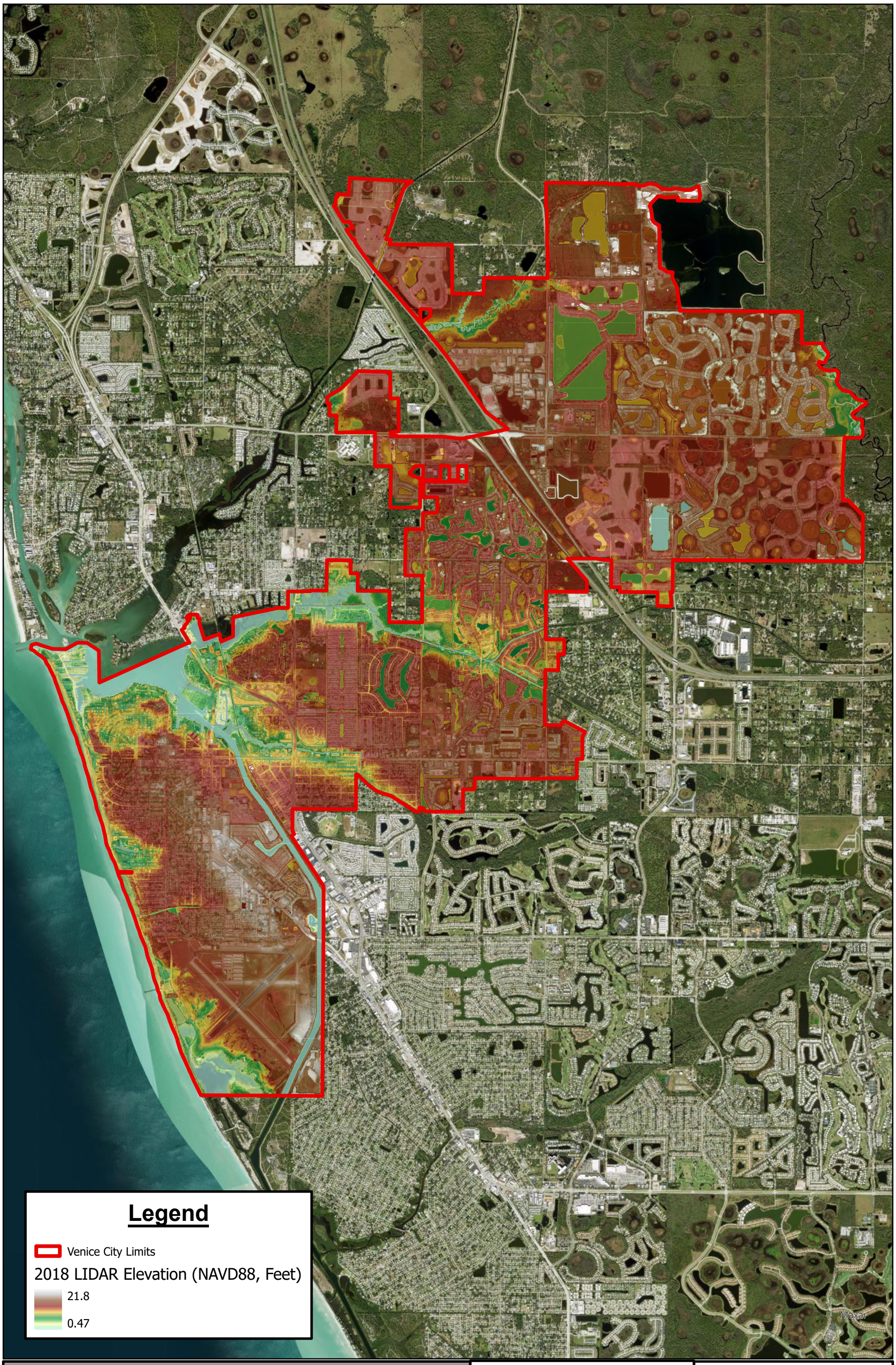
CITY OF VENICE STORMWATER MASTER PLAN AUGUST 2024

0 2,000 4,000 Feet

N

Kimley»Horn

A-1



TOPOGRAPHY MAP

CITY OF VENICE

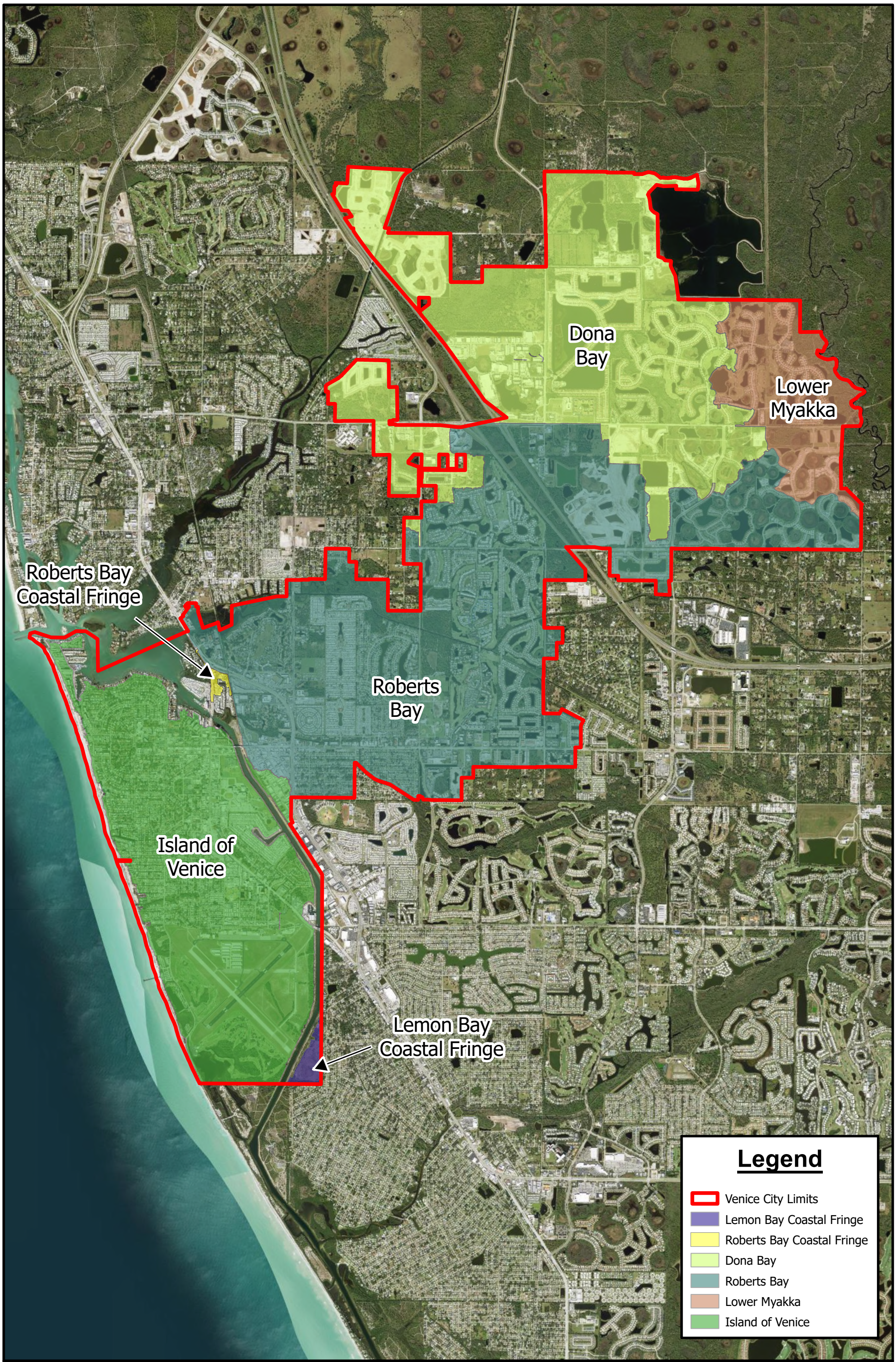
CITY OF VENICE STORMWATER MASTER PLAN AUGUST 2024

0 2,000 4,000 Feet

N

Kimley»Horn

A-2



WATERSHED MAP

CITY OF VENICE

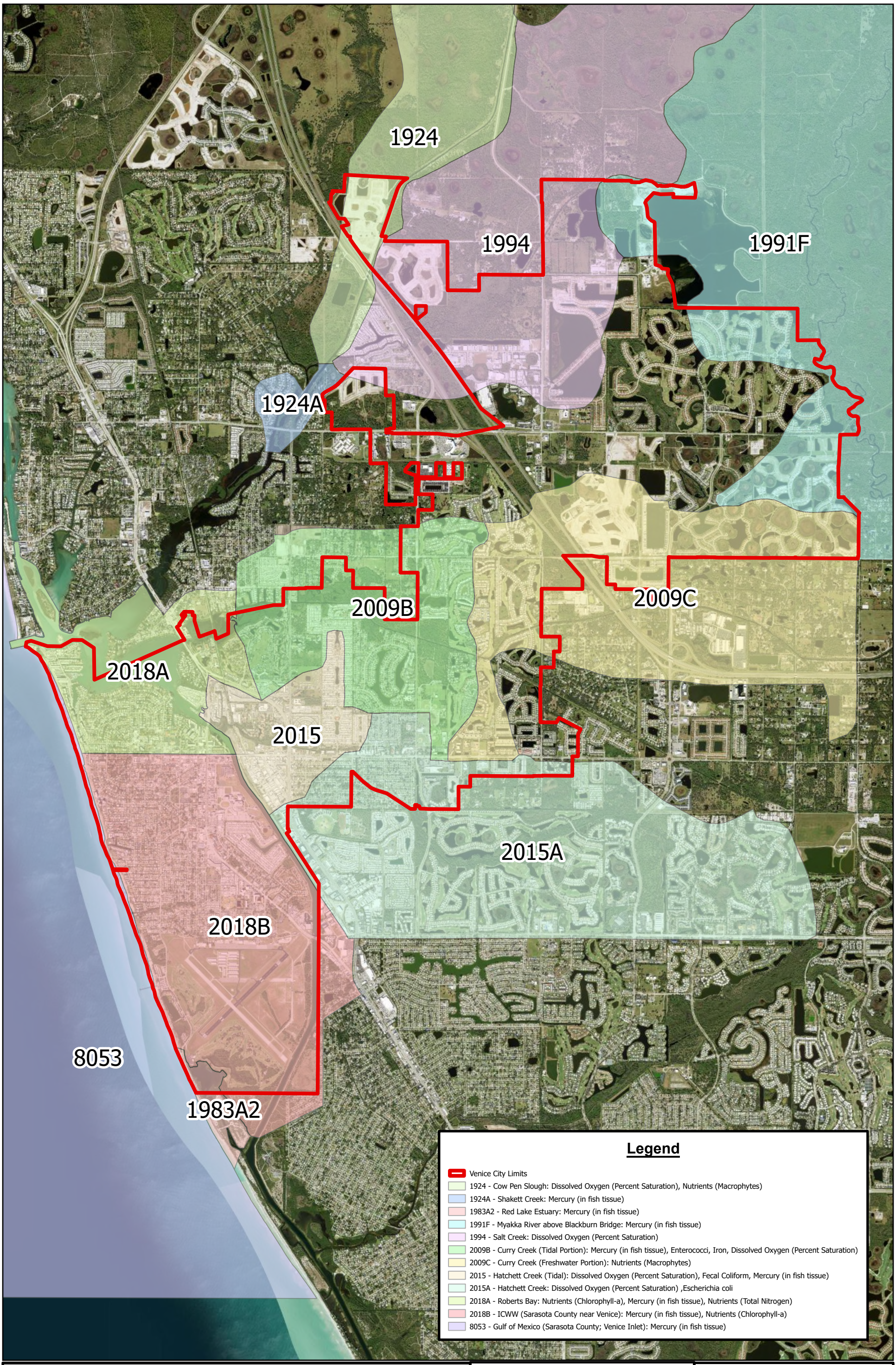
CITY OF VENICE STORMWATER MASTER PLAN AUGUST 2024

0 2,000 4,000 Feet

N

Kimley»Horn

A-3



IMPAIRED WATERBODIES MAP

CITY OF VENICE

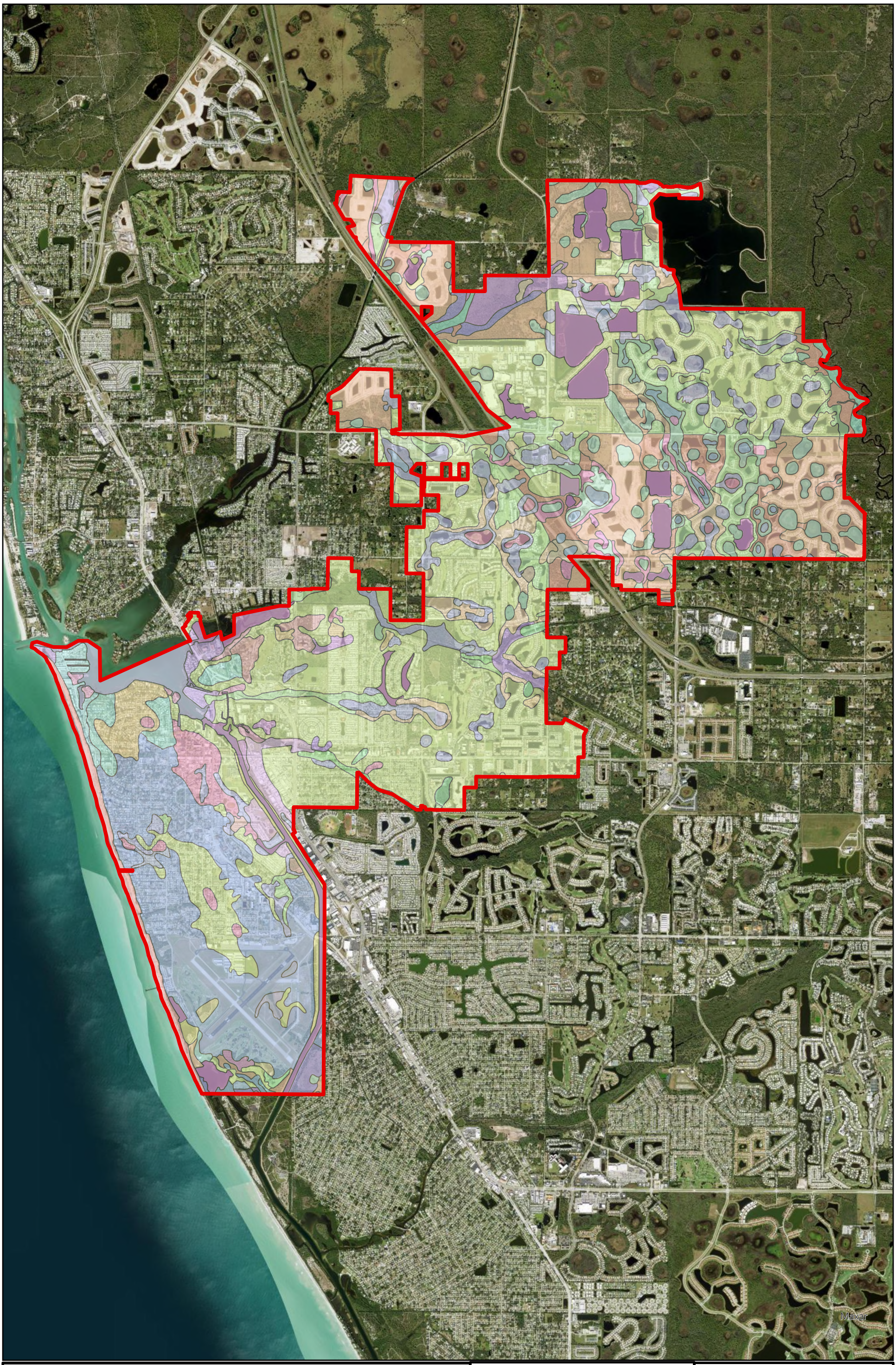
CITY OF VENICE STORMWATER MASTER PLAN AUGUST 2024

0 2,000 4,000 Feet

N

Kimley»Horn

A-4



NRCS SOILS MAP

CITY OF VENICE

CITY OF VENICE STORMWATER MASTER PLAN AUGUST 2024

0 2,000 4,000 Feet

N

Kimley»Horn

A-5

Legend

TYPE

- Beaches
- Bradenton fine sand-Urban land complex, 0 to 2 percent slopes
- Canaveral fine sand, 0 to 5 percent slopes
- Canaveral fine sand-Urban land complex, 0 to 5 percent slopes
- Cassia fine sand, 0 to 2 percent slopes
- Cassia fine sand-Urban land complex, 0 to 2 percnet slopes
- Cypress Lake-Brynwood fine sands-Urban land complex, 0 to 2 percent slopes
- Delray and Astor soils, 0 to 2 percent slopes, frequently flooded
- Delray fine sand, frequently ponded, 0 to 1 percent slopes
- Delray fine sand, ponded-Urban land complex, 0 to 1 percent slopes
- EauGallie, Myakka fine sands and 0 to 2 percent slopes
- EauGallie-Myakka fine sands-Urban land complex, 0 to 2 percent slopes
- Felda fine sand, frequently ponded, 0 to 1 percent slopes
- Felda fine sand, ponded-Urban land complex, 0 to 1 percent slopes
- Felda, Pompano fine sands, 0 to 2 percent slopes and Frequently flooded
- Felda-Pompano fine sands-Urban land complex, 0 to 2 percent slopes, frequently flooded
- Floridana and Gator soils, frequently ponded, 0 to 1 percent slopes
- Floridana-Gator soils, ponded-Urban land complex, 0 to 1 percent slopes
- Ft. Green fine sand, 0 to 2 percent slopes
- Ft. Green fine sand-Urban land complex, 0 to 2 percent slopes
- Gator-Gator, drained mucks, frequently ponded, 0 to 1 percent slopes
- Gator-Gator, drained mucks, ponded-Urban land complex, 0 to 1 percent slopes
- Holopaw fine sand, frequently ponded, 0 to 1 percent slopes
- Holopaw fine sand, ponded-Urban land complex, 0 to 1 percent slopes
- Kesson-Wulfert mucks, tidal-Urban land complex, 0 to 1 percent slopes
- Malabar fine sand, 0 to 2 percent slopes
- Malabar fine sand-Urban land complex, 0 to 2 percent slopes
- Manatee loamy fine sand, frequently ponded, 0 to 1 percent slopes
- Manatee loamy fine sand, ponded-Urban land complex, 0 to 1 percent slopes
- Matlacha gravelly fine sand-Urban land complex, 0 to 2 percent slopes
- Ona fine sand-Urban land complex, 0 to 2 percent slopes
- Orsino fine sand-Urban land complex, 0 to 2 percent slopes
- Pineda fine sand-Urban land complex, 0 to 2 percent slopes
- Pineda-Pineda, wet, fine sand, 0 to 2 percent slopes
- Pits and Dumps
- Pomello fine sand, 0 to 2 percent slopes
- Pomello fine sand-Urban land complex, 0 to 2 percent slopes
- Pompano fine sand, ponded-Urban land complex, 0 to 1 percent slopes
- Pople fine sand, wet, 0 to 2 percent slopes
- Pople fine sand, wet-Urban land complex, 0 to 2 percent slopes
- St. Augustine fine sand-Urban land complex, 0 to 2 percent slopes
- Tavares fine sand-Urban land complex, 0 to 5 percent slopes
- Wabasso fine sand, 0 to 2 percent slopes
- Water
- Waters of the Gulf of Mexico
- Venice City Limits

Appendix B – Dataset Tracker

Project Number	Project Name	Source Document	Cost	Est. Construction Start Date	Construction Status	Est. Completion Date	Comments
1	Chuch Street Flood Improvements & Water Quality	Document 1	$470,000	2026	Not started	2029	Budget-Fiscal Yr 2025-2029
2	Circle Dr. Stormwater Improvements & Water Quality	Document 1	$650,000	2028	Not started	2029	Budget-Fiscal Yr 2025-2029
3	ST0024 - Curry Creek Water Quality Upgrades & Channel Restoration	Document 1	$250,000	2025	Not started	2026	Budget-Fiscal Yr 2025-2029
4	ST0019 - Deertown Gully Water Quality Improvements	Document 1	$400,000	2024	Not started	2026	Budget-Fiscal Yr 2025-2029
5	Golf Drive Stormwater Improvements	Document 1	$700,000	2026	Not started	2028	Budget-Fiscal Yr 2025-2029
6	Hatchett Creek Water Quality Upgrades & Channel Restoration	Document 1	$250,000	2027	Not started	2028	Budget-Fiscal Yr 2025-2029
7	N. Nokomis Ave. (Bella Costa) Outfall Water Quality Project	Document 1	$750,000	2026	Not started	2028	Budget-Fiscal Yr 2025-2029
8	Osprey Ditch Water Quality & Stormwater Improvements	Document 1	$950,000	2028	Not started	2030	Budget-Fiscal Yr 2025-2029
9	ST0023 - Park Blvd. & Granada Ave. Water Quality Upgrades	Document 1	$350,000	2024	Not started	2027	Budget-Fiscal Yr 2025-2029
10	Parkside & Parkdale Water Quality and Stormwater Improvements	Document 1	$550,000	2027	Not started	2029	Budget-Fiscal Yr 2025-2029
11	Seaboard Area - Intracoastal Waterway Outfalls	Document 1	$700,000	2026	Not started	2030	Budget-Fiscal Yr 2025-2029
13	Tarpon Center Upgrades	Document 2	$1,250,000 / $100,000	Ongoing			Budget-Fiscal Yr 2023-2027 / 2024-2028
15	Deertown Gulley Water Quality Improvements	Document 2	$325,000 / 200,000	2025	Not started	2026	Budget-Fiscal Yr 2023-2027 / 2024-2028
16	Curry Creek WQ Upgrades and Channel Restoration	Document 2	$300,000 / $300,000	2025	Not started	2026	Budget-Fiscal Yr 2023-2027 / 2024-2028
17	Outfall 10 Water Quality & Wetland Restoration	Document 2	$125,000	Ongoing			Fiscal Yr 2023-2027

Source Documents	
Document 1	City Capital Improvements Program
Document 2	City of Venice Comprehensive Plan
Document 3	2021 Venice Beach Stormwater Outfall Conceptual Plan Report
Document 4	2021 Venice Resilience Plan
Document 5	2022 NPDES MS4 Report
Document 6	Road Transfer Agreement
Document 7	1994 Stormwater Management Plan
Document 8	FY 2020 Stormwater Utility Rate Study
Document 9	2024 LMS Project List
Document 10	City of Venice Facilities Plan

Project Number	Project Name	Source Document	Cost	Est. Construction Start Date	Construction Status	Est. Completion Date	Comments
18	Outfall 1&2 Water Quality System Expansion	Document 2	$400,000 / 250,000	Ongoing			Budget-Fiscal Yr 2023-2027 / 2024-2028
19	Park Blvd. & Granada Ave. Water Quality Upgrades	Document 2	$200,000 / $150,000	2024	Not started	2027	Budget-Fiscal Yr 2023-2027 / 2024-2028
20	Hatchett Creek WQ Upgrades and Channel Restoration	Document 2	$300,000 / $300,000	Ongoing			Budget-Fiscal Yr 2023-2027 / 2024-2028
21	Osprey Ditch Water Quality and Stormwater Improvements	Document 2	$750,000 / $750,000	2028	Not started	2030	Budget-Fiscal Yr 2023-2027 / 2024-2028
22	Seaboard Area - Intracoastal Waterway Outfalls	Document 2	$500,000 / $500,000	2026	Not started	2030	Budget-Fiscal Yr 2023-2027 / 2024-2028
23	Church St. Flood Improvements & Water Quality	Document 2	$370,000 / $370,000	2026	Not started	2029	Budget-Fiscal Yr 2023-2027 / 2024-2028
24	Golf Dr. Stormwater Improvements	Document 2	$450,000 / $450,000	2026	Not started	2028	Budget-Fiscal Yr 2023-2027 / 2024-2028
25	Nolen Green Water Quality Projects	Document 2	$55,000 / $30,000	Ongoing			Budget-Fiscal Yr 2023-2027 / 2024-2028
26	Parkside & Parkdale Dr. WQ and Stormwater Improvements	Document 2	$350,000 / $350,000	2027	Not started	2029	Budget-Fiscal Yr 2023-2027 / 2024-2028
27	Airport Ave. Drainage and Water Quality Upgrades	Document 2	$350,000 / $200,000	Ongoing			Budget-Fiscal Yr 2023-2027 / 2024-2028
28	North Nokomis (Bella Costa) Outfall WQ Project	Document 2	$200,000 / $200,000	2026	Not started	2028	Budget-Fiscal Yr 2023-2027 / 2024-2028
29	Circle Dr. Stormwater Improvements & Water Quality	Document 2	$400,000	2028	Not started	2029	Budget-Fiscal Yr 2024-2028
30	Venezia Park dry Retention	Document 3	$359,658		Not started		Recommended
32	Brohard Beach Dry Retention	Document 3	$404,180		Not started		Recommended
33	Bella Costa Baffle Box	Document 3	$618,020		Not started		Recommended

Source Documents	
Document 1	City Capital Improvements Program
Document 2	City of Venice Comprehensive Plan
Document 3	2021 Venice Beach Stormwater Outfall Conceptual Plan Report
Document 4	2021 Venice Resilience Plan
Document 5	2022 NPDES MS4 Report
Document 6	Road Transfer Agreement
Document 7	1994 Stormwater Management Plan
Document 8	FY 2020 Stormwater Utility Rate Study
Document 9	2024 LMS Project List
Document 10	City of Venice Facilities Plan

Project Number	Project Name	Source Document	Cost	Est. Construction Start Date	Construction Status	Est. Completion Date	Comments
35	Osprey Ditch Baffle Box - 1+2	Document 3	$1,045,005		Not Started		Recommended
37	Airport Dry Retention	Document 3	$1,318,980		Not started		Recommended
38	Deertown Gully Wet Pond	Document 3	$1,142,088		Not started		Recommended
42	Curry Creek Adpation Focus Area	Document 4	N/A				
43	Tarpon Center Drive Focus Area	Document 4	N/A				
44	Hatchett Creek Focus Area	Document 4	N/A				
45	Airport Focus Area	Document 4	N/A				
46	Golf Drive Stormwater Improvements	Document 5	$450,000	2022-23		2026-27	
47	Church St. Flooding Improvements	Document 5	$400,000	2022-23		2026-27	
48	Parkdale & Parkside Dr Improvements	Document 5	$350,000	2022-23		2026-27	
49	Circle Dr. Flooding Improvements	Document 5	$400,000	2022-23		2026-27	
50	Outfall 1& 2 Water Quality Improvement	Document 5	$400,000	2022-23		2026-27	
51	Outfall 10 Water Quality Improvement	Document 5	$125,000	2022-23		2026-27	
52	Deertown Gulley Water Quality Upgrades	Document 5	$325,000	2022-23		2026-27	
53	Outfall 18 Upgrade	Document 5	$200,000	2022-23		2026-27	

Source Documents	
Document 1	City Capital Improvements Program
Document 2	City of Venice Comprehensive Plan
Document 3	2021 Venice Beach Stormwater Outfall Conceptual Plan Report
Document 4	2021 Venice Resilience Plan
Document 5	2022 NPDES MS4 Report
Document 6	Road Transfer Agreement
Document 7	1994 Stormwater Management Plan
Document 8	FY 2020 Stormwater Utility Rate Study
Document 9	2024 LMS Project List
Document 10	City of Venice Facilities Plan

Project Number	Project Name	Source Document	Cost	Est. Construction Start Date	Construction Status	Est. Completion Date	Comments
54	Osprey Ditch Upgrade	Document 5	$750,000	2022-23		2026-27	
55	City of Venice Road Transfer	Document 6	$3,200,000	2014	N/A	2019	
56	Sarasota County Road Transfer	Document 6	N/A	2014	N/A	2019	
62	Street Sweeping	Document 7	$134,200	Ongoing	N/A		Based on 1998 cost
63	Mowing	Document 7	$50,000	Ongoing	N/A		Based on 1998 cost
64	Litter Control	Document 7	$15,800	Ongoing	N/A		Based on 1998 cost
65	Spill Prevention	Document 7	$56,300	Ongoing	N/A		Based on 1998 cost
66	Catch Basin Maintenance	Document 7	$56,300	Ongoing	N/A		Based on 1998 cost
67	Structural O&M	Document 7	$168,800	Ongoing	N/A		Based on 1998 cost
68	Spill Response & Prevention	Document 7	$56,300	Ongoing	N/A		Based on 1998 cost
69	Storm Sewer Investigations	Document 7	$12,400	Ongoing	N/A		Based on 1998 cost
70	Drainage & Paving Improvements	Document 7	$600,000	Ongoing	N/A		Based on 1998 cost
71	Public Education	Document 7	$5,000	Ongoing	N/A		Based on 1998 cost
72	Erosion & Sedimentation Program	Document 7	$24,900	Ongoing	N/A		Based on 1998 cost
73	Water Quality Monitoring Program	Document 7	$25,100	Ongoing	N/A		Based on 1998 cost

Source Documents	
Document 1	City Capital Improvements Program
Document 2	City of Venice Comprehensive Plan
Document 3	2021 Venice Beach Stormwater Outfall Conceptual Plan Report
Document 4	2021 Venice Resilience Plan
Document 5	2022 NPDES MS4 Report
Document 6	Road Transfer Agreement
Document 7	1994 Stormwater Management Plan
Document 8	FY 2020 Stormwater Utility Rate Study
Document 9	2024 LMS Project List
Document 10	City of Venice Facilities Plan

Project Number	Project Name	Source Document	Cost	Est. Construction Start Date	Construction Status	Est. Completion Date	Comments
74	LOS Assessment	Document 7	$23,000	Ongoing	N/A		Based on 1998 cost
75	Canal Maintenance Program	Document 7	$144,000	Ongoing	N/A		Based on 1998 cost
76	Industrial Area Improvements	Document 7	$8,700	1994	Completed		Based on 1998 cost
77	Outfall 1 - Culvert Ext. thru Beach Fill	Document 7	$11,880		Completed		
78	Outfall 1A - Reroute to Exist. Storm Sewer	Document 7	$29,676				Outfall still exists
79	Outfall 2 - Culvert Ext. thru Beach Fill	Document 7	$36,000		Completed		
80	Outfall 2A - Taper Beach Fill	Document 7	N/A				
81	Outfall 3 - Beach Side Retention Swale	Document 7	$17,525		Completed		Outfalls removed
82	Outfall 3A - Reroute to Exist. Storm Sewer	Document 7	$40,386				
83	Outfall 4 - Culvert Ext. thru Beach Fill	Document 7	$25,200		Completed		
84	Outfall 4A - Reroute to Flamingo Dr. Sys.	Document 7	$85,908				
85	Outfall 5 - Training Walls w/ Beach Fill	Document 7	$32,914		Completed		
86	Outfall 5A - Taper Beach Fill	Document 7	N/A				
87	Outfall 6 - Beach Side Retention Swale	Document 7	$20,620		Completed		Outfalls removed
88	Outfall 6A - Reroute to Flamingo Dr. Sys.	Document 7	$69,552				
89	Outfall 7 - Retention Swale & Pipe Ext.	Document 7	$44,790		Completed		

Source Documents	
Document 1	City Capital Improvements Program
Document 2	City of Venice Comprehensive Plan
Document 3	2021 Venice Beach Stormwater Outfall Conceptual Plan Report
Document 4	2021 Venice Resilience Plan
Document 5	2022 NPDES MS4 Report
Document 6	Road Transfer Agreement
Document 7	1994 Stormwater Management Plan
Document 8	FY 2020 Stormwater Utility Rate Study
Document 9	2024 LMS Project List
Document 10	City of Venice Facilities Plan

Project Number	Project Name	Source Document	Cost	Est. Construction Start Date	Construction Status	Est. Completion Date	Comments
90	Outfall 7A - Reroute to Deertown Sys.	Document 7	$111,930				
91	Outfall 8 - Training Walls	Document 7	$32,915		Completed		
92	Outfall 8A - Taper Beach Fill	Document 7	N/A				
93	Outfall 9 - Beach Side Retention Swale	Document 7	$21,900		Completed		Outfalls removed
94	Outfall 9A - Reroute to Beach Rd. Sys.	Document 7	$39,162				
95	Outfall 10 - Structure w/ Pipe Ext. thru Beach Fill	Document 7	$16,752		Completed		
96	Otufall 10A - Connect to Exist. Storm Sys.	Document 7	$88,832				
97	Outfall 11 - Connect to System 10	Document 7	$6,500		Completed		
98	Live Oak St. Stormwater Improvements	Document 8	$618,649		Completed	2020	
99	Outfall 9 Improvement	Document 8	$100,000				Budget-Fisical YR 2023
100	Airport Area - ICW Outfalls	Document 8	$400,000				Budget-Fiscal YR 2028 and 2030
101	Valencia Rd. Flood Improvements &Water Quality	Document 8	$850,000				For FY 2023
102	Outfall #14 - Osprey Street	Document 9	$300,000				
103	Deertown Gully Headwall Replacement	Document 10	$25,000				

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Document 8	FY 2020 Stormwater Utility Rate Study
Document 9	2024 LMS Project List
Document 10	City of Venice Facilities Plan

C-0 Project Location Map – Key Sheet

C-1 Project Location Map

C-2 Project Location Map

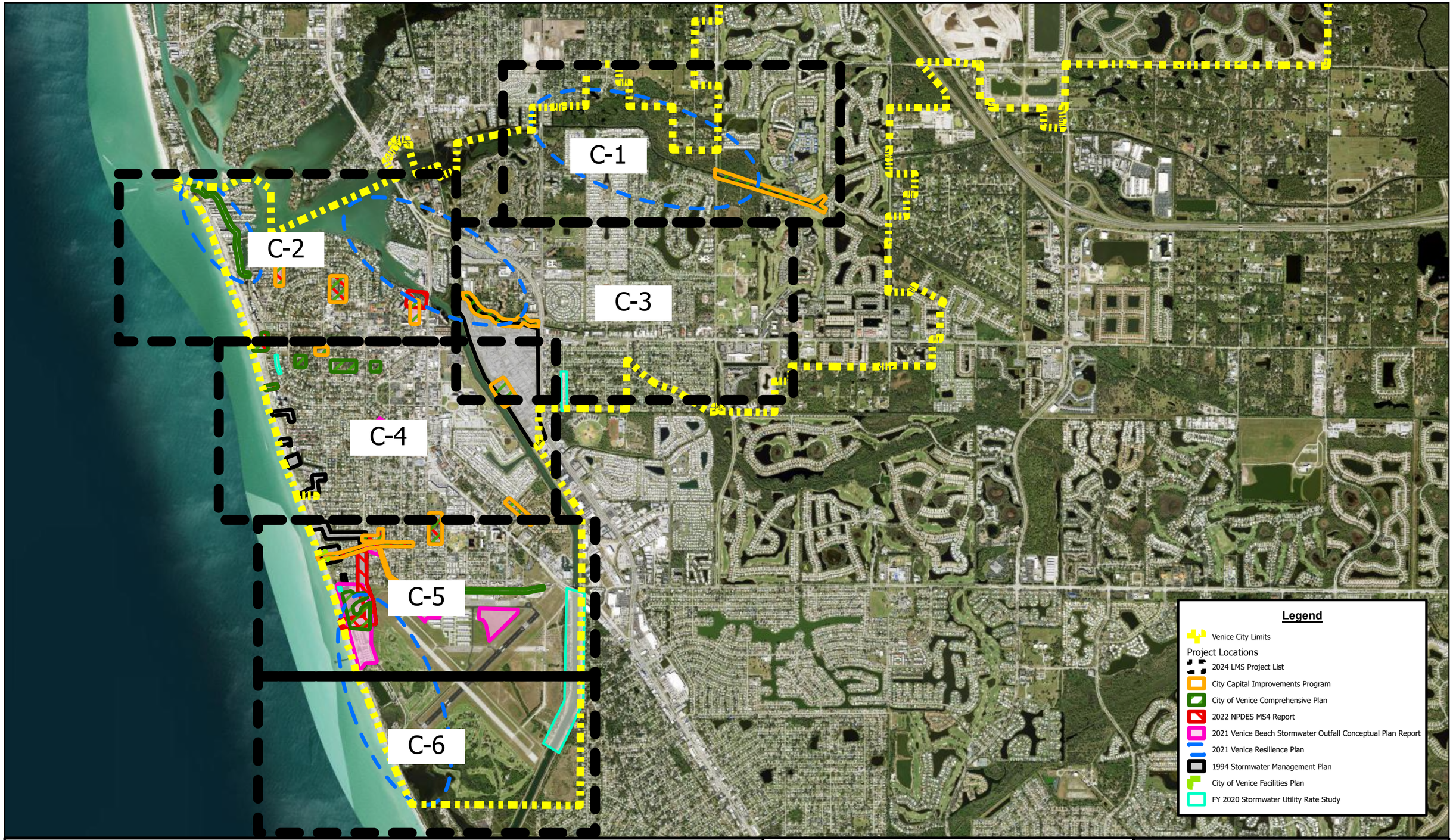
C-3 Project Location Map

C-4 Project Location Map

C-5 Project Location Map

C-6 Project Location Map

Appendix C – Project Location Maps



Project Location - Key Sheet

City of Venice Stormwater Master Plan Update

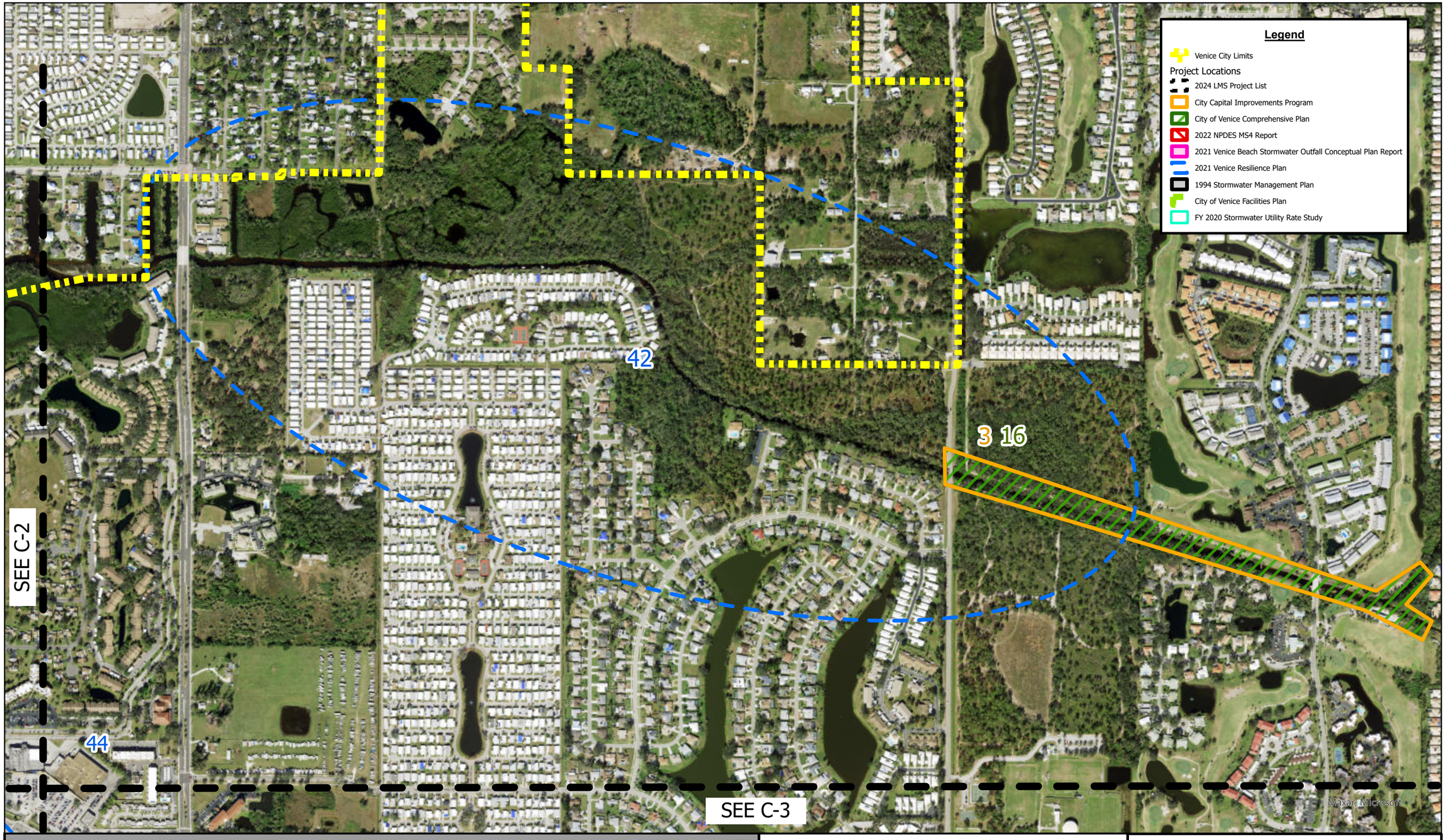
Venice, FL
Sarasota County
August 2024

0 2,000 4,000 Feet

N

Kimley»Horn

C-0



Project Location Map

City of Venice Stormwater Master Plan Update

Venice, FL
Sarasota County
August 2024

0 500 1,000 Feet

N

Kimley»Horn

C-1

13 14
43
102
8
21
35
54
44
SEE C-1 AND C-3
10
26
48
53
7
28
33
18 50
77 78
9 19
101
SEE C-4
25
Maxar, Microso

Legend

- Venice City Limits

Project Locations

- 2024 LMS Project List
- City Capital Improvements Program
- City of Venice Comprehensive Plan
- 2022 NPDES MS4 Report
- 2021 Venice Beach Stormwater Outfall Conceptual Plan Report
- 2021 Venice Resilience Plan
- 1994 Stormwater Management Plan
- City of Venice Facilities Plan
- FY 2020 Stormwater Utility Rate Study

Project Location Map

City of Venice Stormwater Master Plan Update

Venice, FL
Sarasota County
August 2024

0 500 1,000 Feet

N

Kimley»Horn

C-2

SEE C-1

42

44

6 20

76

98

11 22

SEE C-4

Legend

- Venice City Limits

Project Locations

- 2024 LMS Project List
- City Capital Improvements Program
- City of Venice Comprehensive Plan
- 2022 NPDES MS4 Report
- 2021 Venice Beach Stormwater Outfall Conceptual Plan Report
- 2021 Venice Resilience Plan
- 1994 Stormwater Management Plan
- City of Venice Facilities Plan
- FY 2020 Stormwater Utility Rate Study

Project Location Map

City of Venice Stormwater Master Plan Update

Venice, FL
Sarasota County
August 2024

0 500 1,000 Feet

N

Kimley»Horn

C-3

SEE C-2 AND C-3

18 50
77 78
101

SEE C-5

1 23 47

Legend

- Venice City Limits

Project Locations

- 2024 LMS Project List
- City Capital Improvements Program
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- 2021 Venice Resilience Plan
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- City of Venice Facilities Plan
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Project Location Map

City of Venice Stormwater Master Plan Update

Venice, FL
Sarasota County
August 2024

0 500 1,000 Feet

N

Kimley»Horn

C-4

SEE C-4

2 29 49

1

23

47

91 92

103

4 15 52

38

93 94

51 95 96

99

17

27

100

37

37

32

45

SEE C-6

Legend

- Venice City Limits

Project Locations

- 2024 LMS Project List
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Project Location Map

City of Venice Stormwater Master Plan Update

Venice, FL
Sarasota County
August 2024

0 500 1,000 Feet

N

Kimley»Horn

C-5

SEE C-5

45

100

Legend

- Venice City Limits

Project Locations

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- City of Venice Facilities Plan
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Maxar

Project Location Map

City of Venice Stormwater Master Plan Update

Venice, FL
Sarasota County
August 2024

0 500 1,000 Feet

N

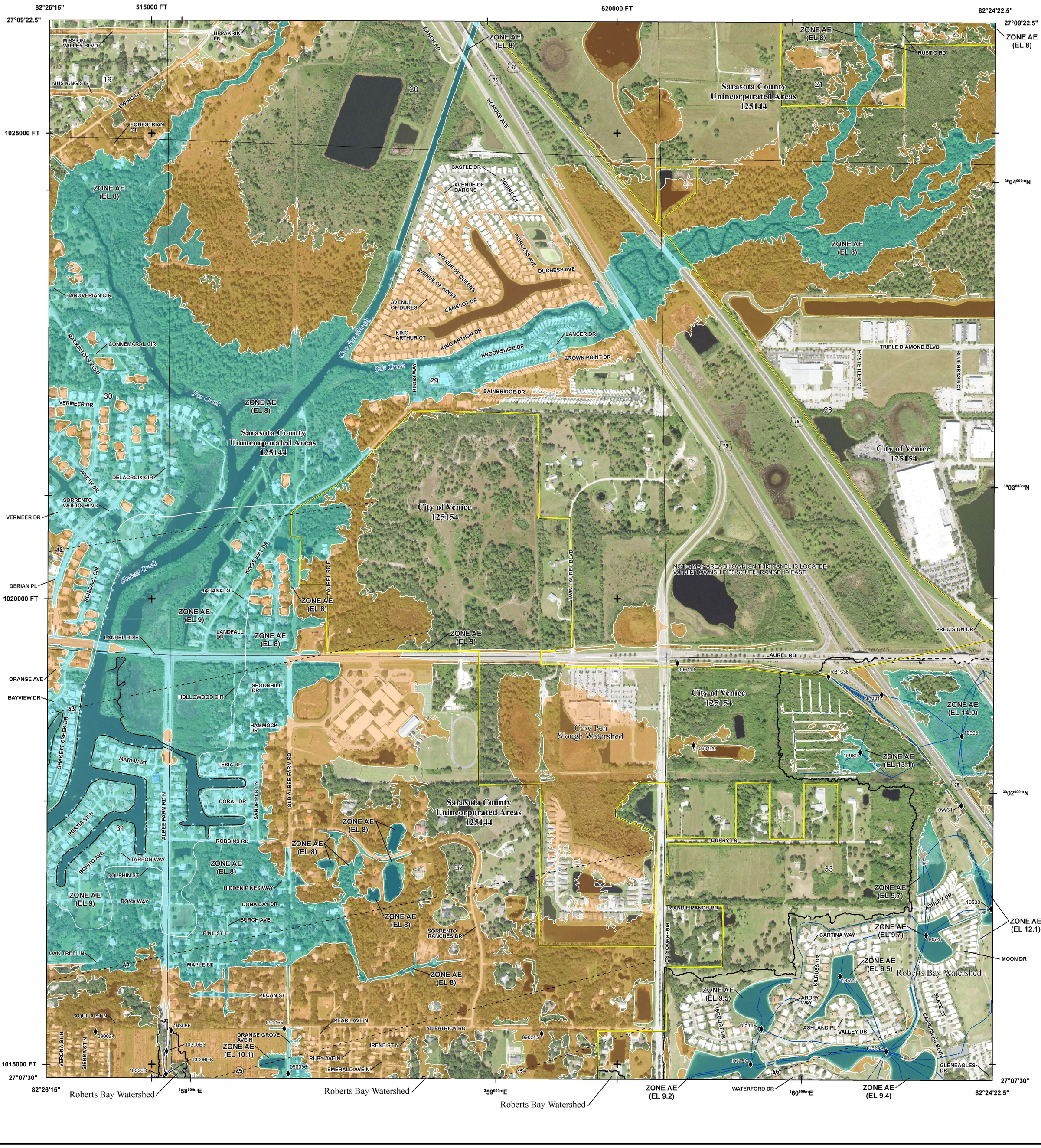
Kimley»Horn

C-6

FIRM Panels Included (03/27/2024 Effective Date):

- 12115C0243G
- 12115C0244G
- 12115C0245G
- 12115C0263G
- 12115C0327G
- 12115C0329G
- 12115C0331G
- 12115C0332G
- 12115C0333G
- 12115C0337G
- 12115C0341G
- 12115C0351G

Appendix D – FEMA FIRM Panels



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

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SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A,V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- E 18.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 — Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

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Watershed Boundary

SCALE

N

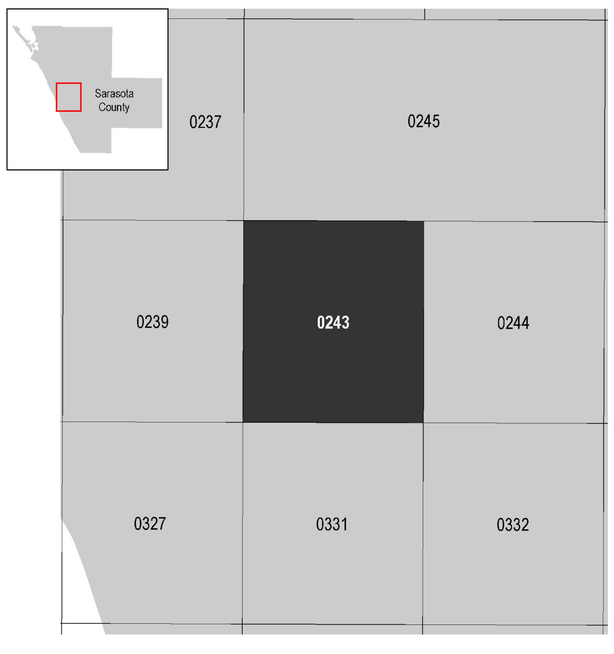
Map Projection:
HARN State Plane Transverse Mercator, Florida West Zone 0902H; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR



FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 243 OF 475

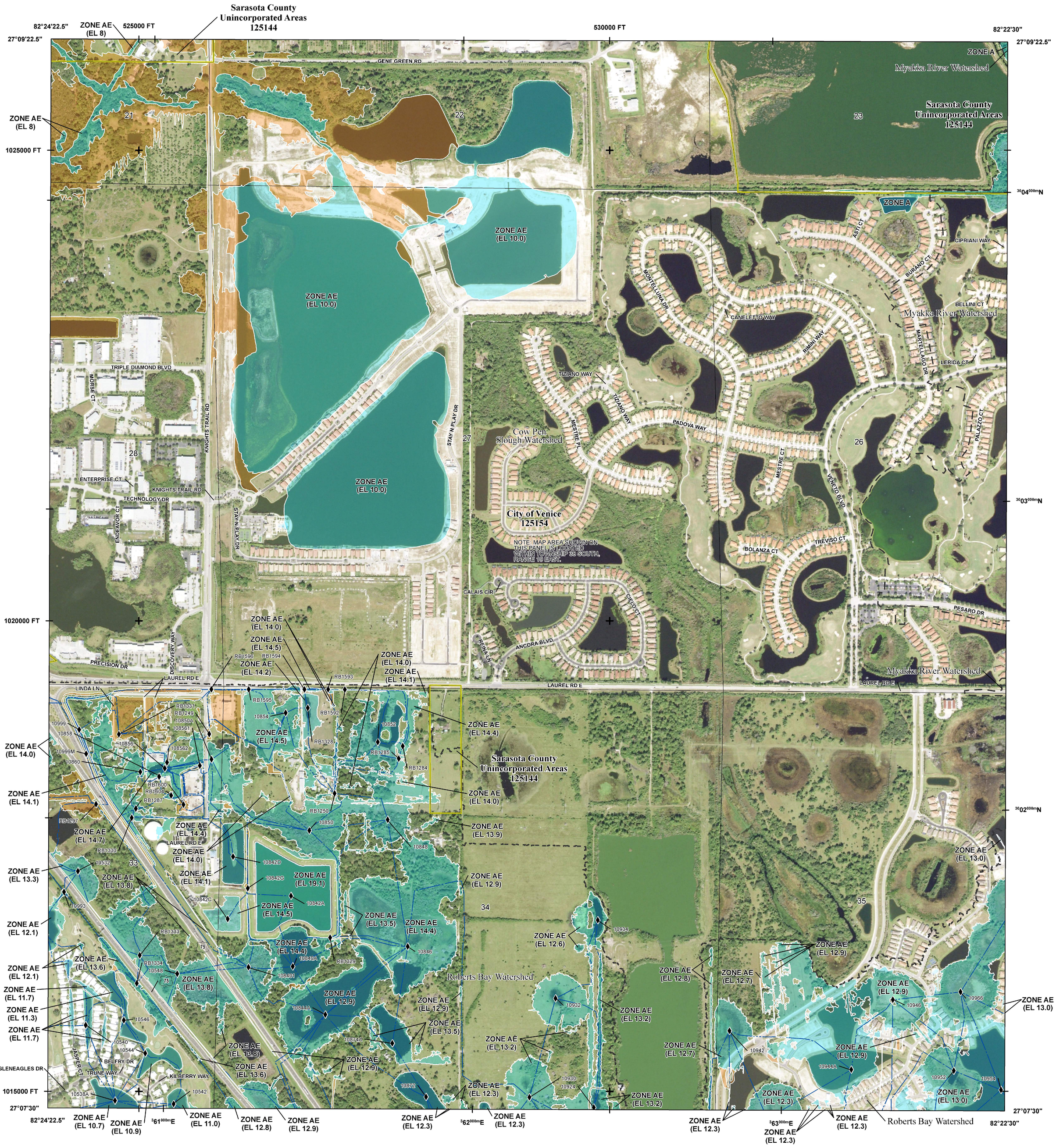
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0243	G
VENICE, CITY OF	125154	0243	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0243G

MAP REVISED
MARCH 27, 2024



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SPECIAL FLOOD HAZARD AREAS
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- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
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- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
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- 8 — Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

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– – – – – – Watershed Boundary

SCALE

N

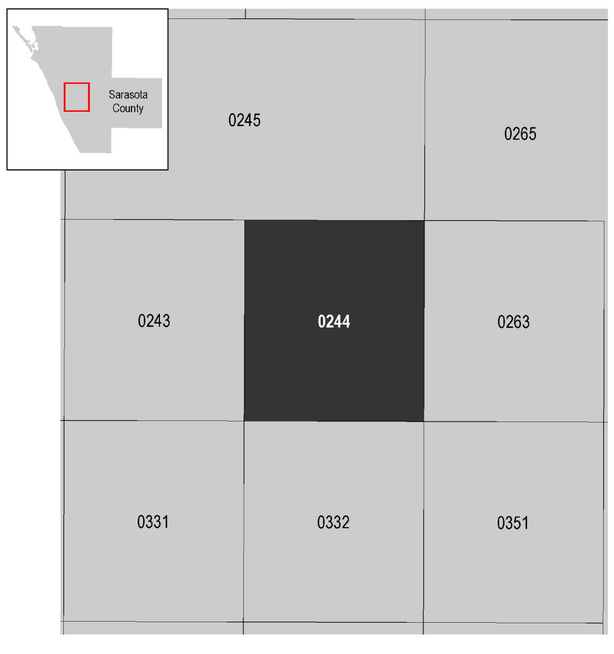
Map Projection:
HARN State Plane Transverse Mercator, Florida West Zone 0902H; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

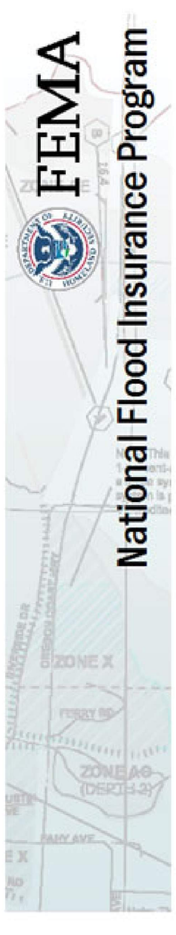
1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR





NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 244 OF 475

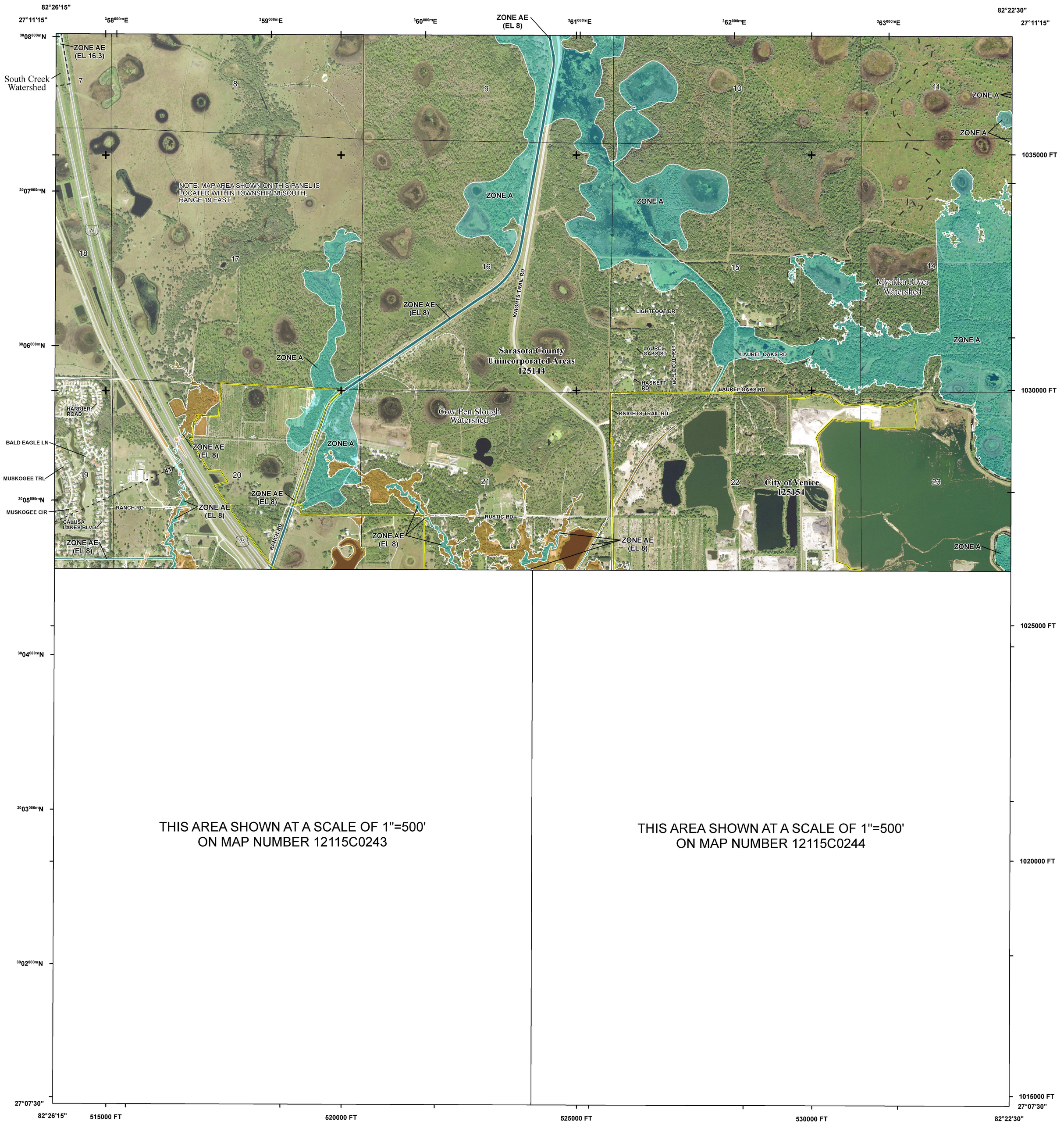
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0244	G
VENICE, CITY OF	125154	0244	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0244G

MAP REVISED
MARCH 27, 2024



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

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SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A,V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- E 18.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

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– – – – – – Watershed Boundary

SCALE

N

Map Projection:
HARN State Plane Transverse Mercator, Florida West Zone 0902H; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 1,000 feet 1:12,000

0 1,000 2,000 4,000 feet

0 250 500 1,000 meters

PANEL LOCATOR

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 245 OF 475

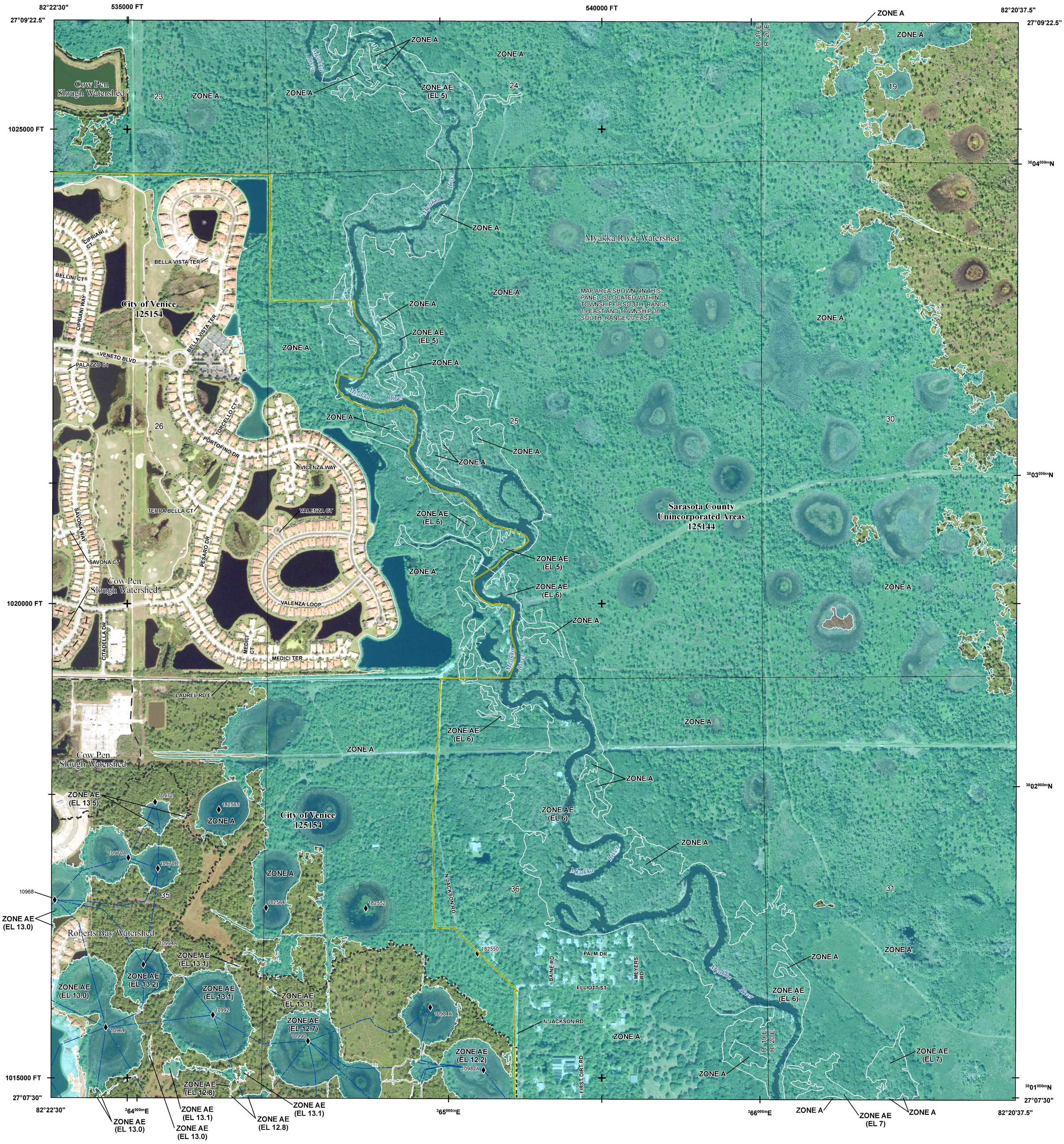
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0245	G
VENICE, CITY OF	125154	0245	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0245G

MAP REVISED
MARCH 27, 2024



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

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OTHER FEATURES
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- 513 Base Flood Elevation Line (BFE)
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Watershed Boundary

SCALE

N

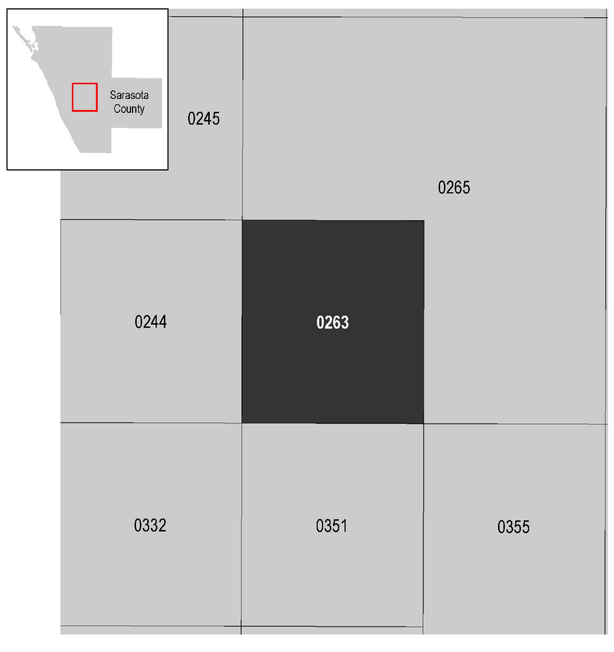
Map Projection:
HARN State Plane Transverse Mercator, Florida West Zone 0902H; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

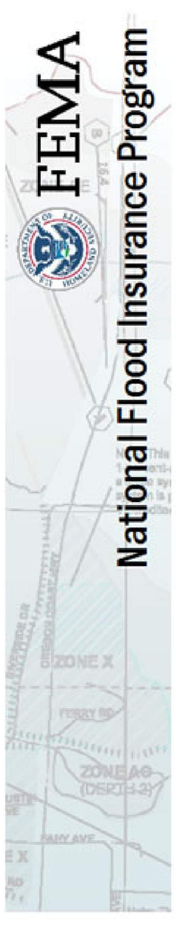
1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR





NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 263 OF 475

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0263	G
VENICE, CITY OF	125154	0263	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0263G

MAP REVISED
MARCH 27, 2024



FLOOD HAZARD INFORMATION

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- Hydrographic Feature
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

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- Limit of Moderate Wave Action (LiMWA)
- Watershed Boundary

SCALE

N

Map Projection:
HARN State Plane Transverse Mercator, Florida West Zone 0902H; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR

*PANEL NOT PRINTED

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 327 OF 475

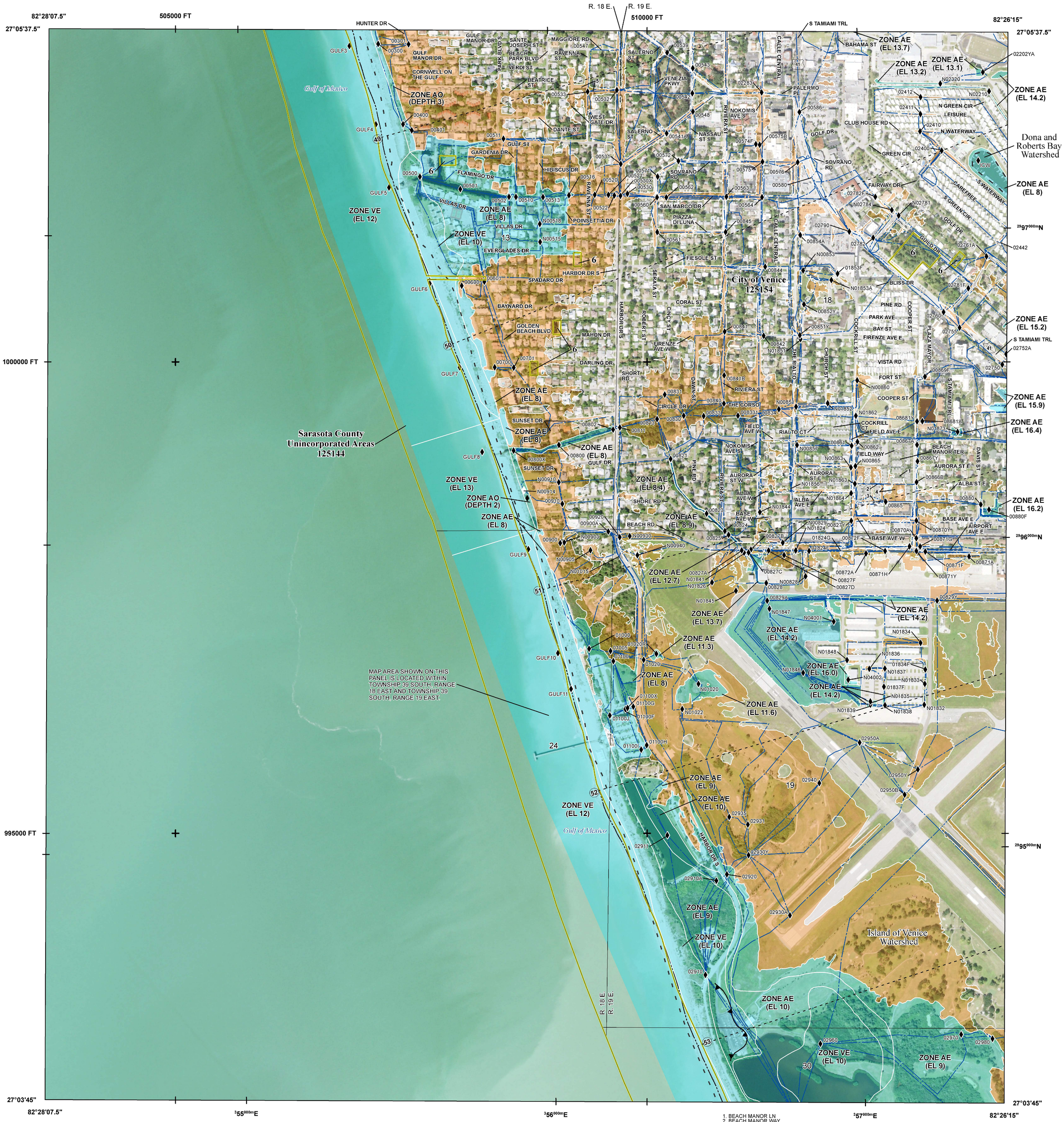
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0327	G
VENICE	125154	0327	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0327G

MAP REVISED
MARCH 27, 2024



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

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SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A,V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
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OTHER AREAS
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- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- E 18.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

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- Limit of Moderate Wave Action (LiMWA)
- Watershed Boundary

SCALE

N

Map Projection:
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1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR

*PANEL NOT PRINTED

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 329 OF 475

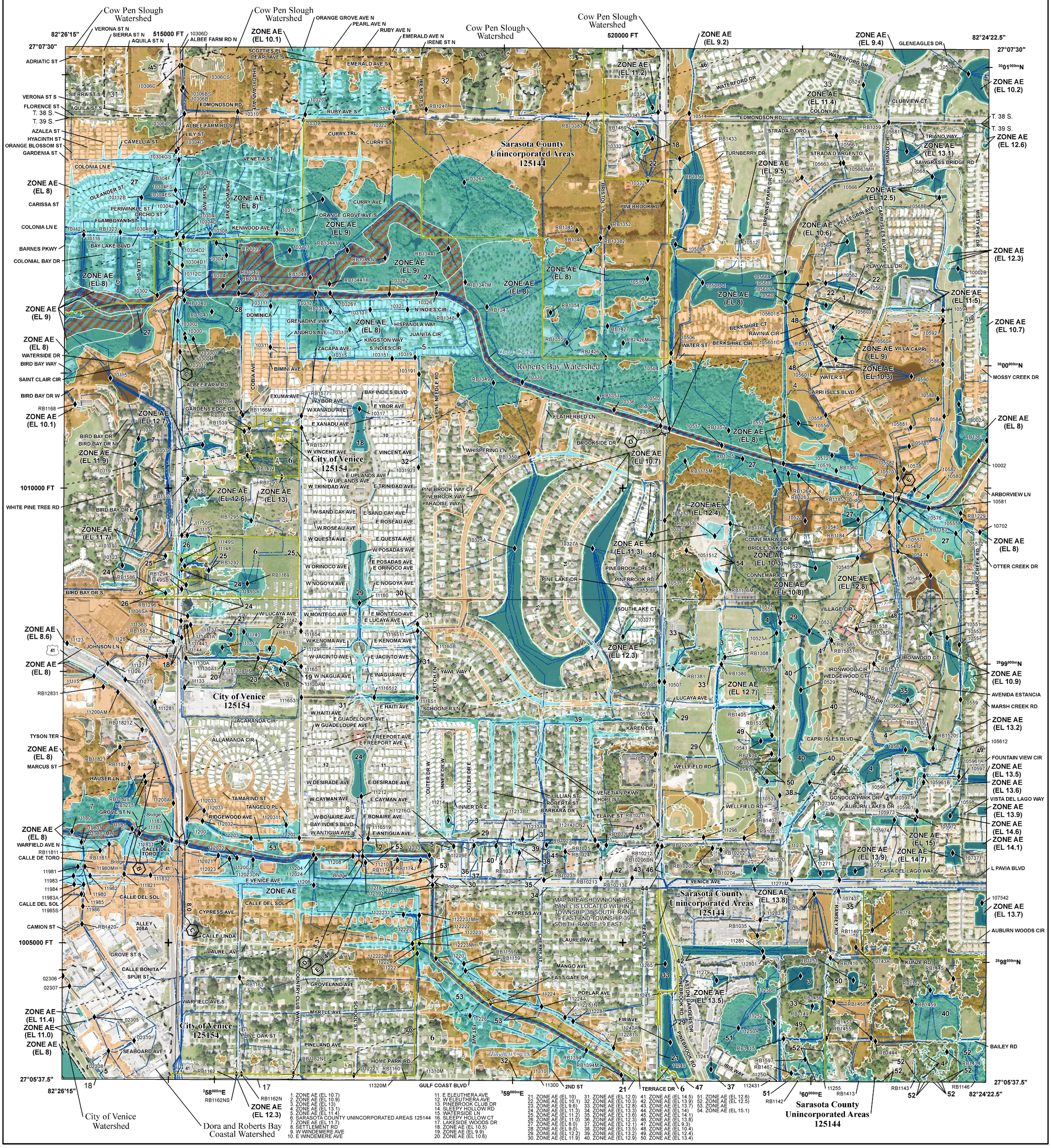
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0329	G
VENICE, CITY OF	125154	0329	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0329G

MAP REVISED
MARCH 27, 2024


Cow Pen Slough Watershed
Roberts Bay Watershed
Curry Creek
Hatchett Creek
Bridge
Sarasota County Unincorporated Areas 125144
City of Venice 125154
ZONE AE (EL 8)
ZONE AE (EL 9)
ZONE AE (EL 10.1)
ZONE AE (EL 11.2)
ZONE AE (EL 9.2)
ZONE AE (EL 9.4)
ZONE AE (EL 11.4)
ZONE AE (EL 9.5)
ZONE AE (EL 10.6)
ZONE AE (EL 12.5)
ZONE AE (EL 13.1)
ZONE AE (EL 12.6)
ZONE AE (EL 10.2)
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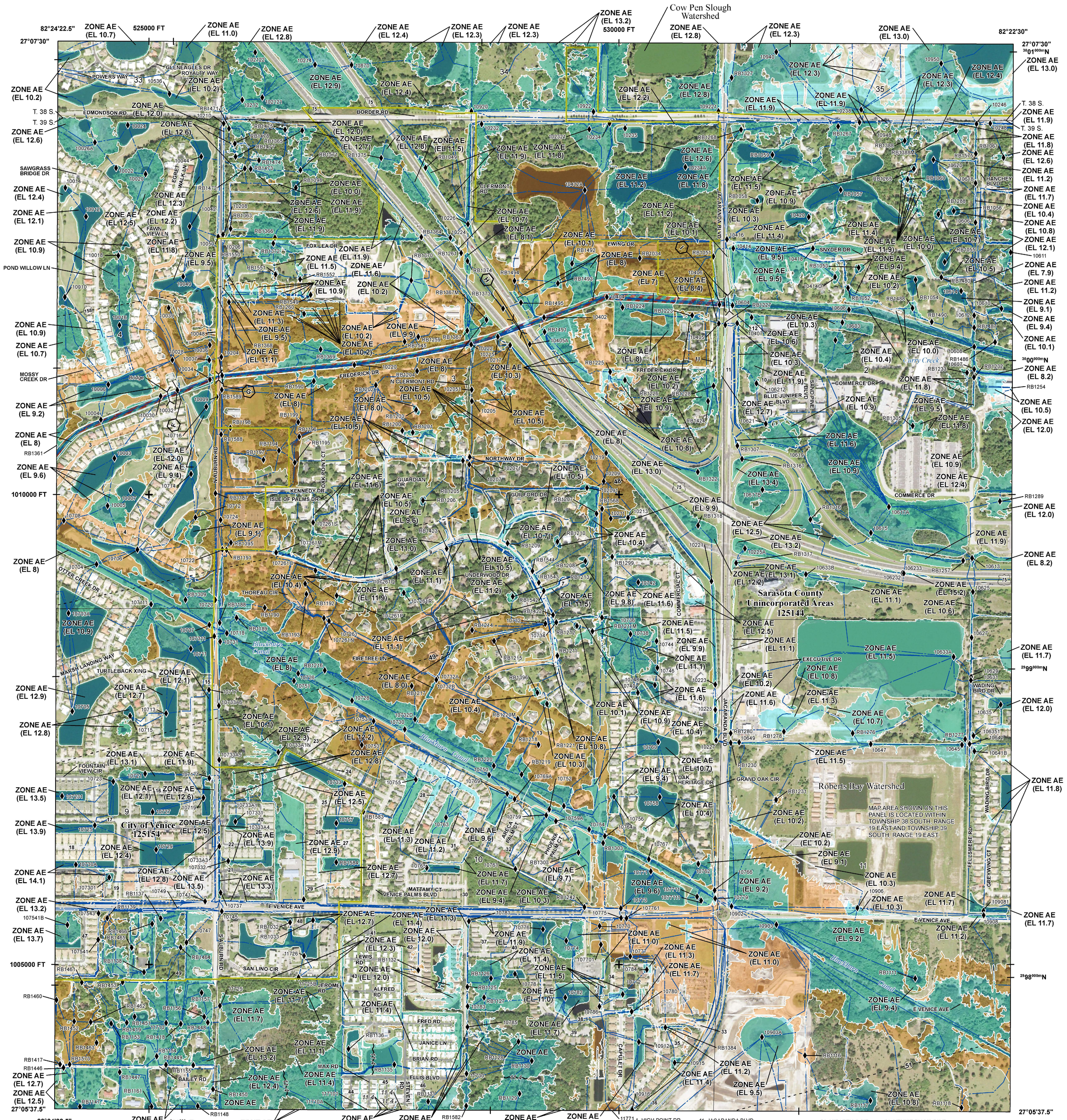
ZONE AE (EL 15)
ZONE AE (EL 14.7)
ZONE AE (EL 13.7



FLOOD HAZARD INFORMATION

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- Regulatory Floodway

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- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS

- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- E 18.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 — Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

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– – – – – – Watershed Boundary

SCALE

N

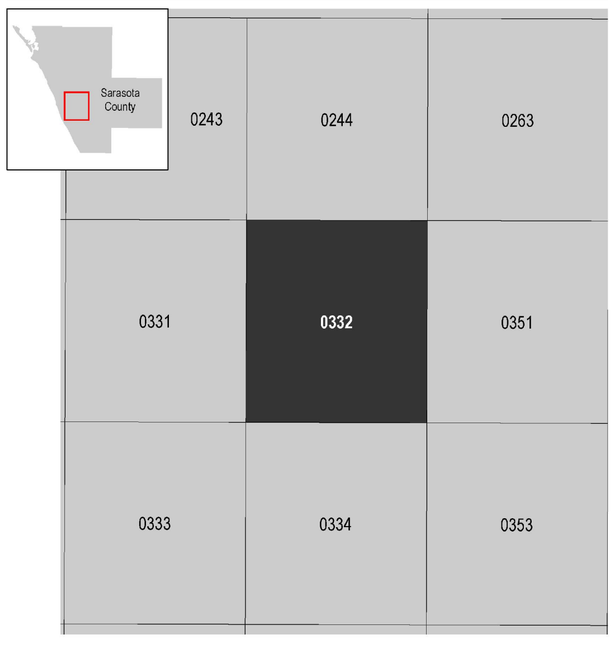
Map Projection:
HARN State Plane Transverse Mercator, Florida West Zone 0902H; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

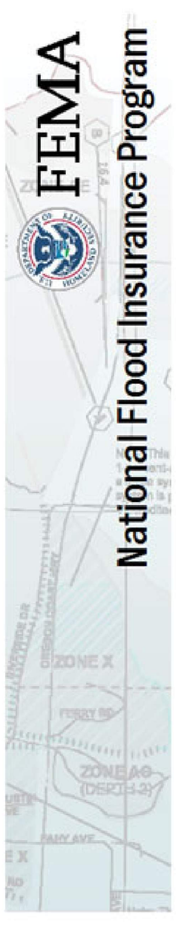
1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR





NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA

and Incorporated Areas

PANEL 332 OF 475

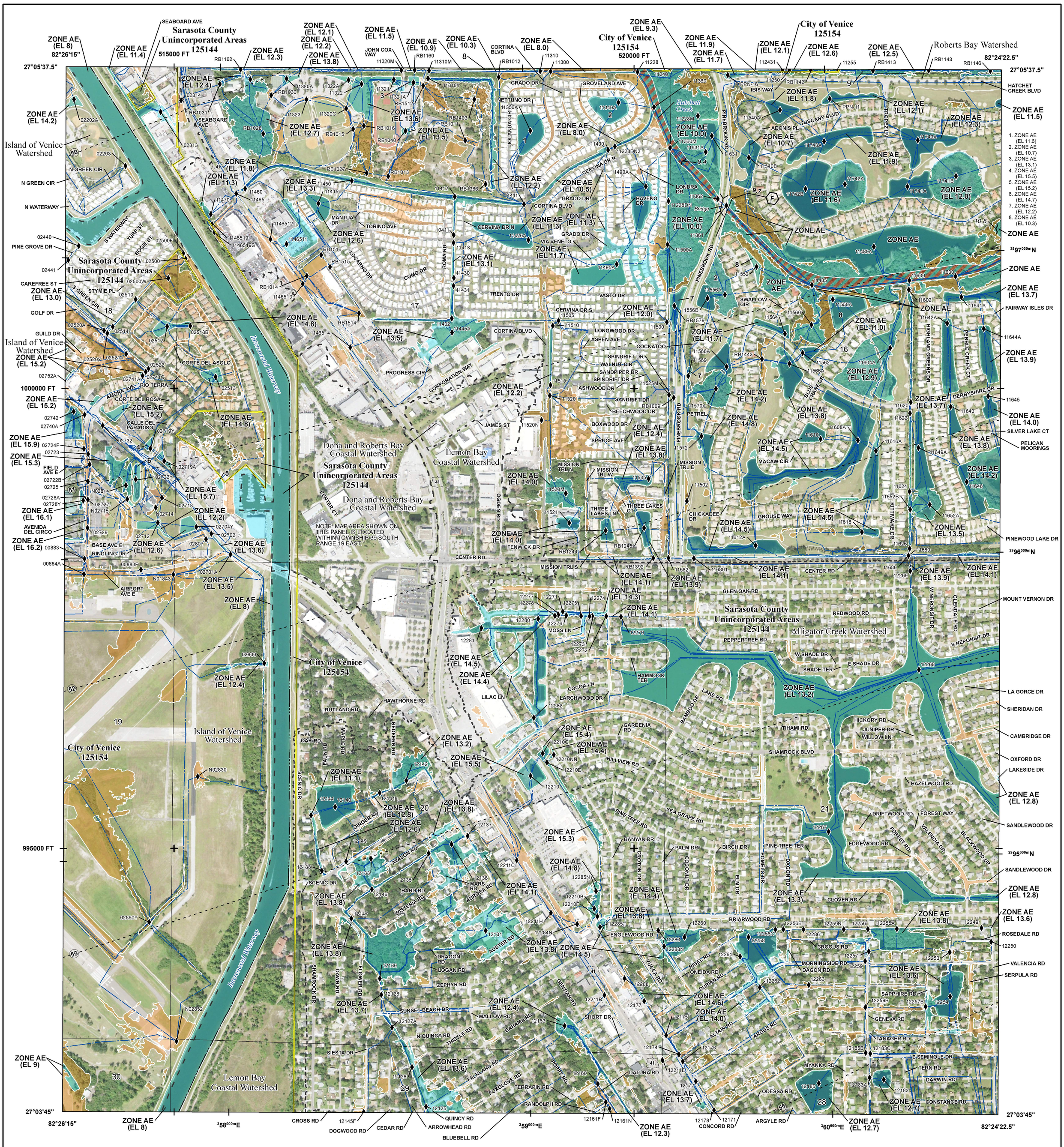
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0332	G
VENICE, CITY OF	125154	0332	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0332G

MAP REVISED
MARCH 27, 2024



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- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
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- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
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- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- E 18.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 — Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

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– – – – – – Watershed Boundary

SCALE

N

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0 250 500 750 1,000 2,000 feet

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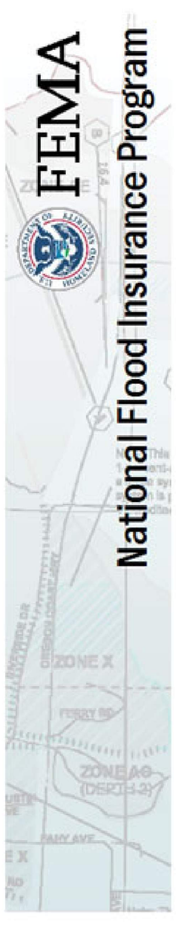
PANEL LOCATOR





NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 333 OF 475

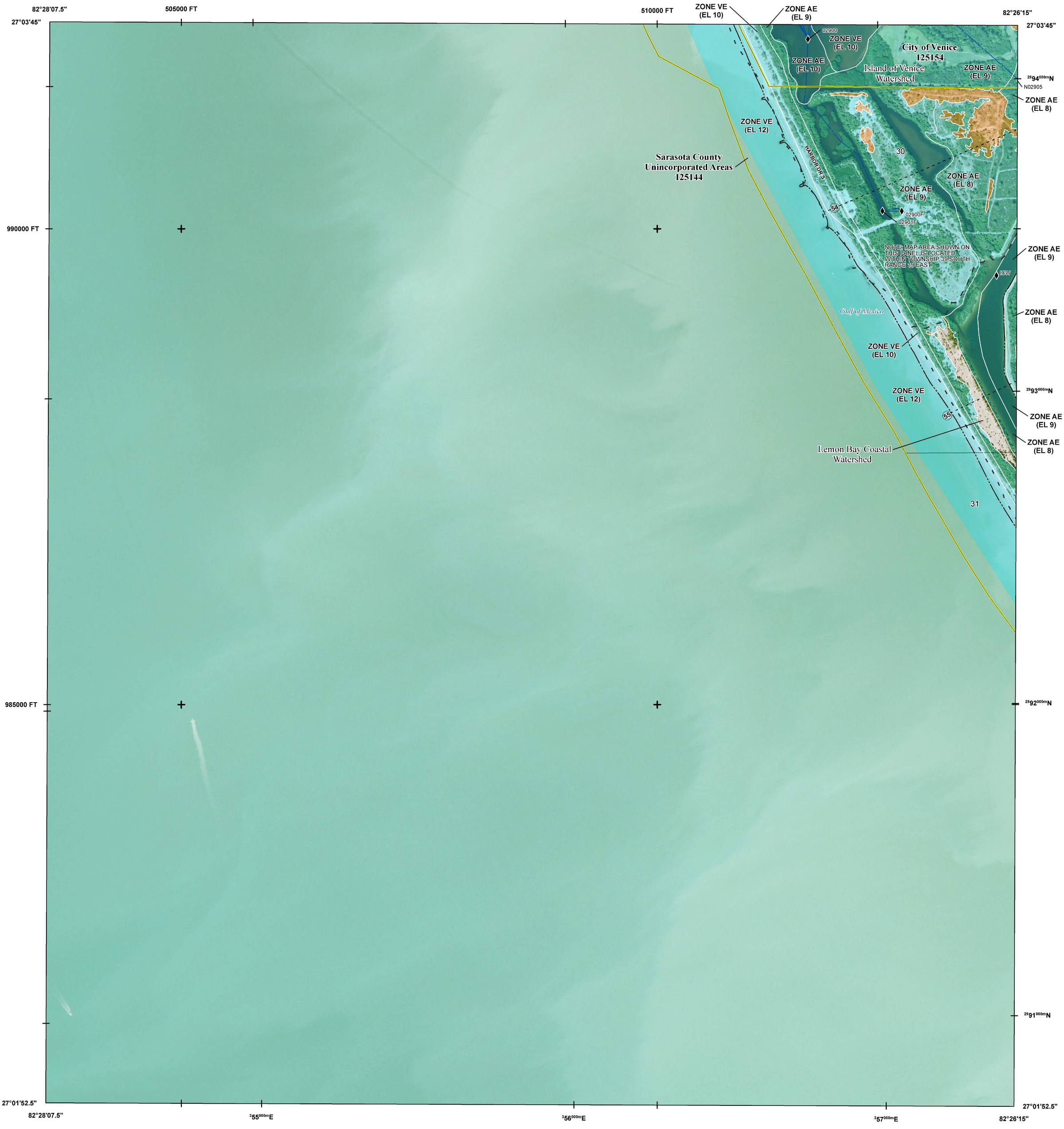
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0333	G
VENICE, CITY OF	125154	0333	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0333G

MAP REVISED
MARCH 27, 2024



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- Watershed Boundary
- Limit of Moderate Wave Action (LiMWA)

SCALE

N

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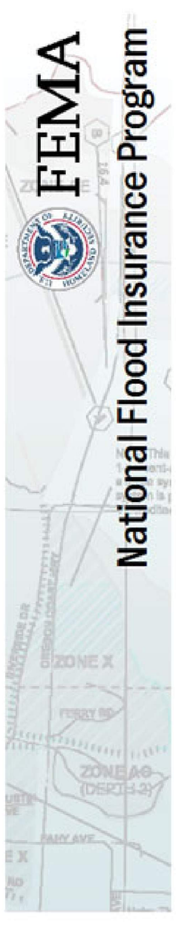


NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA

and Incorporated Areas

PANEL 337 OF 475

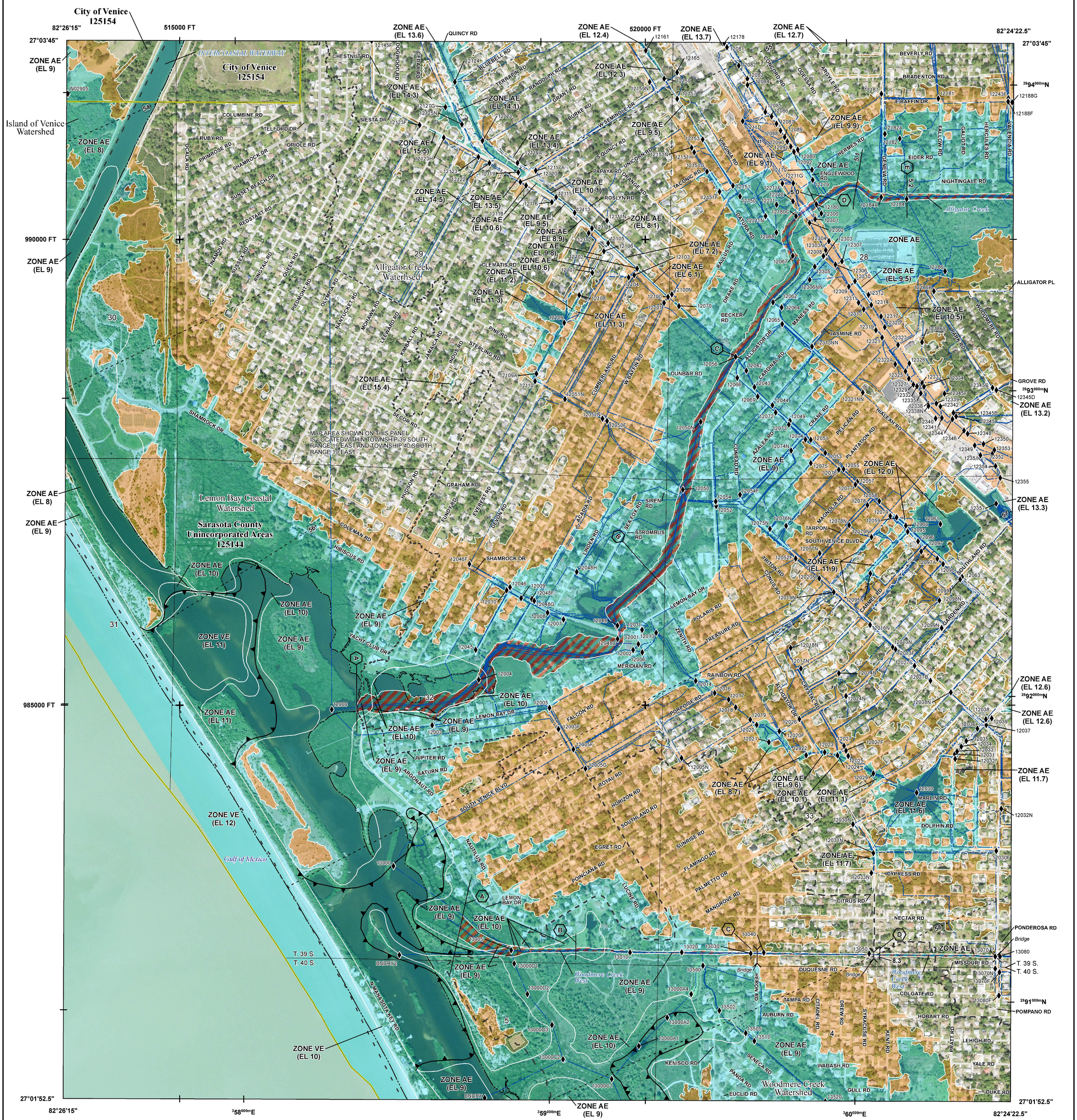
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0337	G
VENICE, CITY OF	125154	0337	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0337G

MAP REVISED
MARCH 27, 2024



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- Levee, Dike, or Floodwall

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- 8 Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
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- Limit of Study
- Jurisdiction Boundary

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To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the Southwest Florida Water Management District, National Geodetic Survey, Sarasota County GIS, United States Geologic Survey, and the United States Fish and Wildlife Service. Ortho imagery was originally produced by National Agriculture Imagery Program (NAIP) in 2018 and has a 1- meter ground sample distance.

LIMIT OF MODERATE WAVE ACTION: Zone AE has been divided by a Limit of Moderate Wave Action (LiMWA). The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between Zone VE and the LiMWA (or between the shoreline and the LiMWA for areas where Zone VE is not identified) will be similar to, but less severe than, those in the Zone VE.

Coastal Barrier Resources System (CBRS) areas and "otherwise protected areas" (OPAs) are no longer shown on this map panel, but still may be present in this community. Current information on these areas is provided by the U.S. Fish & Wildlife Service (FWS). NFIP flood insurance is not available within CBRS areas for structures that are built or substantially improved on or after the dates indicated by FWS. Users should reference the most up-to-date information provided by FWS to determine NFIP insurance eligibility. The official maps and additional information regarding CBRS areas are provided on the FWS website at: www.fws.gov/cbra. FEMA also includes the official boundaries from FWS on our interactive and dynamic flood maps available through the FEMA Map Service Center.

- Watershed Boundary
- Limit of Moderate Wave Action (LiMWA)

SCALE

N

Map Projection:
HARN State Plane Transverse Mercator, Florida West Zone 0902H; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR



*PANEL NOT PRINTED

FEMA National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 341 OF 475

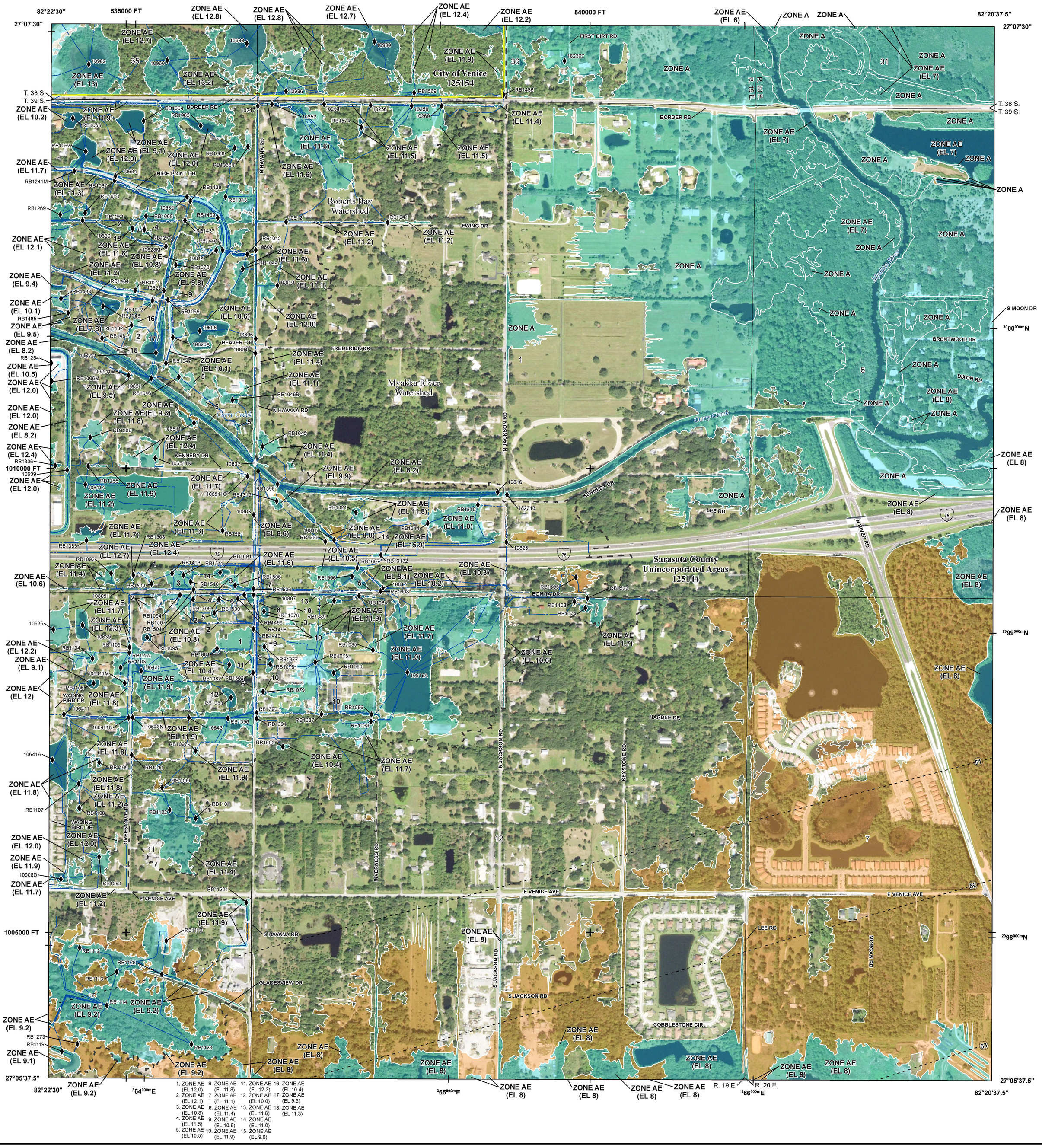
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SARASOTA COUNTY	125144	0341	G
VENICE, CITY OF	125154	0341	G

VERSION NUMBER
2.4.3.0

MAP NUMBER
12115C0341G

MAP REVISED
MARCH 27, 2024



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTPS://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) *Zone A,V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS

- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- E 18.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 — Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at https://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

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– – – – – – Watershed Boundary

SCALE

N

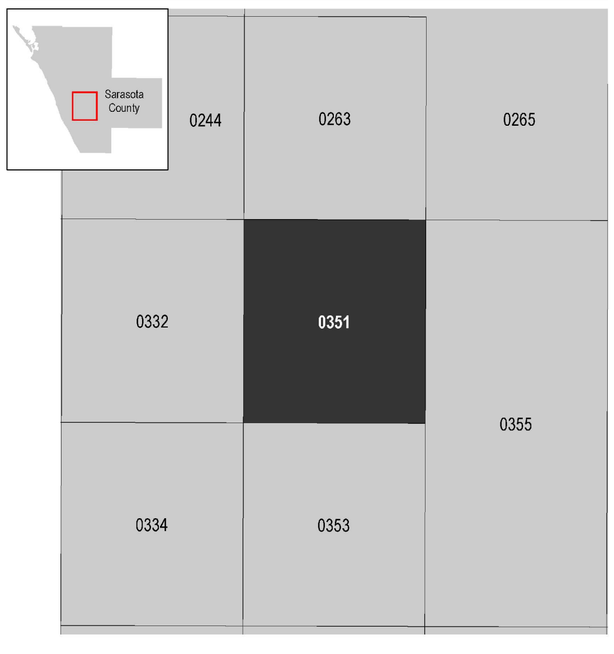
Map Projection:
HARN State Plane Transverse Mercator, Florida West Zone 0902H; North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

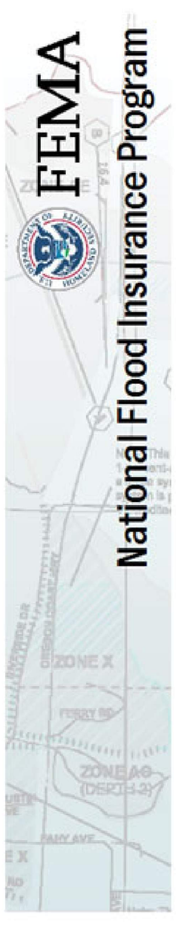
1 inch = 500 feet 1:6,000

0 250 500 750 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR





NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SARASOTA COUNTY, FLORIDA
and Incorporated Areas

PANEL 351 OF 475

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
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VENICE, CITY OF	125154	0351	G

VERSION NUMBER
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MAP NUMBER
12115C0351G

MAP REVISED
MARCH 27, 2024

Appendix B – Floodplain Level of Service Report

LEVEL OF SERVICE

REPORT



Venice, FL
City on the Gulf

Prepared For:

401 West Venice Ave
Venice, FL 34285

Prepared By:

Registry No. 35106
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Sarasota, FL 34236
(941) 379-7600
KH Project No. 148402027

Professional Engineer Certification

Floodplain Level of Service Report

Project: City of Venice Stormwater Master Plan Update

I hereby certify that I am a registered professional engineer in the State of Florida practicing with Kimley-Horn and Associates Inc., and that I have prepared or approved the evaluation, findings, opinions, conclusions, or technical advice for this project.

_____

MOLLY CHARLENE WILLIAMS, P.E. # 54281
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Sarasota, Florida 34236
Registry No. 35106

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1.0 Project Background

Kimley-Horn was contracted by the City of Venice in May of 2024 to provide services to update the City's Stormwater Master Plan. The City's current stormwater master plan was adopted in 1994 and has been operationally updated for the past 30 years. Updating the City's Stormwater Master Plan will account for the growth of the area, environmental changes, and updates to regulatory requirements for stormwater design.

This report details the analysis of flooding that affects civil infrastructure, including various roadways, within the city limits. The analysis provides the basis of recommendations for the floodplain level of service (FPLOS) program in the City of Venice Stormwater Master Plan Update.

The City of Venice is primarily in four (4) major watershed basins: Dona Bay, Roberts Bay, the Island of Venice, and the Lower Myakka. Only a small portion of the most northeastern part of the city limits is in the Lower Myakka watershed, which mostly consists of recently developed areas. Therefore, Dona Bay, Roberts Bay, and the Island of Venice watersheds were the primary focus for this analysis.

2.0 Methodology

The City of Venice does not currently have an adopted FPLOS, so Sarasota County standards were used as a guide for the FPLOS analysis. **Table 1** summarizes Sarasota County's level of service goals for buildings, roads, and sites.

Table 1: *Sarasota County Stormwater Quantity Level of Service*

Florida Reference (Buildings, Roads, and Sites)	Level of Service (Flood Interval in Years)
Buildings	
Emergency Shelters and Essential Services	>100
Habitable Building	100
Employment/Service Centers	100
Road Access*	
Evacuation	>100
Arterials	100
Collectors	25
Neighborhood	10

*Roads shall be passable during flooding. Roadway flooding <6" depth at the outside edge of pavement is considered passable.

2.1 Existing Data

An existing conditions model (ECM) was provided by the City using Interconnected Channel and Pond Routing, Version 4 (ICPR4) for the three watersheds that are analyzed in this report. These models simulate existing hydrologic conditions in each minor basin, represented by user-input hydrologic and hydraulic parameters, such as nodes, links, and basins. The models simulate the 100-year 24-hour, 25-year 24-hour, and 10-year 24-hour design storm events. Model outputs provide the maximum node stage (in the NAVD88 Datum) for each basin.

The City of Venice has expanded in the past 30 years. The City has completed Capital Improvements to reduce standing water in the flood prone areas of existing roads. Development construction occurring after 2018 is not captured in the new topographic data and, in some cases, neither in the stormwater models.

The City of Venice provided Kimley-Horn with an up-to-date GIS layer containing the City's roadways, along with each street's associated class type, and the maintenance entity responsible for upkeep. For the purposes of this study, only publicly owned roads were evaluated. Please see **A-1 Road Classification Map** for graphic representation of the roadway classifications and **A-2 Road Maintenance Map** in **Appendix A** for graphic representation of maintenance responsibilities. See **Table 2** below for a description of each roadway classification type present within the study area according to the Census Feature Class Codes (CFCC).

***Table 2**: CFCC Roadway Classification Descriptions*

Classification	Description
A15	Primary road with limited access or interstate highway, separated
A20	Primary road without limited access, U.S. and State highway, major category used alone when the minor category could not be determined
A30	Secondary and connecting road, State and county highways, major category used alone when the minor category could not be determined
A40	Local, neighborhood, and rural road, city street, major category used alone when the minor category could not be determined
A63	Access ramp, the portion of a road that forms a cloverleaf or limited access interchange
A64	Service drive, the road or portion of a road that provides access to businesses, facilities, and rest areas along a limited access highway, this frontage road may intersect other roads and be named
A73	Alley, road for service vehicles, usually unnamed, located at the rear of buildings and property
A74	Driveway or service road, usually privately owned and unnamed, used as access to residences, trailer parks, and apartment complexes, or as access to logging areas, oil rigs, ranches, farms, and park lands

2.2 Topographic Data

The floodplain analysis detailed within this report utilizes the 2018 Statewide Florida Peninsular FDEM D19 DRRA LiDAR as the primary source of elevation data. This data was downloaded from the USGS LiDAR Explorer Website and was developed in the North American Vertical Datum of 1988 (NAVD88). All elevations included in this report are in the NAVD88 unless otherwise noted. For a visual of the 2018 LiDAR for the City of Venice in the NAVD88 datum please see **A-3 Topography Map** in **Appendix A.**

2.3 Flood Depth Calculations

The 100-Year 24-Hour Floodplain was used to identify roadways that could potentially have flooding impacts. Please see **B-1 100-Year 24-Hour Floodplain Map in Appendix B** for a visual representation of the areas lying within the 100-year 24-hour floodplain. Roadways were evaluated for flooding during the 100-year 24-hour, 25-year 24-hour, and 10-year 24-hour design storm events.

To calculate the flood depth of the roadways, the maximum stage for each basin in the ICPR4 model was exported as a .csv file and spatially joined to the subbasin shapefile in ArcGIS Pro. To determine the depth of flooding for each road, the difference between the peak stage elevation and the existing ground elevation of the roadways (from the 2018 LiDAR) was calculated. A raster was then created based on the calculated flood depth off roadways for the 100-year 24-hour, 25-year 24-hour, and 10-year 24-hour design storm events. Values less than or equal to zero were omitted, as negative values indicate zero flooding.

Flood depth rasters were created and used to identify roadway segments with a flood depth of 3 inches or greater during each of the design storm events. Any flooding depth values less than 3 inches were deemed as negligible impacts. Flood depth rasters were also used to identify flood prone areas with a flood depth greater than 1 foot. Maps of the identified flood prone areas were created to provide a visual aid for identifying roads experiencing significant flooding. Please see **Appendix C** for maps of flooding depths greater than 3 inches and greater than 1 foot within City Limits for each design storm event (100-year 24-hour, 25-year 24-hour, and 10-year 24-hour design storm events).

Calculations comparing the difference in elevation between the USGS 2018 LiDAR and the ICPR4 model peak stages were performed to determine the average depth of flooding for each flooded roadway segment, in each storm event. It is important to note that this analysis was done for the entire cross section of the roadway and was not limited to the edge of pavement. The majority of the significant flooding on the roadways is concentrated at the edge of pavement of each roadway, while depth of flooding at the crown is 2 to 3 inches less than at the edge of pavement. In order to capture the roads with greater than 6 inches of flooding at the edge of pavement, a selection criterion of average flooding greater than 3 inches was used, since the average values are lowered by including the total cross section. Using the same methodology, a selection criterion of average flooding greater than 9 inches was used to identify areas experiencing greater than 1 foot of flooding at the edge of pavement. These areas experiencing greater than a foot of flooding were identified to delineate roadways experiencing the most severe cases on inundation. Roadways within the floodplain are listed in the tables below. The roads with average flooding greater than 9” in a given storm event are considered to have Flood Plain Level of Service (FPLOS) deficiencies and are signified by an “X” in the tables included in the following sections of the report.

Publicly maintained roads that intersect the 100-year 24-hour, 25-year 24-hour, and 10-year 24-hour floodplains within each watershed (Island of Venice, Roberts Bay, and Dona Bay) are listed in the following charts below. Each list of roadway segments in each watershed are separated by maintenance entity (City, County, and FDOT). Many roads have designations to multiple different maintenance entities, so the maintenance entity that is responsible for the most length of the road was assigned the roadway in the charts below. All privately owned roads are not included in this analysis. County and State roads are included in this report to document flooding within the City limits.

2.4 Roads Excluded in Analysis

Refer to **Appendix D** for a list of the roadways that are not located in the 100-year 24-hour design storm floodplains. These roadways are excluded from this analysis. Also excluded from this analysis are the roadways that were recently constructed and not represented in the 2018 LiDAR. See **Appendix D** for this list of new construction roadways excluded from analysis.

3.0 Island of Venice

The Island of Venice experiences flooding during major storm events. Within the Island of Venice Watershed, there are roughly 146 roadways, including public and private roads, subject to varying depths of flooding depending on the design storm event. The tables below only include public roads.

3.1 City Maintenance

Of the roadways maintained by the City of Venice in the Island of Venice Watershed, there are nine (9) roadway segments that have FPLOS deficiencies during the 10-year 24-hour design; fifteen (15) roadway segments have FPLOS deficiencies during the 25-year 24-hour design storm; and twenty-two (22) roadway segments have FPLOS deficiencies during the 100-year 24-hour design storm.

Table 3: *Level of Service Results for City-maintained Roads in Island of Venice Basin*

Classification	Road	10-Year	25-Year	100-Year
A40	Calle Central			
A73	Calle Laescuela			
A40	Alba St E			
A40	Alba St W			

Classification	Road	10-Year	25-Year	100-Year
A40	Alhambra Rd	X	X	X
A40	American Legion Way			
A40	Amora Ave			
A40	Apalachicola Rd			
A40	Armada Rd N		X	X
A40	Armada Rd S			X
A40	Aurora St E			
A40	Aurora St W			
A40	Avenue Des Parques N			
A40	Avenue Des Parques S			
A40	Bahama St			
A40	Barcelona Ave	X	X	X
A40	Barbara Dr			
A40	Base Ave E			
A40	Baycrest Dr			
A40	Bayshore Dr			
A40	Cadiz Rd	X	X	X
A40	Calle de Oro			X
A40	Castile St			
A40	Church St			
A40	Cockrill St			
A40	Cooper St			
A40	Darling Dr			
A40	El Dorado Dr			
A40	Fairway Dr			
A40	Field Ave E			
A40	Fiesole St			
A40	Firenze Ave W			
A40	Florida St			
A40	Fort St			
A40	Galleon St			X
A40	Gardenia Dr			
A40	Golden Beach Blvd			
A40	Golf Dr			
A40	Granada Ave			
A40	Guild Dr	X	X	X
A40	Gulf Dr			
A40	Gulf St			

Classification	Road	10-Year	25-Year	100-Year
A40	Hibiscus Dr			
A40	Hunter Dr			X
A40	Indian Ave			
A40	Inlet Cir			
A40	Laguna Dr			
A40	Lisbon St			
A40	Madrid Ave	X	X	X
A40	Maggiore Rd			
A40	Mahon Dr			
A40	Matanzas St	X	X	X
A40	Menendez St			
A40	Miami Ave E			
A40	Miami Ave W			
A40	Milan Ave E			
A40	Milan Ave W			
A40	Narvaezi St			
A40	Nassau St N			
A40	Nassau St S			
A40	Nokomis Ave N			
A40	Nokomis Ave S			
A40	Ocala St			
A40	Orlando St			
A40	Ormond St		X	X
A40	Palermo Pl			
A40	Palmetto Ct			
A40	Park Blvd N			X
A40	Park Blvd S			
A40	Park Dale Dr	X	X	X
A40	Park Lane Dr			
A40	Parkside Dr	X	X	X
A40	Pedro St			
A40	Pensacola Rd			
A40	Piazza Di Luna		X	X
A40	Pine Grove Dr			
A40	Plaza Mayor			
A40	Poinsettia Dr			
A40	Ponce De Leon Ave			
A40	Ravenna St			X
A40	Ringling Dr			

Classification	Road	10-Year	25-Year	100-Year
A40	Riviera St			
A40	Saint Augustine Ave			
A40	Salerno St			
A40	Santa Maria St			
A40	Sarasota St			
A40	Serata St			
A40	Seaboard Ave			
A40	Shore Rd			
A40	Sovrano Rd			
A40	Sunset Dr			
A40	Tampa Ave E			
A40	Tampa Ave W			
A40	Tarpon Center Dr			
A40	Tarpon St			
A40	The Corso			
A40	The Esplanade N		X	X
A40	The Esplanade S	X	X	X
A40	The Rialto			
A40	Turin St W			
A40	Valencia Rd			
A40	Venezia Pkwy			
A40	Villas Dr			
A40	W Venice Ave			
A40	West Gate Dr			X
A40	San Marco Dr			
A40	Spur St		X	X
A40	Sorrento St			
A40	Verona St		X	X

3.2 Sarasota County Maintenance

Of the roadways maintained by Sarasota County in the Island of Venice Watershed, no roadway segments have FPLOS deficiencies during the 10-year 24-hour, 25-year 24-hour, or the 100-year 24-hour design storm.

Table 4: *Level of Service Results for County-maintained Roads in Island of Venice Basin*

Classification	Road	10-Year	25-Year	100-Year
A40	Airport Ave E			
A40	Airport Ave W			
A40	Avenida del Circo			
A40	Harbor Dr S			

3.3 FDOT Maintenance

Of the roadways maintained by FDOT in the Island of Venice Watershed, no roadway segments have FPLOS deficiencies during the 10-year 24-hour, 25-year 24-hour, or the 100-year 24-hour design storm.

Table 5: *Level of Service Results for State-maintained Roads in Island of Venice Basin*

Classification	Road	10-Year	25-Year	100-Year
A20	S Tamiami Trl			

4.0 Roberts Bay

Roberts Bay covers the area east of the intracoastal, making up a large portion of the City of Venice. Within the Roberts Bay Watershed, there are roughly 142 roadways, including public and private roads, subject to varying depths of flooding depending on the design storm event. The tables below only include public roads

4.1 City of Venice Maintenance

Of the roadways maintained by the City of Venice in the Roberts Bay Watershed, two (2) roadway segments have FPLOS deficiencies during the 10-year 24-hour design; five (5) roadway segments have FPLOS deficiencies during the 25-year 24-hour design storm; and six (6) roadway segments have FPLOS deficiencies during the 100-year 24-hour design storm.

Table 6: *Level of Service Results for City-maintained Roads in Roberts Bay Basin*

Classification	Road	10-Year	25-Year	100-Year
A40	Bird Bay Dr W			
A40	Bird Bay Dr S			
A40	Brookside Dr			

Classification	Road	10-Year	25-Year	100-Year
A73	Calle Del Sol			
A40	Country Club Way		X	X
A40	Cypress Ave	X	X	X
A40	E Lucaya Ave			
A40	East Gate Dr			
A40	Edmondson Rd			
A40	Elaine St	X	X	X
A40	Featherbed Ln			
A40	Fir Ave			
A40	Grove St N			
A40	Grove St S			
A40	Groveland Ave		X	X
A40	Gulf Coast Blvd			
A40	Hope St			
A40	Karen Dr			X
A40	Laurel Ave		X	X
A40	Lillian St			
A40	Live Oak St			
A40	Mango Ave			
A40	Paradise Way			
A40	Pine Needle Rd			
A40	Pinebrook Way			
A40	Pineland Ave			
A40	Poplar Ave			
A40	Ridgewood Ave			
A40	Roberta St			
A40	Schooner Ln			
A40	Sleepy Hollow Rd			
A40	Strada D Argento			
A40	Strada D Oro			
A40	Venetian Pkwy			
A40	W Lucaya Ave			
A40	Warfield Ave N			
A40	Warfield Ave S			
A40	Waterside Ln			
A40	White Pine Tree Rd			

4.2 Sarasota County Maintenance

Of the roadways maintained by Sarasota County in the Roberts Bay Watershed, one (1) roadway segment has FPLOS deficiencies during the 10-year 24-hour design; four (4) roadway segments have FPLOS deficiencies during the 25-year 24-hour design storm; and five (5) roadway segments have FPLOS deficiencies during the 100-year 24-hour design storm.

Table 7: *Level of Service Results for County-maintained Roads in Roberts Bay Basin*

Classification	Road	10-Year	25-Year	100-Year
A40	1st Ave		X	X
A40	2nd St		X	X
A30	Albee Farm Rd			
A40	Border Rd			
A40	Colonia Ln E			
A30	E Venice Ave			X
A40	Fox Lea Dr			
A40	Frederick Dr			
A40	Home Park Rd	X	X	X
A30	Jacaranda Blvd			
A40	Myrtle Ave		X	X
A40	N Auburn Rd			
A40	N Clermont Rd			
A30	Pinebrook Rd			

4.3 FDOT Maintenance

Of the roadways maintained by FDOT in the Roberts Bay Watershed, no roadway segments have FPLOS deficiencies during the 10-year 24-hour, 25-year 24-hour, or the 100-year 24-hour design storm.

Table 8: *Level of Service Results for State-maintained Roads in Roberts Bay Basin*

Classification	Road	10-Year	25-Year	100-Year
A20	N I75			
A20	S I75			
A20	US 41 Bypass N			

5.0 Dona Bay

Dona Bay covers a smaller area by the northeastern corner of the City of Venice. The area within the Dona Bay watershed has undergone extensive development in the past several years. As such, this area consists of many roads which have been recently constructed, and an accurate LOS cannot be determined for these roads since data for the 2018 LIDAR was collected prior to construction of many of the developments. Any roads constructed since 2018 could not be evaluated in the flood depth calculations. However, recently constructed roads should be designed to meet current stormwater standards and criteria and not experience any consequential flooding. Please refer to **Appendix D** for a list of roadways constructed after 2018.

Within the Dona Bay Watershed, there are roughly 40 roadways, including public and private roads, subject to varying depths of flooding depending on the design storm event. The tables below only include public roads.

5.1 City of Venice Maintenance

Of the roadways maintained by the City of Venice in the Dona Bay Watershed, no roadway segments have FPLOS deficiencies during the 10-year 24-hour, 25-year 24-hour, or the 100-year 24-hour design storm.

Table 9: *Level of Service Results for City-maintained Roads in Roberts Bay Basin*

Classification	Road	10-Year	25-Year	100-Year
A40	Bluegrass Ct			
A40	Hostetler Ct			
A40	Morse Ct			
A40	Triple Diamond Blvd			

5.2 Sarasota County Maintenance

Of the roadways maintained by Sarasota County in the Dona Bay Watershed, no roadway segments have FPLOS deficiencies during the 10-year 24-hour, 25-year 24-hour, or the 100-year 24-hour design storm.

Table 10: *Level of Service Results for County-maintained Roads in Roberts Bay Basin*

Classification	Road	10-Year	25-Year	100-Year
A30	Honore Ave			

6.0 Conclusion

Initially, the Sarasota County standards were used as a guide for the FPLOS analysis within the City of Venice. **Table 1** summarizes Sarasota County's level of service goals for buildings, roads, and sites.

Roadways within the City of Venice were evaluated for flood risk based on a depth of flooding analysis using the peak stages calculated by the ICPR4 stormwater models in the Island of Venice, Roberts Bay and Dona Bay Watershed Models for the 100-year 24-hour, 25-year 24-hour, and 10-year 24-hour design storm events compared to the 2018 LiDAR.

To determine the depth of flooding for each road, the difference between the peak stage elevation and the existing ground elevation (from the 2018 LiDAR) was calculated. ArcPro GIS was used to calculate and create a flood depth raster based on the previously mentioned comparison. Values less than or equal to zero were omitted, as negative values indicate zero flooding.

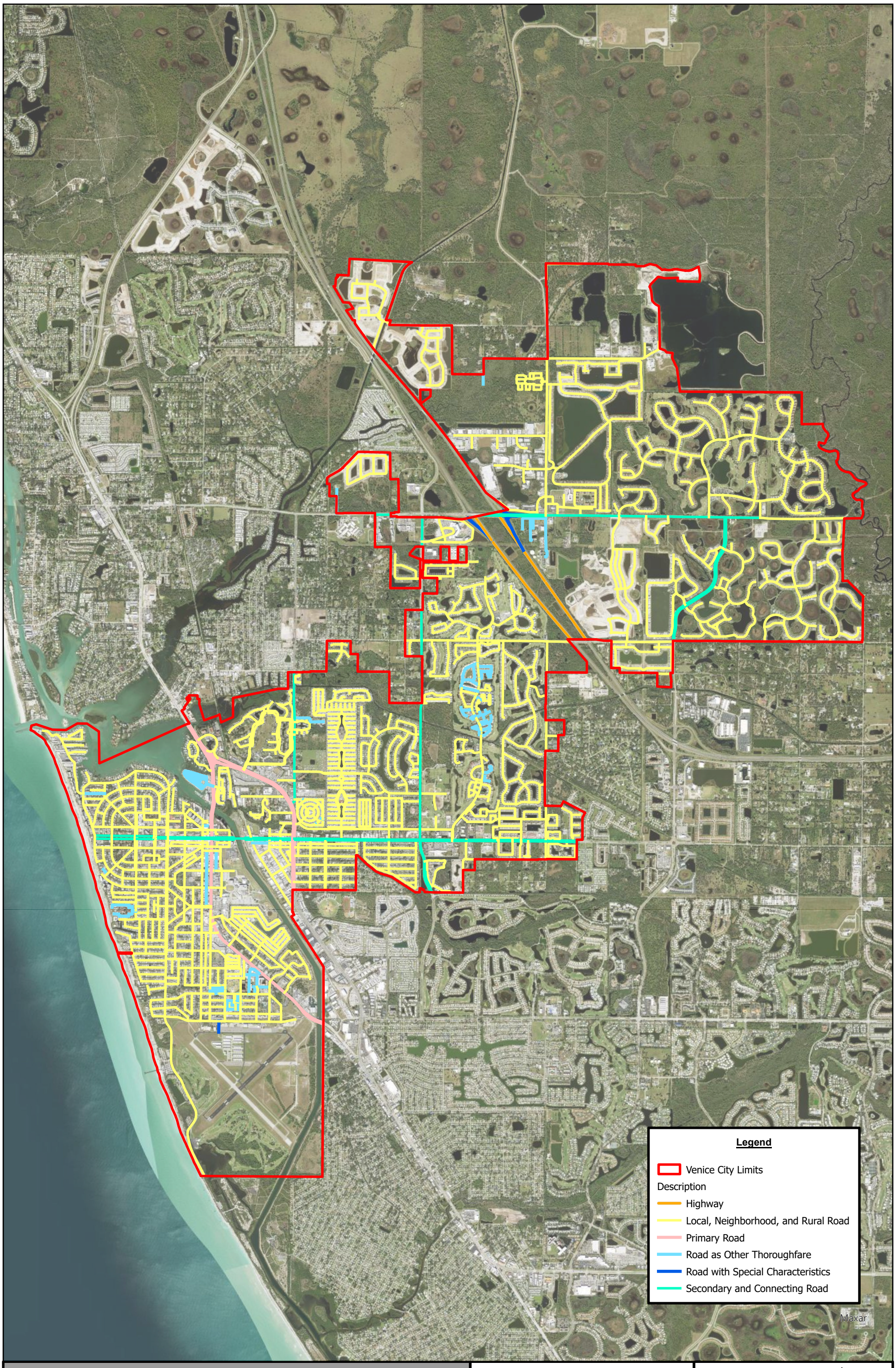
Flood depth rasters were created and used to identify roadway segments with an average flood depth of 3 inches and for average flood depths greater than one (1) foot during each of the design storm events. Any flooding depth values less than 3 inches are negligible impacts. The depth analysis data will be used in identifying the fifteen potential projects for Task 3. A roadway at risk of flooding is one that had an average flooding depth exceeding 9" in a given design storm.

Of the roadways maintained by the City of Venice, there is a total of eleven (11) roadway segments have FPLOS deficiencies during the 10-year 24-hour design; twenty (20) roadway segments have FPLOS deficiencies during the 25-year 24-hour design storm; and twenty-eight (28) roadway segments have FPLOS deficiencies during the 100-year 24-hour design storm in the Island of Venice and Roberts Bay Watersheds. There are no roads at risk of flooding based on the flood depth analysis in the Dona Bay Watershed.

In the City of Venice, it is recommended to use the Sarasota County Level of Service as a guide for analysis because there are County maintained roads within the City of Venice. It is not necessary for the City of Venice to adopt a FPLOS. The City of Venice can determine the need for a capital improvement project to address flood prone areas on a case-by-case basis.

A-1 Road Classification Map
A-2 Road Maintenance Designation Map
A-3 Watershed Map
A-4 Topography Map

Appendix A – City of Venice Data



ROAD CLASSIFICATION MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

A-1

Legend

- Venice City Limits

Maintenance

- County Maintenance
- County, Not Maintained
- City of Venice
- Private
- State

Maxar

ROAD MAINTENANCE MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

A-2

Dona Bay

Lower Myakka

Roberts Bay Coastal Fringe

Roberts Bay

Island of Venice

Lemon Bay Coastal Fringe

Legend

- Venice City Limits
- Lemon Bay Coastal Fringe
- Roberts Bay Coastal Fringe
- Dona Bay
- Roberts Bay
- Lower Myakka
- Island of Venice

Maxar

WATERSHED MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE OCTOBER 2024

0 2,000 4,000 Feet

N

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A-3

Legend

Venice City Limits

2018 LIDAR Elevation (NAVD88, Feet)

Value

21.8

0.47

Maxar

TOPOGRAPHY MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

0 2,000 4,000 Feet

N

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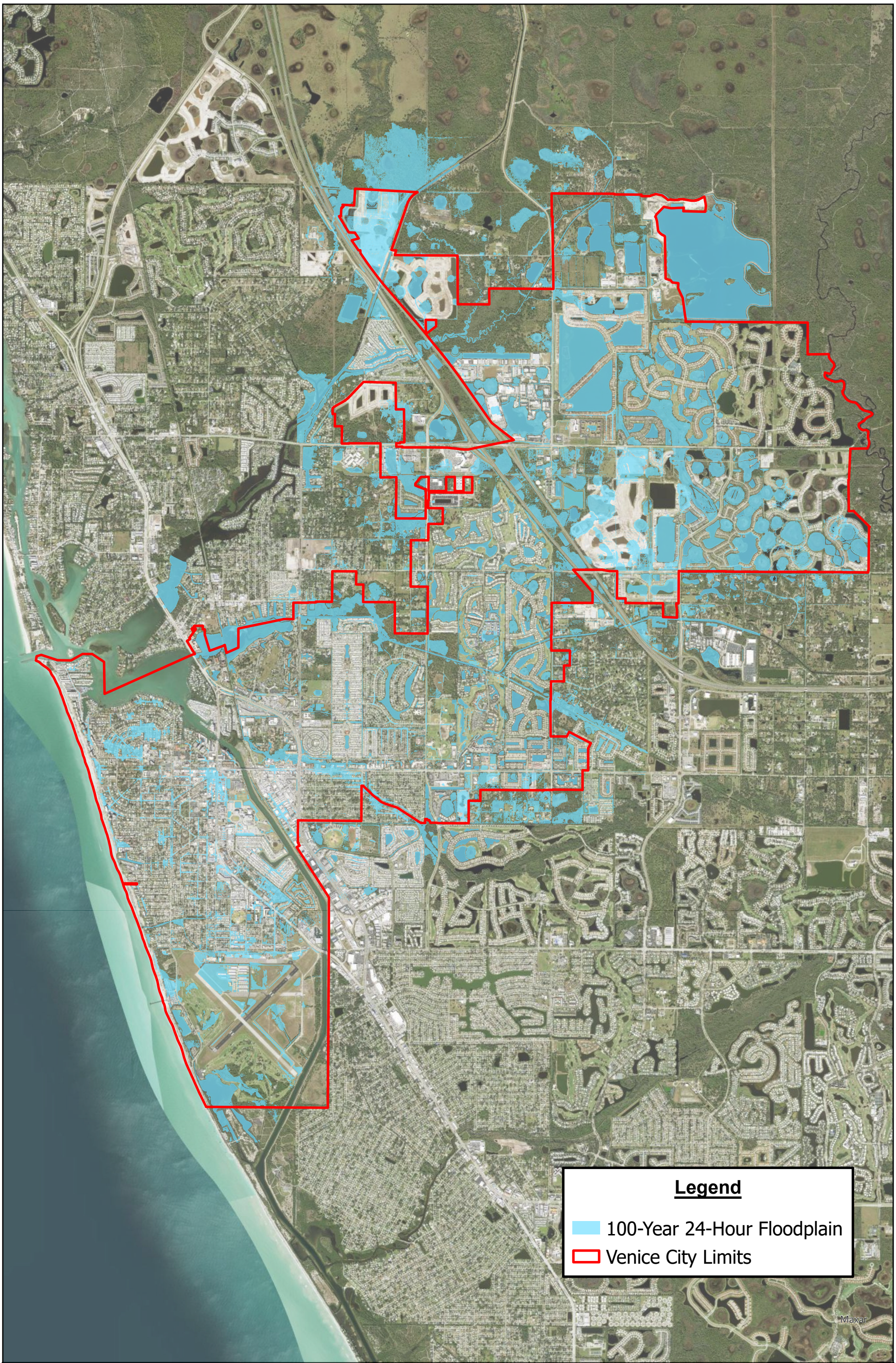
A-4

B-1 100-Year 24-Hour Floodplain Map

B-2 25-Year 24-Hour Floodplain Map

B-3 10-Year 24-Hour Floodplain Map

Appendix B – Floodplain Maps



100-YEAR 24-HOUR FLOODPLAIN MAP

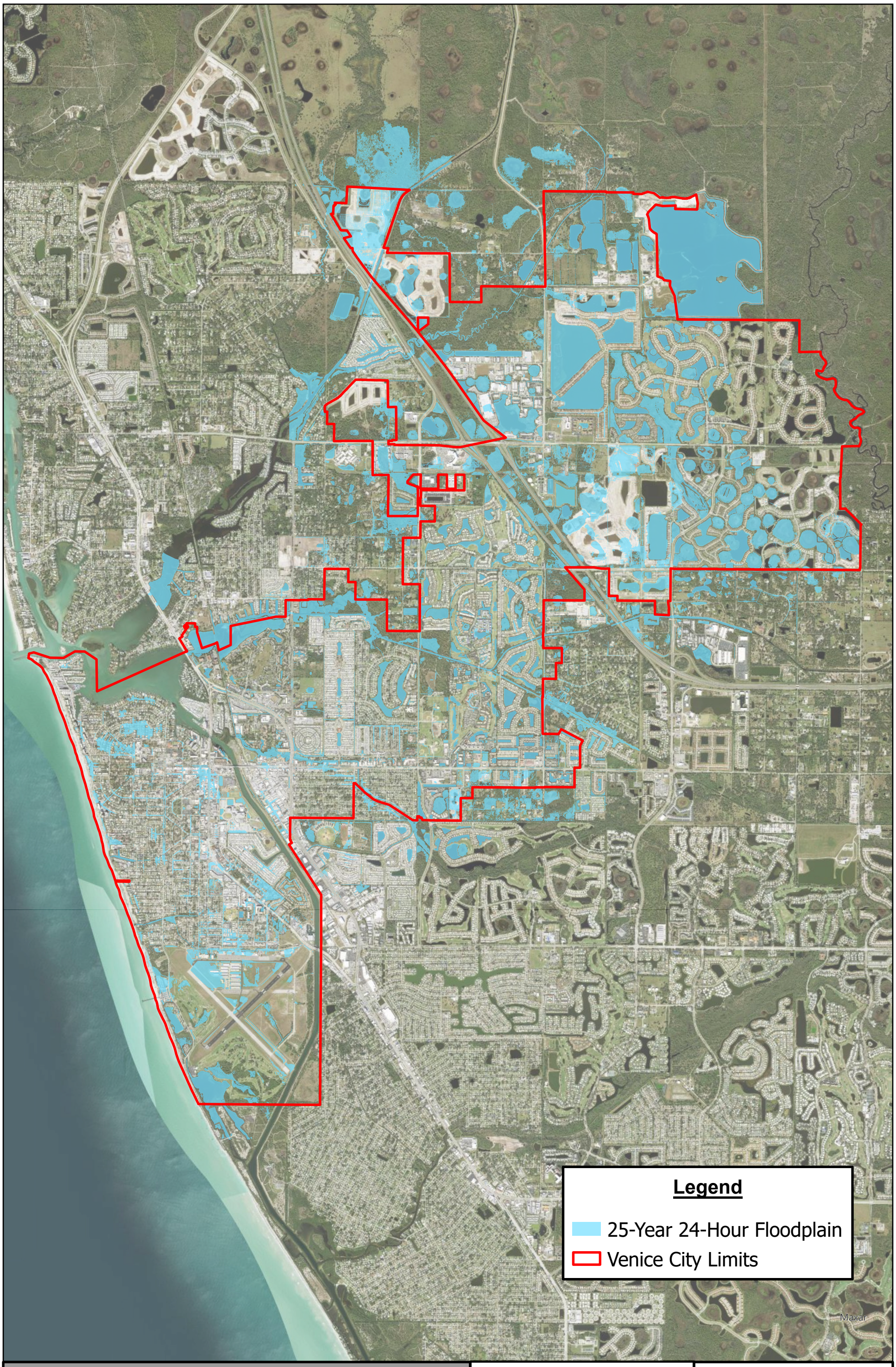
CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

Kimley»Horn

B-1



25-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

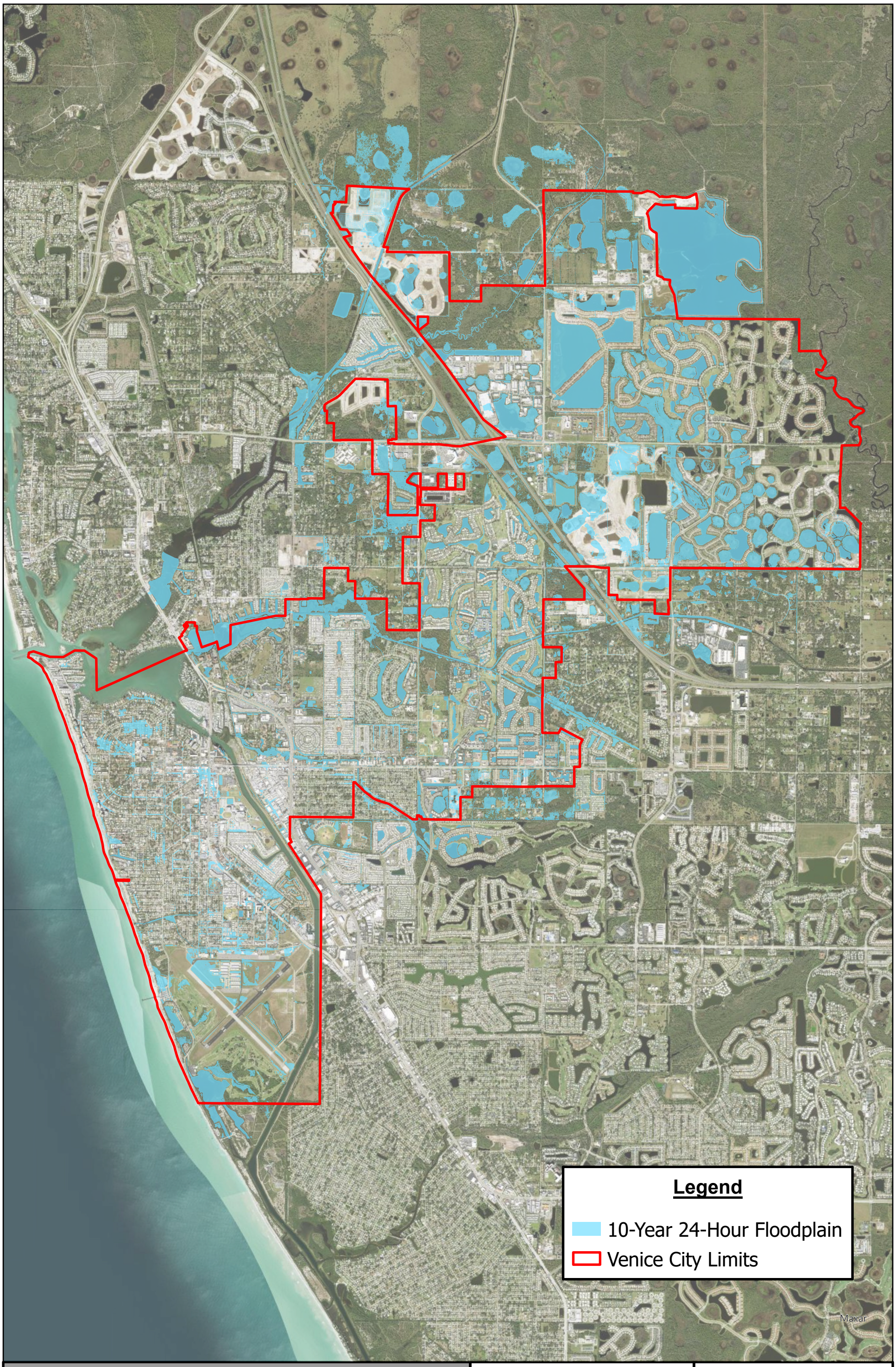
OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

B-2



10-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

B-3

C-1 Flooding Depth Data Averages

Island of Venice

C-2 IOV 100-Year Storm Flooding Depth Greater Than 3 Inches

C-3 IOV 25-Year Storm Flooding Depth Greater Than 3 Inches

C-4 IOV 10-Year Storm Flooding Depth Greater Than 3 Inches

C-5 IOV 100-Year Storm Flooding Depth Greater Than 1 Foot

C-6 IOV 25-Year Storm Flooding Depth Greater Than 1 Foot

C-7 IOV 10-Year Storm Flooding Depth Greater Than 1 Foot

Roberts Bay

C-8 RB 100-Year Storm Flooding Depth Greater Than 3 Inches

C-9 RB 25-Year Storm Flooding Depth Greater Than 3 Inches

C-10 RB 10-Year Storm Flooding Depth Greater Than 3 Inches

C-11 RB 100-Year Storm Flooding Depth Greater Than 1 Foot

C-12 RB 25-Year Storm Flooding Depth Greater Than 1 Foot

C-13 RB 10-Year Storm Flooding Depth Greater Than 1 Foot

Dona Bay

C-14 DB 100-Year Storm Flooding Depth Greater Than 3 Inches

C-15 DB 25-Year Storm Flooding Depth Greater Than 3 Inches

C-16 DB 10-Year Storm Flooding Depth Greater Than 3 Inches

C-17 DB 100-Year Storm Flooding Depth Greater Than 1 Foot

C-18 DB 25-Year Storm Flooding Depth Greater Than 1 Foot

C-19 DB 10-Year Storm Flooding Depth Greater Than 1 Foot

Appendix C – Flooding Depth Data

Flooding Depth Data Averages

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Island of Venice					
Road	Class	Maintenance	Flooding Depth Average (ft)		
			10-YR 24-HR	25-YR 24-HR	100-YR 24-HR
Calle Central	A40	CV	0.47	0.49	0.52
Calle Laescuela	A73	CV	0.78	0.84	0.95
Alba St E	A40	CV	0.41	0.41	0.41
Alba St W	A40	CV	0.31	0.32	0.33
Alhambra Rd	A40	CV	0.71	0.75	0.79
American Legion Way	A40	CV	0.40	0.43	0.47
Amora Ave	A40	CV	0.36	0.39	0.46
Apalachicola Rd	A40	CV	0.50	0.51	0.54
Armada Rd N	A40	CV	0.68	0.78	0.86
Armada Rd S	A40	CV	0.61	0.66	0.79
Aurora St E	A40	CV	0.33	0.35	0.38
Aurora St W	A40	CV	0.33	0.34	0.35
Avenue Des Parques N	A40	CV	0.29	0.32	0.36
Avenue Des Parques S	A40	CV	0.33	0.34	0.36
Bahama St	A40	CV	0.36	0.39	0.44
Barcelona Ave	A40	CV	0.78	0.83	0.97
Barbara Dr	A40	CV	0.28	0.30	0.33
Base Ave E	A40	CV	0.37	0.38	0.40
Baycrest Dr	A40	CV	0.00	0.31	0.59
Bayshore Dr	A40	CV	0.46	0.51	0.60
Cadiz Rd	A40	CV	1.10	1.22	1.39
Calle de Oro	A40	CV	0.65	0.71	0.79
Castile St	A40	CV	0.64	0.65	0.70
Church St	A40	CV	0.61	0.64	0.61
Cockrill St	A40	CV	0.33	0.34	0.36
Cooper St	A40	CV	0.49	0.50	0.52
Darling Dr	A40	CV	0.33	0.35	0.39
El Dorado Dr	A40	CV	0.00	0.00	0.00
Field Ave E	A40	CV	0.29	0.30	0.41
Fiesole St	A40	CV	0.35	0.38	0.44
Firenze Ave W	A40	CV	0.46	0.48	0.55
Florida St	A40	CV	0.00	0.00	0.47
Fort St	A40	CV	0.52	0.53	0.54
Galleon St	A40	CV	0.62	0.69	0.81
Gardenia Dr	A40	CV	0.37	0.33	0.47
Golden Beach Blvd	A40	CV	0.36	0.39	0.43
Golf Dr	A40	CV	0.44	0.51	0.65
Granada Ave	A40	CV	0.57	0.64	0.67
Guild Dr	A40	CV	0.95	0.97	0.98
Gulf Dr	A40	CV	0.00	0.00	0.00
Gulf St	A40	CV	0.49	0.51	0.52
Hibiscus Dr	A40	CV	0.33	0.39	0.48
Inlet Cir	A40	CV	0.41	0.42	0.44
Laguna Dr	A40	CV	0.50	0.57	0.67
Lisbon St	A40	CV	0.49	0.48	0.57
Madrid Ave	A40	CV	0.92	0.90	1.00
Maggiore Rd	A40	CV	0.40	0.44	0.46
Mahon Dr	A40	CV	0.44	0.39	0.37
Fairway Dr	A40	CV	0.33	0.35	0.36
Matanzas St	A40	CV	1.55	1.76	2.03
Menendez St	A40	CV	0.35	0.35	0.35
Hunter Dr	A40	CV	0.52	0.62	0.74
Miami Ave E	A40	CV	0.53	0.62	0.71
Miami Ave W	A40	CV	0.55	0.60	0.66
Milan Ave E	A40	CV	0.33	0.34	0.37
Indian Ave	A40	CV	0.33	0.35	0.39
Milan Ave W	A40	CV	0.35	0.37	0.39
Narvaezi St	A40	CV	0.55	0.59	0.72
Nassau St N	A40	CV	0.32	0.36	0.40
Nassau St S	A40	CV	0.39	0.40	0.42
Nokomis Ave N	A40	CV	0.00	0.33	0.41
Nokomis Ave S	A40	CV	0.51	0.56	0.60
Ocala St	A40	CV	0.44	0.48	0.55
Orlando St	A40	CV	0.30	0.33	0.38
Ormond St	A40	CV	0.62	1.24	1.27
Palermo Pl	A40	CV	0.39	0.41	0.43

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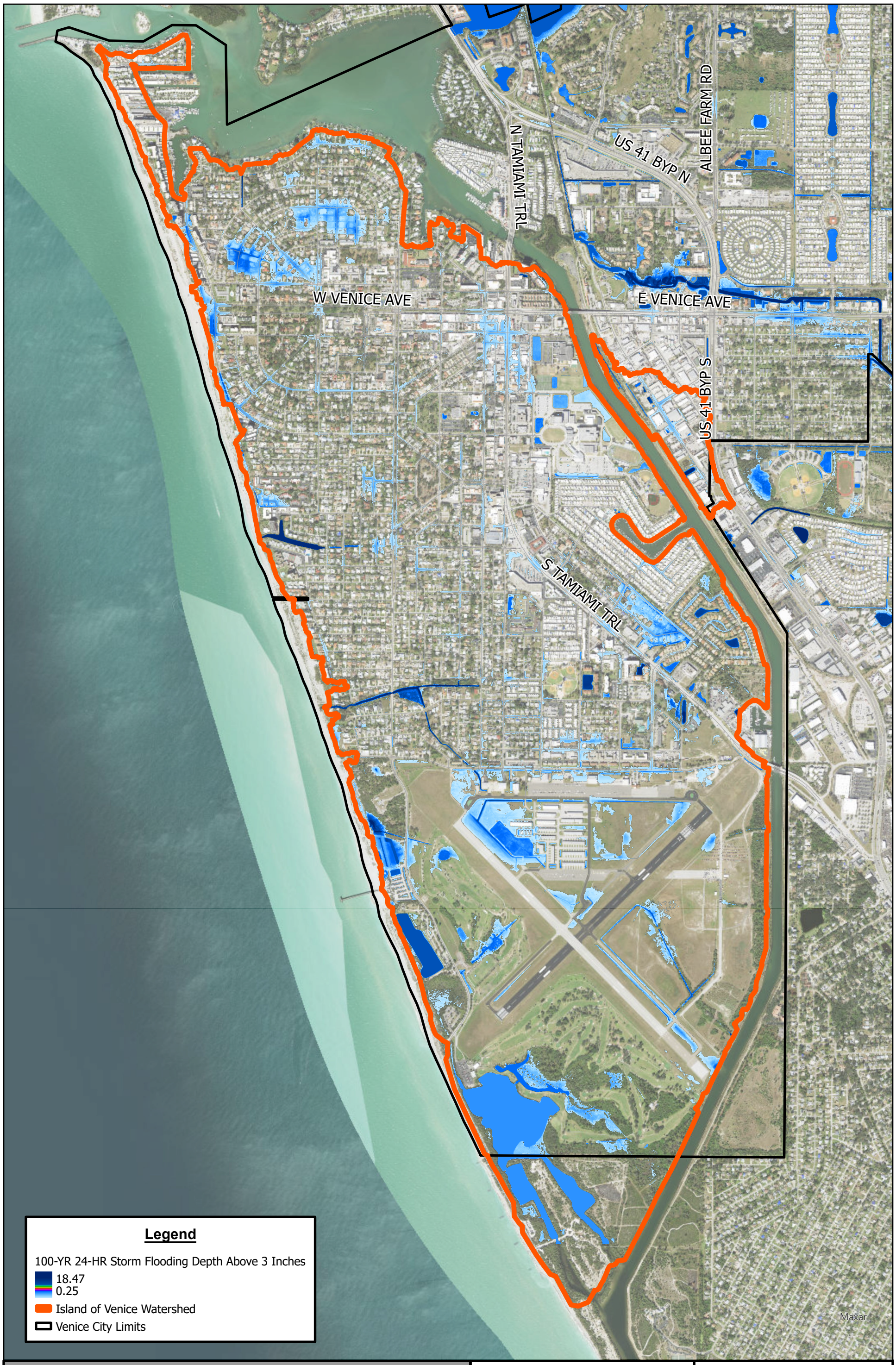
Road	Class	Maintenance	Flooding Depth Average (ft)		
			10-YR 24-HR	25-YR 24-HR	100-YR 24-HR
Palmetto Ct	A40	CV	0.34	0.37	0.39
Park Blvd N	A40	CV	0.60	0.64	0.73
Park Blvd S	A40	CV	0.43	0.46	0.52
Park Dale Dr	A40	CV	0.95	1.02	1.12
Park Lane Dr	A40	CV	0.37	0.36	0.36
Parkside Dr	A40	CV	1.26	1.31	1.39
Pedro St	A40	CV	0.32	0.32	0.34
Pensacola Rd	A40	CV	0.39	0.42	0.48
Piazza Di Luna	A40	CV	0.72	0.79	0.88
Plaza Mayor	A40	CV	0.29	0.30	0.31
Poinsettia Dr	A40	CV	0.00	0.00	0.39
Ponce De Leon Ave	A40	CV	0.39	0.42	0.46
Ravenna St	A40	CV	0.63	0.72	0.90
Ringling Dr	A40	CV	0.35	0.35	0.38
Riviera St	A40	CV	0.58	0.58	0.60
Saint Augustine Ave	A40	CV	0.00	0.33	0.52
Salerno St	A40	CV	0.36	0.37	0.37
Santa Maria St	A40	CV	0.37	0.35	0.42
Sarasota St	A40	CV	0.35	0.36	0.39
Serata St	A40	CV	0.64	0.68	0.72
Seaboard Ave	A40	CV	0.52	0.62	0.67
Shore Rd	A40	CV	0.00	0.00	0.28
Sovrano Rd	A40	CV	0.39	0.42	0.46
Sunset Dr	A40	CV	0.46	0.44	0.45
Tampa Ave E	A40	CV	0.37	0.41	0.48
Tampa Ave W	A40	CV	0.40	0.41	0.42
Tarpon Center Dr	A40	CV	0.32	0.36	0.49
The Corso	A40	CV	0.68	0.71	0.70
The Esplanade N	A40	CV	0.67	0.97	1.32
The Esplanade S	A40	CV	1.02	1.38	1.66
The Rialto	A40	CV	0.41	0.46	0.58
Turin St W	A40	CV	0.36	0.38	0.38
Valencia Rd	A40	CV	0.33	0.36	0.42
Venezia Pkwy	A40	CV	0.35	0.34	0.35
Villas Dr	A40	CV	0.29	0.32	0.39
W Venice Ave	A40	CV	0.43	0.48	0.58
West Gate Dr	A40	CV	0.53	0.72	1.02
San Marco Dr	A40	CV	0.38	0.40	0.45
Pine Grove Dr	A40	CV	0.57	0.64	0.71
Spur St	A40	CV	0.72	0.81	0.86
Sorrento St	A40	CV	0.44	0.45	0.47
Verona St	A40	CV	0.65	0.91	1.18
Airport Ave E	A40	CM	0.31	0.33	0.36
Airport Ave W	A40	CM	0.00	0.29	0.34
Avenida del Circo	A40	CM	0.44	0.49	0.56
Tarpon St	A40	CV	0.25	0.30	0.32
Harbor Dr S	A40	CM	0.46	0.47	0.52
S Tamiami Trl	A20	State	0.52	0.54	0.57

Flooding Depth Data Averages

Roberts Bay					
Road	Class	Maintenance	Flooding Depth Average (ft)		
			10-YR 24-HR	25-YR 24-HR	100-YR 24-HR
Bird Bay Dr W	A40	CV	0.00	0.00	0.00
Bird Bay Dr S	A40	CV	0.35	0.45	0.71
Brookside Dr	A40	CV	0.00	0.00	0.39
Calle Del Sol	A73	CV	0.40	0.43	0.46
Country Club Way	A40	CV	0.63	0.78	1.07
Cypress Ave	A40	CV	0.75	0.85	1.02
E Lucaya Ave	A40	CV	0.44	0.47	0.48
East Gate Dr	A40	CV	0.45	0.47	0.52
Edmondson Rd	A40	CV	0.00	0.28	0.38
Elaine St	A40	CV	0.82	0.86	0.91
Featherbed Ln	A40	CV	0.00	0.00	0.00
Fir Ave	A40	CV	0.43	0.44	0.45
Grove St N	A40	CV	0.26	0.46	0.58
Grove St S	A40	CV	0.00	0.29	0.32
Groveland Ave	A40	CV	0.67	0.82	1.04
Gulf Coast Blvd	A40	CV	0.00	0.00	0.26
Hope St	A40	CV	0.61	0.64	0.68
Karen Dr	A40	CV	0.70	0.73	0.77
Laurel Ave	A40	CV	0.68	0.77	0.96
Lillian St	A40	CV	0.58	0.61	0.64
Live Oak St	A40	CV	0.00	0.00	0.49
Mango Ave	A40	CV	0.51	0.54	0.63
Paradise Way	A40	CV	0.00	0.00	0.40
Pine Needle Rd	A40	CV	0.00	0.00	0.38
Pinebrook Way	A40	CV	0.00	0.00	0.50
Pineland Ave	A40	CV	0.54	0.65	0.68
Poplar Ave	A40	CV	0.42	0.43	0.48
Ridgewood Ave	A40	CV	0.00	0.00	0.37
Roberta St	A40	CV	0.49	0.50	0.52
Schooner Ln	A40	CV	0.00	0.00	0.46
Sleepy Hollow Rd	A40	CV	0.00	0.00	0.36
Strada D Argento	A40	CV	0.00	0.26	0.35
Strada D Oro	A40	CV	0.38	0.48	0.57
Venetian Pkwy	A40	CV	0.00	0.00	0.29
W Lucaya Ave	A40	CV	0.46	0.50	0.56
Warfield Ave N	A40	CV	0.41	0.52	0.63
Warfield Ave S	A40	CV	0.41	0.45	0.48
Waterside Ln	A40	CV	0.00	0.00	0.30
White Pine Tree Rd	A40	CV	0.27	0.30	0.36
1st Ave	A40	CM	0.66	0.80	1.08
2nd St	A40	CM	0.64	0.75	0.89
Albee Farm Rd	A30	CM	0.31	0.45	0.56
Border Rd	A40	CM	0.00	0.00	0.32
Colonia Ln E	A40	CM	0.26	0.35	0.44
E Venice Ave	A30	CM	0.45	0.52	0.80
Fox Lea Dr	A40	CM	0.30	0.34	0.41
Frederick Dr	A40	CM	0.34	0.33	0.33
Home Park Rd	A40	CM	0.75	0.87	1.11
Jacaranda Blvd	A30	CM	0.00	0.00	0.00
Myrtle Ave	A40	CM	0.68	0.82	1.15
N Auburn Rd	A40	CM	0.00	0.00	0.32
N Clermont Rd	A40	CM	0.00	0.00	0.29
Pinebrook Rd	A30	CM	0.00	0.00	0.34
N I75	A20	State	0.00	0.00	0.00
S I75	A20	State	0.00	0.00	0.00
US 41 Bypass N	A20	State	0.00	0.31	0.36
Dona Bay					
Road	Class	Maintenance	Flooding Depth Average (ft)		
			10-YR 24-HR	25-YR 24-HR	100-YR 24-HR
Bluegrass Ct	A40	CV	0.00	0.00	0.30
Hostetler Ct	A40	CV	0.00	0.00	0.29
Morse Ct	A40	CV	0.27	0.30	0.35
Triple Diamond Blvd	A40	CV	0.33	0.32	0.38
Honore Ave	A30	CM	0.00	0.27	0.34

Island of Venice



100YR STORM FLOODING DEPTH ABOVE 3 INCHES

STORMWATER MASTER PLAN UPDATE

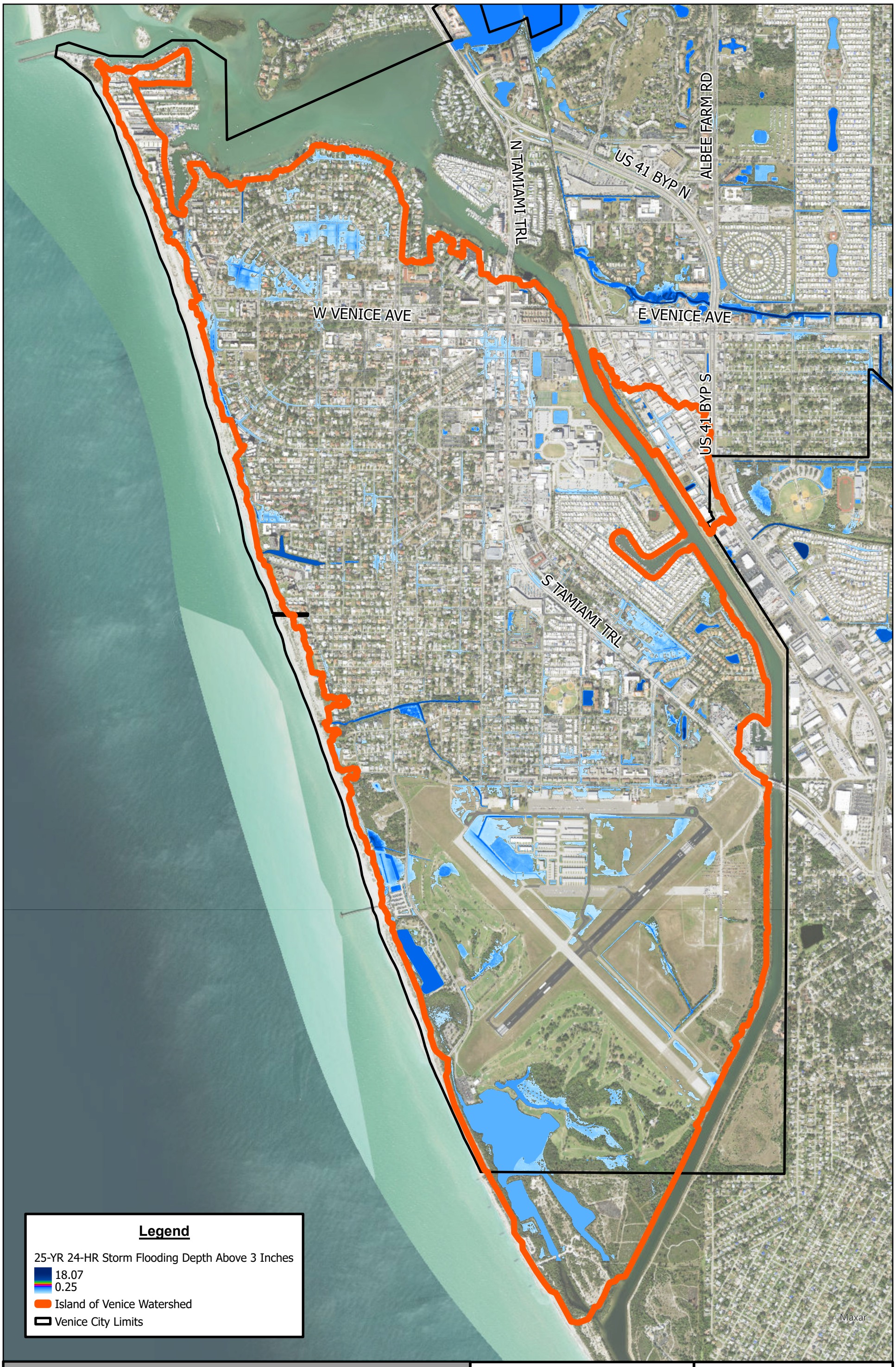
CITY OF VENICE
OCTOBER 2024

0 1,000 2,000 Feet

N

Kimley»Horn

C-2



25YR STORM FLOODING DEPTH ABOVE 3 INCHES

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

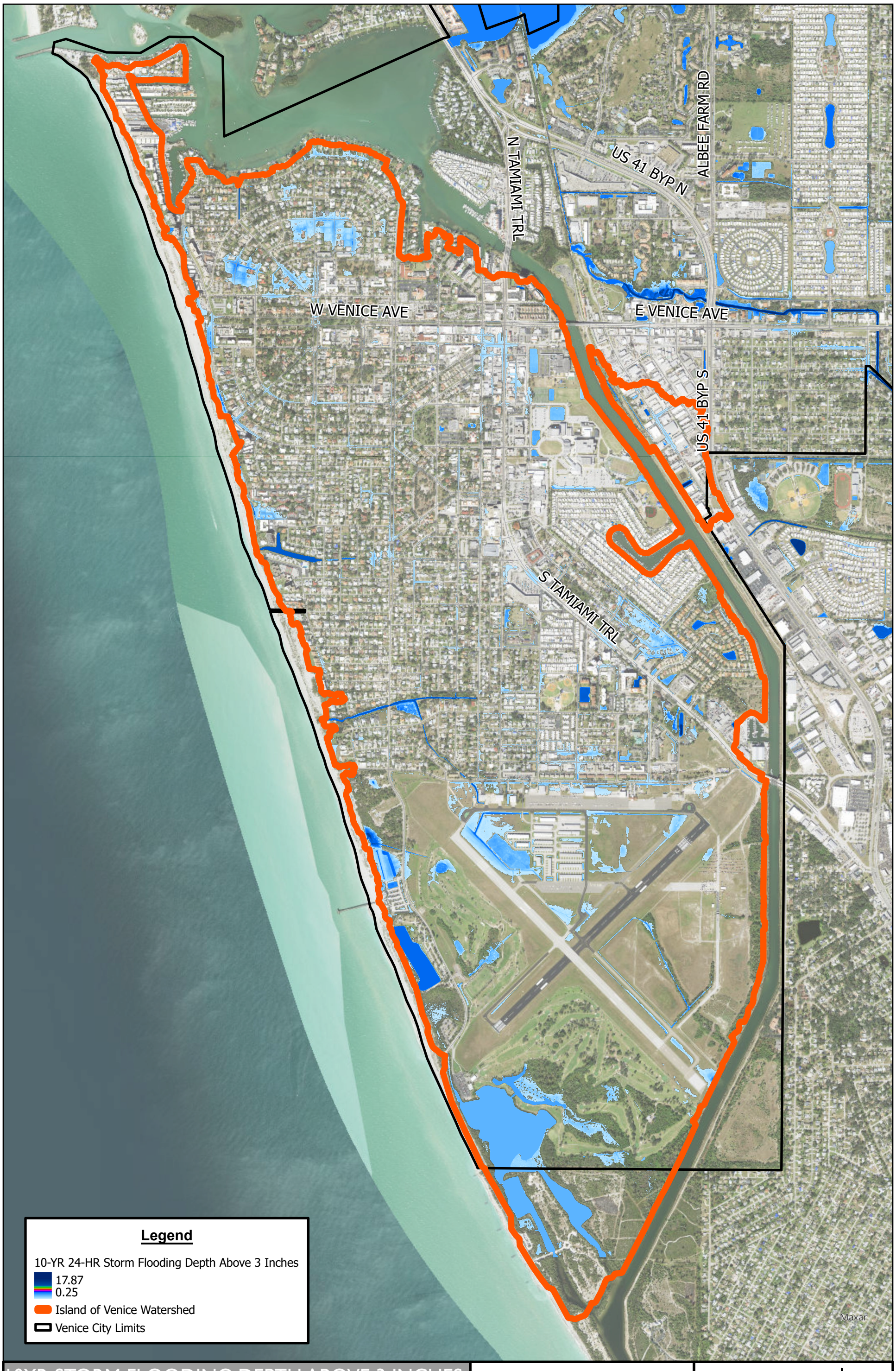
OCTOBER 2024

0 1,000 2,000 Feet

N

Kimley»Horn

C-3



10YR STORM FLOODING DEPTH ABOVE 3 INCHES

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

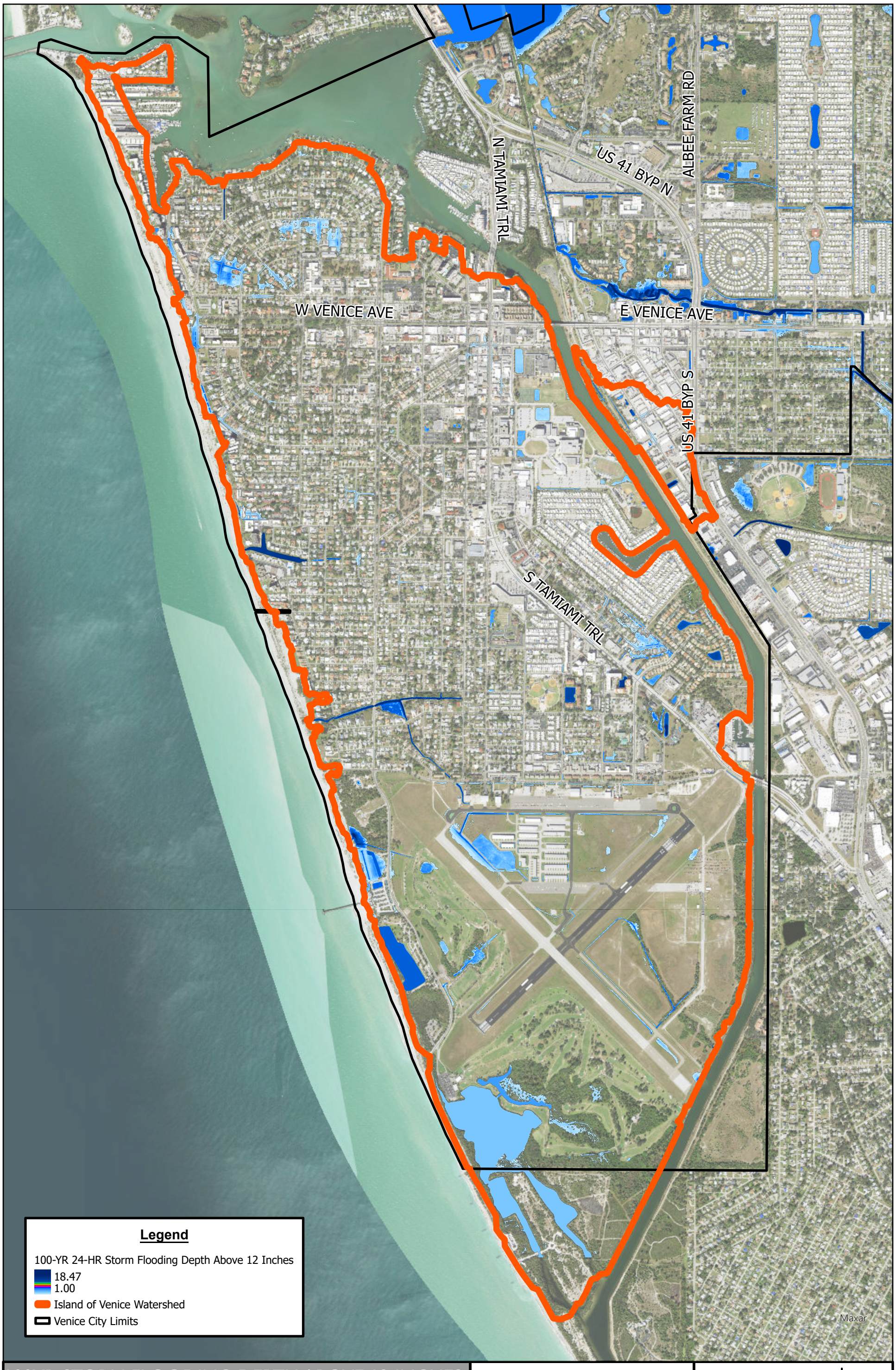
OCTOBER 2024

0 1,000 2,000 Feet

N

Kimley»Horn

C-4



100YR STORM FLOODING DEPTH ABOVE 12 INCHES

STORMWATER MASTER PLAN UPDATE

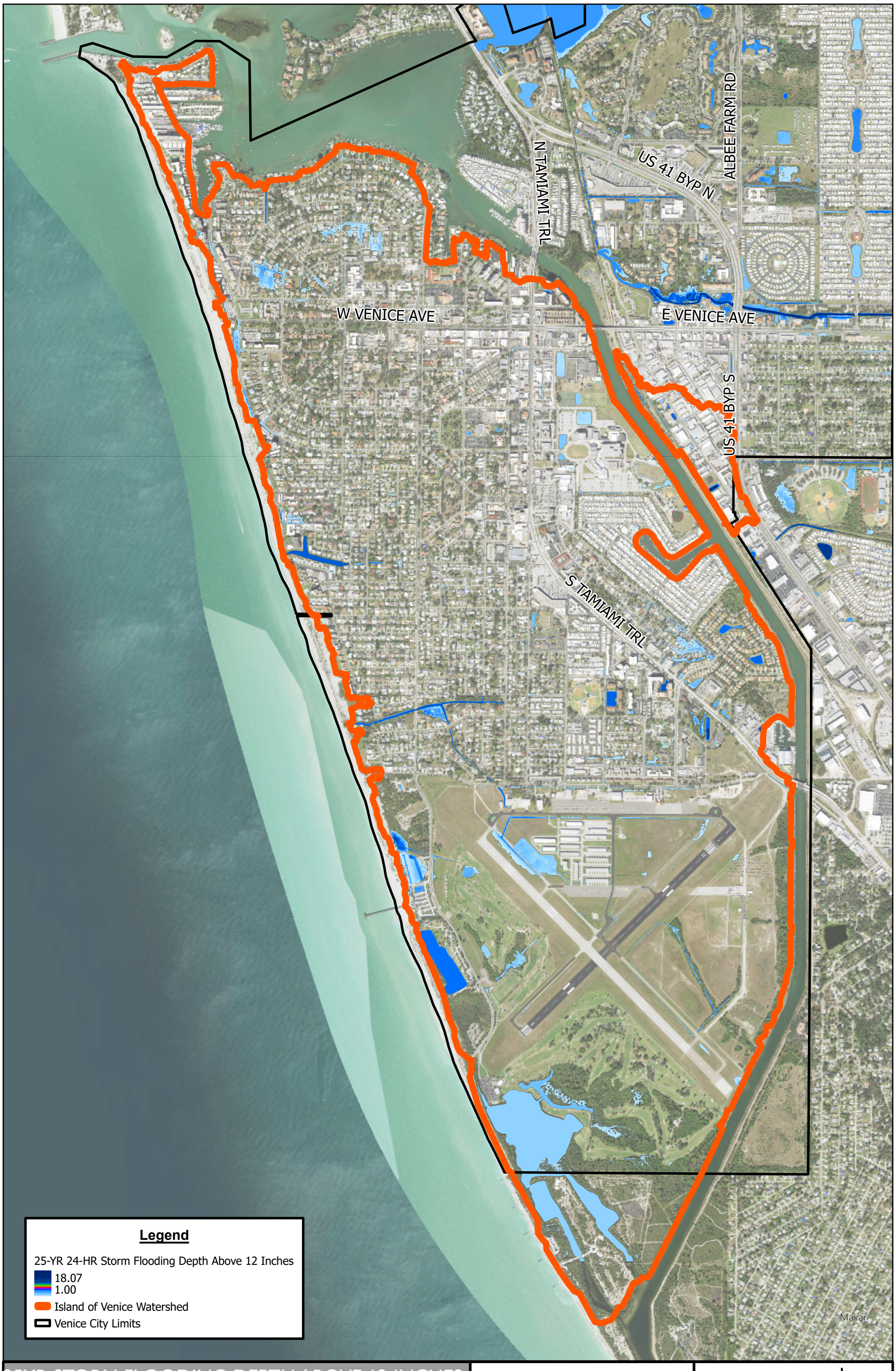
CITY OF VENICE
OCTOBER 2024

0 1,000 2,000 Feet

N

Kimley»Horn

C-5



25YR STORM FLOODING DEPTH ABOVE 12 INCHES

STORMWATER MASTER PLAN UPDATE

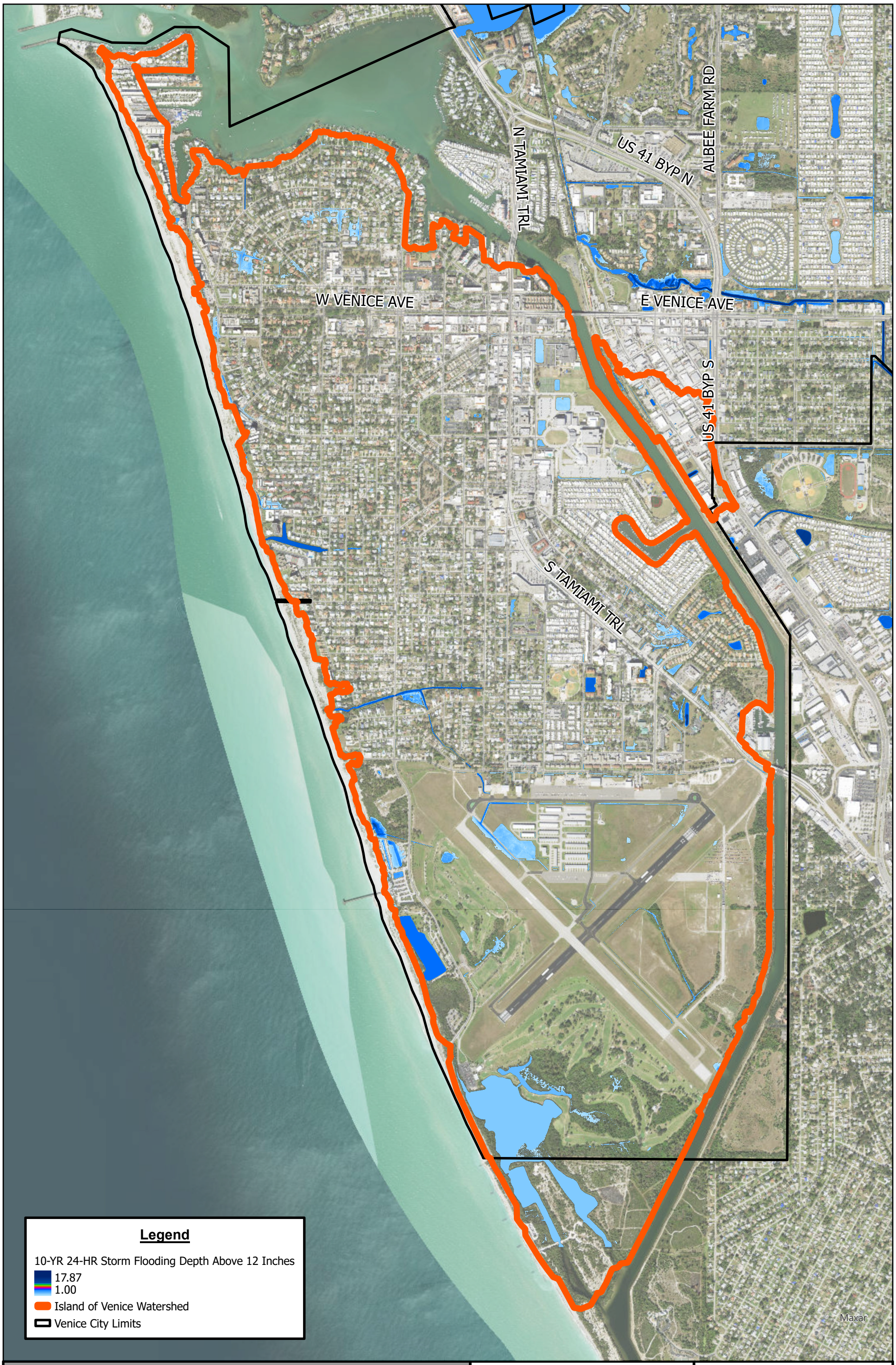
CITY OF VENICE
OCTOBER 2024

0 1,000 2,000 Feet

N

Kimley»Horn

C-6



10YR STORM FLOODING DEPTH ABOVE 12 INCHES

CITY OF VENICE
OCTOBER 2024

STORMWATER MASTER PLAN UPDATE

0 1,000 2,000 Feet

N

Kimley»Horn

C-7

Roberts Bay

HONORE AVE
N I75
LAUREL RD E
S I75
JACARANDA BLVD
PINEBROOK RD
ALBEE FARM RD
US 41 BYP N
N TAMIAMI TRL
W VENICE AVE
E VENICE AVE
US 41 BYP S
S TAMIAMI TRL

Legend

100-YR 24-HR Storm Flooding Depth Above 3 Inches

18.47
0.25

Roberts Bay Watershed

Venice City Limits

Maxar

100YR STORM FLOODING DEPTH ABOVE 3 INCHES

CITY OF VENICE
OCTOBER 2024

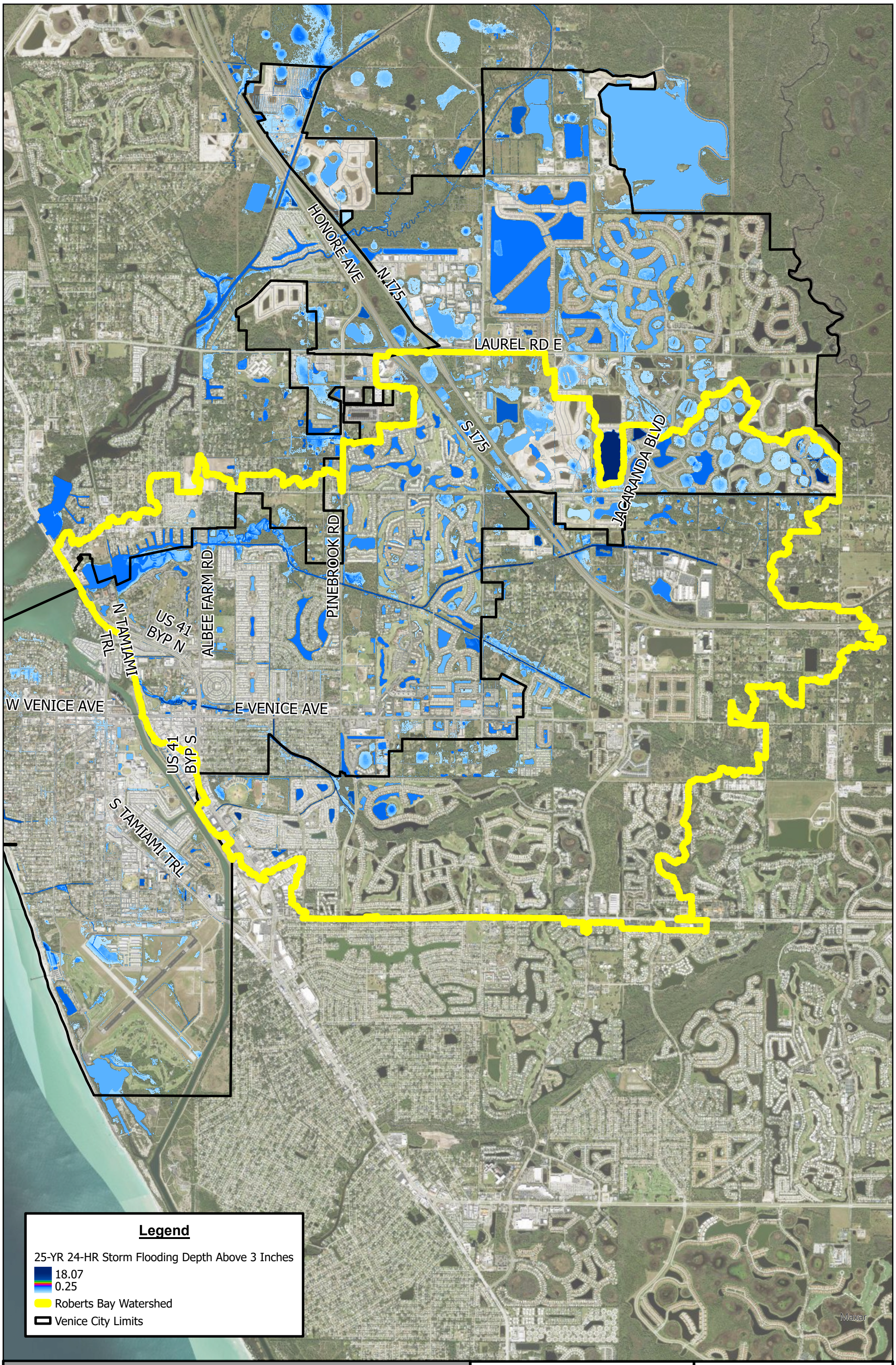
STORMWATER MASTER PLAN UPDATE

0 2,000 4,000 Feet

N

Kimley»Horn

C-8



25YR STORM FLOODING DEPTH ABOVE 3 INCHES

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

C-9

HONORE AVE
N I75
LAUREL RD E
S I75
JACARANDA BLVD
PINEBROOK RD
ALBEE FARM RD
US 41 BYP N
N TAMIAMI TRL
W VENICE AVE
E VENICE AVE
US 41 BYP S
S TAMIAMI TRL

Legend

10-YR 24-HR Storm Flooding Depth Above 3 Inches
17.87
0.25
Roberts Bay Watershed
Venice City Limits

Maxar

10YR STORM FLOODING DEPTH ABOVE 3 INCHES

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

C-10

HONORE AVE
N I75
LAUREL RD E
S I75
JACARANDA BLVD
PINEBROOK RD
ALBEE FARM RD
US 41 BYP N
N TAMIAMI TRL
W VENICE AVE
E VENICE AVE
US 41 BYP S
S TAMIAMI TRL

Legend

100-YR 24-HR Storm Flooding Depth Above 12 Inches
18.47
1.00
Roberts Bay Watershed
Venice City Limits

Maxar

100YR STORM FLOODING DEPTH ABOVE 12 INCHES

STORMWATER MASTER PLAN UPDATE

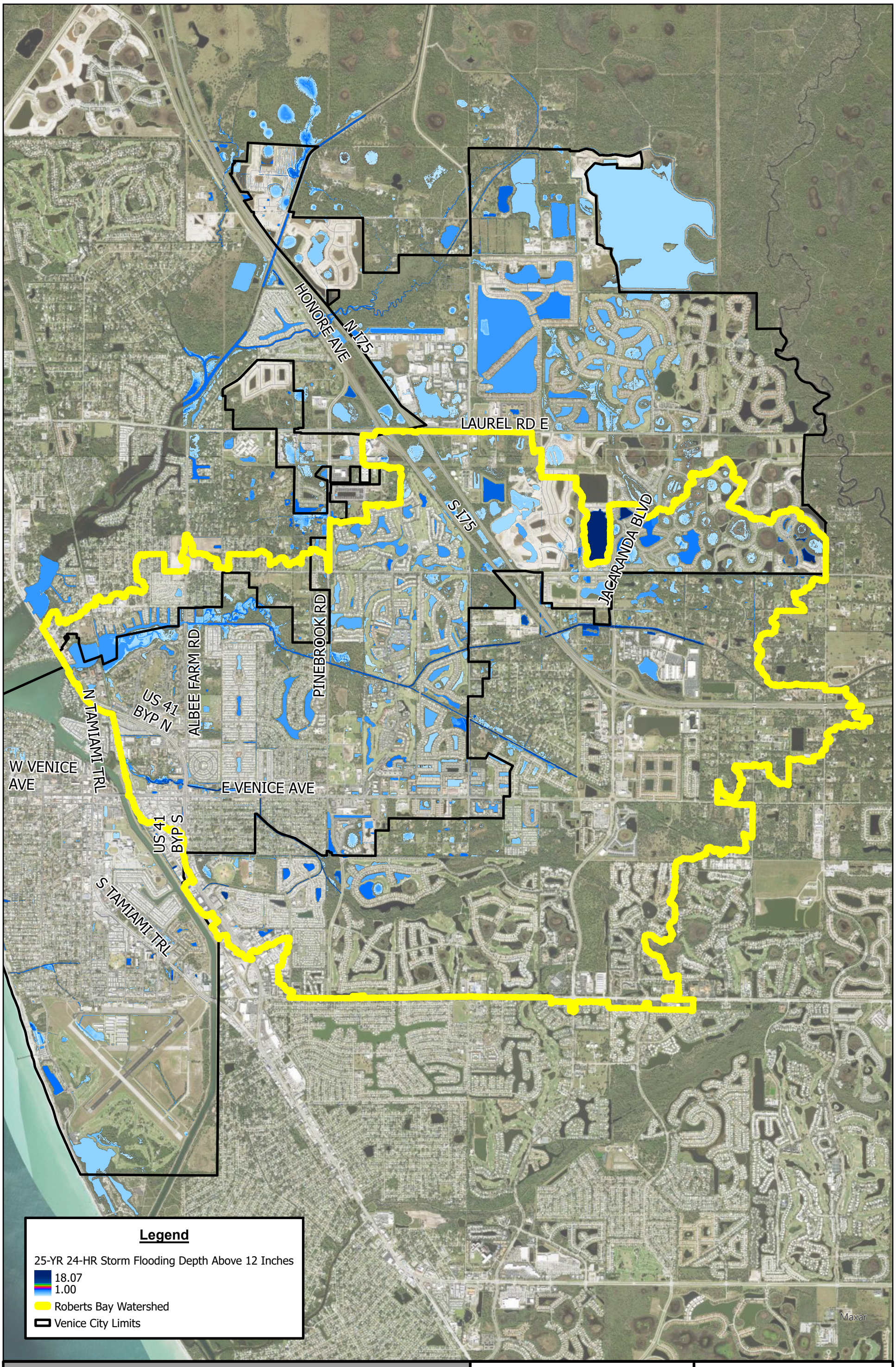
CITY OF VENICE
OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

C-11



25YR STORM FLOODING DEPTH ABOVE 12 INCHES

STORMWATER MASTER PLAN UPDATE

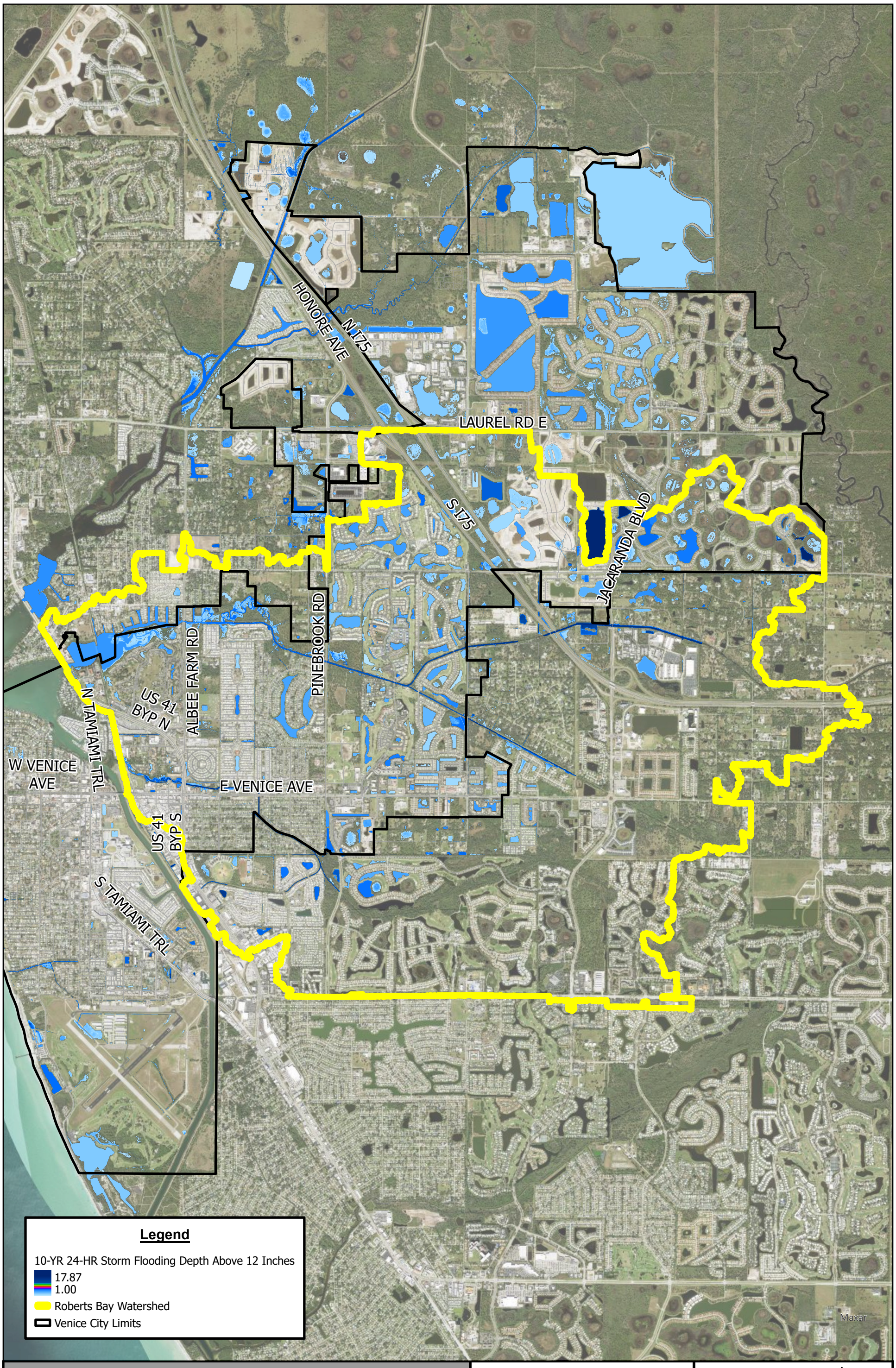
CITY OF VENICE
OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

C-12



10YR STORM FLOODING DEPTH ABOVE 12 INCHES

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
OCTOBER 2024

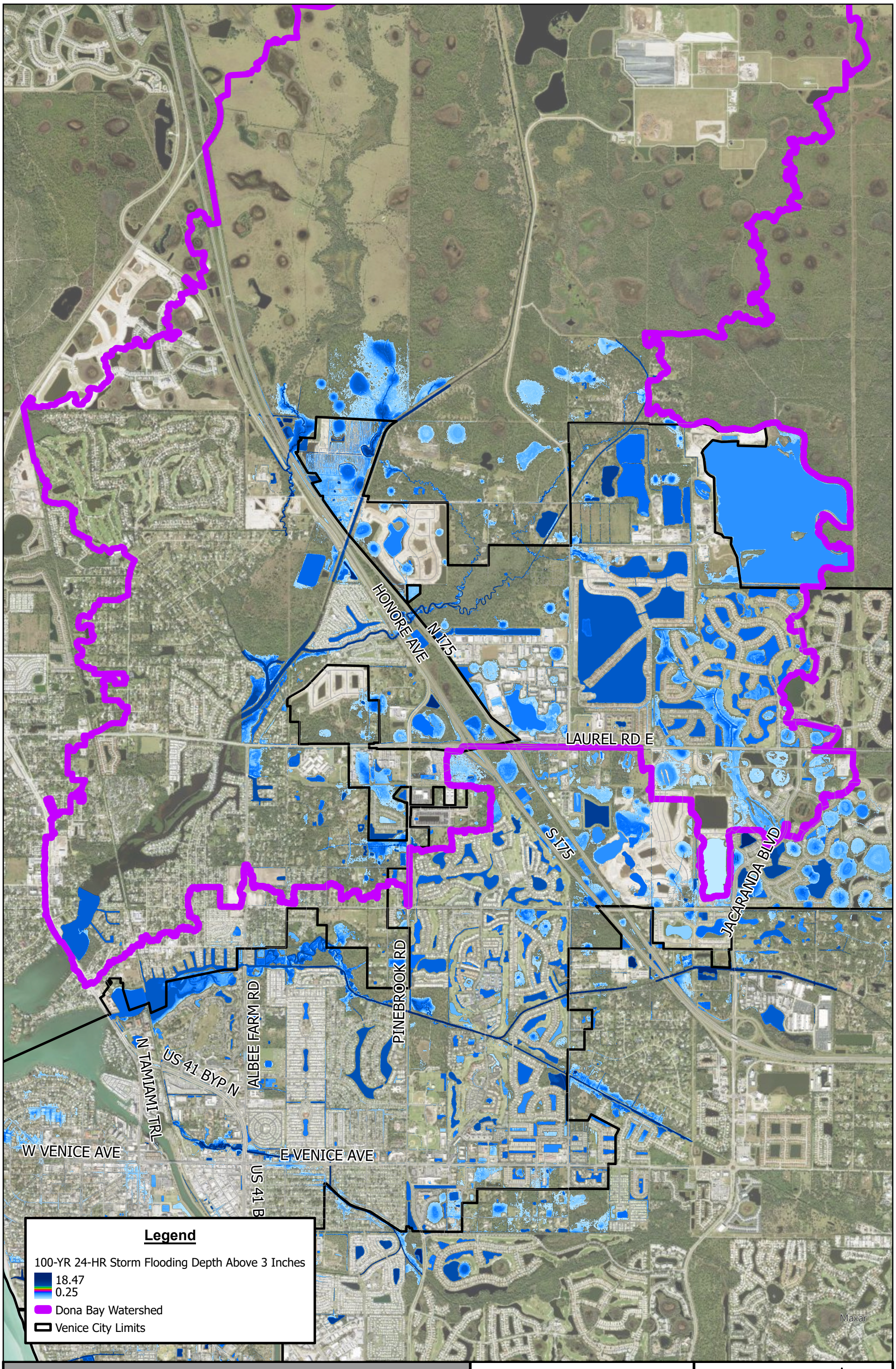
0 2,000 4,000 Feet

N

Kimley»Horn

C-13

Dona Bay



100YR STORM FLOODING DEPTH ABOVE 3 INCHES

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
OCTOBER 2024

0 2,000 4,000 Feet N

Kimley»Horn

C-14

HONORE AVE
N I75
LAUREL RD E
S I75
JACARANDA BLVD
PINEBROOK RD
ALBEE FARM RD
N TAMIAMI TRL
US 41 BYP N
W VENICE AVE
E VENICE AVE
US 41

Legend

25-YR 24-HR Storm Flooding Depth Above 3 Inches

18.07
0.25

Dona Bay Watershed

Venice City Limits

Maxar

25YR STORM FLOODING DEPTH ABOVE 3 INCHES

CITY OF VENICE

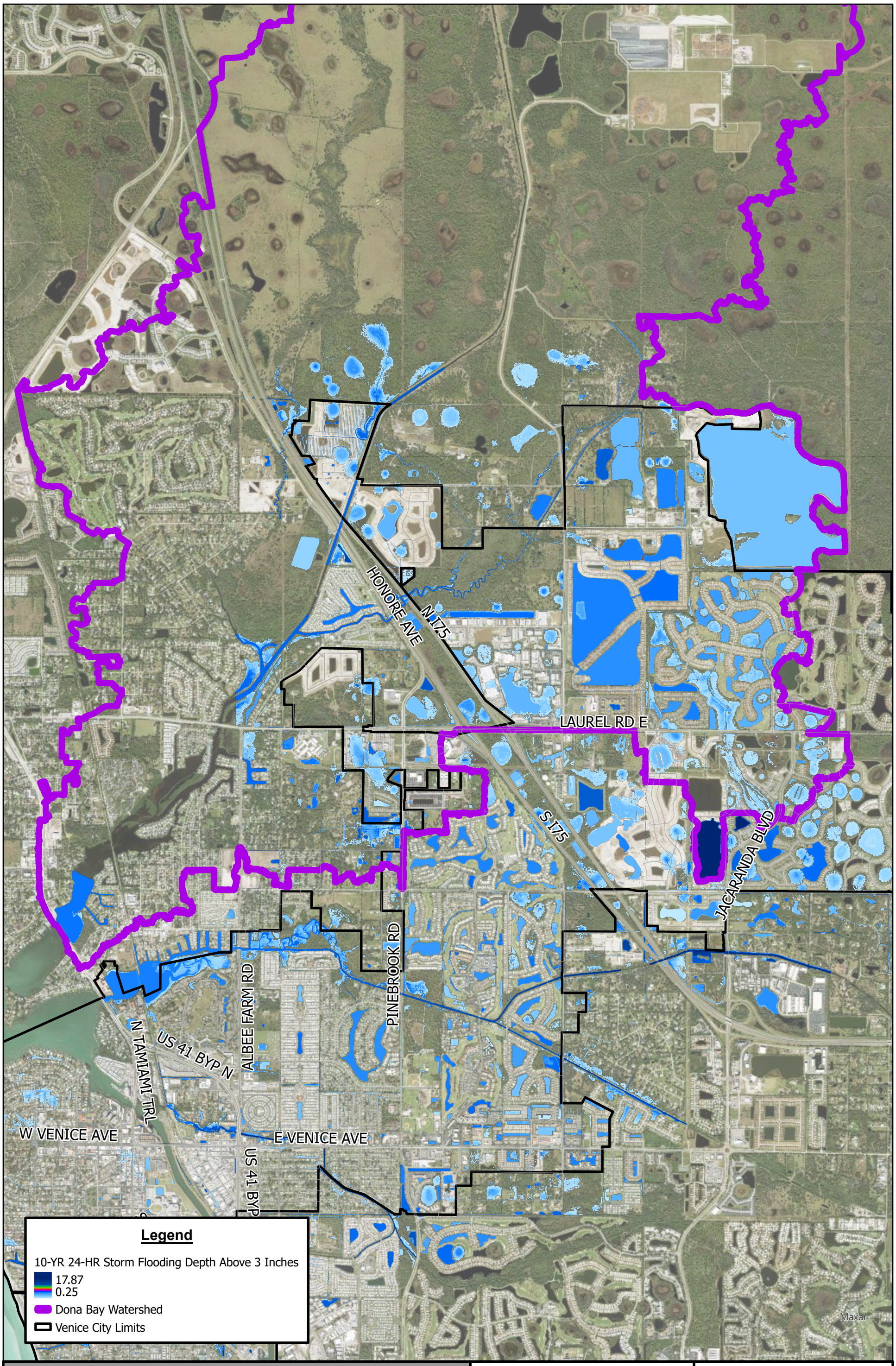
STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

0 2,000 4,000 Feet N

Kimley»Horn

C-15



10YR STORM FLOODING DEPTH ABOVE 3 INCHES

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

C-16

HONORE AVE
N 175
LAUREL RD E
S 175
JACARANDA BLVD
PINEBROOK RD
ALBEE FARM RD
US 41 BYP N
N TAMIAMI TRL
W VENICE AVE
E VENICE AVE
Maxar

Legend

100-YR 24-HR Storm Flooding Depth Above 12 Inches

18.47
1.00

Dona Bay Watershed

Venice City Limits

100YR STORM FLOODING DEPTH ABOVE 12 INCHES

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
OCTOBER 2024

0 2,000 4,000 Feet

N

Kimley»Horn

C-17

HONORE AVE
N I75
LAUREL RD E
S I75
JACARANDA BLVD
PINEBROOK RD
ALBEE FARM RD
N TAMIAMI TRL
US 41 BYP N
W VENICE AVE
E VENICE AVE
US 41 B

Legend

25-YR 24-HR Storm Flooding Depth Above 12 Inches
18.07
1.00
Dona Bay Watershed
Venice City Limits

Maxar

25YR STORM FLOODING DEPTH ABOVE 12 INCHES

CITY OF VENICE
OCTOBER 2024

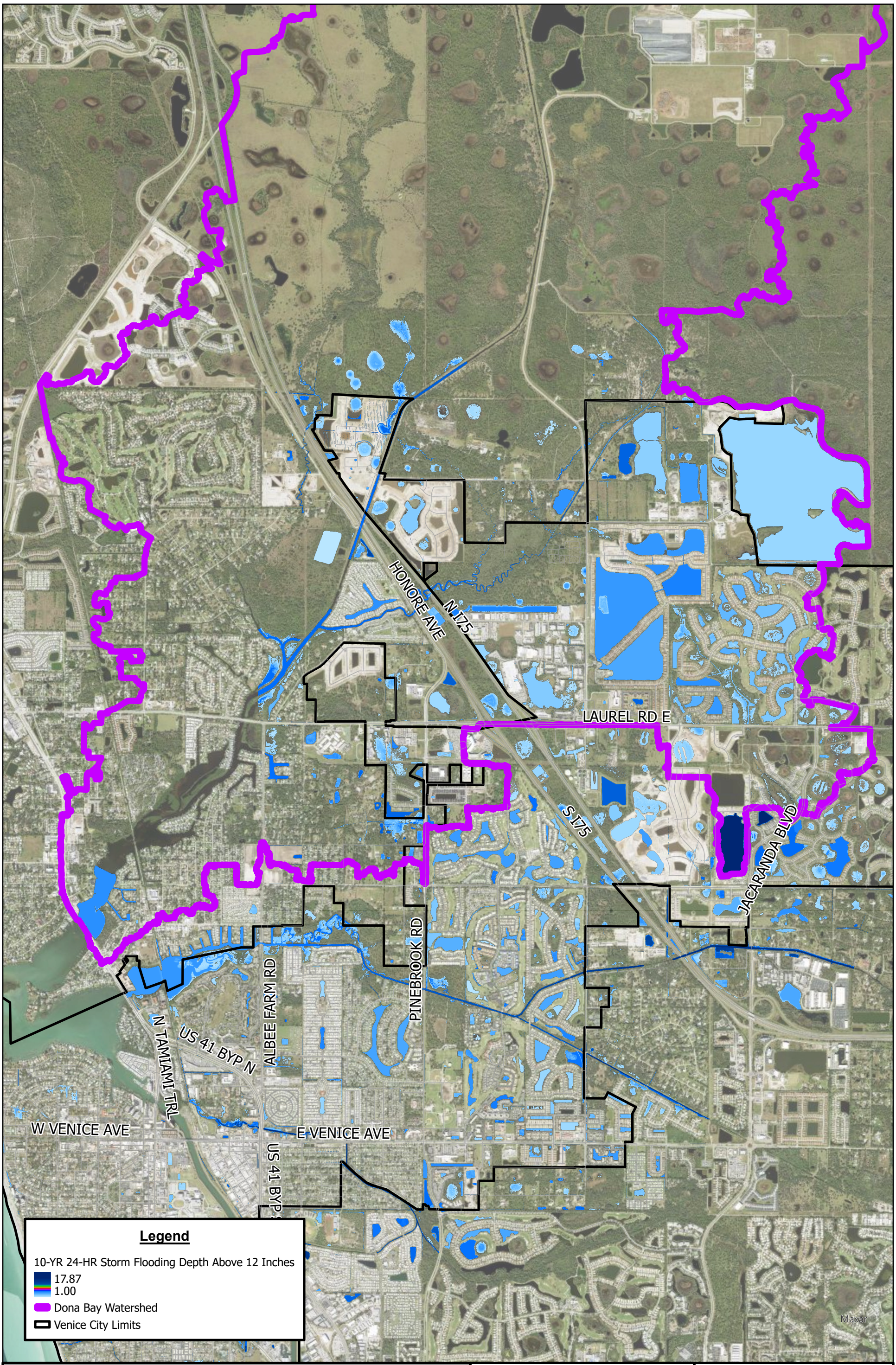
STORMWATER MASTER PLAN UPDATE

0 2,000 4,000 Feet

N

Kimley»Horn

C-18



10YR STORM FLOODING DEPTH ABOVE 12 INCHES

CITY OF VENICE
OCTOBER 2024

STORMWATER MASTER PLAN UPDATE

0 2,000 4,000 Feet N

Kimley»Horn

C-19

- Roads not Intersecting 100-Year 24-Hour Floodplain
- Roads not Represented in 2018 LiDAR

Appendix D – Additional Data

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Roads Not Intersecting 100-Year Floodplain

Road	Class	Maintenance
N I75	A15	STATE
N TAMIAMI TRL	A20	STATE
US 41 BYP S	A20	STATE
SUBSTATION RD	A40	STATE
EAGLE POINT DR	A40	PRIV
I75 RAMP	A63	STATE
MORNING STAR RD	A40	PRIV
PELLEGRIN AVE	A74	PRIV
ZACAPA AVE	A40	PRIV
IXORA CIR	A40	PRIV
ASTI CT	A40	PRIV
STARBOARD DR	A79	PRIV
KILRUSS DR	A40	PRIV
GLENEAGLES DR	A40	PRIV
E XANADU AVE	A40	PRIV
MORNING STAR PL	A40	PRIV
W QUESTA AVE	A40	PRIV
BIRD BAY CIR	A40	PRIV
W VINCENT AVE	A40	PRIV
FOUNTAIN VIEW CIR	A40	PRIV
CIPRIANI CT	A40	PRIV
SLATE CT	A40	PRIV
W ELEUTHERA AVE	A40	PRIV
CIPRIANI WAY	A40	PRIV
S PORT DR	A79	PRIV
PARK TER	A79	PRIV
E YBOR AVE	A40	PRIV
GIBBS RD	A40	PRIV
S INDIES CIR	A40	PRIV
MARSH LANDING WAY	A40	PRIV
ENTERPRISE CT	A40	PRIV
SAINT CLAIR CIR	A40	PRIV
S PARK AVE	A79	PRIV
E ELEUTHERA AVE	A40	PRIV
IRONWOOD DR	A40	PRIV
VALLEY DR	A40	PRIV
ARBORVIEW LN	A40	PRIV
SOUTHLAKE CT	A40	PRIV
MOON DR	A40	PRIV
HAITI W	A40	PRIV
AVACADO DR	A40	PRIV
TRIANO WAY	A40	PRIV
CURRY ST	A40	PRIV
E TRINIDAD AVE	A40	PRIV
WATERFORD DR	A40	PRIV
2ND AVE	A79	PRIV
3RD AVE	A79	PRIV
LIMEBERRY PL	A40	PRIV
W GUADELOUPE AVE	A40	PRIV
W FREEPORT AVE	A40	PRIV
OTTER CREEK DR	A40	PRIV
MANDARIN PL	A40	PRIV
BAYOU DR	A40	PRIV
WHITECAP CIR	A40	PRIV
W TRINIDAD AVE	A40	PRIV
E DESIRADE AVE	A40	PRIV
W WINDEMERE AVE	A40	PRIV
COLONY PL	A40	PRIV
N PARK AVE	A79	PRIV
E ANTIGUA AVE	A40	PRIV
BRISTOL LN	A40	PRIV
HAITI E	A40	PRIV
EXUMA AVE	A40	PRIV
WELLFIELD RD	A40	PRIV
ANDROS AVE	A40	PRIV
CHATHAM DR	A40	PRIV
W XANADU AVE	A40	PRIV
TRUNE WAY	A40	PRIV
BERKSHIRE CIR	A40	PRIV

Roads Not Intersecting 100-Year Floodplain

Road	Class	Maintenance
ASHLAND PL	A40	PRIV
SAVONA CT	A40	PRIV
MORNING STAR LN	A40	PRIV
MARSH CREEK RD	A40	PRIV
ASHLEY DR	A40	PRIV
PINEBROOK CLUB DR	A40	PRIV
4TH AVE	A79	PRIV
AUBURN LAKES CIR	A40	PRIV
E UPLANDS AVE	A40	PRIV
GUADELOUPE E	A40	PRIV
MIRABELLA CIR	A40	PRIV
LERIDA CT	A40	PRIV
E BONAIRE AVE	A40	PRIV
CURRY TRL	A40	PRIV
MEDICI CT	A40	PRIV
CASSIA DR E	A40	PRIV
HATCHETT CREEK RD	A40	CV
MISTY PINE DR	A40	PRIV
GULF MANOR DR	A40	PRIV
CURRY LN	A40	PRIV
BRENNER PARK DR	A40	PRIV
BEACH MANOR TER	A40	PRIV
PILLITTERI PL	A40	PRIV
W YBOR AVE	A40	PRIV
GUADELOUPE W	A40	PRIV
5TH AVE	A79	PRIV
KILBERRY WAY	A40	PRIV
SAWGRASS BLVD	A40	PRIV
W HAITI AVE	A40	PRIV
ARDRY WAY	A40	PRIV
POWERS WAY	A40	PRIV
BRENDA LN	A40	PRIV
E SAND CAY AVE	A40	PRIV
FLAMINGO DR	A40	PRIV
ROYALTY WAY	A40	PRIV
FAWN VIEW LN	A40	PRIV
BERKSHIRE CT	A40	PRIV
SAN LINO CIR	A40	PRIV
W ANTIGUA AVE	A40	PRIV
CARTINA WAY	A40	PRIV
E WINDEMERE AVE	A40	PRIV
KINGSTON WAY	A40	PRIV
VENETIA BAY BLVD	A40	PRIV
WEDGEWOOD CT	A40	PRIV
CURRY AVE	A40	PRIV
CANELETTO WAY	A40	PRIV
SERPENTINE DR	A40	PRIV
W SAND CAY AVE	A40	PRIV
RECLINATA CIR	A40	PRIV
ENDEAVOR CT	A40	PRIV
CALLE TEATRO	A73	PRIV
JOHNSON LN	A40	PRIV
TREVISO CT	A40	PRIV
AUBURN WOODS CIR	A40	CM
VENETO BLVD	A40	PRIV
TORCELLO CT	A40	PRIV
E QUESTA AVE	A40	PRIV
LISCOURT DR	A40	PRIV
CALA CT	A40	PRIV
RIMINI WAY	A40	PRIV
MONTELLUNA DR	A40	PRIV
TYSON TER	A40	PRIV
PADOVA WAY	A40	PRIV
PESARO DR	A40	PRIV
PHEASANT RUN CT	A40	PRIV
BELFIORE	A74	PRIV
VICENZA WAY	A40	PRIV
R AND F RANCH RD	A40	PRIV

Roads Excluded From Analysis

Roads Not Intersecting 100-Year Floodplain

Road	Class	Maintenance
CIELO CT	A40	PRIV
PORTOFINO DR	A40	PRIV
CONNEMARA CT	A40	PRIV
PINE LAKE DR	A40	PRIV
CLUBVIEW CT	A40	PRIV
W BONAIRE AVE	A40	PRIV
JUANITA CIR	A40	PRIV
SAVONA WAY	A40	PRIV
MARTELLAGO DR	A40	PRIV
W UPLANDS AVE	A40	PRIV
MARCUS ST	A40	PRIV
BOLANZA CT	A40	PRIV
TURTLEBACK XING	A40	PRIV
REINA LN	A40	PRIV
PLAYWELL DR	A74	PRIV
W DESIRADE AVE	A40	PRIV
TURNBERRY DR	A40	PRIV
E VINCENT AVE	A40	PRIV
E CAYMAN AVE	A40	PRIV
MESTRE CT	A40	PRIV
MESTRE PL	A40	PRIV
PRESERVE PL	A40	PRIV
TERRA BELLA CT	A40	PRIV
MEDICI TER	A40	PRIV
ASTON GARDENS DR	A40	PRIV
TIZIANO WAY	A40	PRIV
PALAZZO CT	A40	PRIV
BURANO CT	A40	PRIV
BELLINI CT	A40	PRIV
VALENZA LOOP	A40	PRIV
IBIS WAY	A40	PRIV
GENE GREEN RD	A40	PRIV
SCENIC DR	A40	CM
N JACKSON RD	A40	CM
PINEBROOK CRES	A40	PRIV
OUTER DR	A40	PRIV
W CAYMAN AVE	A40	PRIV
GREEN CIR	A40	PRIV
CORNWELL ON THE GULF	A40	PRIV
CITADELLA DR	A40	PRIV
TRIANO CIR	A40	PRIV
SEVILLA PL	A40	PRIV
AVENS DR	A40	PRIV
COHOSH RD	A40	PRIV
ALFERO WAY	A40	PRIV
ACERNO DR	A40	PRIV
HARBOR LIGHTS DR	A79	CM
CALAIS CIR	A40	PRIV
LA PALMA CT	A40	PRIV
VALENZA CT	A40	PRIV
BELLA VISTA TER	A40	PRIV
CARLINO DR	A40	PRIV
ALENTO CT	A40	PRIV
AVALINI WAY	A40	PRIV
AJAX DR	A40	PRIV
CASALINO DR	A40	PRIV
ROSOLINA CT	A40	PRIV
CASSANO DR	A40	PRIV
MALINA CT	A40	PRIV
CAPRIANA CT	A40	PRIV
BENEDETTO CT	A40	PRIV
MARCHENO WAY	A40	PRIV
LIVORNO WAY	A40	PRIV
BRIONA WAY	A40	PRIV
MIRASOL BLVD	A40	PRIV
CORELLI DR	A40	PRIV
ARIA DR	A40	PRIV
AMARANTH CT	A40	PRIV

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Roads Not Intersecting 100-Year Floodplain

Road	Class	Maintenance
DAYLILY BLVD	A40	PRIV
FIREBUSH DR	A40	PRIV
MISTIFLOWER CIR	A40	PRIV
ORTELLE TER	A40	PRIV
BRIENZA LOOP	A40	PRIV
SAREZZO CIR	A40	PRIV
ARIANO AVE	A40	PRIV
PALIDORO CIR	A40	PRIV
PALMARIA CT	A40	PRIV
SPOLETO CIR	A40	PRIV
TRACINO TER	A40	PRIV
BOCELLI DR	A40	PRIV
PORTA VECCHIO BND	A40	PRIV
ALLEY 232 Calle del Sol	N/A	PRIV
CASERTA CT	A40	PRIV
CORSANO DR	A40	PRIV
DELICETTO DR	A40	PRIV
JUBILANT CT	A40	PRIV
SANSOM CT	A40	PRIV
SOCAM CT	A40	PRIV
MARDAN LN	A40	PRIV
SAIL FISH LN	A40	PRIV
SALIDA AVE	A40	PRIV
GIRASOLI LN	A40	PRIV
FORSANO BLVD	A40	PRIV
BANEBERRY CT	A40	PRIV
NASTURTIUM CT	A40	PRIV
BRINDISI CIR	A40	PRIV
ALTAMURA CIR	A40	PRIV
ROSSINI WAY	A40	PRIV
PYGMY DATE BLVD	A40	PRIV
MAJESTY WAY	A40	PRIV
LADY LN	A40	PRIV
POTENZA LOOP	A40	PRIV
VISTERA BLVD	A40	PRIV
TERACORSA WAY	A40	PRIV
PONTERRA WAY	A40	PRIV
ALLORA AVE	A40	PRIV
ALBERATA WAY	A40	PRIV
LIBERTO LN	A40	PRIV
CORSERRA DR	A40	PRIV
CORSERRA WAY	A40	PRIV
CANOE BEND AVE	A40	PRIV
HAWTHORNE GLEN AVE	A40	PRIV
LAZY SHORE DR	A40	PRIV
BLUE BEACH ST	A40	PRIV
OUTBACK HIDEAWAY AVE	A40	PRIV
GENTLE RAIN LN	A40	PRIV
SUNNY WOODS WAY	A40	PRIV
WHITELAND BND	A40	PRIV
SUN CHASER DR	A40	PRIV
RUNAWAY FIELD AVE	A40	PRIV
LUGANO CIR	A40	PRIV
BOLSENA ST	A40	PRIV
HOLLY BANK AVE	A40	PRIV
SEA GRASS IS	A40	PRIV
HAUSER LN	A40	PRIV
VARESE ST	A40	PRIV
HARBOR DR N	A40	CV
AUBURN LAKES DR	A40	CV
SCHOOL ST	A40	CV
N SEABOARD AVE	A40	CV
VERDI ST	A40	CV
MANATEE CT	A40	CV
CHERRY ST	A40	CV
CAMION ST	A40	CV
PEACH ST	A40	CV
CINCY ST	A40	CV

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Roads Not Intersecting 100-Year Floodplain

Road	Class	Maintenance
SPADARO DR	A40	CV
SLEEPY HOLLOW CT	A40	CV
BAYSIDE DR	A40	CV
CORAL ST	A40	CV
BEACH PARK BLVD	A40	CV
PARK AVE	A40	CV
WATER ST	A40	CV
DANTE ST	A40	CV
OSPREY ST	A40	CV
BLISS DR	A40	CV
BIRD BAY DR	A40	CV
ERSKINE DR	A40	CV
FIRENZE AVE E	A40	CV
BASE AVE W	A40	CV
CIRCLE DR	A40	CV
TERRACE DR	A40	CV
ROBERT ST	A40	CV
EVERGLADES DR	A40	CM
TECHNOLOGY DR	A40	CV
PRECISION DR	A40	CV
VISTA RD	A40	CV
BEACH RD	A40	CV
SHORT RD	A40	CV
BAY ST	A40	CV
KETCH LN	A40	CV
BAYNARD DR	A40	CV
PALM HILL RD	A40	CV
CALLE DE TORO	A40	CV
W FLAMINGO DR	A40	CV
PLUMOSA DR	A40	CV
YAWL WAY	A40	CV
BEATRICE ST	A40	CV
WHISPERING LN	A40	CV
SANTE JOSEPH ST	A40	CV
BAYSHORE CIR	A40	CV
VENICE BAY DR	A40	CM
DAWN ST	A40	CV
DISCOVERY WAY	A40	CV
PINE RD	A40	CV
PINEBROOK WAY CT	A40	CV
ALLEY 232 (Calle del Sol)	N/A	CV
ALLEY 233 (Calle Linda)	N/A	CV
ALLEY 50 (Calle del Mercade)	N/A	CV
ALLEY 54 (Calle de las Tiendas)	N/A	CV
ALLEY 62 (Calle de las Tiendas)	N/A	CV
ALLEY 61 (Calle de las Tiendas)	N/A	CV
ALLEY 67 (Calle Del Canal)	N/A	CV
ALLEY 79 (Calle Fiesta)	N/A	CV
ALLEY 49 (Calle del Puente)	N/A	CV
ALLEY 207 (Calle Del Toro)	N/A	CV
ALLEY 208 (calle del Sol)	N/A	CV
ALLEY 206 (Calle Del SolL)	N/A	CV
ALLEY 208A (Calle Bonita)	N/A	CV
ALLEY 208A	N/A	CV
ALLEY 225 (Calle Linda)	N/A	CV
ALLEY 127 (Calle Central)	N/A	CV
ALLEY 126 (Calle Central)	N/A	CV
ALLEY 49	N/A	CV
S AUBURN RD	A40	CNM
EWING DR	A40	CNM
RANCH RD	A40	CNM
KNIGHTS TRAIL RD	A40	CM
KENNEDY DR	A40	CM

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Roads Excluded From Analysis

Roads Not Represented in 2018 LiDAR

Road	Class	Maintenance
ACERNO DR	A40	PRIV
ALBERATA WAY	A40	PRIV
ALLORA AVE	A40	PRIV
ARIA DR	A40	PRIV
ARIANO AVE	A40	PRIV
BENEDETTO CT	A40	PRIV
BLUE BEACH ST	A40	PRIV
BOCELLI DR	A40	PRIV
BRIENZA LOOP	A40	PRIV
BRIONA WAY	A40	PRIV
CANOE BEND AVE	A40	PRIV
CAPRIANA CT	A40	PRIV
CARLINO DR	A40	PRIV
CASALINO DR	A40	PRIV
CASERTA CT	A40	PRIV
CORELLI DR	A40	PRIV
CORSERRA DR	A40	PRIV
CORSERRA WAY	A40	PRIV
DAYLILY BLVD	A40	PRIV
FIREBUSH DR	A40	PRIV
FORSANO BLVD	A40	PRIV
GENTLE RAIN LN	A40	PRIV
GIRASOLI LN	A40	PRIV
HAWTHORNE GLEN AVE	A40	PRIV
HOLLY BANK AVE	A40	PRIV
LAZY SHORE DR	A40	PRIV
LIBERTO LN	A40	PRIV
LIVORNO WAY	A40	PRIV
LUGANO CIR	A40	PRIV
MARCHENO WAY	A40	PRIV
MISTIFLOWER CIR	A40	PRIV
ORTELLE TER	A40	PRIV
PALMARIA CT	A40	PRIV
PONTERRA WAY	A40	PRIV
POTENZA LOOP	A40	PRIV
RANCH RD	A40	CNM
ROSSINI WAY	A40	PRIV
RUNAWAY FIELD AVE	A40	PRIV
RUSTIC RD	A40	PRIV
SALIDA AVE	A40	PRIV
SAREZZO CIR	A40	PRIV
SPOLETO CIR	A40	PRIV
SUN CHASER DR	A40	PRIV
SUNNY WOODS WAY	A40	PRIV
TERACORSA WAY	A40	PRIV
TRACINO TER	A40	PRIV
VARESE ST	A40	PRIV
VISTERA BLVD	A40	PRIV

Appendix C – Water Quality Analysis Report

ANALYSIS

REPORT



Venice, FL
City on the Gulf

Prepared For:



401 West Venice Ave
Venice, FL 34285

Prepared By:

Kimley»Horn

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Sarasota, FL 34236
(941) 379-7600
KH Project No. 148402027

Professional Engineer Certification

Water Quality Analysis Report

Project: City of Venice Stormwater Master Plan Update

I hereby certify that I am a registered professional engineer in the State of Florida practicing with Kimley-Horn and Associates Inc., and that I have prepared or approved the evaluation, findings, opinions, conclusions, or technical advice for this project.

_____

MOLLY CHARLENE WILLIAMS, P.E. # 54281
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Sarasota, Florida 34236
Registry No. 35106

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1.0 Introduction

The improvement alternatives proposed for the City of Venice Stormwater Master Plan Update all contain a component to improve water quality within the City. The projects include variable approaches to improve water quality, including the construction of a nutrient separation box, dry retention, and underground detention.

Water quality improvements by **Nutrient Separation Boxes** are achieved by capturing and removing larger particles and debris from runoff water to reduce contamination in downstream water bodies. Second-generation nutrient separation boxes incorporate a variety of sensors (i.e. turbidity and nutrient sensors), valve and flow controls, self-cleaning mechanisms, and alarms / notification controls to improve nutrient removal, enhance real-time monitoring, reducing maintenance demands and operational challenges often observed with first-generation nutrient separation boxes. Sensors can be selected based on the water quality intent and the needs of the community. Second generation nutrient separation boxes are recommended in the table on the following page for all projects.

The Florida Department of Environmental Protection Statewide Best Management Practice Efficiencies was used to determine removal efficiencies for nitrogen and phosphorous. Refer to **Appendix K** for more information.

Dry Retention are grassed areas that store runoff above the water table. Dry retention reduces the nutrient load to receiving waters by holding back surface water runoff and allowing the water to naturally percolate through the soil.

Underground Detention provides storage for runoff using designed chambers. Preliminary treatment estimates for this analysis were based on ADS SC-310 Chambers. Please refer to **Appendix K** for details regarding the chamber type used in this analysis.

Elimination of Beach Outfalls is significant for water quality, as discharging to beaches impacts salinity and various water quality indicators. Discharging to the intracoastal allows more residence time to improve water quality before ultimately reaching the gulf.

To analyze the water quality improvements for each project, the BMP Trains software was utilized. Please refer to **Appendices A through J** for a summary of the input parameters and the calculated nutrient reduction achieved in each project. For projects that achieve other forms of water quality improvements, nutrient separation boxes are not

required but are recommended if additional water quality improvements are desired. The ICPR4 software was used to evaluate flood reduction improvements for each project. In **Appendices A through J,** visuals for the respective project include the existing versus proposed floodplains for improvements for the 100-Year 24-Hour, 25-Year 24-Hour, 10-Year 24-Hour, 5-Year 24-Hour, and 2-Year 24-Hour design storms and include the Node Maximum Stage Comparison Tables providing the change in peak stages due to the project. As the projects are conceptual, additional refinement to the projects during the design and permitting phase should address peak stage increases that are deemed adverse. Some projects are solely water quality improvements and have no adverse impact nor improvement to existing peak flood stages. Refer to **Table 1** for a summary of water quality approaches used for each proposed project.

Table 1: Water Quality Applications

Project	Water Quality Approach				
	Nutrient Separation Box	Dry Retention	Beach Outfall Removal	Underground Detention	Pervious Pavers
Outfall 12 Improvements	X				
Matanzas St Ditch Flood Control	X				
Downtown Flood Impact & Water Quality Improvements				X	O
Outfall 22 Improvements	X				
Outfall 10 Improvements	X	X	S		
Outfall 15 Improvements	X				
Home Park Rd Roadway Improvement	X				
Prentiss French Park Water Quality Project	O	X			
Venezia Park Water Quality Project	O	X			
John Nolen Park Water Quality Project	O	X			

Key:

X=Primary Water Quality Improvement O=Optional Water Quality Improvement

S=Supplemental Water Quality Improvement

2.0 Outfall Modification Projects

2.1 Outfall 12 Improvements

The Esplanade N runs north and south along the west edge of the Island of Venice and has concentrated areas that experience standing water on the road. The roadway drains north to Outfall 12. Outfall 12 and the majority of this trunkline are 24" pipes. It is recommended to upsize Outfall 12 along with the four (4) most downstream pipes of this trunkline to improve conveyance capacity for the runoff from Esplanade N. This project provides improvements to flooding experienced in the area, and the addition of a nutrient separation box directly upstream of the outfall provides water quality benefits. See **Appendix A-1** for a visual of the proposed treatment area and proposed drainage modifications.

2.2 Matanzas St Ditch Flood Control

Matanzas Street has an adjacent ditch to the east of Cadiz Road that currently floods the surrounding area during major storm events. This area drains to the main trunkline along Madrid Avenue, which outfalls to the ditch along Osprey Street and discharges to the northwest through Outfall 14. It is recommended to add a secondary discharge point for this area. Construction of pipes along Apalachicola Road and Ormond Street will provide a connection to the trunkline that drains to Outfall 12. It is also recommended to upsize the three pipes conveying runoff from the Matanzas Street Ditch. In current conditions, these are 12"x18" elliptical pipes and are restricting the discharge from the shallow ditch. The Outfall 12 Improvement project must be constructed prior to or in conjunction with this project. Without this additional outfall, upsizing the drainage pipes for the ditch will only provide very minor benefits. Connecting this drainage area to Outfall 12 will increase the area of treatment of the nutrient separation box recommended in the Outfall 12 Improvements Project. The BMP Trains analysis is based on the additional area that is conveyed to Outfall 12 from the Matanzas Street Ditch. See **Appendix B-1** for a visual of the proposed treatment area and proposed drainage modifications.

2.3 Downtown Flood Impact & Water Quality Improvements

In existing conditions, the downtown area adjacent to Nokomis Avenue S and W Venice Avenue has multiple documented flooding events. The main trunkline along Nokomis Avenue drains north towards Outfall 18, which is an existing 48" pipe. This trunkline

equalizes with the trunkline along N Tamiami Trail, which drains to Outfall 19. Outfall 19 is owned and maintained by the Florida Department of Transportation (FDOT). Outfall 18 should be upsized to accommodate the flows that drain to it.

As a part of this project, additional flood reduction and water quality improvements can be attained by constructing underground storage and pervious pavers at an existing parking lot on the northwest corner of W Venice Avenue and Nokomis Avenue N. Water quality benefits are estimated using 200 storage chambers to provide attenuation and treatment. Pervious pavers for the areas not draining to chambers can provide additional water quality benefits through percolation. Refer to **Appendix C-1** for a visual of the proposed treatment area and proposed drainage modifications.

2.4 Outfall 22 Improvements

Outfall 22 is located on the east side of the island and drains to the Intracoastal Waterway. It is directly east of Milan Avenue E and is located on the School Board of Sarasota County property. In current conditions, this outfall is a 30” pipe that discharges runoff from the adjacent areas including the schools and areas south of the downtown area. The addition of a nutrient separation box at this outfall will provide improvements to the water quality that discharges from this outfall. The project includes the addition of an inlet and a pipe to address a known flooding condition on Calle Laescuela Street. Refer to **Appendix D-1** for a visual of the proposed treatment area and proposed drainage modifications.

2.5 Outfall 10 Improvements

Outfall 10 is located at the southwest corner of the Island of Venice and discharges to the Gulf of Mexico. It is the discharge point for the wetlands surrounding the area, which are southwest of the intersection of Harbor Drive S and Beach Road. It is recommended to improve the quality of the wetlands by removing invasive plant species and regrading the wetlands to optimize function. To remove a beach outfall, the project will redirect the discharge of these wetlands to drain south towards Red Lake through a closed conveyance system. The removal of area discharging to the coastline provides significant water quality benefits. It is also recommended to construct bioswales along the east side of Harbor Drive S to provide attenuation and treatment. In addition, the installation of a nutrient separation box at a location upstream of Red Lake is recommended to provide

more water quality benefits. Refer to **Appendix E-1** for a visual of the proposed treatment area and proposed drainage modifications.

2.6 Outfall 15 Improvements

The residential area adjacent to the Parkdale Drive corridor, platted as part of Bayshore Estates Unit 2, has consistently experienced major flooding issues. This area is located east of Park Boulevard N. This section of the Bayshore Estates community drains to the trunkline along Park Boulevard N, which is also known to flood. The area drains to Outfall 15, a 24”x38” pipe. The main trunkline between the community and Outfall 15 consists of 24” diameter pipes with no increase in pipe size as the contributing drainage area increases. There is a pipe in this trunkline that is an 18” HDPE located at the Baycrest Drive and Park Boulevard N intersection. It is recommended to increase the size of the trunkline and increase the size of the outfall pipe or connect to existing Outfall 16. Due to Outfall 15 being located between two residential properties, the horizontal space between the houses may not accommodate a larger pipe. Tying into the adjacent Outfall 16 can provide the additional conveyance necessary to alleviate flooding in the Bayshore Estates community. However, there is limited information available regarding Outfall 16, so it is recommended that these alternatives be investigated further during design phase before finalizing the preferred approach. Refer to **Appendix F-1** for a visual of the project area as well as the flooding that occurs in this area.

3.0 Roadway Flooding Improvements

3.1 Home Park Rd Roadway Improvement

Home Park Road is located south of E Venice Avenue and east of Country Club Way. This neighborhood is directly adjacent to Hatchett Creek. Hatchett Creek runs northwest towards this neighborhood, then turns north and crosses under E Venice Avenue. Where the Hatchett Creek takes this turn, the neighborhood experiences the most significant flooding impacts. The creek overtops the top of bank and spills onto the roadway. It is recommended to elevate the roadway in this area and reinforce the existing berm to increase resiliency for Home Park Road while providing equivalent conveyance capacity in the creek. Road elevation would depend on the existing finished floor elevations of the homes adjacent to the project area. The drainage infrastructure in this area discharges to Hatchett Creek through an outfall located at the intersection of Home Park Road and Cypress Avenue. To provide water quality improvements in this area, it is recommended

to add a nutrient separation box at this outfall to provide nutrient separation and water quality benefits. Refer to **Appendix G-1** for a visual of the project area as well as the flooding that occurs in this area.

4.0 Water Quality Projects

4.1 Venezia Park Water Quality Project

Venezia Park is a City-owned parcel located east of Harbor Drive S and south of Salerno Street. The project will expand the use of the open space within the park for storage and water quality improvements while maintaining passive recreational use of the park. Extension of the Pump 3 discharge pipe to Venezia Park would redirect flow into the created storage area where treatment volume can be retained and allowed to naturally percolate. The proposed retention area will discharge to the Outfall 22 basin by connection to the main trunkline with proposed 24" pipes. Higher runoff volumes will bypass and drain to the Intracoastal Waterway. With these improvements, part of the runoff volume draining to Flamingo Ditch can be redirected through Venezia Park and to the Intracoastal Waterway. Refer to **Appendix H-1** for a visual of the proposed treatment area and proposed pipes. ***Table 2*** below provides estimated elevations, areas, and treatment volumes for the dry retention pond in Venezia Park.

***Table 2**: Venezia Park Estimated Treatment Values*

	Elevation (ft)	Area (ac)	Volume (ac-ft)
Pond Bottom	12.00	1.17	0.00
Treatment Elevation	13.00	1.20	1.185
Pond Top of Bank	14.50	1.24	1.83

4.2 Prentiss French Park Water Quality Project

Prentiss French Park is a City-owned parcel located directly south of the residential area adjacent to the Parkdale Drive corridor that is heavily flooded during major storm events. The project will expand the use of the open space within the park for storage and water quality improvements while maintaining passive recreational use of the park. Part of the trunkline along Narvaezi Street that drains to Outfall 15 can be redirected to Prentiss French Park where runoff volume can be retained and allowed to naturally percolate, and higher runoff volumes can be directed to the Intracoastal Waterway. This park could

provide flood storage and relief to the surrounding communities. The proposed retention area will connect and discharge to the Outfall 17 trunkline. Refer to **Appendix I-1** for a visual of the proposed treatment area and proposed pipes. ***Table 3*** below provides estimated elevations, areas, and treatment volumes for the dry retention pond in Prentiss French Park.

Table 3: *Prentiss French Park Estimated Treatment Values*

	Elevation (ft)	Area (ac)	Volume (ac-ft)
Pond Bottom	6.00	0.49	0.00
Treatment Elevation	7.00	0.59	0.538
Pond Top of Bank	10.00	0.89	2.22

4.3 John Nolen Park Water Quality Project

John Nolen Park is located north of Menendez Street and east of Park Blvd S. The project will expand the use of the open space within the park for storage and natural infiltration reducing nutrient load and the volume of runoff. Water quality will be improved while maintaining passive recreational use of the park. The John Nolen Park outfall will connect to the trunkline that drains to Outfall 17 to alleviate some of the volume of runoff currently discharging through Outfall 15. Refer to **Appendix J-1** for a visual of the proposed treatment area and proposed pipes. ***Table 4*** below provides estimated elevations, areas, and treatment volumes for the dry retention pond in John Nolen Park.

Table 4: *John Nolen Park Estimated Treatment Values*

	Elevation (ft)	Area (ac)	Volume (ac-ft)
Pond Bottom	12.00	1.12	0.00
Treatment Elevation	13.00	1.20	1.16
Pond Top of Bank	14.00	1.28	1.24

A-1 100-YR 24-HR Floodplain Map

A-2 25-YR 24-HR Floodplain Map

A-3 10-YR 24-HR Floodplain Map

A-4 5-YR 24-HR Floodplain Map

A-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

A-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix A – Outfall 12 Improvements

12

14

Legend

- Project Contributing Area
- Treatment Basins

Outfall 12 Floodplain

- 100-Year 24-Hour Floodplain

Existing Floodplain

- 100-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

OUTFALL 12 IMPROVEMENTS

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 75 150 Feet

N

Kimley»Horn

A-1

12

14

Legend

- Project Contributing Area
- Treatment Basins

Outfall 12 Floodplain

- 25-Year 24-Hour Floodplain

Existing Floodplain

- 25-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

OUTFALL 12 IMPROVEMENTS

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 75 150 Feet

N

Kimley»Horn

A-2



OUTFALL 12 IMPROVEMENTS

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 75 150 Feet

N

Kimley»Horn

A-3

12

14

Legend

- Project Contributing Area
- Treatment Basins

Outfall 12 Floodplain

- 5-Year 24-Hour Floodplain

Existing Floodplain

- 5-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

OUTFALL 12 IMPROVEMENTS

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

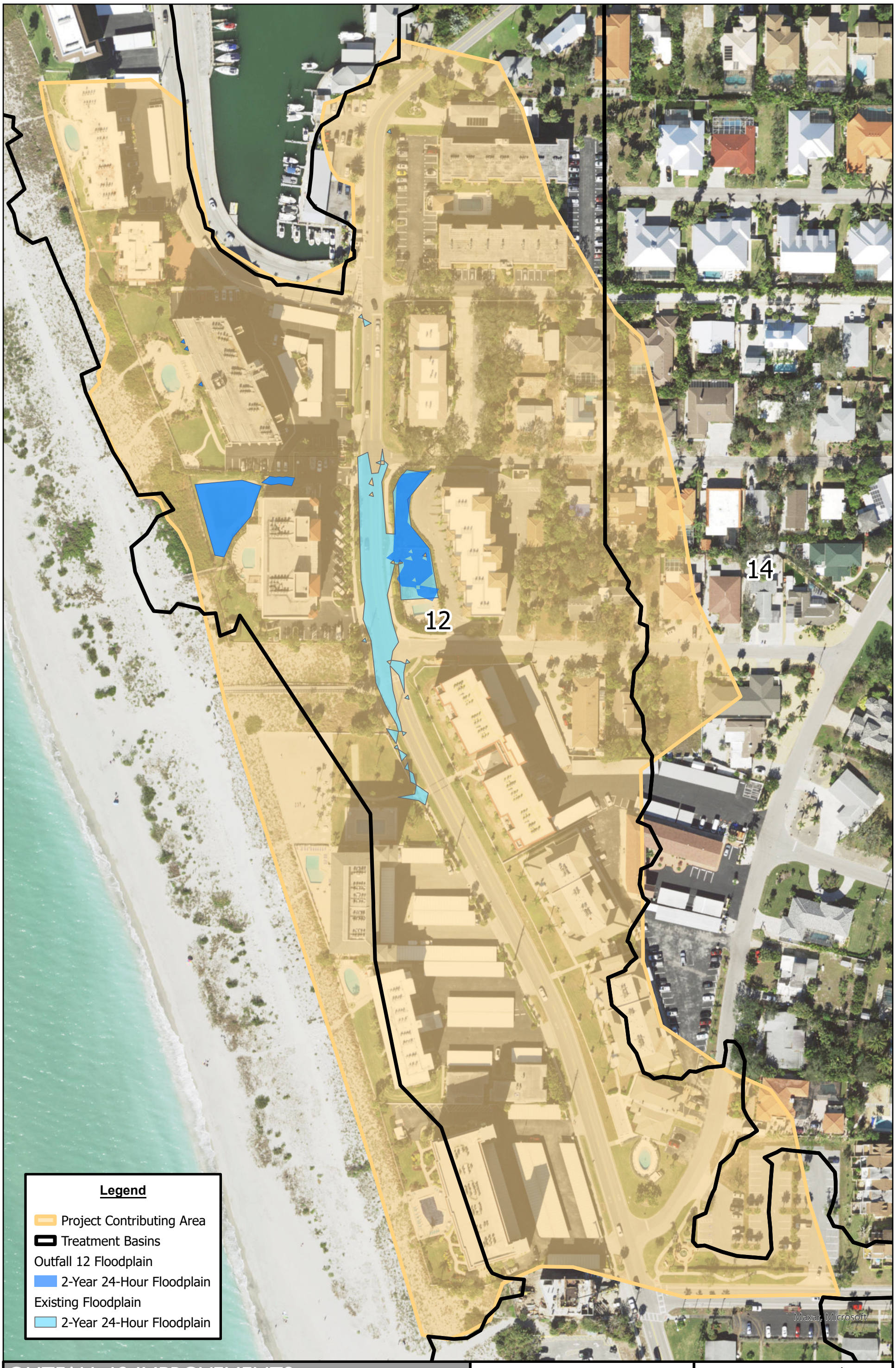
JANUARY 2025

0 75 150 Feet

N

Kimley»Horn

A-4



OUTFALL 12 IMPROVEMENTS
2-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 75 150 Feet

N

Kimley»Horn

A-5

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	0.00	8.02	8.02	0.00	7.32	7.31	-0.01	6.41	6.41	0.00	5.51	5.51	0.00
00100A	9.79	9.79	0.00	9.57	9.57	0.00	9.36	9.36	0.00	8.89	8.89	0.00	7.70	7.70	0.00
00100B	9.83	9.83	0.00	9.60	9.60	0.00	9.38	9.38	0.00	8.92	8.92	0.00	7.90	7.90	0.00
00100C	9.88	9.88	0.00	9.63	9.63	0.00	9.40	9.40	0.00	8.93	8.93	0.00	7.99	7.99	0.00
00200	9.91	9.91	0.00	9.65	9.65	0.00	9.41	9.41	0.00	8.94	8.94	0.00	8.08	8.08	0.00
00200A	6.29	6.29	0.00	6.19	6.19	0.00	6.10	6.10	0.00	5.96	5.96	0.00	5.80	5.80	0.00
00204	10.41	10.41	0.00	10.09	10.09	0.00	9.84	9.84	0.00	9.64	9.64	0.00	9.32	9.32	0.00
00210	10.67	10.67	0.00	10.40	10.40	0.00	10.19	10.19	0.00	10.02	10.02	0.00	9.74	9.74	0.00
00212	11.81	11.81	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.96	0.00
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.75	0.00	11.53	11.53	0.00	11.37	11.37	0.00	11.13	11.13	0.00
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.71	0.00	11.54	11.54	0.00	11.33	11.33	0.00
00220	12.44	12.44	0.00	12.14	12.14	0.00	11.92	11.92	0.00	11.76	11.76	0.00	11.56	11.56	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.86	0.00
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.53	0.00
00234	12.90	12.90	0.00	12.78	12.78	0.00	12.70	12.70	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.38	0.00	13.18	13.18	0.00	13.03	13.03	0.00	12.81	12.81	0.00
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.54	0.00
00242	13.79	13.79	0.00	13.56	13.56	0.00	13.36	13.36	0.00	13.22	13.22	0.00	12.99	12.99	0.00
00250	14.06	14.06	0.00	13.88	13.88	0.00	13.70	13.70	0.00	13.57	13.57	0.00	13.33	13.33	0.00
00251	13.77	13.77	0.00	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.76	0.00	2.92	2.92	0.00	2.45	2.45	0.00	2.19	2.19	0.00	1.94	1.94	0.00
00501	3.83	3.83	0.00	2.98	2.98	0.00	2.50	2.50	0.00	2.24	2.24	0.00	1.97	1.97	0.00
00502	4.34	4.34	0.00	3.43	3.43	0.00	2.93	2.93	0.00	2.64	2.64	0.00	2.31	2.31	0.00
00510	5.37	5.37	0.00	5.04	5.04	0.00	4.58	4.58	0.00	4.04	4.04	0.00	3.34	3.34	0.00
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.03	0.00	6.62	6.62	0.00	6.00	6.00	0.00	5.05	5.05	0.00	3.88	3.88	0.00
00516	7.84	7.84	0.00	7.23	7.23	0.00	6.56	6.56	0.00	5.72	5.72	0.00	4.58	4.58	0.00
00520	10.02	10.02	0.00	9.78	9.78	0.00	9.55	9.55	0.00	9.28	9.28	0.00	7.71	7.71	0.00
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.29	0.00	10.19	10.19	0.00	9.75	9.75	0.00
00522	11.64	11.64	0.00	11.32	11.32	0.00	11.07	11.07	0.00	10.91	10.91	0.00	10.38	10.38	0.00
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.93	0.00	11.20	11.20	0.00
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.66	0.00	11.05	11.05	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.81	0.00	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.32	0.00
00532	13.59	13.59	0.00	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.60	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.17	0.00
00537	13.67	13.67	0.00	13.53	13.53	0.00	13.44	13.44	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.77	0.00	13.63	13.63	0.00	13.55	13.55	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.78	0.00	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.13	0.00	12.68	12.68	0.00	11.61	11.61	0.00
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.15	0.00	12.79	12.79	0.00	12.64	12.64	0.00
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.47	0.00
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.31	0.00	12.68	12.68	0.00
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.09	0.00	14.68	14.68	0.00	12.87	12.87	0.00
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.54	0.00	13.09	13.09	0.00	11.85	11.85	0.00
00572	14.38	14.38	0.00	14.20	14.20	0.00	13.99	13.99	0.00	13.60	13.60	0.00	12.16	12.16	0.00
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.11	0.00	12.46	12.46	0.00
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.47	0.00	14.11	14.11	0.00	12.46	12.46	0.00
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.54	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	12.68	12.68	0.00
00575B	14.89	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	13.99	13.99	0.00
00576	15.83	15.83	0.00	15.44	15.44	0.00	15.10	15.10	0.00	14.71	14.71	0.00	12.91	12.91	0.00
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.19	0.00	14.81	14.81	0.00	12.97	12.97	0.00
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	0.00	15.46	15.46	0.00	15.09	15.09	0.00	13.10	13.10	0.00
00582	16.54	16.54	0.00	16.25	16.25	0.00	15.74	15.74	0.00	15.25	15.25	0.00	13.16	13.16	0.00
00583	16.69	16.69	0.00	16.35	16.35	0.00	15.79	15.79	0.00	15.28	15.28	0.00	13.17	13.17	0.00
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.59	0.00	15.29	15.29	0.00	13.22	13.22	0.00
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.43	0.00	13.31	13.31	0.00
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.61	0.00	13.44	13.44	0.00
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.33	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.88	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.76	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.00	0.00	8.53	8.53	0.00	7.97	7.97	0.00	7.30	7.30	0.00	6.71	6.71	0.00
01005	9.04	9.04	0.00	8.58	8.58	0.00	8.02	8.02	0.00	7.37	7.37	0.00	6.82	6.82	0.00
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.72	0.00	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.00	0.00	8.53	8.53	0.00	7.98	7.98	0.00	7.38	7.38	0.00	6.84	6.84	0.00
01100F	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	8.99	0.00	8.51	8.51	0.00	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.72	0.00	8.46	8.46	0.00	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.99	0.00	8.53	8.53	0.00	7.99	7.99	0.00	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.40	7.40	0.00	6.90	6.90	0.00
01200	3.13	2.34	-0.79	2.56	1.86	-0.70	2.45	1.74	-0.71	2.35	1.66	-0.69	2.02	1.55	-0.46
01201	3.38	3.31	-0.06	3.10	2.99	-0.11	2.94	2.57	-0.37	2.84	2.34	-0.51	2.34	1.94	-0.40
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.36	-0.06	2.09	1.97	-0.12	1.90	1.78	-0.12	1.81	1.73	-0.08	1.72	1.67	-0.06
01203	4.26	4.18	-0.08	3.79	3.62	-0.17	3.53	3.10	-0.43	3.47	3.05	-0.42	3.27	3.03	-0.23
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.60	-0.03	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.18	-0.07	3.79	3.62	-0.17	3.53	3.07	-0.46	3.47	2.75	-0.72	3.26	2.24	-1.02
01222	5.94	5.88	-0.06	5.23	4.85	-0.38	4.16	3.40	-0.76	3.97	3.00	-0.97	3.56	2.40	-1.16
01223	5.94	5.87	-0.06	5.23	4.85	-0.38	4.17	3.49	-0.68	3.98	3.08	-0.90	3.61	2.48	-1.14
01224	5.94	5.88	-0.06	5.23	4.86	-0.37	4.20	3.69	-0.50	4.02	3.43	-0.58	3.69	2.71	-0.98
01225	6.10	6.05	-0.05	5.36	5.19	-0.17	4.59	4.13	-0.46	4.35	3.77	-0.58	3.89	2.91	-0.98
01226	6.84	6.81	-0.03	6.04	5.92	-0.13	5.31	4.96	-0.35	4.99	4.45	-0.54	4.27	3.30	-0.97
01227	7.34	7.32	-0.02	6.52	6.43	-0.09	5.79	5.50	-0.29	5.43	4.89	-0.53	4.52	3.82	-0.70
01228	7.83	7.83	-0.01	7.02	6.96	-0.06	6.21	6.10	-0.11	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.99	0.00	7.89	7.88	-0.01	7.01	6.99	-0.02	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.38	8.38	0.00	8.01	8.00	0.00	7.10	7.08	-0.02	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.63	0.00	7.94	7.94	-0.01	7.12	7.11	-0.01	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.38	0.00	8.00	8.00	0.00	7.32	7.31	-0.01	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.31	-0.01	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.31	-0.01	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.12	0.00	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.53	0.00	4.06	4.06	0.00	3.82	3.82	0.00	3.64	3.64	0.00	3.32	3.32	0.00
01401	6.39	6.39	0.00	5.53	5.53	0.00	5.14	5.14	0.00	4.87	4.87	0.00	4.39	4.39	0.00
01402	6.46	6.46	0.00	5.62	5.62	0.00	5.24	5.24	0.00	4.98	4.98	0.00	4.54	4.54	0.00
01403	7.40	7.40	0.00	6.22	6.22	0.00	5.75	5.75	0.00	5.47	5.47	0.00	4.95	4.95	0.00
01410	8.69	8.69	0.00	7.58	7.58	0.00	6.88	6.88	0.00	6.55	6.55	0.00	5.86	5.86	0.00
01411	8.94	8.94	0.00	7.87	7.87	0.00	7.03	7.03	0.00	6.67	6.67	0.00	5.96	5.96	0.00
01412	9.11	9.11	0.00	8.63	8.63	0.00	7.58	7.58	0.00	7.01	7.01	0.00	6.25	6.25	0.00
01413	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.60	6.60	0.00
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.68	0.00	9.30	9.30	0.00	7.97	7.97	0.00
01415	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01416	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01417	9.12	9.12	0.00	8.65	8.65	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.64	6.64	0.00
01420	9.10	9.10	0.00	8.52	8.52	0.00	7.78	7.78	0.00	7.42	7.42	0.00	6.58	6.58	0.00
01421	8.94	8.94	0.00	8.68	8.68	0.00	8.23	8.23	0.00	7.95	7.95	0.00	7.41	7.41	0.00
01422	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01430	9.14	9.14	0.00	8.70	8.70	0.00	8.48	8.48	0.00	8.19	8.19	0.00	7.17	7.17	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.14	0.00	8.71	8.71	0.00	8.50	8.50	0.00	8.29	8.29	0.00	7.99	7.99	0.00
01432	9.15	9.15	0.00	8.71	8.71	0.00	8.58	8.58	0.00	8.45	8.45	0.00	8.19	8.19	0.00
01433	9.15	9.15	0.00	8.73	8.73	0.00	8.60	8.60	0.00	8.51	8.51	0.00	8.38	8.38	0.00
01440	9.16	9.16	0.00	8.77	8.77	0.00	8.63	8.63	0.00	8.48	8.48	0.00	8.21	8.21	0.00
01441	9.16	9.16	0.00	8.76	8.76	0.00	8.62	8.62	0.00	8.47	8.47	0.00	8.21	8.21	0.00
01442	9.28	9.28	0.00	9.11	9.11	0.00	8.98	8.98	0.00	8.85	8.85	0.00	8.61	8.61	0.00
01450	9.30	9.30	0.00	9.15	9.15	0.00	9.04	9.04	0.00	8.95	8.95	0.00	8.84	8.84	0.00
01451	9.19	9.19	0.00	8.89	8.89	0.00	8.80	8.80	0.00	8.74	8.74	0.00	8.68	8.68	0.00
01452	10.69	10.69	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.42	0.00	13.34	13.34	0.00	13.27	13.27	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01501	5.29	5.29	0.00	5.14	5.14	0.00	5.03	5.03	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01502	5.32	5.32	0.00	5.15	5.15	0.00	5.04	5.04	0.00	4.94	4.94	0.00	4.80	4.80	0.00
01503	5.69	5.69	0.00	5.41	5.41	0.00	5.26	5.26	0.00	5.13	5.13	0.00	4.89	4.89	0.00
01504	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01510	6.30	6.30	0.00	6.25	6.25	0.00	6.22	6.22	0.00	6.20	6.20	0.00	6.16	6.16	0.00
01520	7.68	7.68	0.00	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.48	0.00
01530	8.32	8.32	0.00	7.93	7.93	0.00	7.76	7.76	0.00	7.69	7.69	0.00	7.60	7.60	0.00
01531	7.10	7.10	0.00	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.93	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.89	0.00	8.68	8.68	0.00	8.51	8.51	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01541	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01550	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01551	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01552	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.52	0.00	5.72	5.72	0.00	5.29	5.29	0.00	4.97	4.97	0.00	3.96	3.96	0.00
01701	6.29	6.29	0.00	5.57	5.57	0.00	4.60	4.60	0.00	3.66	3.66	0.00	3.21	3.21	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.89	0.00	8.77	8.77	0.00	8.31	8.31	0.00	7.14	7.14	0.00	6.22	6.22	0.00
01711	8.87	8.87	0.00	8.76	8.76	0.00	8.36	8.36	0.00	7.52	7.52	0.00	7.03	7.03	0.00
01712	7.79	7.79	0.00	7.68	7.68	0.00	7.59	7.59	0.00	7.52	7.52	0.00	7.44	7.44	0.00
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.04	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.52	0.00	8.86	8.86	0.00	7.64	7.64	0.00
01730	11.07	11.07	0.00	11.01	11.01	0.00	10.96	10.96	0.00	10.66	10.66	0.00	9.39	9.39	0.00
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.00	12.90	12.90	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.65	0.00
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.28	0.00	14.18	14.18	0.00	13.70	13.70	0.00
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.56	0.00
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.62	13.62	0.00
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.00
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.68	0.00
01800	8.51	8.51	0.00	6.96	6.96	0.00	5.38	5.38	0.00	4.43	4.43	0.00	3.40	3.40	0.00
01810	10.46	10.46	0.00	9.95	9.95	0.00	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.52	0.00	10.17	10.17	0.00	7.46	7.46	0.00	5.63	5.63	0.00	3.99	3.99	0.00
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.01	0.00	10.68	10.68	0.00	8.15	8.15	0.00	6.04	6.04	0.00	4.23	4.23	0.00
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.98	0.00	11.68	11.68	0.00	9.53	9.53	0.00	8.45	8.45	0.00	7.76	7.76	0.00
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.21	0.00	11.96	11.96	0.00	11.53	11.53	0.00	11.15	11.15	0.00	10.53	10.53	0.00
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.24	0.00	11.99	11.99	0.00	11.66	11.66	0.00	11.39	11.39	0.00	10.79	10.79	0.00
01870	12.25	12.25	0.00	12.00	12.00	0.00	11.67	11.67	0.00	11.41	11.41	0.00	10.92	10.92	0.00
01880	12.35	12.35	0.00	12.12	12.12	0.00	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.00
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	0.00	4.64	4.64	0.00
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.21	0.00	5.18	5.18	0.00
01902	8.13	8.13	0.00	7.67	7.67	0.00	7.25	7.25	0.00	6.88	6.88	0.00	5.53	5.53	0.00
01911	8.14	8.14	0.00	7.68	7.68	0.00	7.26	7.26	0.00	6.88	6.88	0.00	5.54	5.54	0.00
01920	9.39	9.39	0.00	8.60	8.60	0.00	8.15	8.15	0.00	7.73	7.73	0.00	6.57	6.57	0.00
01921	10.76	10.76	0.00	9.54	9.54	0.00	9.12	9.12	0.00	8.70	8.70	0.00	7.13	7.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.60	0.00	10.86	10.86	0.00	10.52	10.52	0.00	10.14	10.14	0.00	7.95	7.95	0.00
01940	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.27	11.27	0.00	8.58	8.58	0.00
01950	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.28	11.28	0.00	8.61	8.61	0.00
01953	12.26	12.26	0.00	12.01	12.01	0.00	11.69	11.69	0.00	11.33	11.33	0.00	8.81	8.81	0.00
01954	12.34	12.34	0.00	12.08	12.08	0.00	11.94	11.94	0.00	11.82	11.82	0.00	10.47	10.47	0.00
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.55	0.00	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.32	0.00	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.89	0.00	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.69	0.00	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.99	0.00	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	0.00	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.22	0.00	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.33	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.45	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.85	0.00
02250	12.38	12.38	0.00	11.92	11.92	0.00	11.25	11.25	0.00	10.45	10.45	0.00	9.81	9.81	0.00
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.89	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.29	0.00	11.97	11.97	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	0.00	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	0.00	12.07	12.07	0.00	11.64	11.64	0.00	10.94	10.94	0.00	10.44	10.44	0.00
02261	12.35	12.35	0.00	12.06	12.06	0.00	11.65	11.65	0.00	11.06	11.06	0.00	10.80	10.80	0.00
02270	12.50	12.50	0.00	12.35	12.35	0.00	12.21	12.21	0.00	11.97	11.97	0.00	11.74	11.74	0.00
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.28	0.00	12.13	12.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.16	0.00	13.07	13.07	0.00	12.94	12.94	0.00
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.38	0.00	12.19	12.19	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.23	0.00	12.81	12.81	0.00	12.47	12.47	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	0.00	13.23	13.23	0.00	12.73	12.73	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.98	0.00	12.89	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.35	0.00
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.11	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	0.00	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.94	0.00	13.03	13.03	0.00
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.44	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.68	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.51	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.23	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.66	0.00	10.33	10.33	0.00
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.85	0.00
N00235	13.20	13.20	0.00	12.95	12.95	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.41	0.00
N00237	13.37	13.37	0.00	13.12	13.12	0.00	12.91	12.91	0.00	12.76	12.76	0.00	12.58	12.58	0.00
N00255	14.05	14.05	0.00	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.28	0.00	6.09	6.09	0.00	5.93	5.93	0.00	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	0.00	6.58	6.58	0.00	6.48	6.48	0.00	5.81	5.81	0.00
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.09	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 12 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Outfall 12

Check Valve

MADRID AVE

ORMOND ST

THE ESPLANADE N

MATANZAS ST

Maxar, Microsoft

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Baffle Box
- Structures
- Upsize Pipes
- Project Contributing Area

OUTFALL 12 IMPROVEMENTS

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 75 150 Feet

N

Kimley»Horn

A-6

Complete Report (not including cost) Ver 4.3.5

Project: Outfall 12 Improvements
Date: 10/27/2024 3:02:39 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Outfall 12
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	23.91
Rational Coefficient (0-1)	0.04
Non DCIA Curve Number	61.70
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	4.638
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	11.837
Phosphorus Loading (kg/yr)	1.870

Post-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	23.91
Rational Coefficient (0-1)	0.04
Non DCIA Curve Number	61.70
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	4.638
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	11.837
Phosphorus Loading (kg/yr)	1.870

Catchment Number: 1 Name: Outfall 1500

Project: Outfall 1200
Date: 10/27/2024

User Defined BMP Design

Contributing Catchment Area (acres)	23.910
Provided Nitrogen Treatment Efficiency (%)	19
Provided Phosphorus Treatment Efficiency (%)	16

Watershed Characteristics

Catchment Area (acres)	23.91
Contributing Area (acres)	23.910
Non-DCIA Curve Number	61.70
DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	19
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	16

Media Mix Information

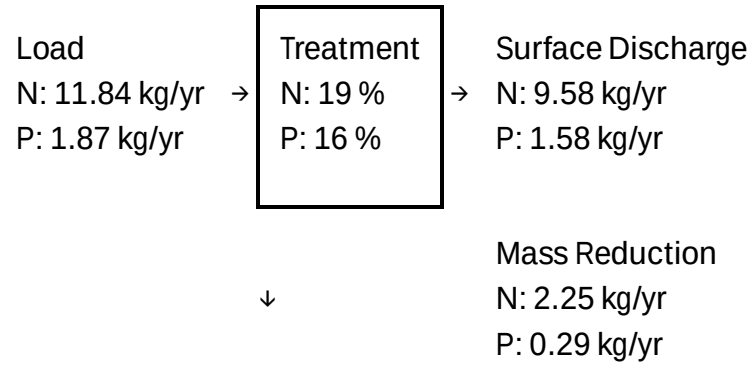
Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

Groundwater Discharge (Stand-Alone)

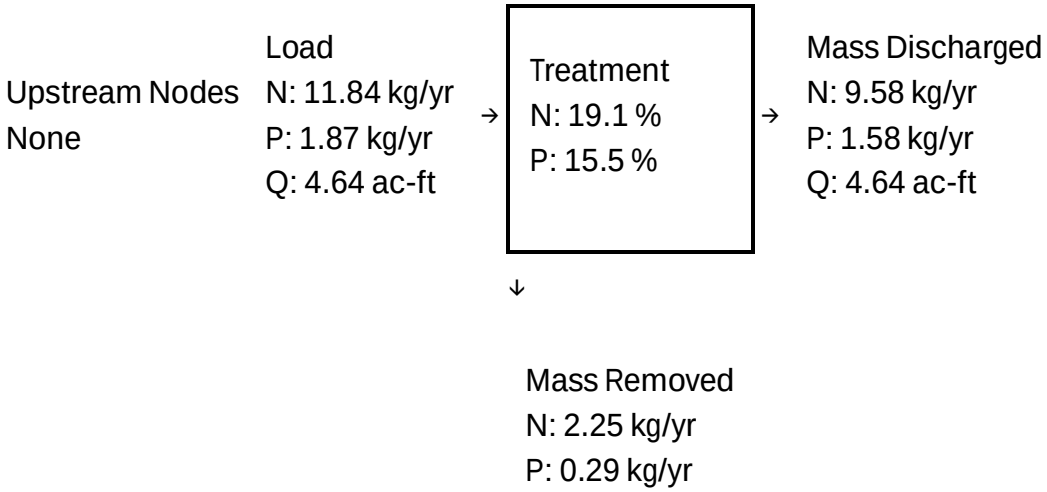
Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.000
TN Concentration (mg/L)	0.000

TP Mass Load (kg/yr)	0.000
TP Concentration (mg/L)	0.000

Load Diagram for User Defined BMP (stand-alone)



Load Diagram for User Defined BMP (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Outfall 1200 Improvements

Analysis Type: BMP Analysis

Date:10/27/2024

BMP Types:

Catchment 1 - (Outfall 1500)

User Defined BMP

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge		
Total N post load	11.84 kg/yr	
Percent N load reduction	19 %	
Provided N discharge load	9.58 kg/yr	21.13 lb/yr
Provided N load removed	2.25 kg/yr	4.97 lb/yr

Phosphorus

Surface Water Discharge		
Total P post load	1.87 kg/yr	
Percent P load reduction	16 %	
Provided P discharge load	1.58 kg/yr	3.48 lb/yr
Provided P load removed	.29 kg/yr	.639 lb/yr

B-1 100-YR 24-HR Floodplain Map

B-2 25-YR 24-HR Floodplain Map

B-3 10-YR 24-HR Floodplain Map

B-4 5-YR 24-HR Floodplain Map

B-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

B-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix B – Matanzas St Ditch Flood Control



MATANZAS ST DITCH FLOOD CONTROL

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

B-1

15

12

14

1

Legend

- Project Contributing Area
- Treatment Basins

Matanzas St Ditch Floodplain

- 25-Year 24-Hour Floodplain

Existing Floodplain

- 25-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

MATANZAS ST DITCH FLOOD CONTROL

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

B-2



MATANZAS ST DITCH FLOOD CONTROL

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

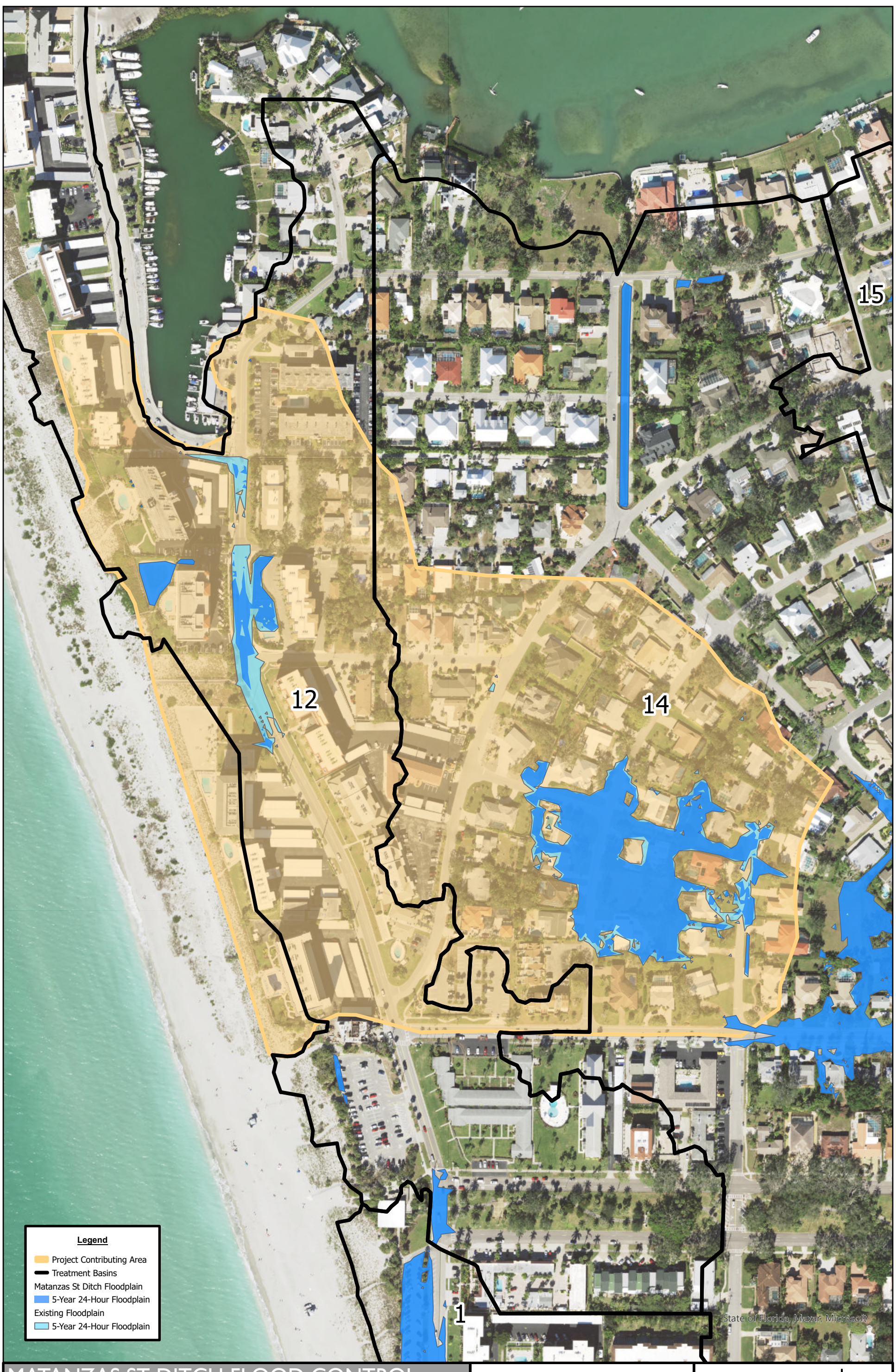
JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

B-3



MATANZAS ST DITCH FLOOD CONTROL

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

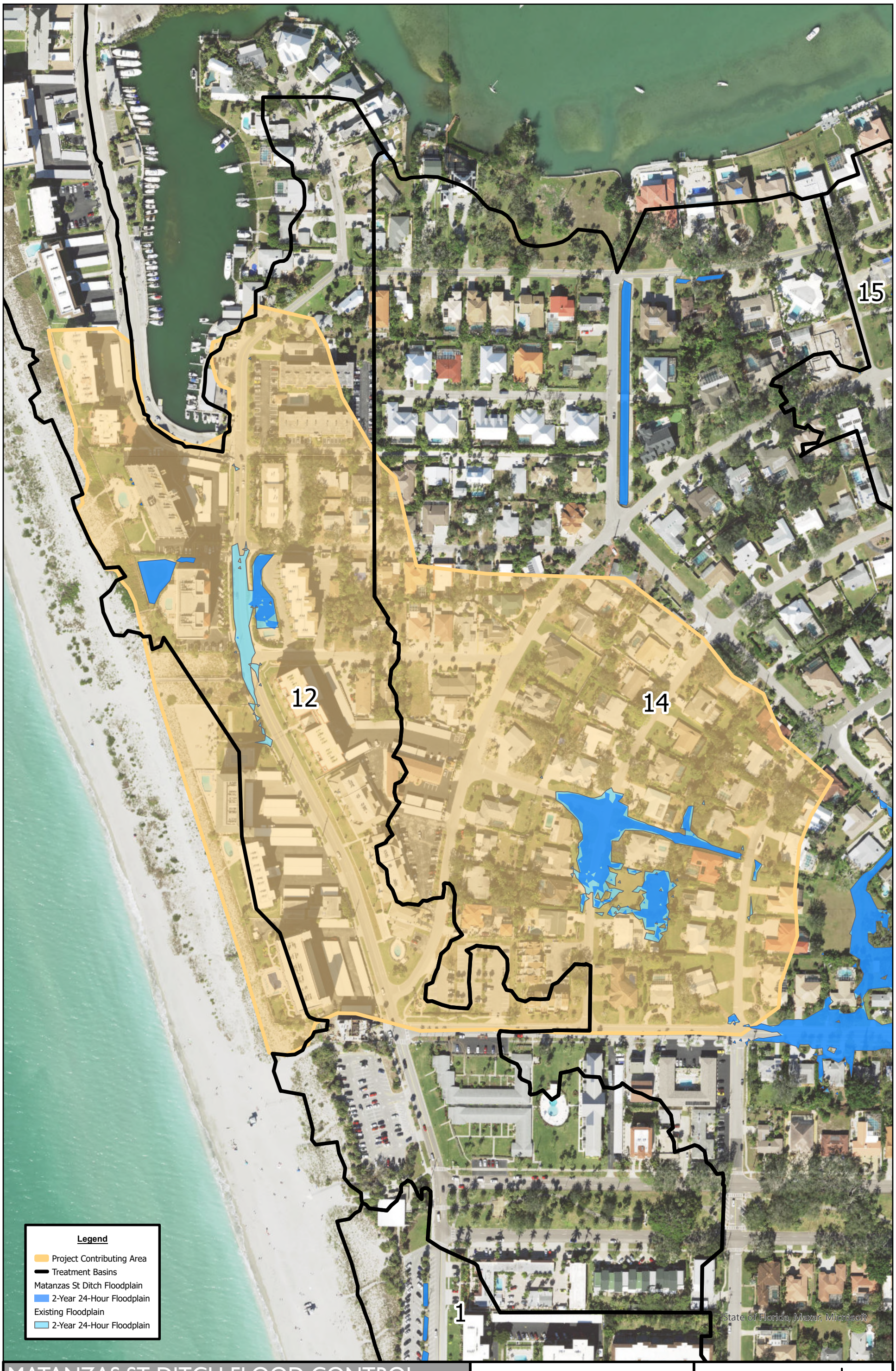
JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

B-4



MATANZAS ST DITCH FLOOD CONTROL

2-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

B-5

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	0.00	8.02	8.02	0.00	7.32	7.31	-0.01	6.41	6.41	0.00	5.51	5.51	0.00
00100A	9.79	9.79	0.00	9.57	9.57	0.00	9.36	9.36	0.00	8.89	8.89	0.00	7.70	7.70	0.00
00100B	9.83	9.83	0.00	9.60	9.60	0.00	9.38	9.38	0.00	8.92	8.92	0.00	7.90	7.90	0.00
00100C	9.88	9.88	0.00	9.63	9.63	0.00	9.40	9.40	0.00	8.93	8.93	0.00	7.99	7.99	0.00
00200	9.91	9.91	0.00	9.65	9.65	0.00	9.41	9.41	0.00	8.94	8.94	0.00	8.08	8.08	0.00
00200A	6.29	6.29	0.00	6.19	6.19	0.00	6.10	6.10	0.00	5.96	5.96	0.00	5.80	5.80	0.00
00204	10.41	10.41	0.00	10.09	10.09	0.00	9.84	9.84	0.00	9.64	9.64	0.00	9.32	9.32	0.00
00210	10.67	10.67	0.00	10.40	10.40	0.00	10.19	10.19	0.00	10.02	10.02	0.00	9.74	9.74	0.00
00212	11.81	11.81	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.96	0.00
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.75	0.00	11.53	11.53	0.00	11.37	11.37	0.00	11.13	11.13	0.00
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.71	0.00	11.54	11.54	0.00	11.33	11.33	0.00
00220	12.44	12.44	0.00	12.14	12.14	0.00	11.92	11.92	0.00	11.76	11.76	0.00	11.56	11.56	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.86	0.00
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.53	0.00
00234	12.90	12.90	0.00	12.78	12.78	0.00	12.70	12.70	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.38	0.00	13.18	13.18	0.00	13.03	13.03	0.00	12.81	12.81	0.00
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.54	0.00
00242	13.79	13.79	0.00	13.56	13.56	0.00	13.36	13.36	0.00	13.22	13.22	0.00	12.99	12.99	0.00
00250	14.06	14.06	0.00	13.88	13.88	0.00	13.70	13.70	0.00	13.57	13.57	0.00	13.33	13.33	0.00
00251	13.77	13.77	0.00	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.76	0.00	2.92	2.92	0.00	2.45	2.45	0.00	2.19	2.19	0.00	1.94	1.94	0.00
00501	3.83	3.83	0.00	2.98	2.98	0.00	2.50	2.50	0.00	2.24	2.24	0.00	1.97	1.97	0.00
00502	4.34	4.34	0.00	3.43	3.43	0.00	2.93	2.93	0.00	2.64	2.64	0.00	2.31	2.31	0.00
00510	5.37	5.37	0.00	5.04	5.04	0.00	4.58	4.58	0.00	4.04	4.04	0.00	3.34	3.34	0.00
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.03	0.00	6.62	6.62	0.00	6.00	6.00	0.00	5.05	5.05	0.00	3.88	3.88	0.00
00516	7.84	7.84	0.00	7.23	7.23	0.00	6.56	6.56	0.00	5.72	5.72	0.00	4.58	4.58	0.00
00520	10.02	10.02	0.00	9.78	9.78	0.00	9.55	9.55	0.00	9.28	9.28	0.00	7.71	7.71	0.00
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.29	0.00	10.19	10.19	0.00	9.75	9.75	0.00
00522	11.64	11.64	0.00	11.32	11.32	0.00	11.07	11.07	0.00	10.91	10.90	0.00	10.38	10.38	0.00
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.93	0.00	11.20	11.20	0.00
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.66	0.00	11.05	11.05	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.81	0.00	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.32	0.00
00532	13.59	13.59	0.00	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.60	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.17	0.00
00537	13.67	13.67	0.00	13.53	13.53	0.00	13.44	13.44	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.77	0.00	13.63	13.63	0.00	13.55	13.55	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.78	0.00	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.13	0.00	12.68	12.68	0.00	11.61	11.61	0.00
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.15	0.00	12.79	12.79	0.00	12.64	12.64	0.00
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.47	0.00
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.31	0.00	12.68	12.68	0.00
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.09	0.00	14.68	14.68	0.00	12.87	12.87	0.00
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.54	0.00	13.09	13.09	0.00	11.85	11.85	0.00
00572	14.38	14.38	0.00	14.20	14.20	0.00	13.99	13.99	0.00	13.60	13.60	0.00	12.16	12.16	0.00
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.11	0.00	12.46	12.46	0.00
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.47	0.00	14.11	14.11	0.00	12.46	12.46	0.00
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.54	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	12.68	12.68	0.00
00575B	14.89	14.89	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	13.99	13.99	0.00
00576	15.83	15.83	0.00	15.44	15.44	0.00	15.10	15.10	0.00	14.71	14.71	0.00	12.91	12.91	0.00
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.19	0.00	14.81	14.81	0.00	12.97	12.97	0.00
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	0.00	15.46	15.46	0.00	15.09	15.09	0.00	13.10	13.10	0.00
00582	16.54	16.54	0.00	16.25	16.25	0.00	15.74	15.74	0.00	15.25	15.25	0.00	13.16	13.16	0.00
00583	16.69	16.69	0.00	16.35	16.35	0.00	15.79	15.79	0.00	15.28	15.28	0.00	13.17	13.17	0.00
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.59	0.00	15.29	15.29	0.00	13.22	13.22	0.00
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.43	0.00	13.31	13.31	0.00
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.61	0.00	13.44	13.44	0.00
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.33	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.88	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.76	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.00	0.00	8.53	8.53	0.00	7.97	7.97	0.00	7.30	7.30	0.00	6.71	6.71	0.00
01005	9.04	9.04	0.00	8.58	8.58	0.00	8.02	8.02	0.00	7.37	7.37	0.00	6.82	6.82	0.00
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.72	0.00	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.00	0.00	8.53	8.53	0.00	7.98	7.98	0.00	7.38	7.38	0.00	6.84	6.84	0.00
01100F	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	8.99	0.00	8.51	8.51	0.00	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.72	0.00	8.46	8.46	0.00	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.99	0.00	8.53	8.53	0.00	7.99	7.99	0.00	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.40	7.40	0.00	6.90	6.90	0.00
01200	3.13	2.38	-0.75	2.56	1.90	-0.66	2.45	1.77	-0.67	2.35	1.70	-0.65	2.02	1.59	-0.43
01201	3.38	3.33	-0.05	3.10	3.05	-0.05	2.94	2.69	-0.25	2.84	2.49	-0.35	2.34	2.10	-0.24
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.37	-0.04	2.09	2.03	-0.06	1.90	1.80	-0.10	1.81	1.75	-0.05	1.72	1.69	-0.03
01203	4.26	4.21	-0.04	3.79	3.71	-0.08	3.53	3.30	-0.23	3.47	3.05	-0.42	3.27	3.03	-0.23
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.60	-0.03	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.21	-0.04	3.79	3.71	-0.08	3.53	3.29	-0.24	3.47	3.00	-0.47	3.26	2.47	-0.79
01222	5.94	5.91	-0.03	5.23	5.07	-0.15	4.16	3.76	-0.40	3.97	3.37	-0.60	3.56	2.68	-0.88
01223	5.94	5.91	-0.02	5.23	5.08	-0.15	4.17	3.80	-0.36	3.98	3.49	-0.49	3.61	2.78	-0.83
01224	5.94	5.92	-0.02	5.23	5.08	-0.15	4.20	3.89	-0.31	4.02	3.66	-0.36	3.69	3.01	-0.68
01225	6.10	6.07	-0.02	5.36	5.27	-0.09	4.59	4.32	-0.28	4.35	4.01	-0.34	3.89	3.22	-0.67
01226	6.84	6.82	-0.02	6.04	5.98	-0.07	5.31	5.11	-0.20	4.99	4.68	-0.32	4.27	3.61	-0.66
01227	7.34	7.32	-0.02	6.52	6.47	-0.05	5.79	5.64	-0.15	5.43	5.12	-0.31	4.52	3.84	-0.68
01228	7.83	7.82	-0.02	7.02	6.99	-0.03	6.21	6.10	-0.11	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.93	-0.06	7.89	7.88	-0.01	7.01	6.99	-0.02	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.38	8.38	0.00	8.01	8.01	0.00	7.10	7.08	-0.02	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.61	-0.02	7.94	7.94	-0.01	7.12	7.11	-0.01	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.37	0.00	8.00	8.00	0.00	7.32	7.31	-0.01	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.42	0.00	8.02	8.02	0.00	7.32	7.31	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.42	0.00	8.02	8.02	0.00	7.32	7.31	-0.01	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.03	-0.08	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.49	-0.03	4.06	4.05	-0.01	3.82	3.81	-0.01	3.64	3.62	-0.02	3.32	3.30	-0.01
01401	6.39	6.34	-0.05	5.53	5.48	-0.05	5.14	5.13	-0.02	4.87	4.84	-0.03	4.39	4.26	-0.13
01402	6.46	6.41	-0.06	5.62	5.56	-0.06	5.24	5.22	-0.02	4.98	4.96	-0.03	4.54	4.43	-0.11
01403	7.40	7.26	-0.14	6.22	6.12	-0.10	5.75	5.72	-0.03	5.47	5.44	-0.03	4.95	4.85	-0.10
01410	8.69	8.62	-0.07	7.58	7.44	-0.14	6.88	6.85	-0.04	6.55	6.50	-0.05	5.86	5.74	-0.12
01411	8.94	8.91	-0.03	7.87	7.73	-0.14	7.03	6.98	-0.05	6.67	6.60	-0.06	5.96	5.84	-0.12
01412	9.11	9.07	-0.04	8.63	8.57	-0.07	7.58	7.40	-0.18	7.01	6.93	-0.09	6.25	6.12	-0.14
01413	9.12	9.08	-0.04	8.64	8.57	-0.07	8.08	7.95	-0.13	7.47	7.35	-0.12	6.60	6.45	-0.15
01414	9.77	8.62	-1.15	9.73	6.83	-2.90	9.68	6.83	-2.85	9.30	6.83	-2.47	7.97	6.83	-1.14
01415	9.12	9.08	-0.04	8.64	8.58	-0.07	8.08	7.95	-0.13	7.47	7.35	-0.12	6.61	6.46	-0.15
01416	9.12	9.08	-0.04	8.64	8.58	-0.07	8.08	7.95	-0.13	7.47	7.35	-0.12	6.61	6.46	-0.15
01417	9.12	9.09	-0.04	8.65	8.58	-0.07	8.08	7.95	-0.13	7.47	7.36	-0.11	6.64	6.50	-0.15
01420	9.10	9.06	-0.04	8.52	8.35	-0.18	7.78	7.74	-0.03	7.42	7.36	-0.06	6.58	6.46	-0.13
01421	8.94	8.92	-0.02	8.68	8.68	-0.01	8.23	8.22	-0.01	7.95	7.93	-0.02	7.41	7.35	-0.06
01422	8.90	8.89	-0.01	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01430	9.14	9.11	-0.04	8.70	8.67	-0.04	8.48	8.47	-0.01	8.19	8.17	-0.03	7.17	7.05	-0.12

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.11	-0.04	8.71	8.68	-0.03	8.50	8.49	-0.01	8.29	8.27	-0.01	7.99	7.95	-0.04
01432	9.15	9.11	-0.04	8.71	8.71	-0.01	8.58	8.58	0.00	8.45	8.44	-0.01	8.19	8.18	-0.02
01433	9.15	9.12	-0.04	8.73	8.73	0.00	8.60	8.60	0.00	8.51	8.50	0.00	8.38	8.37	-0.01
01440	9.16	9.13	-0.03	8.77	8.77	0.00	8.63	8.62	0.00	8.48	8.47	-0.01	8.21	8.20	-0.02
01441	9.16	9.12	-0.04	8.76	8.76	0.00	8.62	8.61	0.00	8.47	8.47	-0.01	8.21	8.19	-0.02
01442	9.28	9.28	0.00	9.11	9.11	0.00	8.98	8.98	0.00	8.85	8.85	0.00	8.61	8.60	-0.01
01450	9.30	9.30	0.00	9.15	9.15	0.00	9.04	9.04	0.00	8.95	8.95	0.00	8.84	8.84	0.00
01451	9.19	9.16	-0.03	8.89	8.89	0.00	8.80	8.80	0.00	8.74	8.74	0.00	8.68	8.68	0.00
01452	10.69	10.69	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.42	0.00	13.34	13.34	0.00	13.27	13.27	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01501	5.29	5.29	0.00	5.14	5.14	0.00	5.03	5.03	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01502	5.32	5.32	0.00	5.15	5.15	0.00	5.04	5.04	0.00	4.94	4.94	0.00	4.80	4.80	0.00
01503	5.69	5.69	0.00	5.41	5.41	0.00	5.26	5.26	0.00	5.13	5.13	0.00	4.89	4.89	0.00
01504	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01510	6.30	6.30	0.00	6.25	6.25	0.00	6.22	6.22	0.00	6.20	6.20	0.00	6.16	6.16	0.00
01520	7.68	7.68	0.00	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.48	0.00
01530	8.32	8.31	-0.01	7.93	7.93	0.00	7.76	7.76	0.00	7.69	7.69	0.00	7.60	7.60	0.00
01531	7.10	7.09	0.00	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.93	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.88	-0.01	8.68	8.68	0.00	8.51	8.51	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01541	8.89	8.88	-0.01	8.69	8.68	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01550	8.90	8.89	-0.01	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.13	0.00
01551	8.89	8.88	-0.01	8.69	8.68	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01552	8.90	8.89	-0.01	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.52	0.00	5.72	5.72	0.00	5.29	5.29	0.00	4.97	4.97	0.00	3.96	3.96	0.00
01701	6.29	6.29	0.00	5.57	5.57	0.00	4.60	4.60	0.00	3.66	3.66	0.00	3.21	3.21	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.89	0.00	8.77	8.77	0.00	8.31	8.31	0.00	7.14	7.14	0.00	6.22	6.22	0.00
01711	8.87	8.87	0.00	8.76	8.76	0.00	8.36	8.36	0.00	7.52	7.52	0.00	7.03	7.03	0.00
01712	7.79	7.79	0.00	7.68	7.68	0.00	7.59	7.59	0.00	7.52	7.52	0.00	7.44	7.44	0.00
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.04	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.52	0.00	8.86	8.86	0.00	7.64	7.64	0.00
01730	11.07	11.07	0.00	11.01	11.01	0.00	10.96	10.96	0.00	10.66	10.66	0.00	9.39	9.39	0.00
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.00	12.90	12.90	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.65	0.00
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.28	0.00	14.18	14.18	0.00	13.70	13.70	0.00
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.56	0.00
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.62	13.62	0.00
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.00
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.68	0.00
01800	8.51	8.51	0.00	6.96	6.96	0.00	5.38	5.38	0.00	4.43	4.43	0.00	3.40	3.40	0.00
01810	10.46	10.46	0.00	9.95	9.95	0.00	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.52	0.00	10.17	10.17	0.00	7.46	7.46	0.00	5.63	5.63	0.00	3.99	3.99	0.00
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.01	0.00	10.68	10.68	0.00	8.15	8.15	0.00	6.04	6.04	0.00	4.23	4.23	0.00
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.98	0.00	11.68	11.68	0.00	9.53	9.53	0.00	8.45	8.45	0.00	7.76	7.76	0.00
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.21	0.00	11.96	11.96	0.00	11.53	11.53	0.00	11.15	11.15	0.00	10.53	10.53	0.00
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.24	0.00	11.99	11.99	0.00	11.66	11.66	0.00	11.39	11.39	0.00	10.79	10.79	0.00
01870	12.25	12.25	0.00	12.00	12.00	0.00	11.67	11.67	0.00	11.41	11.41	0.00	10.92	10.92	0.00
01880	12.35	12.35	0.00	12.12	12.12	0.00	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.00
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	0.00	4.64	4.64	0.00
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.21	0.00	5.18	5.18	0.00
01902	8.13	8.13	0.00	7.67	7.67	0.00	7.25	7.25	0.00	6.88	6.88	0.00	5.53	5.53	0.00
01911	8.14	8.14	0.00	7.68	7.68	0.00	7.26	7.26	0.00	6.88	6.88	0.00	5.54	5.54	0.00
01920	9.39	9.39	0.00	8.60	8.60	0.00	8.15	8.15	0.00	7.73	7.73	0.00	6.57	6.57	0.00
01921	10.76	10.76	0.00	9.54	9.54	0.00	9.12	9.12	0.00	8.70	8.70	0.00	7.13	7.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.60	0.00	10.86	10.86	0.00	10.52	10.52	0.00	10.14	10.14	0.00	7.95	7.95	0.00
01940	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.27	11.27	0.00	8.58	8.58	0.00
01950	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.28	11.28	0.00	8.61	8.61	0.00
01953	12.26	12.26	0.00	12.01	12.01	0.00	11.69	11.69	0.00	11.33	11.33	0.00	8.81	8.81	0.00
01954	12.34	12.34	0.00	12.08	12.08	0.00	11.94	11.94	0.00	11.82	11.82	0.00	10.47	10.47	0.00
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.55	0.00	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.32	0.00	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.89	0.00	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.69	0.00	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.99	0.00	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	0.00	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.22	0.00	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.33	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.45	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.85	0.00
02250	12.38	12.38	0.00	11.92	11.92	0.00	11.25	11.25	0.00	10.45	10.45	0.00	9.81	9.81	0.00
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.89	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.29	0.00	11.97	11.97	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	0.00	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	0.00	12.07	12.07	0.00	11.64	11.64	0.00	10.94	10.94	0.00	10.44	10.44	0.00
02261	12.35	12.35	0.00	12.06	12.06	0.00	11.65	11.65	0.00	11.06	11.06	0.00	10.80	10.80	0.00
02270	12.50	12.50	0.00	12.35	12.35	0.00	12.21	12.21	0.00	11.97	11.97	0.00	11.74	11.74	0.00
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.28	0.00	12.13	12.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.16	0.00	13.07	13.07	0.00	12.94	12.94	0.00
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.38	0.00	12.19	12.19	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.23	0.00	12.81	12.81	0.00	12.47	12.47	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	0.00	13.23	13.23	0.00	12.73	12.73	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.98	0.00	12.89	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.35	0.00
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.11	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	0.00	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.94	0.00	13.03	13.03	0.00
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.44	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.68	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.51	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.23	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.66	0.00	10.33	10.33	0.00
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.85	0.00
N00235	13.20	13.20	0.00	12.95	12.95	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.41	0.00
N00237	13.37	13.37	0.00	13.12	13.12	0.00	12.91	12.91	0.00	12.76	12.76	0.00	12.58	12.58	0.00
N00255	14.05	14.05	0.00	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.28	0.00	6.09	6.09	0.00	5.93	5.93	0.00	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	0.00	6.58	6.58	0.00	6.48	6.48	0.00	5.81	5.81	0.00
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.09	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Matanzas St Ditch Flood Control

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Outfall 12

MADRID AVE

ORMOND ST

CADIZ RD

THE ESPLANADE N

MATANZAS ST

MADRID AVE

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Baffle Box
- Structures
- Add Pipes
- Upsize Pipes
- Project Contributing Area

State of Florida, Maxar, Microsoft

MATANZAS ST DITCH FLOOD CONTROL

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

B-6

Complete Report (not including cost) Ver 4.3.5

Project: Matanzas St Ditch Flood Control
Date: 10/29/2024 2:13:18 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Matanzas St Ditch
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	20.66
Rational Coefficient (0-1)	0.04
Non DCIA Curve Number	61.40
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	3.932
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	10.036
Phosphorus Loading (kg/yr)	1.585

Post-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	20.66
Rational Coefficient (0-1)	0.04
Non DCIA Curve Number	61.40
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	3.932
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	10.036
Phosphorus Loading (kg/yr)	1.585

Catchment Number: 1 Name: Matanzas St Ditch

Project: Matanzas St Ditch Flood Control
Date: 10/29/2024

User Defined BMP Design

Contributing Catchment Area (acres)	20.660
Provided Nitrogen Treatment Efficiency (%)	19
Provided Phosphorus Treatment Efficiency (%)	16

Watershed Characteristics

Catchment Area (acres)	20.66
Contributing Area (acres)	20.660
Non-DCIA Curve Number	61.40
DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	19
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	16

Media Mix Information

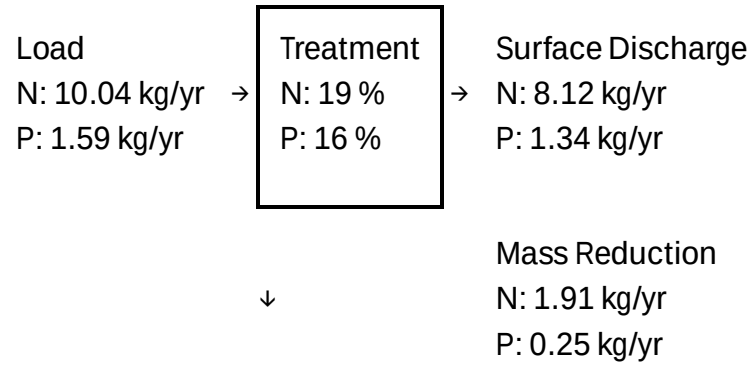
Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

Groundwater Discharge (Stand-Alone)

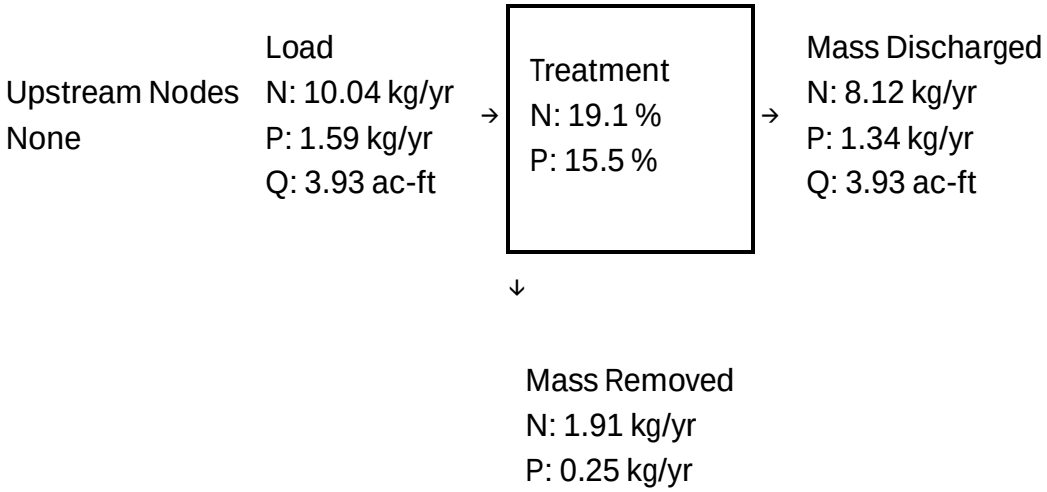
Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.000
TN Concentration (mg/L)	0.000

TP Mass Load (kg/yr)	0.000
TP Concentration (mg/L)	0.000

Load Diagram for User Defined BMP (stand-alone)



Load Diagram for User Defined BMP (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Matanzas St Ditch Flood Control

Date:10/29/2024

Analysis Type: BMP Analysis
BMP Types:
Catchment 1 - (Matanzas St Ditch) User Defined BMP
Based on % removal values to the nearest percent

Routing Summary
Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge		
Total N post load	10.04 kg/yr	
Percent N load reduction	19 %	
Provided N discharge load	8.12 kg/yr	17.91 lb/yr
Provided N load removed	1.91 kg/yr	4.22 lb/yr

Phosphorus

Surface Water Discharge		
Total P post load	1.585 kg/yr	
Percent P load reduction	16 %	
Provided P discharge load	1.34 kg/yr	2.95 lb/yr
Provided P load removed	.246 kg/yr	.542 lb/yr

C-1 100-YR 24-HR Floodplain Map

C-2 25-YR 24-HR Floodplain Map

C-3 10-YR 24-HR Floodplain Map

C-4 5-YR 24-HR Floodplain Map

C-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

C-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix C – Downtown Flood Impact & Water Quality Improvements

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Legend

- Project Contributing Area
- Treatment Basins
- Downtown Improvements Floodplain
- 100-Year 24-Hour Floodplain
- Existing Floodplain
- 100-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

DOWNTOWN FLOOD IMPACT & WATER QUALITY IMPROVEMENTS

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

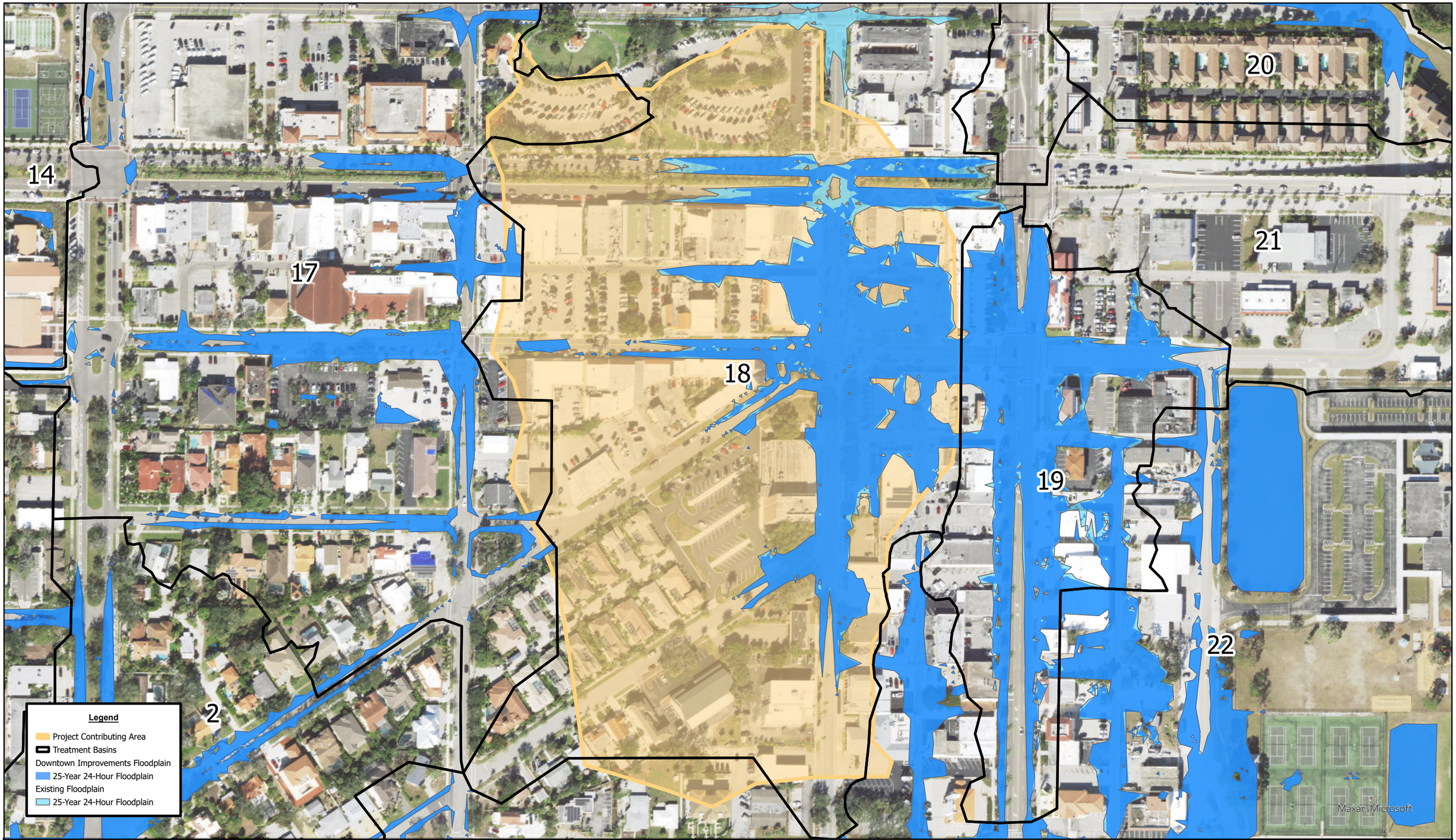
JANUARY 2025

0 220 440 Feet

N

Kimley»Horn

C-1



DOWNTOWN FLOOD IMPACT & WATER QUALITY IMPROVEMENTS

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

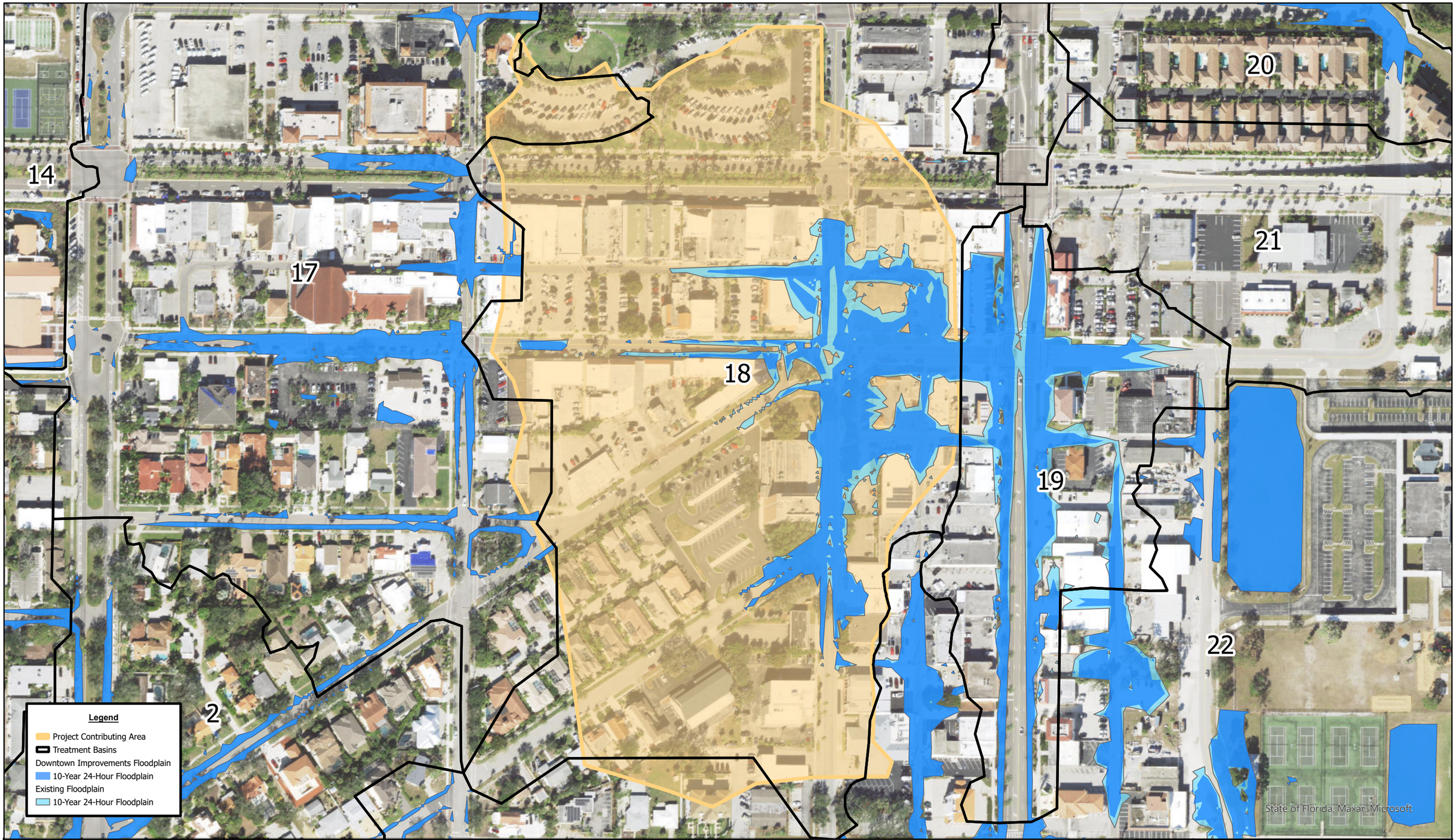
JANUARY 2025

0 220 440 Feet

N

Kimley»Horn

C-2



DOWNTOWN FLOOD IMPACT & WATER QUALITY IMPROVEMENTS

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

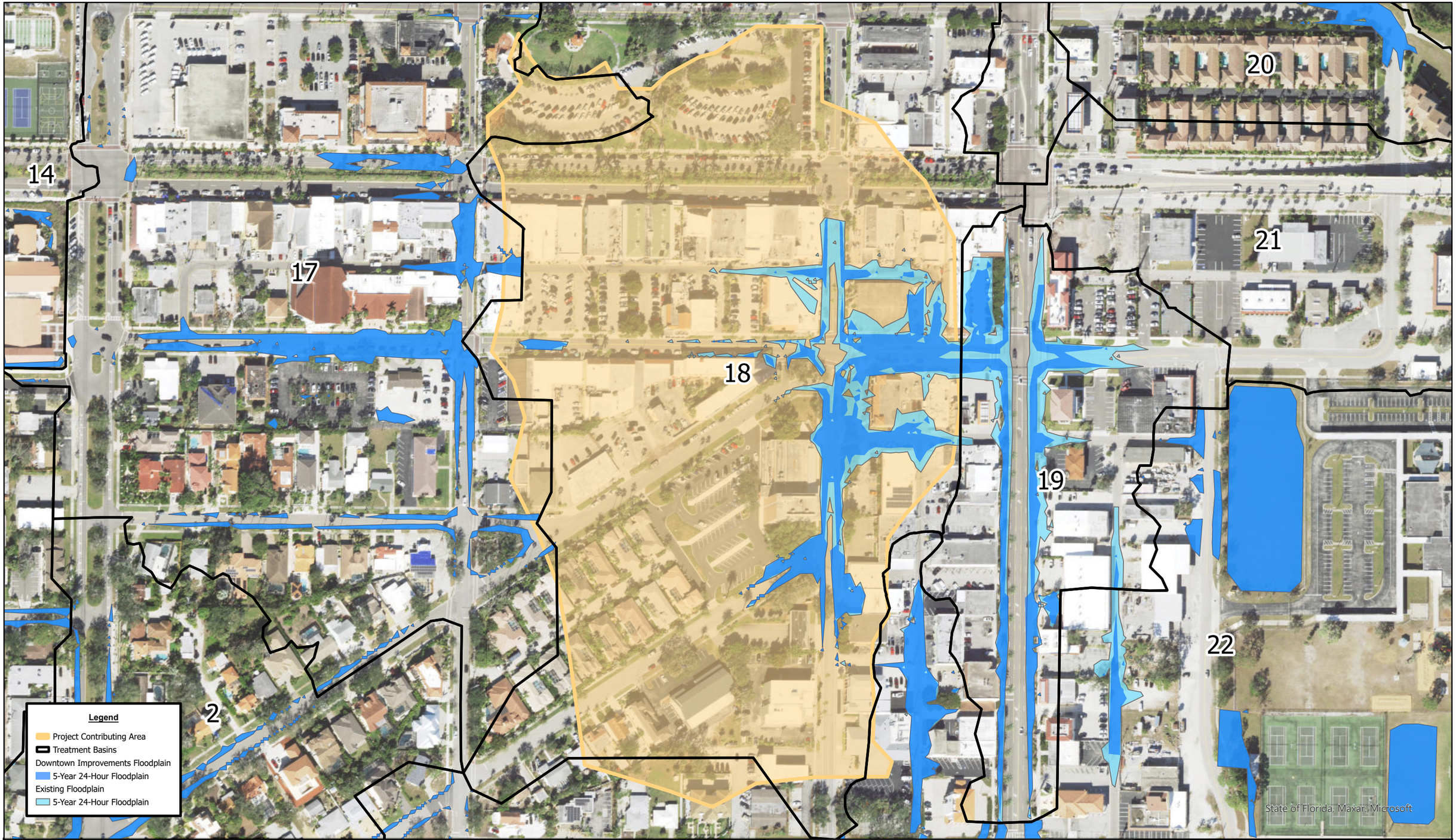
JANUARY 2025

0 220 440 Feet

N

Kimley»Horn

C-3



DOWNTOWN FLOOD IMPACT & WATER QUALITY IMPROVEMENTS

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

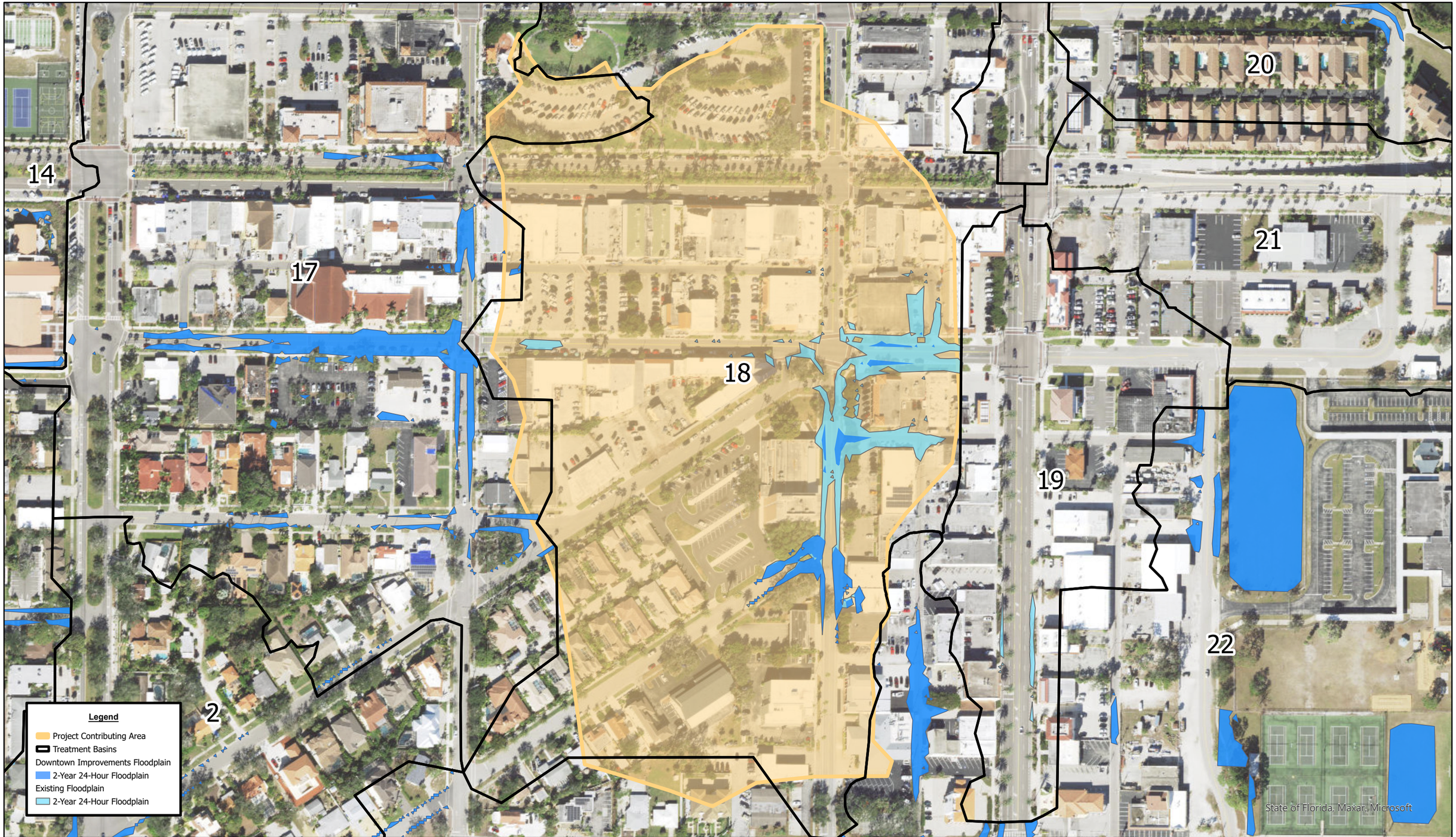
CITY OF VENICE
JANUARY 2025

0 225 450 Feet

N

Kimley»Horn

C-4



DOWNTOWN FLOOD IMPACT & WATER QUALITY IMPROVEMENTS

2-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 225 450 Feet

N

Kimley»Horn

C-5

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.41	6.41	0.00	5.51	5.51	0.00
00100A	9.79	9.79	0.00	9.57	9.57	0.00	9.36	9.36	0.00	8.89	8.89	0.00	7.70	7.70	0.00
00100B	9.83	9.83	0.00	9.60	9.60	0.00	9.38	9.38	0.00	8.92	8.92	0.00	7.90	7.90	0.00
00100C	9.88	9.88	0.00	9.63	9.63	0.00	9.40	9.40	0.00	8.93	8.93	0.00	7.99	7.99	0.00
00200	9.91	9.91	0.00	9.65	9.65	0.00	9.41	9.41	0.00	8.94	8.94	0.00	8.08	8.08	0.00
00200A	6.29	6.29	0.00	6.19	6.19	0.00	6.10	6.10	0.00	5.96	5.96	0.00	5.80	5.80	0.00
00204	10.41	10.41	0.00	10.09	10.09	0.00	9.84	9.84	0.00	9.64	9.64	0.00	9.32	9.32	0.00
00210	10.67	10.67	0.00	10.40	10.40	0.00	10.19	10.19	0.00	10.02	10.02	0.00	9.74	9.74	0.00
00212	11.81	11.81	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.96	0.00
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.75	0.00	11.53	11.53	0.00	11.37	11.37	0.00	11.13	11.13	0.00
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.71	0.00	11.54	11.54	0.00	11.33	11.33	0.00
00220	12.44	12.44	0.00	12.14	12.14	0.00	11.92	11.92	0.00	11.76	11.76	0.00	11.56	11.56	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.86	0.00
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.53	0.00
00234	12.90	12.90	0.00	12.78	12.78	0.00	12.70	12.70	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.38	0.00	13.18	13.18	0.00	13.03	13.03	0.00	12.81	12.81	0.00
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.54	0.00
00242	13.79	13.79	0.00	13.56	13.56	0.00	13.36	13.36	0.00	13.22	13.22	0.00	12.99	12.99	0.00
00250	14.06	14.06	0.00	13.88	13.88	0.00	13.70	13.70	0.00	13.57	13.57	0.00	13.33	13.33	0.00
00251	13.77	13.77	0.00	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.76	0.00	2.92	2.92	0.00	2.45	2.45	0.00	2.19	2.19	0.00	1.94	1.94	0.00
00501	3.83	3.83	0.00	2.98	2.98	0.00	2.50	2.50	0.00	2.24	2.24	0.00	1.97	1.97	0.00
00502	4.34	4.34	0.00	3.43	3.43	0.00	2.93	2.93	0.00	2.64	2.64	0.00	2.31	2.31	0.00
00510	5.37	5.37	0.00	5.04	5.04	0.00	4.58	4.58	0.00	4.04	4.04	0.00	3.34	3.34	0.00
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.03	0.00	6.62	6.62	0.00	6.00	6.00	0.00	5.05	5.05	0.00	3.88	3.88	0.00
00516	7.84	7.84	0.00	7.23	7.23	0.00	6.56	6.56	0.00	5.72	5.72	0.00	4.58	4.58	0.00
00520	10.02	10.02	0.00	9.78	9.78	0.00	9.55	9.55	0.00	9.28	9.28	0.00	7.71	7.71	0.00
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.29	0.00	10.19	10.19	0.00	9.75	9.75	0.00
00522	11.64	11.64	0.00	11.32	11.32	0.00	11.07	11.07	0.00	10.91	10.91	0.00	10.38	10.38	0.00
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.93	0.00	11.20	11.20	0.00
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.66	0.00	11.05	11.05	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.81	0.00	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.32	0.00
00532	13.59	13.59	0.00	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.60	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.17	0.00
00537	13.67	13.67	0.00	13.53	13.53	0.00	13.44	13.44	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.77	0.00	13.63	13.63	0.00	13.55	13.55	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.78	0.00	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.13	0.00	12.68	12.68	0.00	11.61	11.61	0.00
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.15	0.00	12.79	12.79	0.00	12.64	12.64	0.00
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.47	0.00
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.31	0.00	12.68	12.68	0.00
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.09	0.00	14.68	14.68	0.00	12.87	12.87	0.00
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.54	0.00	13.09	13.09	0.00	11.85	11.85	0.00
00572	14.38	14.38	0.00	14.20	14.20	0.00	13.99	13.99	0.00	13.60	13.60	0.00	12.16	12.16	0.00
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.11	0.00	12.46	12.46	0.00
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.47	0.00	14.11	14.11	0.00	12.46	12.46	0.00
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.54	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	12.68	12.68	0.00
00575B	14.89	14.89	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	13.99	13.99	0.00
00576	15.83	15.83	0.00	15.44	15.44	0.00	15.10	15.10	0.00	14.71	14.71	0.00	12.91	12.91	0.00
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.19	0.00	14.81	14.81	0.00	12.97	12.97	0.00
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	0.00	15.46	15.46	0.00	15.09	15.09	0.00	13.10	13.10	0.00
00582	16.54	16.54	0.00	16.25	16.25	0.00	15.74	15.74	0.00	15.25	15.25	0.00	13.16	13.16	0.00
00583	16.69	16.69	0.00	16.35	16.35	0.00	15.79	15.79	0.00	15.28	15.28	0.00	13.17	13.17	0.00
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.59	0.00	15.29	15.29	0.00	13.22	13.22	0.00
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.43	0.00	13.31	13.31	0.00
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.61	0.00	13.44	13.44	0.00
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.33	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.87	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.76	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.00	0.00	8.53	8.53	0.00	7.97	7.97	0.00	7.30	7.30	0.00	6.71	6.71	0.00
01005	9.04	9.04	0.00	8.58	8.58	0.00	8.02	8.02	0.00	7.37	7.37	0.00	6.82	6.82	0.00
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.72	0.00	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.00	0.00	8.53	8.52	0.00	7.98	7.98	0.00	7.38	7.38	0.00	6.84	6.84	0.00
01100F	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	8.99	0.00	8.51	8.51	0.00	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.72	0.00	8.46	8.46	0.00	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.99	0.00	8.53	8.53	0.00	7.99	7.99	0.00	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.40	7.40	0.00	6.90	6.90	0.00
01200	3.13	3.13	0.00	2.56	2.56	0.00	2.45	2.45	0.00	2.35	2.35	0.00	2.02	2.02	0.00
01201	3.38	3.38	0.00	3.10	3.10	0.00	2.94	2.94	0.00	2.84	2.84	0.00	2.34	2.34	0.00
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.41	0.00	2.09	2.09	0.00	1.90	1.90	0.00	1.81	1.81	0.00	1.72	1.72	0.00
01203	4.26	4.26	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.27	3.27	0.00
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.62	0.00	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.25	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.26	3.26	0.00
01222	5.94	5.94	0.00	5.23	5.23	0.00	4.16	4.16	0.00	3.97	3.97	0.00	3.56	3.56	0.00
01223	5.94	5.94	0.00	5.23	5.23	0.00	4.17	4.17	0.00	3.98	3.98	0.00	3.61	3.61	0.00
01224	5.94	5.94	0.00	5.23	5.23	0.00	4.20	4.20	0.00	4.02	4.02	0.00	3.69	3.69	0.00
01225	6.10	6.10	0.00	5.36	5.36	0.00	4.59	4.59	0.00	4.35	4.35	0.00	3.89	3.89	0.00
01226	6.84	6.84	0.00	6.04	6.04	0.00	5.31	5.31	0.00	4.99	4.99	0.00	4.27	4.27	0.00
01227	7.34	7.34	0.00	6.52	6.52	0.00	5.79	5.79	0.00	5.43	5.43	0.00	4.52	4.52	0.00
01228	7.83	7.83	0.00	7.02	7.02	0.00	6.21	6.21	0.00	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.99	0.00	7.89	7.89	0.00	7.01	7.01	0.00	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.38	8.38	0.00	8.01	8.01	0.00	7.10	7.10	0.00	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.63	0.00	7.94	7.94	0.00	7.12	7.12	0.00	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.38	0.00	8.00	8.00	0.00	7.32	7.32	0.00	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.12	0.00	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.53	0.00	4.06	4.06	0.00	3.82	3.82	0.00	3.64	3.64	0.00	3.32	3.32	0.00
01401	6.39	6.39	0.00	5.53	5.53	0.00	5.14	5.14	0.00	4.87	4.87	0.00	4.39	4.39	0.00
01402	6.46	6.46	0.00	5.62	5.62	0.00	5.24	5.24	0.00	4.98	4.98	0.00	4.54	4.54	0.00
01403	7.40	7.40	0.00	6.22	6.22	0.00	5.75	5.75	0.00	5.47	5.47	0.00	4.95	4.95	0.00
01410	8.69	8.69	0.00	7.58	7.58	0.00	6.88	6.88	0.00	6.55	6.55	0.00	5.86	5.86	0.00
01411	8.94	8.94	0.00	7.87	7.87	0.00	7.03	7.03	0.00	6.67	6.67	0.00	5.96	5.96	0.00
01412	9.11	9.11	0.00	8.63	8.63	0.00	7.58	7.58	0.00	7.01	7.01	0.00	6.25	6.25	0.00
01413	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.60	6.60	0.00
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.68	0.00	9.30	9.30	0.00	7.97	7.97	0.00
01415	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01416	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01417	9.12	9.12	0.00	8.65	8.65	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.64	6.64	0.00
01420	9.10	9.10	0.00	8.52	8.52	0.00	7.78	7.78	0.00	7.42	7.42	0.00	6.58	6.58	0.00
01421	8.94	8.94	0.00	8.68	8.68	0.00	8.23	8.23	0.00	7.95	7.95	0.00	7.41	7.41	0.00
01422	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01430	9.14	9.14	0.00	8.70	8.70	0.00	8.48	8.48	0.00	8.19	8.19	0.00	7.17	7.17	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.14	0.00	8.71	8.71	0.00	8.50	8.50	0.00	8.29	8.29	0.00	7.99	7.99	0.00
01432	9.15	9.15	0.00	8.71	8.71	0.00	8.58	8.58	0.00	8.45	8.45	0.00	8.19	8.19	0.00
01433	9.15	9.15	0.00	8.73	8.73	0.00	8.60	8.60	0.00	8.51	8.51	0.00	8.38	8.38	0.00
01440	9.16	9.16	0.00	8.77	8.77	0.00	8.63	8.63	0.00	8.48	8.48	0.00	8.21	8.21	0.00
01441	9.16	9.16	0.00	8.76	8.76	0.00	8.62	8.62	0.00	8.47	8.47	0.00	8.21	8.21	0.00
01442	9.28	9.28	0.00	9.11	9.11	0.00	8.98	8.98	0.00	8.85	8.85	0.00	8.61	8.61	0.00
01450	9.30	9.30	0.00	9.15	9.15	0.00	9.04	9.04	0.00	8.95	8.95	0.00	8.84	8.84	0.00
01451	9.19	9.19	0.00	8.89	8.89	0.00	8.80	8.80	0.00	8.74	8.74	0.00	8.68	8.68	0.00
01452	10.69	10.69	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.42	0.00	13.34	13.34	0.00	13.27	13.27	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01501	5.29	5.29	0.00	5.14	5.14	0.00	5.03	5.03	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01502	5.32	5.32	0.00	5.15	5.15	0.00	5.04	5.04	0.00	4.94	4.94	0.00	4.80	4.80	0.00
01503	5.69	5.69	0.00	5.41	5.41	0.00	5.26	5.26	0.00	5.13	5.13	0.00	4.89	4.89	0.00
01504	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01510	6.30	6.30	0.00	6.25	6.25	0.00	6.22	6.22	0.00	6.20	6.20	0.00	6.16	6.16	0.00
01520	7.68	7.68	0.00	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.48	0.00
01530	8.32	8.32	0.00	7.93	7.93	0.00	7.76	7.76	0.00	7.69	7.69	0.00	7.60	7.60	0.00
01531	7.10	7.10	0.00	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.93	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.89	0.00	8.68	8.68	0.00	8.51	8.51	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01541	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01550	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01551	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01552	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.03	-0.49	5.72	5.37	-0.34	5.29	4.98	-0.30	4.97	4.56	-0.41	3.96	3.47	-0.49
01701	6.29	5.86	-0.43	5.57	5.30	-0.28	4.60	4.02	-0.59	3.66	3.56	-0.11	3.21	3.21	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.88	0.00	8.77	8.75	-0.02	8.31	7.95	-0.37	7.14	7.08	-0.06	6.22	6.22	0.00
01711	8.87	8.87	0.00	8.76	8.75	-0.01	8.36	8.07	-0.29	7.52	7.52	0.00	7.03	7.03	0.00
01712	7.79	7.79	0.00	7.68	7.68	-0.01	7.59	7.58	-0.01	7.52	7.52	0.00	7.44	7.44	0.00
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.04	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.46	-0.06	8.86	8.81	-0.05	7.64	7.64	0.00
01730	11.07	11.07	0.00	11.01	11.01	0.00	10.96	10.96	0.00	10.66	10.63	-0.03	9.39	9.39	0.00
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.05	0.00	12.90	12.90	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.65	0.00
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.28	0.00	14.18	14.18	0.00	13.70	13.70	0.00
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.56	0.00
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.62	13.62	0.00
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.00
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.68	0.00
01800	8.51	8.08	-0.42	6.96	5.34	-1.62	5.38	4.08	-1.30	4.43	3.55	-0.88	3.40	2.90	-0.50
01810	10.46	10.46	-0.01	9.95	8.00	-1.95	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.51	-0.01	10.17	9.39	-0.78	7.46	5.94	-1.52	5.63	4.71	-0.91	3.99	3.80	-0.19
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.00	-0.02	10.68	10.11	-0.57	8.15	6.55	-1.60	6.04	5.11	-0.93	4.23	4.07	-0.16
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.95	-0.03	11.68	11.52	-0.16	9.53	9.05	-0.48	8.45	8.41	-0.04	7.76	7.76	0.00
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.20	-0.01	11.96	11.92	-0.04	11.53	11.53	0.00	11.15	11.15	0.00	10.53	10.53	0.00
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.23	-0.01	11.99	11.96	-0.04	11.66	11.66	0.00	11.39	11.39	0.00	10.79	10.79	0.00
01870	12.25	12.24	-0.01	12.00	11.97	-0.04	11.67	11.67	0.00	11.41	11.41	0.00	10.92	10.92	0.00
01880	12.35	12.35	-0.01	12.12	12.10	-0.02	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.00
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	0.00	4.64	4.64	0.00
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.21	0.00	5.18	5.18	0.00
01902	8.13	8.09	-0.04	7.67	7.67	0.00	7.25	7.25	0.00	6.88	6.88	0.00	5.53	5.53	0.00
01911	8.14	8.09	-0.04	7.68	7.68	0.00	7.26	7.26	0.00	6.88	6.88	0.00	5.54	5.54	0.00
01920	9.39	9.33	-0.07	8.60	8.60	0.00	8.15	8.15	0.00	7.73	7.73	0.00	6.57	6.57	0.00
01921	10.76	10.68	-0.08	9.54	9.54	0.00	9.12	9.12	0.00	8.70	8.70	0.00	7.13	7.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.56	-0.04	10.86	10.84	-0.02	10.52	10.52	0.00	10.14	10.14	0.00	7.95	7.95	0.00
01940	12.25	12.24	-0.01	12.00	11.97	-0.03	11.66	11.66	0.00	11.27	11.27	0.00	8.58	8.58	0.00
01950	12.25	12.25	-0.01	12.00	11.97	-0.03	11.66	11.66	0.00	11.28	11.28	0.00	8.61	8.61	0.00
01953	12.26	12.25	-0.01	12.01	11.98	-0.03	11.69	11.69	0.00	11.33	11.33	0.00	8.81	8.81	0.00
01954	12.34	12.33	-0.01	12.08	12.06	-0.02	11.94	11.94	0.00	11.82	11.82	0.00	10.47	10.47	0.00
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.54	-0.01	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.31	-0.02	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.88	-0.01	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.67	-0.02	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.97	-0.02	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	-0.01	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.21	-0.01	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.32	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.44	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.84	0.00
02250	12.38	12.37	-0.01	11.92	11.90	-0.02	11.25	11.25	0.00	10.45	10.45	0.00	9.81	9.81	0.00
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.89	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.29	0.00	11.97	11.97	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	-0.01	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	-0.01	12.07	12.05	-0.02	11.64	11.64	0.00	10.94	10.94	0.00	10.44	10.44	0.00
02261	12.35	12.35	-0.01	12.06	12.04	-0.02	11.65	11.65	0.00	11.06	11.06	0.00	10.80	10.80	0.00
02270	12.50	12.50	0.00	12.35	12.35	-0.01	12.21	12.21	0.00	11.97	11.97	0.00	11.74	11.74	0.00
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.28	0.00	12.13	12.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.16	0.00	13.07	13.07	0.00	12.94	12.94	0.00
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.38	0.00	12.19	12.19	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.23	0.00	12.81	12.81	0.00	12.47	12.47	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	0.00	13.23	13.23	0.00	12.73	12.73	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.98	0.00	12.89	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.35	0.00
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.11	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	-0.01	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.94	0.00	13.03	13.03	0.00
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.44	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.68	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.51	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.23	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.66	0.00	10.33	10.33	0.00
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.85	0.00
N00235	13.20	13.20	0.00	12.95	12.95	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.41	0.00
N00237	13.37	13.37	0.00	13.12	13.12	0.00	12.91	12.91	0.00	12.76	12.76	0.00	12.58	12.58	0.00
N00255	14.05	14.05	0.00	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.28	0.00	6.09	6.09	0.00	5.93	5.93	0.00	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	0.00	6.58	6.58	0.00	6.48	6.48	0.00	5.81	5.81	0.00
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.09	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.07	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Downtown Flood Impact Water Quality Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Outfall 17

Outfall 18

Check Valve

W VENICE AVE

E VENICE AVE

N TAMIAMI TRL

S TAMIAMI TRL

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Structures
- Add Pipes
- Upsize Pipes
- Pervious Pavement
- Underground Detention
- Project Contributing Area

State of Florida, Maxar, Microsoft

DOWNTOWN FLOOD IMPACT & WATER QUALITY IMPROVEMENTS
STORMWATER MASTER PLAN UPDATE
CITY OF VENICE
JANUARY 2025

0 125 250 Feet N

Kimley»Horn

C-6

Complete Report (not including cost) Ver 4.3.5

Project: Downtown Flood Impact and Water Quality Improvements
Date: 12/19/2024 2:58:03 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Underground Chambers
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	High-Intensity Commercial: TN=2.40 TP=0.345
Area (acres)	26.07
Rational Coefficient (0-1)	0.40
Non DCIA Curve Number	94.00
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.400
Phosphorus EMC (mg/l)	0.345
Runoff Volume (ac-ft/yr)	44.781
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	132.517
Phosphorus Loading (kg/yr)	19.049

Post-Condition Landuse Information

Landuse	High-Intensity Commercial: TN=2.40 TP=0.345

Area (acres)	26.07
Rational Coefficient (0-1)	0.40
Non DCIA Curve Number	94.00
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	2.400
Phosphorus EMC (mg/l)	0.345
Runoff Volume (ac-ft/yr)	44.781
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	132.517
Phosphorus Loading (kg/yr)	19.049

Catchment Number: 1 Name: Underground Chambers

Project: Downtown Flood Impact and Water Quality Improvements
Date: 12/19/2024

Retention Design

Retention Depth (in)	0.106
Retention Volume (ac-ft)	0.230

Watershed Characteristics

Catchment Area (acres)	26.07
Contributing Area (acres)	26.070
Non-DCIA Curve Number	94.00

DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	13
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	13

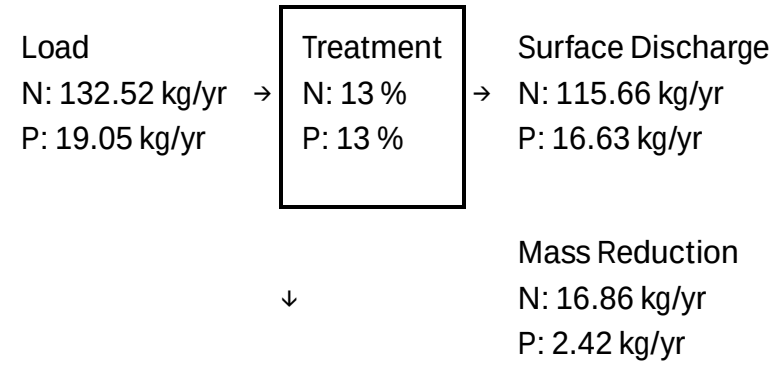
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

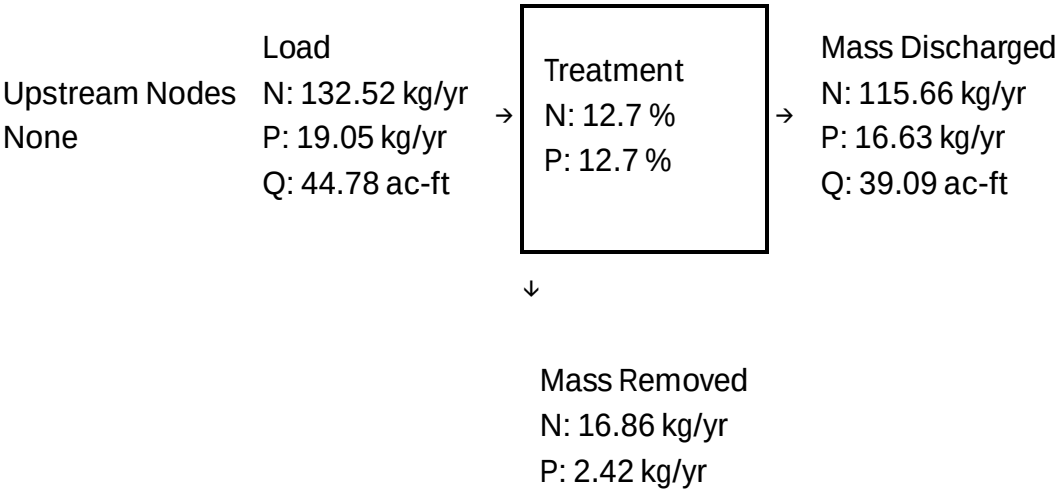
Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	16.856
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	2.423
TP Concentration (mg/L)	0.000

Load Diagram for Retention (stand-alone)



Load Diagram for Retention (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Downtown Flood Impact and Water Quality Improvements

Date:12/19/2024

Analysis Type: BMP Analysis

BMP Types:

Catchment 1 - (Underground

Routing Summary

Catchment 1 Routed to Outlet

Chambers) Retention
Based on % removal values to the
nearest percent

Summary Report

Nitrogen

Surface Water Discharge		
Total N post load	132.52 kg/yr	
Percent N load reduction	13 %	
Provided N discharge load	115.66 kg/yr	255.03 lb/yr
Provided N load removed	16.86 kg/yr	37.17 lb/yr

Phosphorus

Surface Water Discharge		
Total P post load	19.049 kg/yr	
Percent P load reduction	13 %	
Provided P discharge load	16.626 kg/yr	36.66 lb/yr
Provided P load removed	2.423 kg/yr	5.343 lb/yr

D-1 100-YR 24-HR Floodplain Map

D-2 25-YR 24-HR Floodplain Map

D-3 10-YR 24-HR Floodplain Map

D-4 5-YR 24-HR Floodplain Map

D-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

D-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix D – Outfall 22 Improvements

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Maxar, Microsoft

Legend

- Project Contributing Area
- Treatment Basins

Outfall 22 Floodplain

- 100-Year 24-Hour Floodplain

Existing Floodplain

- 100-Year 24-Hour Floodplain

OUTFALL 22 IMPROVEMENTS

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 450 900 Feet

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Maxar, Microsoft

Legend

- Project Contributing Area
- Treatment Basins

Outfall 22 Floodplain

- 25-Year 24-Hour Floodplain

Existing Floodplain

- 25-Year 24-Hour Floodplain

OUTFALL 22 IMPROVEMENTS

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 450 900 Feet

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Maxar

Legend

- Project Contributing Area
- Treatment Basins

Outfall 22 Floodplain

- 10-Year 24-Hour Floodplain

Existing Floodplain

- 10-Year 24-Hour Floodplain

OUTFALL 22 IMPROVEMENTS

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 450 900 Feet

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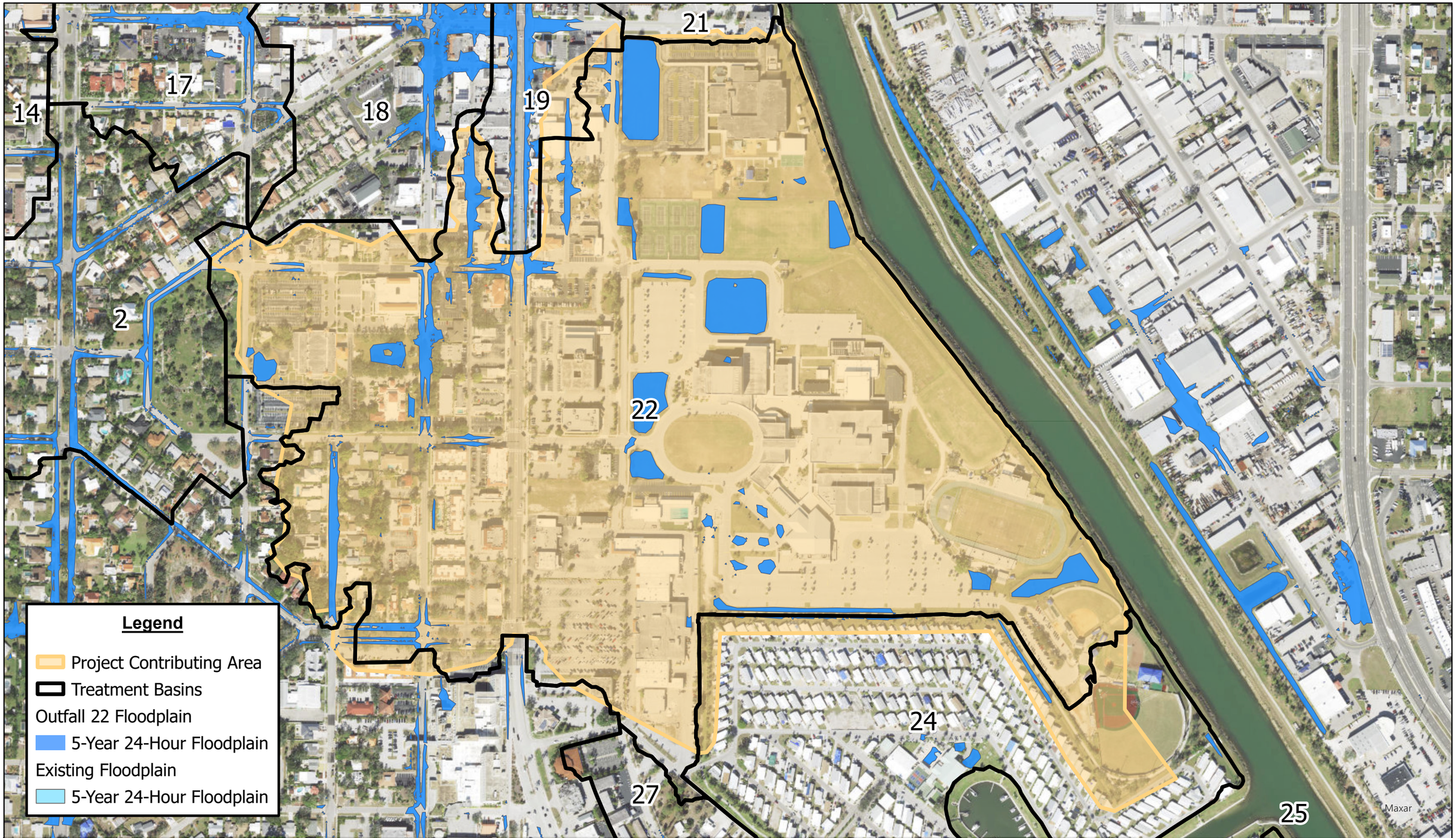
D-3



OUTFALL 22 IMPROVEMENTS

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 450 900 Feet

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Legend

- Project Contributing Area
- Treatment Basins
- Outfall 22 Floodplain
- 2-Year 24-Hour Floodplain
- Existing Floodplain
- 2-Year 24-Hour Floodplain

Maxar, Microsoft

OUTFALL 22 IMPROVEMENTS

2-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 450 900 Feet

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Kimley»Horn

D-5

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.41	6.41	0.00	5.51	5.51	0.00
00100A	9.79	9.79	0.00	9.57	9.57	0.00	9.36	9.36	0.00	8.89	8.89	0.00	7.70	7.70	0.00
00100B	9.83	9.83	0.00	9.60	9.60	0.00	9.38	9.38	0.00	8.92	8.92	0.00	7.90	7.90	0.00
00100C	9.88	9.88	0.00	9.63	9.63	0.00	9.40	9.40	0.00	8.93	8.93	0.00	7.99	7.99	0.00
00200	9.91	9.91	0.00	9.65	9.65	0.00	9.41	9.41	0.00	8.94	8.94	0.00	8.08	8.08	0.00
00200A	6.29	6.29	0.00	6.19	6.19	0.00	6.10	6.10	0.00	5.96	5.96	0.00	5.80	5.80	0.00
00204	10.41	10.41	0.00	10.09	10.09	0.00	9.84	9.84	0.00	9.64	9.64	0.00	9.32	9.32	0.00
00210	10.67	10.67	0.00	10.40	10.40	0.00	10.19	10.19	0.00	10.02	10.02	0.00	9.74	9.74	0.00
00212	11.81	11.81	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.96	0.00
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.75	0.00	11.53	11.53	0.00	11.37	11.37	0.00	11.13	11.13	0.00
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.71	0.00	11.54	11.54	0.00	11.33	11.33	0.00
00220	12.44	12.44	0.00	12.14	12.14	0.00	11.92	11.92	0.00	11.76	11.76	0.00	11.56	11.56	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.86	0.00
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.53	0.00
00234	12.90	12.90	0.00	12.78	12.78	0.00	12.70	12.70	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.38	0.00	13.18	13.18	0.00	13.03	13.03	0.00	12.81	12.81	0.00
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.54	0.00
00242	13.79	13.79	0.00	13.56	13.56	0.00	13.36	13.36	0.00	13.22	13.22	0.00	12.99	12.99	0.00
00250	14.06	14.06	0.00	13.88	13.88	0.00	13.70	13.70	0.00	13.57	13.57	0.00	13.33	13.33	0.00
00251	13.77	13.77	0.00	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.76	0.00	2.92	2.92	0.00	2.45	2.45	0.00	2.19	2.19	0.00	1.94	1.94	0.00
00501	3.83	3.83	0.00	2.98	2.98	0.00	2.50	2.50	0.00	2.24	2.24	0.00	1.97	1.97	0.00
00502	4.34	4.34	0.00	3.43	3.43	0.00	2.93	2.93	0.00	2.64	2.64	0.00	2.31	2.31	0.00
00510	5.37	5.37	0.00	5.04	5.04	0.00	4.58	4.58	0.00	4.04	4.04	0.00	3.34	3.34	0.00
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.03	0.00	6.62	6.62	0.00	6.00	6.00	0.00	5.05	5.05	0.00	3.88	3.88	0.00
00516	7.84	7.84	0.00	7.23	7.23	0.00	6.56	6.56	0.00	5.72	5.72	0.00	4.58	4.58	0.00
00520	10.02	10.02	0.00	9.78	9.78	0.00	9.55	9.55	0.00	9.28	9.28	0.00	7.71	7.71	0.00
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.29	0.00	10.19	10.19	0.00	9.75	9.75	0.00
00522	11.64	11.64	0.00	11.32	11.32	0.00	11.07	11.07	0.00	10.91	10.91	0.00	10.38	10.38	0.00
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.93	0.00	11.20	11.20	0.00
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.66	0.00	11.05	11.05	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.81	0.00	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.32	0.00
00532	13.59	13.59	0.00	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.60	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.17	0.00
00537	13.67	13.67	0.00	13.53	13.53	0.00	13.44	13.44	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.77	0.00	13.63	13.63	0.00	13.55	13.55	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.78	0.00	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.13	0.00	12.68	12.68	0.00	11.61	11.61	0.00
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.15	0.00	12.79	12.79	0.00	12.64	12.64	0.00
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.47	0.00
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.31	0.00	12.68	12.68	0.00
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.09	0.00	14.68	14.68	0.00	12.87	12.87	0.00
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.54	0.00	13.09	13.09	0.00	11.85	11.85	0.00
00572	14.38	14.38	0.00	14.20	14.20	0.00	13.99	13.99	0.00	13.60	13.60	0.00	12.16	12.16	0.00
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.11	0.00	12.46	12.46	0.00
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.47	0.00	14.11	14.11	0.00	12.46	12.46	0.00
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.54	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	12.68	12.68	0.00
00575B	14.89	14.89	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	13.99	13.99	0.00
00576	15.83	15.83	0.00	15.44	15.44	0.00	15.10	15.10	0.00	14.71	14.71	0.00	12.91	12.91	0.00
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.19	0.00	14.81	14.81	0.00	12.97	12.97	0.00
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	0.00	15.46	15.46	0.00	15.09	15.09	0.00	13.10	13.10	0.00
00582	16.54	16.54	0.00	16.25	16.25	0.00	15.74	15.74	0.00	15.25	15.25	0.00	13.16	13.16	0.00
00583	16.69	16.69	0.00	16.35	16.35	0.00	15.79	15.79	0.00	15.28	15.28	0.00	13.17	13.17	0.00
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.59	0.00	15.29	15.29	0.00	13.22	13.22	0.00
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.43	0.00	13.31	13.31	0.00
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.61	0.00	13.44	13.44	0.00
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.33	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.88	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.77	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.00	0.00	8.53	8.53	0.00	7.97	7.97	0.00	7.30	7.30	0.00	6.71	6.71	0.00
01005	9.04	9.04	0.00	8.58	8.58	0.00	8.02	8.02	0.00	7.37	7.37	0.00	6.82	6.82	0.00
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.72	0.00	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.00	0.00	8.53	8.53	0.00	7.98	7.98	0.00	7.38	7.38	0.00	6.84	6.84	0.00
01100F	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	8.99	0.00	8.51	8.51	0.00	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.72	0.00	8.46	8.46	0.00	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.99	0.00	8.53	8.53	0.00	7.99	7.99	0.00	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.40	7.40	0.00	6.90	6.90	0.00
01200	3.13	3.13	0.00	2.56	2.56	0.00	2.45	2.45	0.00	2.35	2.35	0.00	2.02	2.02	0.00
01201	3.38	3.38	0.00	3.10	3.10	0.00	2.94	2.94	0.00	2.84	2.84	0.00	2.34	2.34	0.00
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.41	0.00	2.09	2.09	0.00	1.90	1.90	0.00	1.81	1.81	0.00	1.72	1.72	0.00
01203	4.26	4.26	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.27	3.27	0.00
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.62	0.00	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.25	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.26	3.26	0.00
01222	5.94	5.94	0.00	5.23	5.23	0.00	4.16	4.16	0.00	3.97	3.97	0.00	3.56	3.56	0.00
01223	5.94	5.94	0.00	5.23	5.23	0.00	4.17	4.17	0.00	3.98	3.98	0.00	3.61	3.61	0.00
01224	5.94	5.94	0.00	5.23	5.23	0.00	4.20	4.20	0.00	4.02	4.02	0.00	3.69	3.69	0.00
01225	6.10	6.10	0.00	5.36	5.36	0.00	4.59	4.59	0.00	4.35	4.35	0.00	3.89	3.89	0.00
01226	6.84	6.84	0.00	6.04	6.04	0.00	5.31	5.31	0.00	4.99	4.99	0.00	4.27	4.27	0.00
01227	7.34	7.34	0.00	6.52	6.52	0.00	5.79	5.79	0.00	5.43	5.43	0.00	4.52	4.52	0.00
01228	7.83	7.83	0.00	7.02	7.02	0.00	6.21	6.21	0.00	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.99	0.00	7.89	7.89	0.00	7.01	7.01	0.00	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.38	8.38	0.00	8.01	8.01	0.00	7.10	7.10	0.00	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.63	0.00	7.94	7.94	0.00	7.12	7.12	0.00	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.38	0.00	8.00	8.00	0.00	7.32	7.32	0.00	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.12	0.00	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.53	0.00	4.06	4.06	0.00	3.82	3.82	0.00	3.64	3.64	0.00	3.32	3.32	0.00
01401	6.39	6.39	0.00	5.53	5.53	0.00	5.14	5.14	0.00	4.87	4.87	0.00	4.39	4.39	0.00
01402	6.46	6.46	0.00	5.62	5.62	0.00	5.24	5.24	0.00	4.98	4.98	0.00	4.54	4.54	0.00
01403	7.40	7.40	0.00	6.22	6.22	0.00	5.75	5.75	0.00	5.47	5.47	0.00	4.95	4.95	0.00
01410	8.69	8.69	0.00	7.58	7.58	0.00	6.88	6.88	0.00	6.55	6.55	0.00	5.86	5.86	0.00
01411	8.94	8.94	0.00	7.87	7.87	0.00	7.03	7.03	0.00	6.67	6.67	0.00	5.96	5.96	0.00
01412	9.11	9.11	0.00	8.63	8.63	0.00	7.58	7.58	0.00	7.01	7.01	0.00	6.25	6.25	0.00
01413	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.60	6.60	0.00
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.68	0.00	9.30	9.30	0.00	7.97	7.97	0.00
01415	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01416	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01417	9.12	9.12	0.00	8.65	8.65	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.64	6.64	0.00
01420	9.10	9.10	0.00	8.52	8.52	0.00	7.78	7.78	0.00	7.42	7.42	0.00	6.58	6.58	0.00
01421	8.94	8.94	0.00	8.68	8.68	0.00	8.23	8.23	0.00	7.95	7.95	0.00	7.41	7.41	0.00
01422	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01430	9.14	9.14	0.00	8.70	8.70	0.00	8.48	8.48	0.00	8.19	8.19	0.00	7.17	7.17	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.14	0.00	8.71	8.71	0.00	8.50	8.50	0.00	8.29	8.29	0.00	7.99	7.99	0.00
01432	9.15	9.15	0.00	8.71	8.71	0.00	8.58	8.58	0.00	8.45	8.45	0.00	8.19	8.19	0.00
01433	9.15	9.15	0.00	8.73	8.73	0.00	8.60	8.60	0.00	8.51	8.51	0.00	8.38	8.38	0.00
01440	9.16	9.16	0.00	8.77	8.77	0.00	8.63	8.63	0.00	8.48	8.48	0.00	8.21	8.21	0.00
01441	9.16	9.16	0.00	8.76	8.76	0.00	8.62	8.62	0.00	8.47	8.47	0.00	8.21	8.21	0.00
01442	9.28	9.28	0.00	9.11	9.11	0.00	8.98	8.98	0.00	8.85	8.85	0.00	8.61	8.61	0.00
01450	9.30	9.30	0.00	9.15	9.15	0.00	9.04	9.04	0.00	8.95	8.95	0.00	8.84	8.84	0.00
01451	9.19	9.19	0.00	8.89	8.89	0.00	8.80	8.80	0.00	8.74	8.74	0.00	8.68	8.68	0.00
01452	10.69	10.69	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.42	0.00	13.34	13.34	0.00	13.27	13.27	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01501	5.29	5.29	0.00	5.14	5.14	0.00	5.03	5.03	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01502	5.32	5.32	0.00	5.15	5.15	0.00	5.04	5.04	0.00	4.94	4.94	0.00	4.80	4.80	0.00
01503	5.69	5.69	0.00	5.41	5.41	0.00	5.26	5.26	0.00	5.13	5.13	0.00	4.89	4.89	0.00
01504	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01510	6.30	6.30	0.00	6.25	6.25	0.00	6.22	6.22	0.00	6.20	6.20	0.00	6.16	6.16	0.00
01520	7.68	7.68	0.00	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.48	0.00
01530	8.32	8.32	0.00	7.93	7.93	0.00	7.76	7.76	0.00	7.69	7.69	0.00	7.60	7.60	0.00
01531	7.10	7.10	0.00	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.93	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.89	0.00	8.68	8.68	0.00	8.51	8.51	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01541	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01550	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01551	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01552	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.52	0.00	5.72	5.72	0.00	5.29	5.29	0.00	4.97	4.97	0.00	3.96	3.96	0.00
01701	6.29	6.29	0.00	5.57	5.57	0.00	4.60	4.60	0.00	3.66	3.66	0.00	3.21	3.21	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.89	0.00	8.77	8.77	0.00	8.31	8.31	0.00	7.14	7.14	0.00	6.22	6.22	0.00
01711	8.87	8.87	0.00	8.76	8.76	0.00	8.36	8.36	0.00	7.52	7.52	0.00	7.03	7.03	0.00
01712	7.79	7.79	0.00	7.68	7.68	0.00	7.59	7.59	0.00	7.52	7.52	0.00	7.44	7.44	0.00
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.04	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.52	0.00	8.86	8.86	0.00	7.64	7.64	0.00
01730	11.07	11.07	0.00	11.01	11.01	0.00	10.96	10.96	0.00	10.66	10.66	0.00	9.39	9.39	0.00
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.00	12.90	12.90	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.65	0.00
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.28	0.00	14.18	14.18	0.00	13.70	13.70	0.00
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.56	0.00
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.62	13.62	0.00
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.00
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.68	0.00
01800	8.51	8.51	0.00	6.96	6.96	0.00	5.38	5.38	0.00	4.43	4.43	0.00	3.40	3.40	0.00
01810	10.46	10.46	0.00	9.95	9.95	0.00	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.52	0.00	10.17	10.17	0.00	7.46	7.46	0.00	5.63	5.63	0.00	3.99	3.99	0.00
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.01	0.00	10.68	10.68	0.00	8.15	8.15	0.00	6.04	6.04	0.00	4.23	4.23	0.00
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.98	0.00	11.68	11.68	0.00	9.53	9.53	0.00	8.45	8.45	0.00	7.76	7.76	0.00
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.21	0.00	11.96	11.96	0.00	11.53	11.53	0.00	11.15	11.15	0.00	10.53	10.53	0.00
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.24	0.00	11.99	11.99	0.00	11.66	11.66	0.00	11.39	11.39	0.00	10.79	10.79	0.00
01870	12.25	12.25	0.00	12.00	12.00	0.00	11.67	11.67	0.00	11.41	11.41	0.00	10.92	10.92	0.00
01880	12.35	12.35	0.00	12.12	12.12	0.00	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.00
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	0.00	4.64	4.64	0.00
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.21	0.00	5.18	5.18	0.00
01902	8.13	8.13	0.00	7.67	7.67	0.00	7.25	7.25	0.00	6.88	6.88	0.00	5.53	5.53	0.00
01911	8.14	8.14	0.00	7.68	7.68	0.00	7.26	7.26	0.00	6.88	6.88	0.00	5.54	5.54	0.00
01920	9.39	9.39	0.00	8.60	8.60	0.00	8.15	8.15	0.00	7.73	7.73	0.00	6.57	6.57	0.00
01921	10.76	10.76	0.00	9.54	9.54	0.00	9.12	9.12	0.00	8.70	8.70	0.00	7.13	7.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.60	0.00	10.86	10.86	0.00	10.52	10.52	0.00	10.14	10.14	0.00	7.95	7.95	0.00
01940	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.27	11.27	0.00	8.58	8.58	0.00
01950	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.28	11.28	0.00	8.61	8.61	0.00
01953	12.26	12.26	0.00	12.01	12.01	0.00	11.69	11.69	0.00	11.33	11.33	0.00	8.81	8.81	0.00
01954	12.34	12.34	0.00	12.08	12.08	0.00	11.94	11.94	0.00	11.82	11.82	0.00	10.47	10.47	0.00
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.55	0.00	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.32	0.00	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.89	0.00	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.69	0.00	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.99	0.00	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	0.00	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.22	0.00	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.33	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.45	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.85	0.00
02250	12.38	12.38	0.00	11.92	11.92	0.00	11.25	11.25	0.00	10.45	10.45	0.00	9.81	9.81	0.00
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.89	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.29	0.00	11.97	11.97	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	0.00	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	0.00	12.07	12.07	0.00	11.64	11.64	0.00	10.94	10.94	0.00	10.44	10.44	0.00
02261	12.35	12.35	0.00	12.06	12.06	0.00	11.65	11.65	0.00	11.06	11.06	0.00	10.80	10.80	0.00
02270	12.50	12.50	0.00	12.35	12.35	0.00	12.21	12.21	0.00	11.97	11.97	0.00	11.74	11.74	0.00
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.28	0.00	12.13	12.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.16	0.00	13.07	13.07	0.00	12.94	12.94	0.00
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.38	0.00	12.19	12.19	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.23	0.00	12.81	12.81	0.00	12.47	12.47	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	0.00	13.23	13.23	0.00	12.73	12.73	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.98	0.00	12.89	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.35	0.00
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.11	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	0.00	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.94	0.00	13.03	13.03	0.00
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.44	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.68	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.51	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.23	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.66	0.00	10.33	10.33	0.00
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.85	0.00
N00235	13.20	13.20	0.00	12.95	12.95	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.41	0.00
N00237	13.37	13.37	0.00	13.12	13.12	0.00	12.91	12.91	0.00	12.76	12.76	0.00	12.58	12.58	0.00
N00255	14.05	14.05	0.00	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.28	0.00	6.09	6.09	0.00	5.93	5.93	0.00	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	0.00	6.58	6.58	0.00	6.48	6.48	0.00	5.81	5.81	0.00
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.09	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 22 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Outfall 22

Outfall 2301

Outfall 2290

Outfall 24

S TAMIAMI TRL

US 41 BYP S

MYRTLE AVE

Maxar, Microsoft

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Baffle Box
- Add Pipes
- Structures
- Project Contributing Area

OUTFALL 22 IMPROVEMENTS

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 450 900 Feet

N

Kimley»Horn

D-6

Complete Report (not including cost) Ver 4.3.5

Project: Outfall 22 Improvements
Date: 10/30/2024 8:46:05 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Outfall 22
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00
Pre-Condition Landuse Information	
Landuse	High-Intensity Commercial: TN=2.40 TP=0.345
Area (acres)	133.28
Rational Coefficient (0-1)	0.28
Non DCIA Curve Number	90.40
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.400
Phosphorus EMC (mg/l)	0.345
Runoff Volume (ac-ft/yr)	161.159
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	476.901
Phosphorus Loading (kg/yr)	68.554
Post-Condition Landuse Information	
Landuse	High-Intensity Commercial: TN=2.40 TP=0.345

Area (acres)	133.28
Rational Coefficient (0-1)	0.28
Non DCIA Curve Number	90.40
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	2.400
Phosphorus EMC (mg/l)	0.345
Runoff Volume (ac-ft/yr)	161.159
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	476.901
Phosphorus Loading (kg/yr)	68.554

Catchment Number: 1 Name: Outfall 22

Project: Outfall 22 Improvements
Date: 10/30/2024

User Defined BMP Design

Contributing Catchment Area (acres)	133.280
Provided Nitrogen Treatment Efficiency (%)	19
Provided Phosphorus Treatment Efficiency (%)	16

Watershed Characteristics

Catchment Area (acres)	133.28
Contributing Area (acres)	133.280
Non-DCIA Curve Number	90.40
DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	19
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	16

Media Mix Information

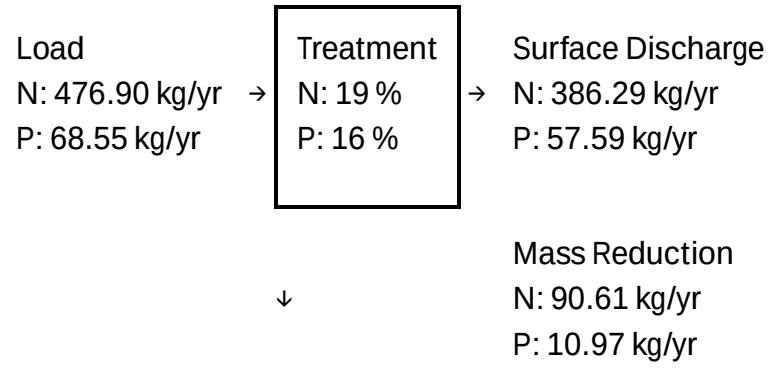
Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

Groundwater Discharge (Stand-Alone)

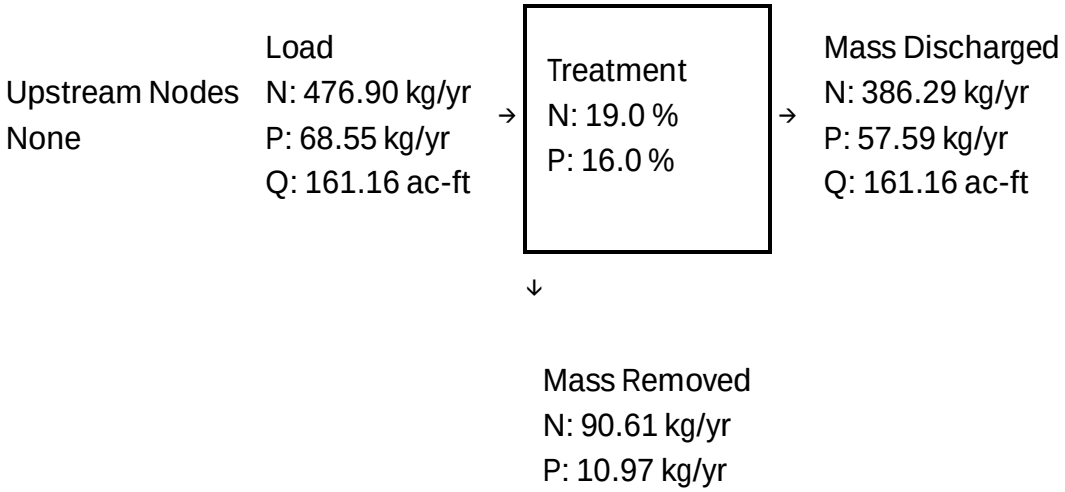
Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.000
TN Concentration (mg/L)	0.000

TP Mass Load (kg/yr)	0.000
TP Concentration (mg/L)	0.000

Load Diagram for User Defined BMP (stand-alone)



Load Diagram for User Defined BMP (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Outfall 22

Analysis Type: BMP Analysis

Date:10/30/2024

BMP Types:

Catchment 1 - (Outfall 22) User Defined BMP

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge		
Total N post load	476.9 kg/yr	
Percent N load reduction	19 %	
Provided N discharge load	386.29 kg/yr	851.77 lb/yr
Provided N load removed	90.61 kg/yr	199.8 lb/yr

Phosphorus

Surface Water Discharge		
Total P post load	68.554 kg/yr	
Percent P load reduction	16 %	
Provided P discharge load	57.586 kg/yr	126.98 lb/yr
Provided P load removed	10.969 kg/yr	24.186 lb/yr

E-1 100-YR 24-HR Floodplain Map

E-2 25-YR 24-HR Floodplain Map

E-3 10-YR 24-HR Floodplain Map

E-4 5-YR 24-HR Floodplain Map

E-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

E-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix E – Outfall 10 Improvements



OUTFALL 10 IMPROVEMENTS

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 200 400 Feet

N

Kimley»Horn

E-1



OUTFALL 10 IMPROVEMENTS
25-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 200 400 Feet

N

Kimley»Horn

E-2



OUTFALL 10 IMPROVEMENTS

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 200 400 Feet

N

Kimley»Horn

E-3



OUTFALL 10 IMPROVEMENTS
5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 200 400 Feet

N

Kimley»Horn

E-4



OUTFALL 10 IMPROVEMENTS
2-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 200 400 Feet

N

Kimley»Horn

E-5

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.41	6.41	0.00	5.51	5.51	0.00
00100A	9.79	9.79	0.00	9.57	9.57	0.00	9.36	9.36	0.00	8.89	8.89	0.00	7.70	7.70	0.00
00100B	9.83	9.83	0.00	9.60	9.60	0.00	9.38	9.38	0.00	8.92	8.92	0.00	7.90	7.90	0.00
00100C	9.88	9.88	0.00	9.63	9.63	0.00	9.40	9.40	0.00	8.93	8.93	0.00	7.99	7.99	0.00
00200	9.91	9.91	0.00	9.65	9.65	0.00	9.41	9.41	0.00	8.94	8.94	0.00	8.08	8.08	0.00
00200A	6.29	6.29	0.00	6.19	6.19	0.00	6.10	6.10	0.00	5.96	5.96	0.00	5.80	5.80	0.00
00204	10.41	10.41	0.00	10.09	10.09	0.00	9.84	9.84	0.00	9.64	9.64	0.00	9.32	9.32	0.00
00210	10.67	10.67	0.00	10.40	10.40	0.00	10.19	10.19	0.00	10.02	10.02	0.00	9.74	9.74	0.00
00212	11.81	11.81	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.96	0.00
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.75	0.00	11.53	11.53	0.00	11.37	11.37	0.00	11.13	11.13	0.00
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.71	0.00	11.54	11.54	0.00	11.33	11.33	0.00
00220	12.44	12.44	0.00	12.14	12.14	0.00	11.92	11.92	0.00	11.76	11.76	0.00	11.56	11.56	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.86	0.00
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.53	0.00
00234	12.90	12.90	0.00	12.78	12.78	0.00	12.70	12.70	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.38	0.00	13.18	13.18	0.00	13.03	13.03	0.00	12.81	12.81	0.00
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.54	0.00
00242	13.79	13.79	0.00	13.56	13.56	0.00	13.36	13.36	0.00	13.22	13.22	0.00	12.99	12.99	0.00
00250	14.06	14.06	0.00	13.88	13.88	0.00	13.70	13.70	0.00	13.57	13.57	0.00	13.33	13.33	0.00
00251	13.77	13.77	0.00	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.76	0.00	2.92	2.92	0.00	2.45	2.45	0.00	2.19	2.19	0.00	1.94	1.94	0.00
00501	3.83	3.83	0.00	2.98	2.98	0.00	2.50	2.50	0.00	2.24	2.24	0.00	1.97	1.97	0.00
00502	4.34	4.34	0.00	3.43	3.43	0.00	2.93	2.93	0.00	2.64	2.64	0.00	2.31	2.31	0.00
00510	5.37	5.37	0.00	5.04	5.04	0.00	4.58	4.58	0.00	4.04	4.04	0.00	3.34	3.34	0.00
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.03	0.00	6.62	6.62	0.00	6.00	6.00	0.00	5.05	5.05	0.00	3.88	3.88	0.00
00516	7.84	7.84	0.00	7.23	7.23	0.00	6.56	6.56	0.00	5.72	5.72	0.00	4.58	4.58	0.00
00520	10.02	10.02	0.00	9.78	9.78	0.00	9.55	9.55	0.00	9.28	9.28	0.00	7.71	7.71	0.00
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.29	0.00	10.19	10.19	0.00	9.75	9.75	0.00
00522	11.64	11.64	0.00	11.32	11.32	0.00	11.07	11.07	0.00	10.91	10.91	0.00	10.38	10.38	0.00
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.93	0.00	11.20	11.20	0.00
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.66	0.00	11.05	11.05	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.81	0.00	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.32	0.00
00532	13.59	13.59	0.00	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.60	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.17	0.00
00537	13.67	13.67	0.00	13.53	13.53	0.00	13.44	13.44	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.77	0.00	13.63	13.63	0.00	13.55	13.55	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.78	0.00	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.13	0.00	12.68	12.68	0.00	11.61	11.61	0.00
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.15	0.00	12.79	12.79	0.00	12.64	12.64	0.00
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.47	0.00
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.31	0.00	12.68	12.68	0.00
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.09	0.00	14.68	14.68	0.00	12.87	12.87	0.00
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.54	0.00	13.09	13.09	0.00	11.85	11.85	0.00
00572	14.38	14.38	0.00	14.20	14.20	0.00	13.99	13.99	0.00	13.60	13.60	0.00	12.16	12.16	0.00
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.11	0.00	12.46	12.46	0.00
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.47	0.00	14.11	14.11	0.00	12.46	12.46	0.00
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.54	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	12.68	12.68	0.00
00575B	14.89	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	13.99	13.99	0.00
00576	15.83	15.83	0.00	15.44	15.44	0.00	15.10	15.10	0.00	14.71	14.71	0.00	12.91	12.91	0.00
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.19	0.00	14.81	14.81	0.00	12.97	12.97	0.00
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	0.00	15.46	15.46	0.00	15.09	15.09	0.00	13.10	13.10	0.00
00582	16.54	16.54	0.00	16.25	16.25	0.00	15.74	15.74	0.00	15.25	15.25	0.00	13.16	13.16	0.00
00583	16.69	16.69	0.00	16.35	16.35	0.00	15.79	15.79	0.00	15.28	15.28	0.00	13.17	13.17	0.00
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.59	0.00	15.29	15.29	0.00	13.22	13.22	0.00
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.43	0.00	13.31	13.31	0.00
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.61	0.00	13.44	13.44	0.00
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.33	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.88	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.76	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	8.99	-0.01	8.53	8.52	-0.01	7.97	7.87	-0.10	7.30	7.21	-0.08	6.71	6.58	-0.12
01005	9.04	9.02	-0.02	8.58	8.55	-0.03	8.02	7.86	-0.17	7.37	7.19	-0.18	6.82	6.55	-0.28
01020	9.62	9.56	-0.05	9.45	9.13	-0.31	8.72	7.82	-0.90	7.90	7.10	-0.80	7.31	6.38	-0.93
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	8.98	-0.02	8.53	8.51	-0.02	7.98	7.87	-0.11	7.38	7.20	-0.17	6.84	6.59	-0.26
01100F	9.00	8.98	-0.02	8.52	8.51	-0.02	7.98	7.87	-0.11	7.53	7.51	-0.01	7.35	7.35	0.00
01100G	8.99	8.97	-0.02	8.51	8.50	-0.02	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.71	-0.01	8.46	8.44	-0.01	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.97	-0.02	8.53	8.51	-0.02	7.99	7.88	-0.11	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	8.98	-0.02	8.52	8.50	-0.02	7.98	7.87	-0.11	7.40	7.27	-0.13	6.90	6.71	-0.19
01200	3.13	3.13	0.00	2.56	2.56	0.00	2.45	2.45	0.00	2.35	2.35	0.00	2.02	2.02	0.00
01201	3.38	3.38	0.00	3.10	3.10	0.00	2.94	2.94	0.00	2.84	2.84	0.00	2.34	2.34	0.00
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.41	0.00	2.09	2.09	0.00	1.90	1.90	0.00	1.81	1.81	0.00	1.72	1.72	0.00
01203	4.26	4.26	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.27	3.27	0.00
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.62	0.00	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.25	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.26	3.26	0.00
01222	5.94	5.94	0.00	5.23	5.23	0.00	4.16	4.16	0.00	3.97	3.97	0.00	3.56	3.56	0.00
01223	5.94	5.94	0.00	5.23	5.23	0.00	4.17	4.17	0.00	3.98	3.98	0.00	3.61	3.61	0.00
01224	5.94	5.94	0.00	5.23	5.23	0.00	4.20	4.20	0.00	4.02	4.02	0.00	3.69	3.69	0.00
01225	6.10	6.10	0.00	5.36	5.36	0.00	4.59	4.59	0.00	4.35	4.35	0.00	3.89	3.89	0.00
01226	6.84	6.84	0.00	6.04	6.04	0.00	5.31	5.31	0.00	4.99	4.99	0.00	4.27	4.27	0.00
01227	7.34	7.34	0.00	6.52	6.52	0.00	5.79	5.79	0.00	5.43	5.43	0.00	4.52	4.52	0.00
01228	7.83	7.83	0.00	7.02	7.02	0.00	6.21	6.21	0.00	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.99	0.00	7.89	7.89	0.00	7.01	7.01	0.00	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.38	8.38	0.00	8.01	8.01	0.00	7.10	7.10	0.00	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.63	0.00	7.94	7.94	0.00	7.12	7.12	0.00	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.38	0.00	8.00	8.00	0.00	7.32	7.32	0.00	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.12	0.00	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.53	0.00	4.06	4.06	0.00	3.82	3.82	0.00	3.64	3.64	0.00	3.32	3.32	0.00
01401	6.39	6.39	0.00	5.53	5.53	0.00	5.14	5.14	0.00	4.87	4.87	0.00	4.39	4.39	0.00
01402	6.46	6.46	0.00	5.62	5.62	0.00	5.24	5.24	0.00	4.98	4.98	0.00	4.54	4.54	0.00
01403	7.40	7.40	0.00	6.22	6.22	0.00	5.75	5.75	0.00	5.47	5.47	0.00	4.95	4.95	0.00
01410	8.69	8.69	0.00	7.58	7.58	0.00	6.88	6.88	0.00	6.55	6.55	0.00	5.86	5.86	0.00
01411	8.94	8.94	0.00	7.87	7.87	0.00	7.03	7.03	0.00	6.67	6.67	0.00	5.96	5.96	0.00
01412	9.11	9.11	0.00	8.63	8.63	0.00	7.58	7.58	0.00	7.01	7.01	0.00	6.25	6.25	0.00
01413	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.60	6.60	0.00
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.68	0.00	9.30	9.30	0.00	7.97	7.97	0.00
01415	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01416	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01417	9.12	9.12	0.00	8.65	8.65	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.64	6.64	0.00
01420	9.10	9.10	0.00	8.52	8.52	0.00	7.78	7.78	0.00	7.42	7.42	0.00	6.58	6.58	0.00
01421	8.94	8.94	0.00	8.68	8.68	0.00	8.23	8.23	0.00	7.95	7.95	0.00	7.41	7.41	0.00
01422	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01430	9.14	9.14	0.00	8.70	8.70	0.00	8.48	8.48	0.00	8.19	8.19	0.00	7.17	7.17	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.14	0.00	8.71	8.71	0.00	8.50	8.50	0.00	8.29	8.29	0.00	7.99	7.99	0.00
01432	9.15	9.15	0.00	8.71	8.71	0.00	8.58	8.58	0.00	8.45	8.45	0.00	8.19	8.19	0.00
01433	9.15	9.15	0.00	8.73	8.73	0.00	8.60	8.60	0.00	8.51	8.51	0.00	8.38	8.38	0.00
01440	9.16	9.16	0.00	8.77	8.77	0.00	8.63	8.63	0.00	8.48	8.48	0.00	8.21	8.21	0.00
01441	9.16	9.16	0.00	8.76	8.76	0.00	8.62	8.62	0.00	8.47	8.47	0.00	8.21	8.21	0.00
01442	9.28	9.28	0.00	9.11	9.11	0.00	8.98	8.98	0.00	8.85	8.85	0.00	8.61	8.61	0.00
01450	9.30	9.30	0.00	9.15	9.15	0.00	9.04	9.04	0.00	8.95	8.95	0.00	8.84	8.84	0.00
01451	9.19	9.19	0.00	8.89	8.89	0.00	8.80	8.80	0.00	8.74	8.74	0.00	8.68	8.68	0.00
01452	10.69	10.69	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.42	0.00	13.34	13.34	0.00	13.27	13.27	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01501	5.29	5.29	0.00	5.14	5.14	0.00	5.03	5.03	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01502	5.32	5.32	0.00	5.15	5.15	0.00	5.04	5.04	0.00	4.94	4.94	0.00	4.80	4.80	0.00
01503	5.69	5.69	0.00	5.41	5.41	0.00	5.26	5.26	0.00	5.13	5.13	0.00	4.89	4.89	0.00
01504	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01510	6.30	6.30	0.00	6.25	6.25	0.00	6.22	6.22	0.00	6.20	6.20	0.00	6.16	6.16	0.00
01520	7.68	7.68	0.00	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.48	0.00
01530	8.32	8.32	0.00	7.93	7.93	0.00	7.76	7.76	0.00	7.69	7.69	0.00	7.60	7.60	0.00
01531	7.10	7.10	0.00	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.93	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.89	0.00	8.68	8.68	0.00	8.51	8.51	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01541	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01550	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01551	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01552	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.52	0.00	5.72	5.72	0.00	5.29	5.29	0.00	4.97	4.97	0.00	3.96	3.96	0.00
01701	6.29	6.29	0.00	5.57	5.57	0.00	4.60	4.60	0.00	3.66	3.66	0.00	3.21	3.21	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.89	0.00	8.77	8.77	0.00	8.31	8.31	0.00	7.14	7.14	0.00	6.22	6.22	0.00
01711	8.87	8.87	0.00	8.76	8.76	0.00	8.36	8.36	0.00	7.52	7.52	0.00	7.03	7.03	0.00
01712	7.79	7.79	0.00	7.68	7.68	0.00	7.59	7.59	0.00	7.52	7.52	0.00	7.44	7.44	0.00
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.04	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.52	0.00	8.86	8.86	0.00	7.64	7.64	0.00
01730	11.07	11.07	0.00	11.01	11.01	0.00	10.96	10.96	0.00	10.66	10.66	0.00	9.39	9.39	0.00
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.00	12.90	12.90	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.65	0.00
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.28	0.00	14.18	14.18	0.00	13.70	13.70	0.00
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.56	0.00
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.62	13.62	0.00
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.00
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.68	0.00
01800	8.51	8.51	0.00	6.96	6.96	0.00	5.38	5.38	0.00	4.43	4.43	0.00	3.40	3.40	0.00
01810	10.46	10.46	0.00	9.95	9.95	0.00	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.52	0.00	10.17	10.17	0.00	7.46	7.46	0.00	5.63	5.63	0.00	3.99	3.99	0.00
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.01	0.00	10.68	10.68	0.00	8.15	8.15	0.00	6.04	6.04	0.00	4.23	4.23	0.00
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.98	0.00	11.68	11.68	0.00	9.53	9.53	0.00	8.45	8.45	0.00	7.76	7.76	0.00
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.21	0.00	11.96	11.96	0.00	11.53	11.53	0.00	11.15	11.15	0.00	10.53	10.53	0.00
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.24	0.00	11.99	11.99	0.00	11.66	11.66	0.00	11.39	11.39	0.00	10.79	10.79	0.00
01870	12.25	12.25	0.00	12.00	12.00	0.00	11.67	11.67	0.00	11.41	11.41	0.00	10.92	10.92	0.00
01880	12.35	12.35	0.00	12.12	12.12	0.00	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.00
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	0.00	4.64	4.64	0.00
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.21	0.00	5.18	5.18	0.00
01902	8.13	8.13	0.00	7.67	7.67	0.00	7.25	7.25	0.00	6.88	6.88	0.00	5.53	5.53	0.00
01911	8.14	8.14	0.00	7.68	7.68	0.00	7.26	7.26	0.00	6.88	6.88	0.00	5.54	5.54	0.00
01920	9.39	9.39	0.00	8.60	8.60	0.00	8.15	8.15	0.00	7.73	7.73	0.00	6.57	6.57	0.00
01921	10.76	10.76	0.00	9.54	9.54	0.00	9.12	9.12	0.00	8.70	8.70	0.00	7.13	7.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.60	0.00	10.86	10.86	0.00	10.52	10.52	0.00	10.14	10.14	0.00	7.95	7.95	0.00
01940	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.27	11.27	0.00	8.58	8.58	0.00
01950	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.28	11.28	0.00	8.61	8.61	0.00
01953	12.26	12.26	0.00	12.01	12.01	0.00	11.69	11.69	0.00	11.33	11.33	0.00	8.81	8.81	0.00
01954	12.34	12.34	0.00	12.08	12.08	0.00	11.94	11.94	0.00	11.82	11.82	0.00	10.47	10.47	0.00
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.55	0.00	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.32	0.00	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.89	0.00	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.69	0.00	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.99	0.00	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	0.00	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.22	0.00	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.33	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.45	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.85	0.00
02250	12.38	12.38	0.00	11.92	11.92	0.00	11.25	11.25	0.00	10.45	10.45	0.00	9.81	9.81	0.00
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.89	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.29	0.00	11.97	11.97	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	0.00	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	0.00	12.07	12.07	0.00	11.64	11.64	0.00	10.94	10.94	0.00	10.44	10.44	0.00
02261	12.35	12.35	0.00	12.06	12.06	0.00	11.65	11.65	0.00	11.06	11.06	0.00	10.80	10.80	0.00
02270	12.50	12.50	0.00	12.35	12.35	0.00	12.21	12.21	0.00	11.97	11.97	0.00	11.74	11.74	0.00
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.28	0.00	12.13	12.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.16	0.00	13.07	13.07	0.00	12.94	12.94	0.00
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.38	0.00	12.19	12.19	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.23	0.00	12.81	12.81	0.00	12.47	12.47	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	0.00	13.23	13.23	0.00	12.73	12.73	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.98	0.00	12.89	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.35	0.00
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.11	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	0.00	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.94	0.00	13.03	13.03	0.00
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.45	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.69	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.52	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.23	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.66	0.00	10.33	10.33	0.00
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.85	0.00
N00235	13.20	13.20	0.00	12.95	12.95	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.41	0.00
N00237	13.37	13.37	0.00	13.12	13.12	0.00	12.91	12.91	0.00	12.76	12.76	0.00	12.58	12.58	0.00
N00255	14.05	14.05	0.00	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.28	0.00	6.09	6.09	0.00	5.93	5.93	0.00	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	0.00	6.58	6.58	0.00	6.48	6.48	0.00	5.81	5.81	0.00
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.09	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

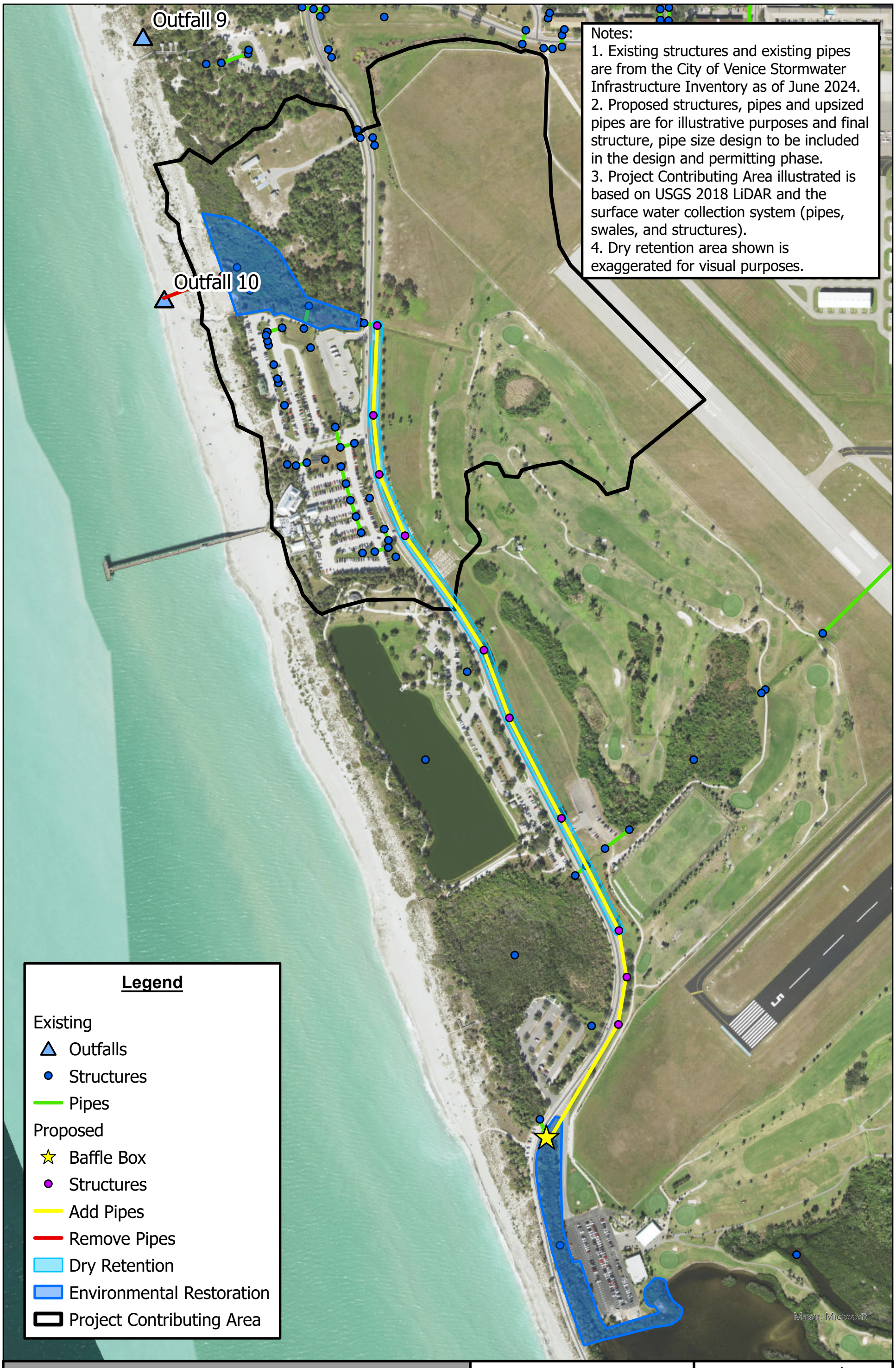
Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 10 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00



OUTFALL 10 IMPROVEMENTS

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 200 400 Feet

N

Kimley»Horn

E-6

Complete Report (not including cost) Ver 4.3.5

Project: Outfall 10 Improvements
Date: 12/19/2024 11:13:41 AM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Outfall 10
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Rangeland/Parkland: TN=1.150 TP=0.055
Area (acres)	72.72
Rational Coefficient (0-1)	0.05
Non DCIA Curve Number	64.30
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	1.150
Phosphorus EMC (mg/l)	0.055
Runoff Volume (ac-ft/yr)	16.399
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	23.253
Phosphorus Loading (kg/yr)	1.112

Post-Condition Landuse Information

Landuse	Rangeland/Parkland: TN=1.150 TP=0.055

Area (acres)	72.72
Rational Coefficient (0-1)	0.05
Non DCIA Curve Number	64.30
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	1.150
Phosphorus EMC (mg/l)	0.055
Runoff Volume (ac-ft/yr)	16.399
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	23.253
Phosphorus Loading (kg/yr)	1.112

Catchment Number: 1 Name: Outfall 10

Project: Outfall 10 Improvements
Date: 12/19/2024

Multiple BMP in Series Design Parameters

BMP in Series Number: 1
BMP Type: Swale

Swale Top Width for Flood Conditions - W (ft)	21.000
Swale Bottom Width - B (ft)	5.000
Swale Length - L (ft)	2,810.000
Average Impervious Length (ft)	0.000

Average Impervious Width (ft)	0.000
Average Pervious Width (ft)	21.000
Swale Slope (foot drop/foot length) - S	0.010
Mannings N	0.030
Soil Infiltration Rate (in/hr)	9.000
Side Slope of Swale horizontal/vertical - Z	0.000
Average Height of Swale Block - H	0.250
Length of Berm Upstream of Crest - L_b	0.000
Runoff Area (acres)	0.000
Number of Swale Blocks	

BMP in Series Number: 2
BMP Type: User Defined BMP

Contributing Catchment Area (acres)	72.720
Provided Nitrogen Treatment Efficiency (%)	19
Provided Phosphorus Treatment Efficiency (%)	16

BMP in Series Number: 3
BMP Type: None

BMP in Series Number: 4
BMP Type: None

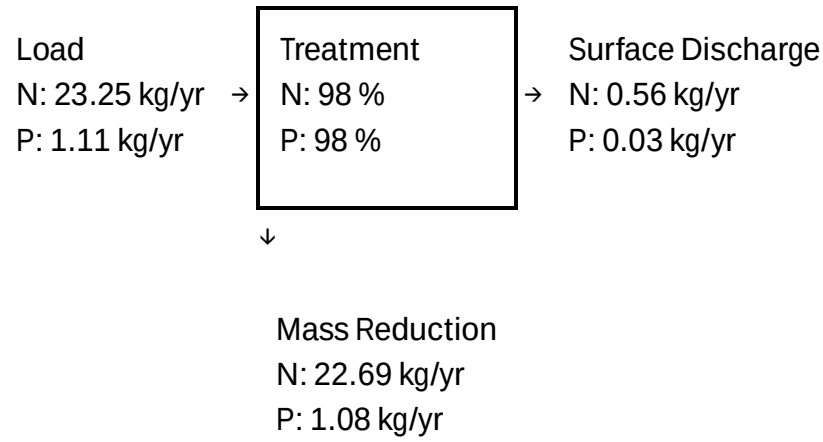
Watershed Characteristics

Catchment Area (acres)	72.72
Contributing Area (acres)	72.720
Non-DCIA Curve Number	64.30
DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

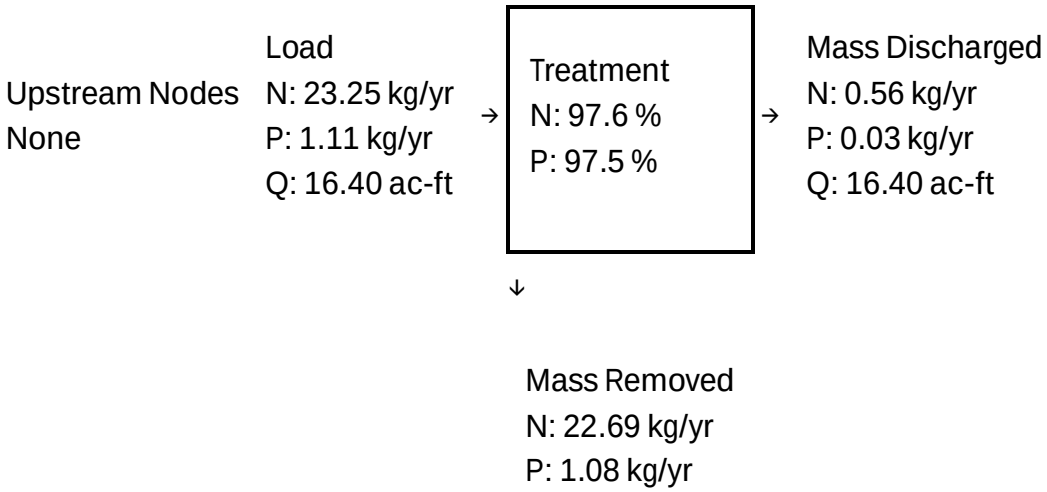
Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	98
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	98

Load for Multiple BMP in Series



Load Diagram for Multiple BMP (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Outfall 10 Improvements

Analysis Type: BMP Analysis

Date:12/19/2024

BMP Types:

Catchment 1 - (Outfall 10)

Multiple BMP

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge

Total N post load	23.25 kg/yr	
Percent N load reduction	98 %	
Provided N discharge load	.56 kg/yr	1.23 lb/yr
Provided N load removed	22.69 kg/yr	50.04 lb/yr

Phosphorus

Surface Water Discharge

Total P post load	1.112 kg/yr	
Percent P load reduction	98 %	
Provided P discharge load	.028 kg/yr	.06 lb/yr
Provided P load removed	1.084 kg/yr	2.391 lb/yr

F-1 100-YR 24-HR Floodplain Map

F-2 25-YR 24-HR Floodplain Map

F-3 10-YR 24-HR Floodplain Map

F-4 5-YR 24-HR Floodplain Map

F-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

F-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix F – Outfall 15 Improvements

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Maxar, Microsoft

Legend

- Project Contributing Area
- Treatment Basins

Outfall 15 Floodplain

- 100-Year 24-Hour Floodplain

Existing Floodplain

- 100-Year 24-Hour Floodplain

OUTFALL 15 IMPROVEMENTS

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

F-1

15

14

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Legend

- Project Contributing Area
- Treatment Basins

Outfall 15 Floodplain

- 25-Year 24-Hour Floodplain

Existing Floodplain

- 25-Year 24-Hour Floodplain

Maxar, Microsoft

OUTFALL 15 IMPROVEMENTS

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

F-2

15

14

17

Maxar

Legend

- Project Contributing Area
- Treatment Basins

Outfall 15 Floodplain

- 10-Year 24-Hour Floodplain

Existing Floodplain

- 10-Year 24-Hour Floodplain

OUTFALL 15 IMPROVEMENTS

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

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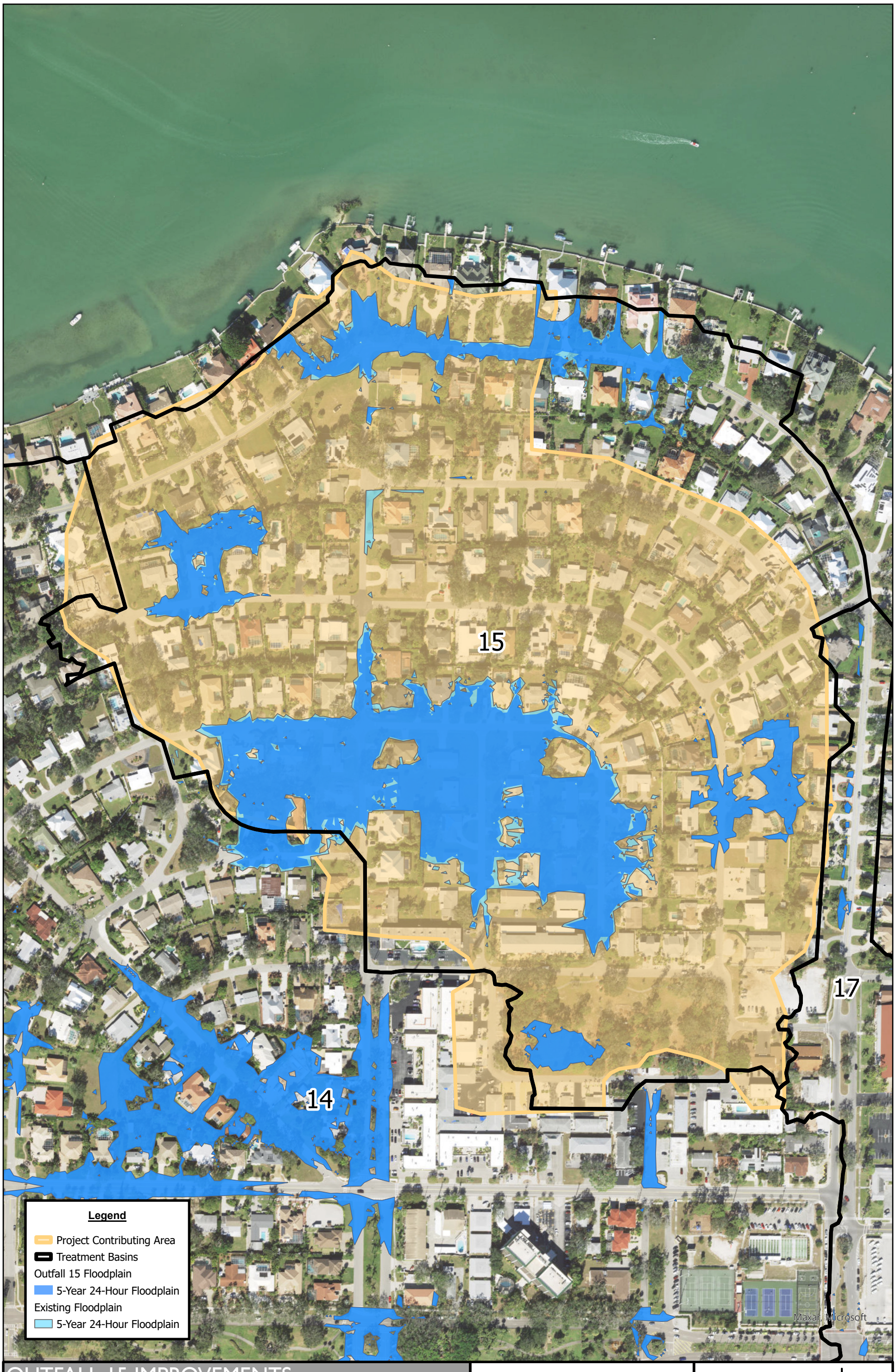

OUTFALL 15 IMPROVEMENTS
5-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

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15

14

17

Legend

- Project Contributing Area
- Treatment Basins

Outfall 15 Floodplain

- 2-Year 24-Hour Floodplain

Existing Floodplain

- 2-Year 24-Hour Floodplain

Maxar, Microsoft

OUTFALL 15 IMPROVEMENTS

2-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 125 250 Feet

N

Kimley»Horn

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NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.41	6.41	0.00	5.51	5.51	0.00
00100A	9.79	9.79	0.00	9.57	9.57	0.00	9.36	9.36	0.00	8.89	8.89	0.00	7.70	7.70	0.00
00100B	9.83	9.83	0.00	9.60	9.60	0.00	9.38	9.38	0.00	8.92	8.92	0.00	7.90	7.90	0.00
00100C	9.88	9.88	0.00	9.63	9.63	0.00	9.40	9.40	0.00	8.93	8.93	0.00	7.99	7.99	0.00
00200	9.91	9.91	0.00	9.65	9.65	0.00	9.41	9.41	0.00	8.94	8.94	0.00	8.08	8.08	0.00
00200A	6.29	6.29	0.00	6.19	6.19	0.00	6.10	6.10	0.00	5.96	5.96	0.00	5.80	5.80	0.00
00204	10.41	10.41	0.00	10.09	10.09	0.00	9.84	9.84	0.00	9.64	9.64	0.00	9.32	9.32	0.00
00210	10.67	10.67	0.00	10.40	10.40	0.00	10.19	10.19	0.00	10.02	10.02	0.00	9.74	9.74	0.00
00212	11.81	11.81	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.96	0.00
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.75	0.00	11.53	11.53	0.00	11.37	11.37	0.00	11.13	11.13	0.00
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.71	0.00	11.54	11.54	0.00	11.33	11.33	0.00
00220	12.44	12.44	0.00	12.14	12.14	0.00	11.92	11.92	0.00	11.76	11.76	0.00	11.56	11.56	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.86	0.00
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.53	0.00
00234	12.90	12.90	0.00	12.78	12.78	0.00	12.70	12.70	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.38	0.00	13.18	13.18	0.00	13.03	13.03	0.00	12.81	12.81	0.00
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.54	0.00
00242	13.79	13.79	0.00	13.56	13.56	0.00	13.36	13.36	0.00	13.22	13.22	0.00	12.99	12.99	0.00
00250	14.06	14.06	0.00	13.88	13.88	0.00	13.70	13.70	0.00	13.57	13.57	0.00	13.33	13.33	0.00
00251	13.77	13.77	0.00	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.76	0.00	2.92	2.92	0.00	2.45	2.45	0.00	2.19	2.19	0.00	1.94	1.94	0.00
00501	3.83	3.83	0.00	2.98	2.98	0.00	2.50	2.50	0.00	2.24	2.24	0.00	1.97	1.97	0.00
00502	4.34	4.34	0.00	3.43	3.43	0.00	2.93	2.93	0.00	2.64	2.64	0.00	2.31	2.31	0.00
00510	5.37	5.37	0.00	5.04	5.04	0.00	4.58	4.58	0.00	4.04	4.04	0.00	3.34	3.34	0.00
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.03	0.00	6.62	6.62	0.00	6.00	6.00	0.00	5.05	5.05	0.00	3.88	3.88	0.00
00516	7.84	7.84	0.00	7.23	7.23	0.00	6.56	6.56	0.00	5.72	5.72	0.00	4.58	4.58	0.00
00520	10.02	10.02	0.00	9.78	9.78	0.00	9.55	9.55	0.00	9.28	9.28	0.00	7.71	7.71	0.00
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.29	0.00	10.19	10.19	0.00	9.75	9.75	0.00
00522	11.64	11.64	0.00	11.32	11.32	0.00	11.07	11.07	0.00	10.91	10.90	0.00	10.38	10.38	0.00
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.93	0.00	11.20	11.20	0.00
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.66	0.00	11.05	11.05	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.81	0.00	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.32	0.00
00532	13.59	13.59	0.00	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.60	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.17	0.00
00537	13.67	13.67	0.00	13.53	13.53	0.00	13.44	13.44	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.77	0.00	13.63	13.63	0.00	13.55	13.55	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.78	0.00	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.13	0.00	12.68	12.68	0.00	11.61	11.61	0.00
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.15	0.00	12.79	12.79	0.00	12.64	12.64	0.00
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.47	0.00
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.31	0.00	12.68	12.68	0.00
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.09	0.00	14.68	14.68	0.00	12.87	12.87	0.00
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.54	0.00	13.09	13.09	0.00	11.85	11.85	0.00
00572	14.38	14.38	0.00	14.20	14.20	0.00	13.99	13.99	0.00	13.60	13.60	0.00	12.16	12.16	0.00
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.11	0.00	12.46	12.46	0.00
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.47	0.00	14.11	14.11	0.00	12.46	12.46	0.00
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.54	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	12.68	12.68	0.00
00575B	14.89	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	13.99	13.99	0.00
00576	15.83	15.83	0.00	15.44	15.44	0.00	15.10	15.10	0.00	14.71	14.71	0.00	12.91	12.91	0.00
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.19	0.00	14.81	14.81	0.00	12.97	12.97	0.00
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	0.00	15.46	15.46	0.00	15.09	15.09	0.00	13.10	13.10	0.00
00582	16.54	16.54	0.00	16.25	16.25	0.00	15.74	15.74	0.00	15.25	15.25	0.00	13.16	13.16	0.00
00583	16.69	16.69	0.00	16.35	16.35	0.00	15.79	15.79	0.00	15.28	15.28	0.00	13.17	13.17	0.00
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.59	0.00	15.29	15.29	0.00	13.22	13.22	0.00
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.43	0.00	13.31	13.31	0.00
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.61	0.00	13.44	13.44	0.00
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.33	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.88	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.77	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.00	0.00	8.53	8.53	0.00	7.97	7.97	0.00	7.30	7.30	0.00	6.71	6.71	0.00
01005	9.04	9.04	0.00	8.58	8.58	0.00	8.02	8.02	0.00	7.37	7.37	0.00	6.82	6.82	0.00
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.72	0.00	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.00	0.00	8.53	8.53	0.00	7.98	7.98	0.00	7.38	7.38	0.00	6.84	6.84	0.00
01100F	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	8.99	0.00	8.51	8.51	0.00	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.72	0.00	8.46	8.46	0.00	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.99	0.00	8.53	8.53	0.00	7.99	7.99	0.00	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.40	7.40	0.00	6.90	6.90	0.00
01200	3.13	3.13	0.00	2.56	2.56	0.00	2.45	2.45	0.00	2.35	2.35	0.00	2.02	2.02	0.00
01201	3.38	3.38	0.00	3.10	3.10	0.00	2.94	2.94	0.00	2.84	2.84	0.00	2.34	2.34	0.00
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.41	0.00	2.09	2.09	0.00	1.90	1.90	0.00	1.81	1.81	0.00	1.72	1.72	0.00
01203	4.26	4.26	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.27	3.27	0.00
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.62	0.00	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.25	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.26	3.26	0.00
01222	5.94	5.94	0.00	5.23	5.23	0.00	4.16	4.16	0.00	3.97	3.97	0.00	3.56	3.56	0.00
01223	5.94	5.94	0.00	5.23	5.23	0.00	4.17	4.17	0.00	3.98	3.98	0.00	3.61	3.61	0.00
01224	5.94	5.94	0.00	5.23	5.23	0.00	4.20	4.20	0.00	4.02	4.02	0.00	3.69	3.69	0.00
01225	6.10	6.10	0.00	5.36	5.36	0.00	4.59	4.59	0.00	4.35	4.35	0.00	3.89	3.89	0.00
01226	6.84	6.84	0.00	6.04	6.04	0.00	5.31	5.31	0.00	4.99	4.99	0.00	4.27	4.27	0.00
01227	7.34	7.34	0.00	6.52	6.52	0.00	5.79	5.79	0.00	5.43	5.43	0.00	4.52	4.52	0.00
01228	7.83	7.83	0.00	7.02	7.02	0.00	6.21	6.21	0.00	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.98	-0.01	7.89	7.89	0.00	7.01	7.01	0.00	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.38	8.38	0.00	8.01	8.01	0.00	7.10	7.10	0.00	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.63	0.00	7.94	7.94	0.00	7.12	7.12	0.00	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.38	0.00	8.00	8.00	0.00	7.32	7.32	0.00	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.08	-0.04	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.51	-0.02	4.06	4.05	-0.01	3.82	3.81	-0.01	3.64	3.63	-0.01	3.32	3.31	-0.01
01401	6.39	6.37	-0.02	5.53	5.52	-0.01	5.14	5.14	-0.01	4.87	4.86	0.00	4.39	4.38	-0.01
01402	6.46	6.44	-0.02	5.62	5.61	-0.01	5.24	5.24	-0.01	4.98	4.98	0.00	4.54	4.53	-0.01
01403	7.40	7.36	-0.04	6.22	6.21	-0.01	5.75	5.75	0.00	5.47	5.47	0.00	4.95	4.95	0.00
01410	8.69	8.67	-0.03	7.58	7.56	-0.02	6.88	6.88	0.00	6.55	6.54	0.00	5.86	5.85	0.00
01411	8.94	8.93	-0.01	7.87	7.86	-0.02	7.03	7.02	0.00	6.67	6.66	0.00	5.96	5.95	0.00
01412	9.11	9.11	0.00	8.63	8.63	0.00	7.58	7.57	-0.01	7.01	7.01	0.00	6.25	6.25	0.00
01413	9.12	9.11	-0.01	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.46	0.00	6.60	6.60	0.00
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.68	0.00	9.30	9.30	0.00	7.97	7.97	0.00
01415	9.12	9.11	-0.01	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.60	0.00
01416	9.12	9.11	-0.01	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01417	9.12	9.12	-0.01	8.65	8.65	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.64	6.64	0.00
01420	9.10	9.09	-0.01	8.52	8.52	-0.01	7.78	7.77	0.00	7.42	7.42	0.00	6.58	6.58	0.00
01421	8.94	8.92	-0.02	8.68	8.62	-0.06	8.23	8.18	-0.05	7.95	7.90	-0.05	7.41	7.39	-0.02
01422	8.90	8.88	-0.02	8.69	8.63	-0.05	8.52	8.42	-0.10	8.35	8.23	-0.12	8.13	7.99	-0.14
01430	9.14	9.14	0.00	8.70	8.70	0.00	8.48	8.48	0.00	8.19	8.19	0.00	7.17	7.17	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.14	-0.01	8.71	8.70	0.00	8.50	8.50	0.00	8.29	8.29	0.00	7.99	7.98	0.00
01432	9.15	9.14	0.00	8.71	8.71	0.00	8.58	8.58	0.00	8.45	8.45	0.00	8.19	8.19	0.00
01433	9.15	9.15	0.00	8.73	8.73	0.00	8.60	8.60	0.00	8.51	8.51	0.00	8.38	8.38	0.00
01440	9.16	9.16	0.00	8.77	8.77	0.00	8.63	8.63	0.00	8.48	8.48	0.00	8.21	8.21	0.00
01441	9.16	9.15	0.00	8.76	8.76	0.00	8.62	8.62	0.00	8.47	8.47	0.00	8.21	8.21	0.00
01442	9.28	9.28	0.00	9.11	9.11	0.00	8.98	8.98	0.00	8.85	8.85	0.00	8.61	8.61	0.00
01450	9.30	9.30	0.00	9.15	9.15	0.00	9.04	9.04	0.00	8.95	8.95	0.00	8.84	8.84	0.00
01451	9.19	9.18	0.00	8.89	8.89	0.00	8.80	8.80	0.00	8.74	8.74	0.00	8.68	8.68	0.00
01452	10.69	10.69	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.42	0.00	13.34	13.34	0.00	13.27	13.27	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.23	-0.06	5.13	5.07	-0.06	5.02	4.95	-0.07	4.93	4.85	-0.08	4.79	4.63	-0.16
01501	5.29	5.24	-0.06	5.14	5.08	-0.06	5.03	4.96	-0.06	4.93	4.86	-0.07	4.79	4.66	-0.14
01502	5.32	5.25	-0.06	5.15	5.09	-0.07	5.04	4.97	-0.07	4.94	4.86	-0.08	4.80	4.64	-0.16
01503	5.69	5.65	-0.05	5.41	5.36	-0.05	5.26	5.20	-0.05	5.13	5.05	-0.09	4.89	4.73	-0.16
01504	5.29	5.23	-0.06	5.13	5.07	-0.06	5.02	4.95	-0.07	4.93	4.85	-0.08	4.79	4.63	-0.16
01510	6.30	6.35	0.04	6.25	6.26	0.00	6.22	6.16	-0.06	6.20	6.07	-0.13	6.16	5.89	-0.27
01520	7.68	7.56	-0.11	7.61	7.21	-0.41	7.58	6.86	-0.72	7.55	6.64	-0.91	7.48	6.38	-1.11
01530	8.32	8.04	-0.28	7.93	7.41	-0.52	7.76	7.08	-0.68	7.69	6.86	-0.84	7.60	6.61	-0.99
01531	7.10	7.07	-0.02	6.98	6.96	-0.01	6.94	6.91	-0.02	6.91	6.86	-0.04	6.87	6.79	-0.08
01532	7.00	7.00	0.00	6.93	6.92	-0.01	6.89	6.87	-0.02	6.86	6.83	-0.02	6.82	6.77	-0.05
01540	8.89	8.87	-0.02	8.68	8.63	-0.05	8.51	8.41	-0.10	8.35	8.22	-0.13	8.13	7.99	-0.14
01541	8.89	8.87	-0.02	8.69	8.63	-0.05	8.52	8.42	-0.10	8.35	8.22	-0.13	8.13	7.99	-0.14
01550	8.90	8.87	-0.02	8.69	8.63	-0.05	8.52	8.42	-0.10	8.35	8.23	-0.12	8.14	7.99	-0.14
01551	8.89	8.87	-0.02	8.69	8.63	-0.05	8.52	8.42	-0.10	8.35	8.23	-0.13	8.13	7.99	-0.14
01552	8.90	8.88	-0.02	8.69	8.64	-0.05	8.52	8.42	-0.10	8.35	8.23	-0.12	8.14	8.01	-0.13
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.27	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.52	0.00	5.72	5.72	0.00	5.29	5.29	0.00	4.97	4.97	0.00	3.96	3.96	0.00
01701	6.29	6.29	0.00	5.57	5.57	0.00	4.60	4.60	0.00	3.66	3.66	0.00	3.21	3.21	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.89	0.00	8.77	8.77	0.00	8.31	8.31	0.00	7.14	7.14	0.00	6.22	6.22	0.00
01711	8.87	8.87	0.00	8.76	8.76	0.00	8.36	8.36	0.00	7.52	7.52	0.00	7.03	7.03	0.00
01712	7.79	7.79	0.00	7.68	7.68	0.00	7.59	7.59	0.00	7.52	7.52	0.00	7.44	7.44	0.00
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.04	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.52	0.00	8.86	8.86	0.00	7.64	7.64	0.00
01730	11.07	11.07	0.00	11.01	11.01	0.00	10.96	10.96	0.00	10.66	10.66	0.00	9.39	9.39	0.00
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.00	12.90	12.90	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.65	0.00
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.28	0.00	14.18	14.18	0.00	13.70	13.70	0.00
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.56	0.00
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.62	13.62	0.00
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.00
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.68	0.00
01800	8.51	8.51	0.00	6.96	6.96	0.00	5.38	5.38	0.00	4.43	4.43	0.00	3.40	3.40	0.00
01810	10.46	10.46	0.00	9.95	9.95	0.00	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.52	0.00	10.17	10.17	0.00	7.46	7.46	0.00	5.63	5.63	0.00	3.99	3.99	0.00
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.01	0.00	10.68	10.68	0.00	8.15	8.15	0.00	6.04	6.04	0.00	4.23	4.23	0.00
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.98	0.00	11.68	11.68	0.00	9.53	9.53	0.00	8.45	8.45	0.00	7.76	7.76	0.00
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.21	0.00	11.96	11.96	0.00	11.53	11.53	0.00	11.15	11.15	0.00	10.53	10.53	0.00
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.24	0.00	11.99	11.99	0.00	11.66	11.66	0.00	11.39	11.39	0.00	10.79	10.79	0.00
01870	12.25	12.25	0.00	12.00	12.00	0.00	11.67	11.67	0.00	11.41	11.41	0.00	10.92	10.92	0.00
01880	12.35	12.35	0.00	12.12	12.12	0.00	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.00
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	0.00	4.64	4.64	0.00
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.21	0.00	5.18	5.18	0.00
01902	8.13	8.13	0.00	7.67	7.67	0.00	7.25	7.25	0.00	6.88	6.88	0.00	5.53	5.53	0.00
01911	8.14	8.14	0.00	7.68	7.68	0.00	7.26	7.26	0.00	6.88	6.88	0.00	5.54	5.54	0.00
01920	9.39	9.39	0.00	8.60	8.60	0.00	8.15	8.15	0.00	7.73	7.73	0.00	6.57	6.57	0.00
01921	10.76	10.76	0.00	9.54	9.54	0.00	9.12	9.12	0.00	8.70	8.70	0.00	7.13	7.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.60	0.00	10.86	10.86	0.00	10.52	10.52	0.00	10.14	10.14	0.00	7.95	7.95	0.00
01940	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.27	11.27	0.00	8.58	8.58	0.00
01950	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.28	11.28	0.00	8.61	8.61	0.00
01953	12.26	12.26	0.00	12.01	12.01	0.00	11.69	11.69	0.00	11.33	11.33	0.00	8.81	8.81	0.00
01954	12.34	12.34	0.00	12.08	12.08	0.00	11.94	11.94	0.00	11.82	11.82	0.00	10.47	10.47	0.00
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.55	0.00	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.32	0.00	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.89	0.00	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.69	0.00	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.99	0.00	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	0.00	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.22	0.00	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.33	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.45	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.85	0.00
02250	12.38	12.38	0.00	11.92	11.92	0.00	11.25	11.25	0.00	10.45	10.45	0.00	9.81	9.81	0.00
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.89	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.29	0.00	11.97	11.97	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	0.00	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	0.00	12.07	12.07	0.00	11.64	11.64	0.00	10.94	10.94	0.00	10.44	10.44	0.00
02261	12.35	12.35	0.00	12.06	12.06	0.00	11.65	11.65	0.00	11.06	11.06	0.00	10.80	10.80	0.00
02270	12.50	12.50	0.00	12.35	12.35	0.00	12.21	12.21	0.00	11.97	11.97	0.00	11.74	11.74	0.00
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.28	0.00	12.13	12.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.16	0.00	13.07	13.07	0.00	12.94	12.94	0.00
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.38	0.00	12.19	12.19	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.23	0.00	12.81	12.81	0.00	12.47	12.47	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	0.00	13.23	13.23	0.00	12.73	12.73	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.98	0.00	12.89	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.35	0.00
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.11	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	0.00	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.94	0.00	13.03	13.03	0.00
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.44	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.68	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.51	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.23	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.66	0.00	10.33	10.33	0.00
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.85	0.00
N00235	13.20	13.20	0.00	12.95	12.95	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.41	0.00
N00237	13.37	13.37	0.00	13.12	13.12	0.00	12.91	12.91	0.00	12.76	12.76	0.00	12.58	12.58	0.00
N00255	14.05	14.05	0.00	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.28	0.00	6.09	6.09	0.00	5.93	5.93	0.00	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	-0.01	6.58	6.56	-0.02	6.48	6.27	-0.21	5.81	5.51	-0.30
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.09	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Outfall 15 Improvements

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Check Valve

Outfall 15

Outfall 16

CADIZ RD

PARK DALE DR

PARKSIDE DR

MADRID AVE

W VENICE AVE

W VENICE AVE

W VENICE AVE

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Baffle Box
- Structures
- Upsize Pipes
- Project Contributing Area

Maxar, Microsoft

OUTFALL 15 IMPROVEMENTS

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 150 300 Feet

N

Kimley»Horn

F-6

Complete Report (not including cost) Ver 4.3.5

Project: Outfall 15 Improvements
Date: 10/27/2024 2:55:57 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Outfall 15
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	74.37
Rational Coefficient (0-1)	0.04
Non DCIA Curve Number	61.00
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	13.793
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	35.204
Phosphorus Loading (kg/yr)	5.561

Post-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	74.37
Rational Coefficient (0-1)	0.04
Non DCIA Curve Number	61.00
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	13.793
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	35.204
Phosphorus Loading (kg/yr)	5.561

Catchment Number: 1 Name: Outfall 15

Project: Outfall 15
Date: 10/27/2024

User Defined BMP Design

Contributing Catchment Area (acres)	74.370
Provided Nitrogen Treatment Efficiency (%)	19
Provided Phosphorus Treatment Efficiency (%)	16

Watershed Characteristics

Catchment Area (acres)	74.37
Contributing Area (acres)	74.370
Non-DCIA Curve Number	61.00
DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	19
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	16

Media Mix Information

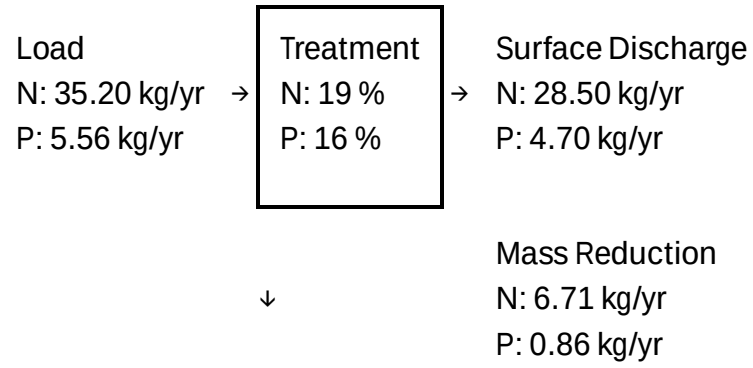
Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

Groundwater Discharge (Stand-Alone)

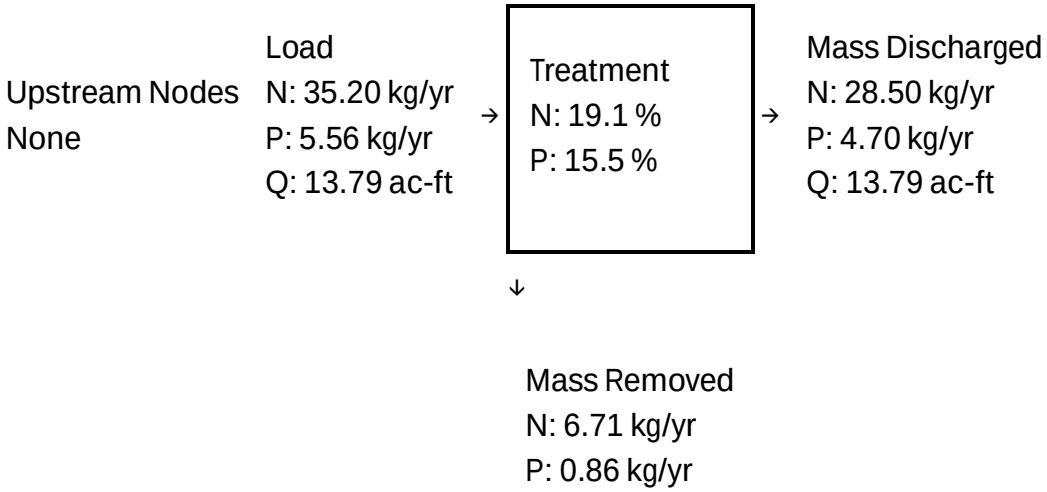
Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.000
TN Concentration (mg/L)	0.000

TP Mass Load (kg/yr)	0.000
TP Concentration (mg/L)	0.000

Load Diagram for User Defined BMP (stand-alone)



Load Diagram for User Defined BMP (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Outfall 15

Analysis Type: BMP Analysis

Date:10/27/2024

BMP Types:

Catchment 1 - (Outfall 15) User Defined BMP

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge

Total N post load	35.2 kg/yr	
Percent N load reduction	19 %	
Provided N discharge load	28.5 kg/yr	62.84 lb/yr
Provided N load removed	6.71 kg/yr	14.79 lb/yr

Phosphorus

Surface Water Discharge

Total P post load	5.561 kg/yr	
Percent P load reduction	16 %	
Provided P discharge load	4.699 kg/yr	10.36 lb/yr
Provided P load removed	.862 kg/yr	1.901 lb/yr

G-1 100-YR 24-HR Floodplain Map

G-2 25-YR 24-HR Floodplain Map

G-3 10-YR 24-HR Floodplain Map

G-4 5-YR 24-HR Floodplain Map

G-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

G-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix G – Home Park Rd Roadway Improvement

Legend

- Project Contributing Area
- Home Park Rd Floodplain
- 100-Year 24-Hour Floodplain
- Existing Floodplain
- 100-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

HOME PARK RD ROADWAY IMPROVEMENT

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

G-1

Legend

- Project Contributing Area
- Home Park Rd Floodplain
- 25-Year 24-Hour Floodplain
- Existing Floodplain
- 25-Year 24-Hour Floodplain

Maxar, Microsoft

HOME PARK RD ROADWAY IMPROVEMENT

25-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

G-2

Legend

- Project Contributing Area
- Home Park Rd Floodplain
- 10-Year 24-Hour Floodplain
- Existing Floodplain
- 10-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

HOME PARK RD ROADWAY IMPROVEMENT

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

G-3

Legend

- Project Contributing Area
- Home Park Rd Floodplain
- 5-Year 24-Hour Floodplain
- Existing Floodplain
- 5-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

HOME PARK RD ROADWAY IMPROVEMENT

5-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

G-4

Legend

- Project Contributing Area
- Home Park Rd Floodplain
- 2-Year 24-Hour Floodplain
- Existing Floodplain
- 2-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

HOME PARK RD ROADWAY IMPROVEMENT

2-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

G-5

NODE MAXIMUM STAGE COMPARISON

Roberts Bay - Home Park Rd Roadway Improvement

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
11126	11.06	11.06	0	11.06	11.06	0	11.06	11.06	0	11.06	11.06	0	11.06	11.06	0
11127	11.98	11.98	0	11.98	11.98	0	11.98	11.98	0	11.98	11.98	0	11.98	11.98	0
11128	1.98	1.98	0	1.98	1.98	0	1.98	1.98	0	1.98	1.98	0	1.98	1.98	0
11130	10.82	10.82	0	10.82	10.82	0	10.82	10.82	0	10.82	10.82	0	10.82	10.82	0
11130A	10.05	10.05	0	10.05	10.05	0	10.05	10.05	0	10.05	10.05	0	10.05	10.05	0
11133	9.76	9.76	0	9.76	9.76	0	9.76	9.76	0	9.76	9.76	0	9.76	9.76	0
11134	11.91	11.91	0	11.91	11.91	0	11.91	11.91	0	11.91	11.91	0	11.91	11.91	0
11135	11.1	11.1	0	11.1	11.1	0	11.1	11.1	0	11.1	11.1	0	11.1	11.1	0
111652	12.2	12.2	0	12.2	12.2	0	12.2	12.2	0	12.2	12.2	0	12.2	12.2	0
111653	12.32	12.32	0	12.32	12.32	0	12.32	12.32	0	12.32	12.32	0	12.32	12.32	0
11180	11.02	11.02	0	11.02	11.02	0	11.02	11.02	0	11.02	11.02	0	11.02	11.02	0
11181	13.34	13.34	0	13.34	13.34	0	13.34	13.34	0	13.34	13.34	0	13.34	13.34	0
11182	12.82	12.82	0	12.81	12.81	0	12.81	12.81	0	12.81	12.81	0	12.81	12.81	0
11183	12.82	12.82	0	12.82	12.82	0	12.82	12.82	0	12.82	12.82	0	12.82	12.82	0
11200	13.12	13.12	0	12.95	12.95	0	12.86	12.86	0	12.82	12.82	0	12.82	12.82	0
11200A	13.19	13.19	0	13.19	13.19	0	13.19	13.19	0	13.19	13.19	0	13.19	13.19	0
11201	1.42	1.42	0	1.42	1.42	0	1.42	1.42	0	1.42	1.42	0	1.42	1.42	0
11202	5.98	5.98	0	5.83	5.83	0	5.76	5.76	0	5.72	5.72	0	5.7	5.7	0
112021	7.61	7.61	0	7.53	7.53	0	7.5	7.5	0	7.21	7.21	0	6.94	6.94	0
112022	12.21	12.21	0	11.86	11.86	0	11.64	11.64	0	11.31	11.31	0	11.05	11.05	0
112023	9.54	9.54	0	9.26	9.26	0	9.08	9.08	0	8.82	8.82	0	8.61	8.61	0
112024	6.19	6.19	0	6.06	6.06	0	5.99	5.99	0	5.96	5.96	0	5.93	5.93	0
11203	9.55	9.55	0	9.33	9.33	0	9.18	9.18	0	8.98	8.98	0	8.85	8.85	0
112031	9.12	9.12	0	8.55	8.55	0	8.2	8.2	0	7.69	7.69	0	7.28	7.28	0
112032	9.56	9.56	0	9.33	9.33	0	9.18	9.18	0	8.99	8.99	0	8.85	8.85	0
11204	9.32	9.32	0	9.25	9.25	0	9.21	9.21	0	9.14	9.14	0	9.08	9.08	0
11206	10.65	10.65	0	10.55	10.55	0	10.48	10.48	0	10.35	10.35	0	10.23	10.23	0
11208	12.06	12.06	0	11.78	11.78	0	11.63	11.63	0	11.44	11.44	0	11.3	11.3	0
11210	12.32	12.32	0	11.95	11.95	0	11.76	11.76	0	11.52	11.52	0	11.34	11.34	0
112101	10.83	10.83	0	10.76	10.76	0	10.72	10.72	0	10.63	10.63	0	10.55	10.55	0
11210A	10.91	10.91	0	10.82	10.82	0	10.78	10.78	0	10.7	10.7	0	10.63	10.63	0
11212	12.43	12.43	0	12.24	12.24	0	12.15	12.15	0	12.01	12.01	0	11.9	11.9	0
11213	12.43	12.43	0	12.24	12.24	0	12.15	12.15	0	12.01	12.01	0	11.9	11.9	0
11213A	12.59	12.59	0	12.4	12.4	0	12.28	12.28	0	12.11	12.11	0	11.98	11.98	0
11213A1	12.59	12.59	0	12.41	12.41	0	12.28	12.28	0	12.11	12.11	0	11.98	11.98	0
11213B	9.14	9.14	0	8.56	8.56	0	8.21	8.21	0	7.69	7.69	0	7.28	7.28	0
11213B1	6.3	6.3	0	6.18	6.18	0	6.12	6.12	0	6.09	6.09	0	6.06	6.06	0
11214	6.39	6.39	0	6.27	6.27	0	6.21	6.21	0	6.18	6.18	0	6.15	6.15	0
112141	6.53	6.53	0	6.42	6.42	0	6.36	6.36	0	6.33	6.33	0	6.31	6.31	0
11215B	7.68	7.68	0	7.31	7.31	0	7.16	7.16	0	6.94	6.94	0	6.75	6.75	0
11215C	6.78	6.78	0	6.5	6.5	0	6.38	6.38	0	6.33	6.33	0	6.31	6.31	0

NODE MAXIMUM STAGE COMPARISON

Roberts Bay - Home Park Rd Roadway Improvement

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
11216	7.68	7.68	0	7.31	7.31	0	7.16	7.16	0	6.94	6.94	0	6.74	6.74	0
11216A	9.43	9.43	0	8.99	8.99	0	8.71	8.71	0	8.3	8.3	0	7.99	7.99	0
11216B	11.75	11.75	0	11.54	11.54	0	11.42	11.42	0	11.25	11.25	0	11.09	11.09	0
11216C	12.26	12.26	0	11.93	11.93	0	11.76	11.76	0	11.53	11.53	0	11.37	11.37	0
11216D	11.07	11.07	0	11.03	11.03	0	11.01	11.01	0	10.98	10.98	0	10.93	10.93	0
11216E	12.18	12.18	0	12.15	12.15	0	12.13	12.13	0	12.09	12.09	0	12.05	12.05	0
11216F	1.5	1.5	0	1.47	1.47	0	1.46	1.46	0	1.44	1.44	0	1.44	1.44	0
11216G	4.28	4.28	0	3.97	3.97	0	3.83	3.83	0	3.65	3.65	0	3.52	3.52	0
11216H	2.52	2.52	0	2.12	2.12	0	1.95	1.95	0	1.75	1.75	0	1.71	1.71	0
11218	1.86	1.86	0	1.69	1.69	0	1.63	1.63	0	1.55	1.55	0	1.53	1.53	0
112181	1.6	1.6	0	1.52	1.52	0	1.5	1.5	0	1.47	1.47	0	1.46	1.46	0
11220	4.76	4.76	0	4.51	4.51	0	4.37	4.37	0	4.13	4.13	0	3.9	3.9	0
11222	2.55	2.55	0	2.14	2.14	0	1.97	1.97	0	1.77	1.77	0	1.73	1.73	0
11224	11.97	11.97	0	11.85	11.85	0	11.78	11.78	0	11.66	11.66	0	11.55	11.55	0
11224A	2.56	2.56	0	2.15	2.15	0	1.97	1.97	0	1.77	1.77	0	1.73	1.73	0
11226	11.93	11.93	0	11.85	11.85	0	11.79	11.79	0	11.67	11.67	0	11.56	11.56	0
11228	2.69	2.69	0	2.26	2.26	0	2.07	2.07	0	1.84	1.84	0	1.81	1.81	0
112281	9.45	9.45	0	9.2	9.2	0	8.98	8.98	0	8.63	8.63	0	8.28	8.28	0
11240	11.92	11.92	0	11.85	11.85	0	11.79	11.79	0	11.68	11.68	0	11.57	11.57	0
11240A	2.86	2.86	0	2.7	2.7	0	2.56	2.56	0	2.03	2.03	0	1.81	1.81	0
11241	3.25	3.25	0	3.18	3.18	0	3.13	3.13	0	3.02	3.02	0	2.91	2.91	0
11242	2.94	2.94	0	2.66	2.66	0	2.65	2.65	0	2.63	2.63	0	2.57	2.57	0
11243	5.26	5.26	0	5.14	5.14	0	5.07	5.07	0	4.93	4.93	0	4.48	4.48	0
11245	11.45	11.45	0	11.4	11.4	0	11.37	11.37	0	11.32	11.32	0	11.25	11.25	0
11300	8.96	8.96	0	8.65	8.65	0	8.27	8.27	0	7.56	7.56	0	7.1	7.1	0
11310	3.8	3.8	0	3.71	3.71	0	3.65	3.65	0	3.5	3.5	0	3.14	3.14	0
113101	11.69	11.69	0	11.33	11.33	0	11.13	11.13	0	10.84	10.84	0	10.65	10.65	0
11320	11.86	11.86	0	11.58	11.58	0	11.43	11.43	0	11.12	11.12	0	10.84	10.84	0
11320A	11.2	11.2	0	11.17	11.17	0	11.16	11.16	0	11.12	11.12	0	11.07	11.07	0
11320C	11.66	11.66	0	11.57	11.57	0	11.48	11.48	0	11.22	11.22	0	10.92	10.92	0
11321	11.23	11.23	0	11.18	11.18	0	11.15	11.15	0	11.09	11.09	0	10.93	10.93	0
11321A	6.6	6.6	0	6.49	6.49	0	6.44	6.44	0	6.41	6.41	0	6.38	6.38	0
11322	9.03	9.03	0	8.76	8.76	0	8.58	8.58	0	8.38	8.38	0	8.18	8.18	0
11322A	9.26	9.26	0	8.92	8.92	0	8.77	8.77	0	8.51	8.51	0	8.15	8.15	0
11323	10.43	10.43	0	10.32	10.32	0	10.21	10.21	0	9.88	9.88	0	9.51	9.51	0
11330	9.44	9.44	0	9.17	9.17	0	9.02	9.02	0	8.86	8.86	0	8.68	8.68	0
11340A	10.15	10.15	0	10.03	10.03	0	9.97	9.97	0	9.84	9.84	0	9.62	9.62	0
11350A	10.45	10.45	0	10.33	10.33	0	10.23	10.23	0	9.96	9.96	0	9.65	9.65	0
11360	10.45	10.45	0	10.32	10.32	0	10.22	10.22	0	9.92	9.92	0	9.59	9.59	0
11980	11.89	11.89	0	11.78	11.78	0	11.61	11.61	0	11.19	11.19	0	10.63	10.63	0
11981	9.66	9.66	0	9.51	9.51	0	9.4	9.4	0	9.21	9.21	0	9.11	9.11	0

NODE MAXIMUM STAGE COMPARISON

Roberts Bay - Home Park Rd Roadway Improvement

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
11982	10.39	10.39	0	10.24	10.24	0	10.12	10.12	0	9.87	9.87	0	9.61	9.61	0
11983	12.05	12.05	0	11.91	11.91	0	11.69	11.69	0	11.2	11.2	0	10.66	10.66	0
11983A	9.67	9.67	0	9.53	9.53	0	9.49	9.49	0	9.45	9.45	0	9.4	9.4	0
11984	12.77	12.77	0	12.36	12.36	0	11.86	11.86	0	11.2	11.2	0	10.66	10.66	0
11985	12.78	12.78	0	12.48	12.48	0	12.42	12.42	0	12.29	12.29	0	12.1	12.1	0
11985S	12.78	12.78	0	12.48	12.48	0	12.42	12.42	0	12.29	12.29	0	12.1	12.1	0
11986	9.88	9.88	0	9.77	9.77	0	9.72	9.72	0	9.62	9.62	0	9.56	9.56	0
RB1011	12.82	12.82	0	12.51	12.51	0	12.43	12.43	0	12.29	12.29	0	12.1	12.1	0
RB1012	7.43	7.43	0	7.38	7.38	0	7.35	7.35	0	7.33	7.33	0	7.31	7.31	0
RB1015	8.14	8.14	0	7.38	7.38	0	7.35	7.35	0	7.33	7.33	0	7.31	7.31	0
RB1016	9.15	9.15	0	8.63	8.63	0	8.36	8.36	0	7.99	7.99	0	7.71	7.71	0
RB1023	7.13	7.13	0	7.07	7.07	0	7.04	7.04	0	7.01	7.01	0	6.99	6.99	0
RB1026	9.55	9.55	0	9.27	9.27	0	9.14	9.14	0	8.97	8.97	0	8.79	8.79	0
RB1030	7.33	7.33	0	7.28	7.28	0	7.25	7.25	0	7.23	7.23	0	7.21	7.21	0
RB1031	9.9	9.9	0	9.78	9.78	0	9.72	9.72	0	9.64	9.64	0	9.49	9.49	0
RB1037	11.51	11.51	0	11.37	11.37	0	11.3	11.3	0	11.22	11.22	0	11.14	11.14	0
RB1040	10.19	10.19	0	10.07	10.07	0	10	10	0	9.88	9.88	0	9.67	9.67	0
RB1159	13.17	13.17	0	12.96	12.96	0	12.85	12.85	0	12.68	12.68	0	12.54	12.54	0
RB1160	10.78	10.78	0	9.81	9.81	0	9.07	9.07	0	8.07	8.07	0	7.85	7.85	0
RB1162	10.39	10.39	0	10.27	10.27	0	10.2	10.2	0	10.05	10.05	0	9.8	9.8	0
RB1163	10.83	10.83	0	9.94	9.94	0	9.83	9.83	0	9.68	9.68	0	9.55	9.55	0
RB1174	11.73	11.73	0	11.46	11.46	0	11.12	11.12	0	10.94	10.94	0	10.78	10.78	0
111802	11.73	11.73	0	11.56	11.56	0	11.32	11.32	0	10.73	10.73	0	10.28	10.28	0
RB1178	11.79	11.79	0	11.59	11.59	0	11.31	11.31	0	10.69	10.69	0	10.24	10.24	0
RB1181	11.22	11.22	0	10.57	10.57	0	10.03	10.03	0	9.42	9.42	0	9.2	9.2	0
RB1182	10.93	10.93	0	10.06	10.06	0	9.4	9.4	0	8.72	8.72	0	8.61	8.61	0
RB1275	12.57	12.57	0	12.2	12.2	0	12.02	12.02	0	11.79	11.79	0	11.61	11.61	0
RB1394	12.14	12.14	0	11.99	11.99	0	11.89	11.89	0	11.74	11.74	0	11.61	11.61	0
RB1403	11.81	11.81	0	11.67	11.67	0	11.41	11.41	0	10.74	10.74	0	10.28	10.28	0
RB1420	11.8	11.8	0	11.63	11.63	0	11.36	11.36	0	10.72	10.72	0	10.26	10.26	0
RB1512	11.73	11.73	0	11.56	11.56	0	11.32	11.32	0	10.79	10.79	0	10.78	10.78	0
RB1599	11.13	11.13	0	11.03	11.03	0	10.96	10.96	0	10.77	10.77	0	10.61	10.61	0
111271	12.56	12.56	0	12.19	12.19	0	12.01	12.01	0	11.78	11.78	0	11.6	11.6	0
111281	11.78	11.78	0	11.66	11.66	0	11.41	11.41	0	10.74	10.74	0	10.29	10.29	0
111801	11.76	11.76	0	11.53	11.53	0	11.24	11.24	0	10.65	10.65	0	10.2	10.2	0
RB10121	11.49	11.49	0	11.05	11.05	0	10.63	10.63	0	10.03	10.03	0	9.7	9.7	0
119801MH	11.47	11.47	0	11.2	11.2	0	10.98	10.98	0	10.55	10.55	0	10.25	10.25	0
11980MH	11.44	11.44	0	11.17	11.17	0	10.95	10.95	0	10.54	10.54	0	10.22	10.22	0
119801	11.47	11.47	0	11.2	11.2	0	10.98	10.98	0	10.55	10.55	0	10.25	10.25	0
112221	11.56	11.56	0	11.27	11.27	0	11.05	11.05	0	10.67	10.67	0	10.34	10.34	0
112222	11.52	11.52	0	11.26	11.26	0	11.05	11.05	0	10.68	10.68	0	10.37	10.37	0

NODE MAXIMUM STAGE COMPARISON

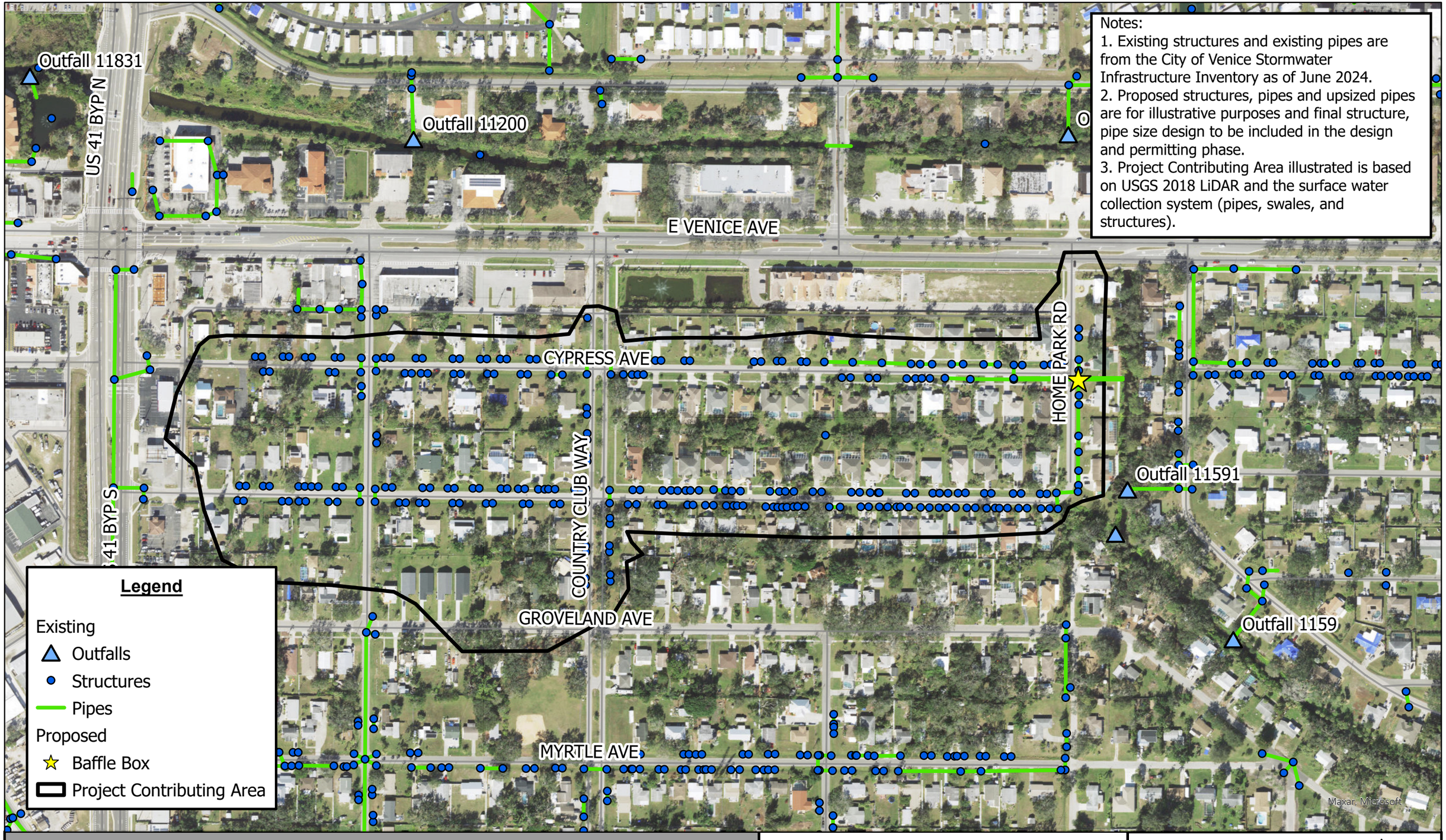
Roberts Bay - Home Park Rd Roadway Improvement

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
112223	11.48	11.48	0	11.24	11.24	0	11.05	11.05	0	10.69	10.69	0	10.41	10.41	0
11130A1	11.48	11.48	0	11.24	11.24	0	11.05	11.05	0	10.69	10.69	0	10.43	10.43	0
RB10241	11.48	11.48	0	11.19	11.19	0	10.94	10.94	0	10.77	10.77	0	10.73	10.73	0
RB10231	11.38	11.38	0	11.15	11.15	0	10.93	10.93	0	10.77	10.77	0	10.74	10.74	0
112224	5.46	5.46	0	4.72	4.72	0	4.59	4.59	0	4.38	4.38	0	4.23	4.23	0
1122231	7.58	7.58	0	7.35	7.35	0	7.14	7.14	0	6.86	6.86	0	6.7	6.7	0
112223MH	5.06	5.06	0	2.67	2.67	0	2.42	2.42	0	2.08	2.08	0	1.98	1.98	0
1122231MH	6.53	6.53	0	6.51	6.51	0	6.48	6.48	0	6.45	6.45	0	6.43	6.43	0
112222MH	8.01	8.01	0	7.54	7.54	0	7.28	7.28	0	6.94	6.94	0	6.76	6.76	0
1120311	2.94	2.94	0	2.46	2.46	0	2.24	2.24	0	1.97	1.97	0	1.95	1.95	0
RB11811	8.71	8.71	0	7.91	7.91	0	7.55	7.55	0	7.12	7.12	0	6.9	6.9	0
112023DN	3.27	3.27	0	2.63	2.63	0	2.34	2.34	0	2.08	2.08	0	1.98	1.98	0
11213DN	2.99	2.99	0	2.5	2.5	0	2.27	2.27	0	1.99	1.99	0	1.98	1.98	0
RB11821	3.29	3.29	0	2.75	2.75	0	2.48	2.48	0	2.25	2.25	0	1.99	1.99	0
RB12831	3.28	3.28	0	2.73	2.73	0	2.54	2.54	0	2.51	2.51	0	2.48	2.48	0
1116512	3.29	3.29	0	2.75	2.75	0	2.48	2.48	0	2.25	2.25	0	1.99	1.99	0
111821	3.29	3.29	0	2.87	2.87	0	2.73	2.73	0	2.39	2.39	0	2.06	2.06	0
111831	3.27	3.27	0	2.94	2.94	0	2.81	2.81	0	2.63	2.63	0	2.57	2.57	0
111832	3.29	3.29	0	2.94	2.94	0	2.78	2.78	0	2.41	2.41	0	2.06	2.06	0
1116519	3.27	3.27	0	2.95	2.95	0	2.88	2.88	0	2.83	2.83	0	2.79	2.79	0
112033	3.3	3.3	0	2.96	2.96	0	2.79	2.79	0	2.42	2.42	0	2.06	2.06	0
RB11821Z	6.45	6.45	0	6.42	6.42	0	6.41	6.41	0	6.39	6.39	0	6.37	6.37	0
1116531	2.92	2.92	0	2.47	2.47	0	2.24	2.24	0	1.97	1.97	0	1.95	1.95	0
11213AM	3.24	3.24	0	2.47	2.47	0	2.24	2.24	0	1.97	1.97	0	1.95	1.95	0
11200AM	3.27	3.27	0	2.47	2.47	0	2.24	2.24	0	1.97	1.97	0	1.95	1.95	0
11320M	9.79	9.79	0	8.56	8.56	0	8.23	8.23	0	7.86	7.86	0	7.66	7.66	0
11310M	10.27	10.27	0	9.94	9.94	0	9.83	9.83	0	9.64	9.64	0	9.43	9.43	0
11200J	5	5	0	4.81	4.81	0	4.69	4.69	0	4.48	4.48	0	4.24	4.24	0
RB1174J	10.38	10.38	0	10.37	10.37	0	10.36	10.36	0	10.35	10.35	0	10.33	10.33	0
11134M	5.53	5.53	0	5.32	5.32	0	5.18	5.18	0	4.93	4.93	0	4.67	4.67	0
11134N	10.34	10.34	0	10.31	10.31	0	10.29	10.29	0	10.26	10.26	0	10.23	10.23	0
11130M	5.86	5.86	0	5.66	5.66	0	5.55	5.55	0	5.35	5.35	0	5.15	5.15	0
11130AM	10.61	10.61	0	10.59	10.59	0	10.57	10.57	0	10.55	10.55	0	10.53	10.53	0
RB1394M	6.14	6.14	0	5.94	5.94	0	5.83	5.83	0	5.62	5.62	0	5.4	5.4	0
RB1162N	10.59	10.59	0	10.56	10.56	0	10.54	10.54	0	10.5	10.5	0	10.46	10.46	0
112281N	6.94	6.94	0	6.85	6.85	0	6.79	6.79	0	6.7	6.7	0	6.62	6.62	0
112281S	11.19	11.19	0	11.17	11.17	0	11.16	11.16	0	11.14	11.14	0	11.12	11.12	0
RB1159N	10.25	10.25	0	10.23	10.23	0	10.21	10.21	0	10.18	10.18	0	10.16	10.16	0
RB1182E	12.61	12.61	0	12.36	12.36	0	12.12	12.12	0	11.5	11.5	0	11.02	11.02	0
1122231S	3.29	3.29	0	2.76	2.76	0	2.6	2.6	0	2.31	2.31	0	2.03	2.03	0
RB1162NS	3.45	3.45	0	3.24	3.24	0	2.96	2.96	0	2.51	2.51	0	2.33	2.33	0

NODE MAXIMUM STAGE COMPARISON

Roberts Bay - Home Park Rd Roadway Improvement

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1163S	3.28	3.28	0	2.75	2.75	0	2.48	2.48	0	2.2	2.2	0	2.18	2.18	0
RB1162NE	10.17	10.17	0	10.07	10.07	0	9.86	9.86	0	9.44	9.44	0	9.19	9.19	0
2314	7.31	7.31	0	7.17	7.17	0	7.11	7.11	0	7.04	7.04	0	6.99	6.99	0
111833	4.75	4.75	0	4.67	4.67	0	4.63	4.63	0	4.56	4.56	0	4.34	4.34	0
111275	3.4	3.4	0	2.92	2.92	0	2.7	2.7	0	2.53	2.53	0	2.52	2.52	0
11179	3.29	3.29	0	2.77	2.77	0	2.5	2.5	0	2.2	2.2	0	2.19	2.19	0
111811	3.89	3.89	0	3.77	3.77	0	3.69	3.69	0	3.51	3.51	0	3.41	3.41	0
111824	4.13	4.13	0	3.96	3.96	0	3.9	3.9	0	3.74	3.74	0	3.54	3.54	0
111823	5.52	5.52	0	5.46	5.46	0	5.43	5.43	0	5.36	5.36	0	5.26	5.26	0
111822	5.91	5.91	0	5.84	5.84	0	5.81	5.81	0	5.75	5.75	0	5.63	5.63	0
11200B	4.28	4.28	0	4.25	4.25	0	4.23	4.23	0	4.19	4.19	0	4.15	4.15	0



HOME PARK RD ROADWAY IMPROVEMENT

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 300 600 Feet

N

Kimley»Horn

G-6

Complete Report (not including cost) Ver 4.3.5

Project: Home Park Rd Improvements
Date: 10/27/2024 3:07:43 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Home Park Rd
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	38.74
Rational Coefficient (0-1)	0.22
Non DCIA Curve Number	87.00
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	36.193
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	92.377
Phosphorus Loading (kg/yr)	14.593

Post-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	38.74
Rational Coefficient (0-1)	0.22
Non DCIA Curve Number	87.00
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	36.193
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	92.377
Phosphorus Loading (kg/yr)	14.593

Catchment Number: 1 Name: Home Park Rd

Project: Home Park Rd Improvements
Date: 10/27/2024

User Defined BMP Design

Contributing Catchment Area (acres)	38.740
Provided Nitrogen Treatment Efficiency (%)	19
Provided Phosphorus Treatment Efficiency (%)	16

Watershed Characteristics

Catchment Area (acres)	38.74
Contributing Area (acres)	38.740
Non-DCIA Curve Number	87.00
DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	19
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	16

Media Mix Information

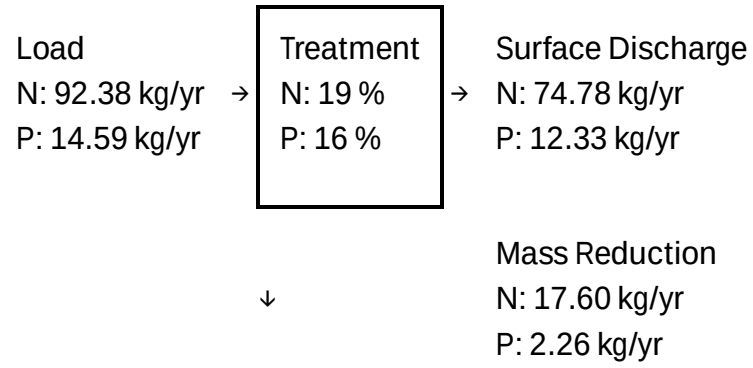
Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

Groundwater Discharge (Stand-Alone)

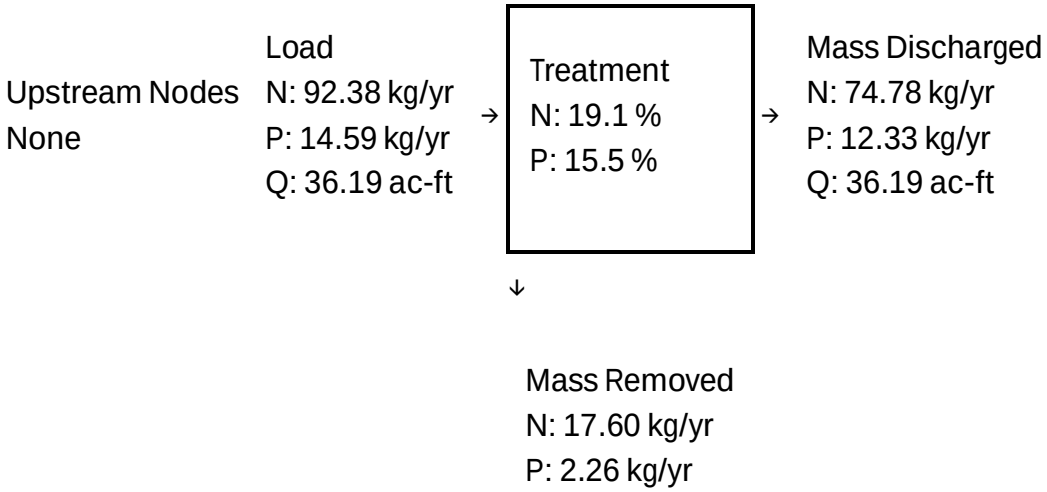
Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.000
TN Concentration (mg/L)	0.000

TP Mass Load (kg/yr)	0.000
TP Concentration (mg/L)	0.000

Load Diagram for User Defined BMP (stand-alone)



Load Diagram for User Defined BMP (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Home Park Rd Improvements

Date:10/27/2024

Analysis Type: BMP Analysis

BMP Types:

Catchment 1 - (Home Park Rd)

User Defined BMP

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge

Total N post load	92.38 kg/yr	
Percent N load reduction	19 %	
Provided N discharge load	74.78 kg/yr	164.89 lb/yr
Provided N load removed	17.6 kg/yr	38.8 lb/yr

Phosphorus

Surface Water Discharge

Total P post load	14.593 kg/yr	
Percent P load reduction	16 %	
Provided P discharge load	12.331 kg/yr	27.19 lb/yr
Provided P load removed	2.262 kg/yr	4.987 lb/yr

H-1 100-YR 24-HR Floodplain Map

H-2 25-YR 24-HR Floodplain Map

H-3 10-YR 24-HR Floodplain Map

H-4 5-YR 24-HR Floodplain Map

H-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

H-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix H – Venezia Park Water Quality Project

14
17
18
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5
8

Legend

Project Contributing Area
Treatment Basins
Venezia Park Floodplain
100-Year 24-Hour Floodplain
Existing Floodplain
100-Year 24-Hour Floodplain

Maxar

VENEZIA PARK WATER QUALITY PROJECT

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

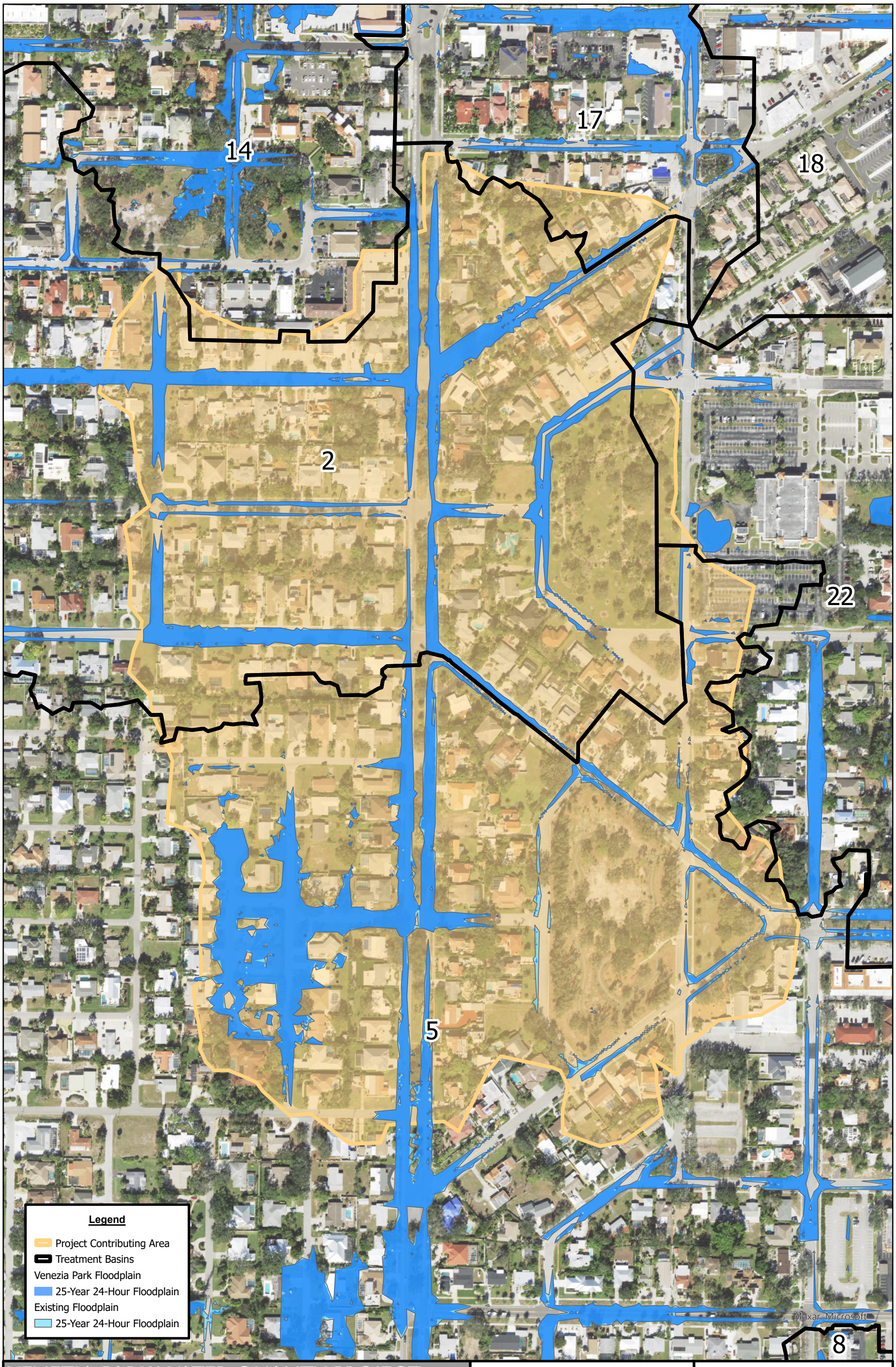
JANUARY 2025

0 150 300 Feet

N

Kimley»Horn

H-1



VENEZIA PARK WATER QUALITY PROJECT

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

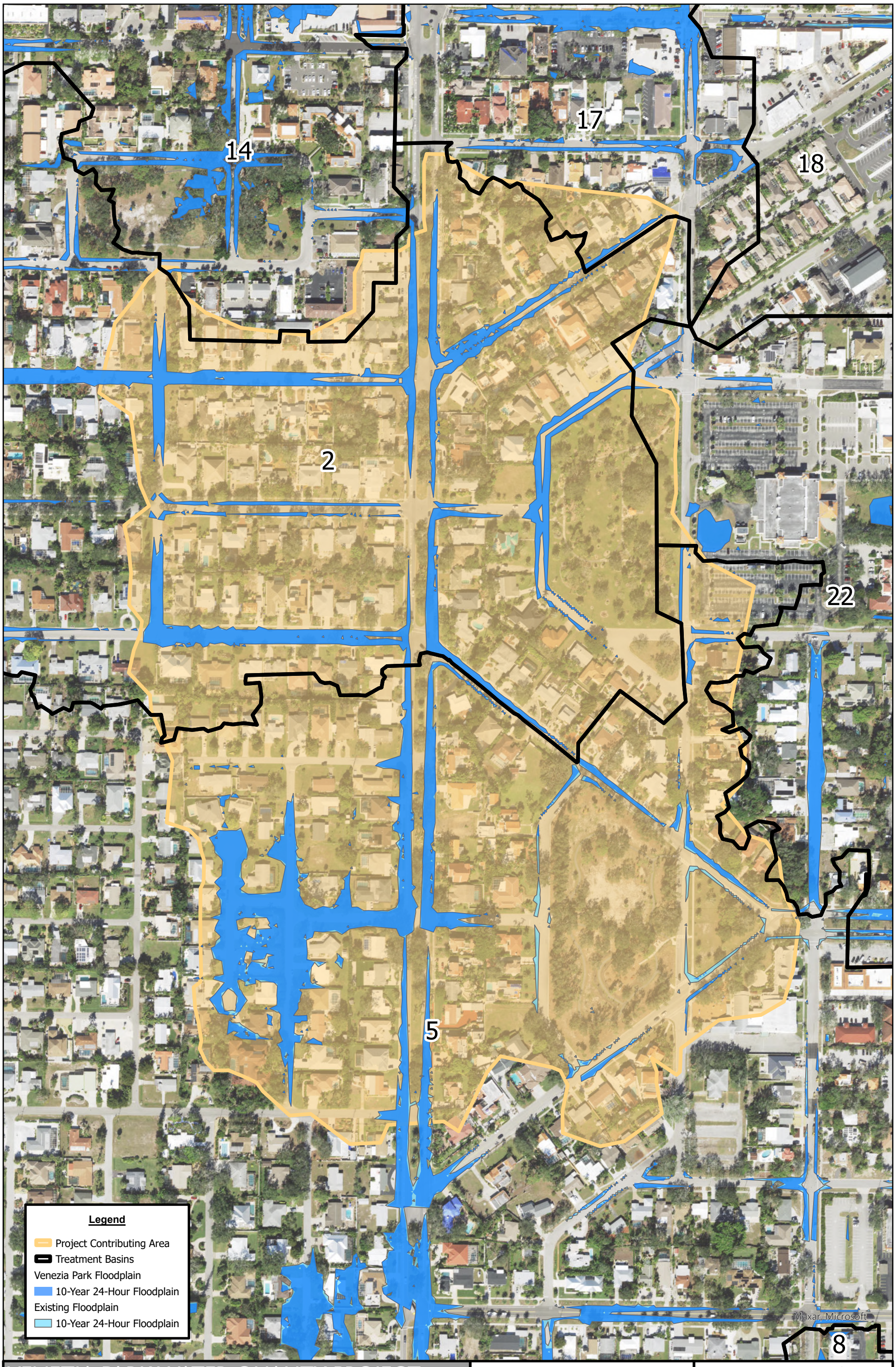
JANUARY 2025

0 150 300 Feet

N

Kimley»Horn

H-2



VENEZIA PARK WATER QUALITY PROJECT

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 150 300 Feet

N

Kimley»Horn

H-3

14
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Legend

- Project Contributing Area
- Treatment Basins

Venezia Park Floodplain

- 5-Year 24-Hour Floodplain

Existing Floodplain

- 5-Year 24-Hour Floodplain

VENEZIA PARK WATER QUALITY PROJECT

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

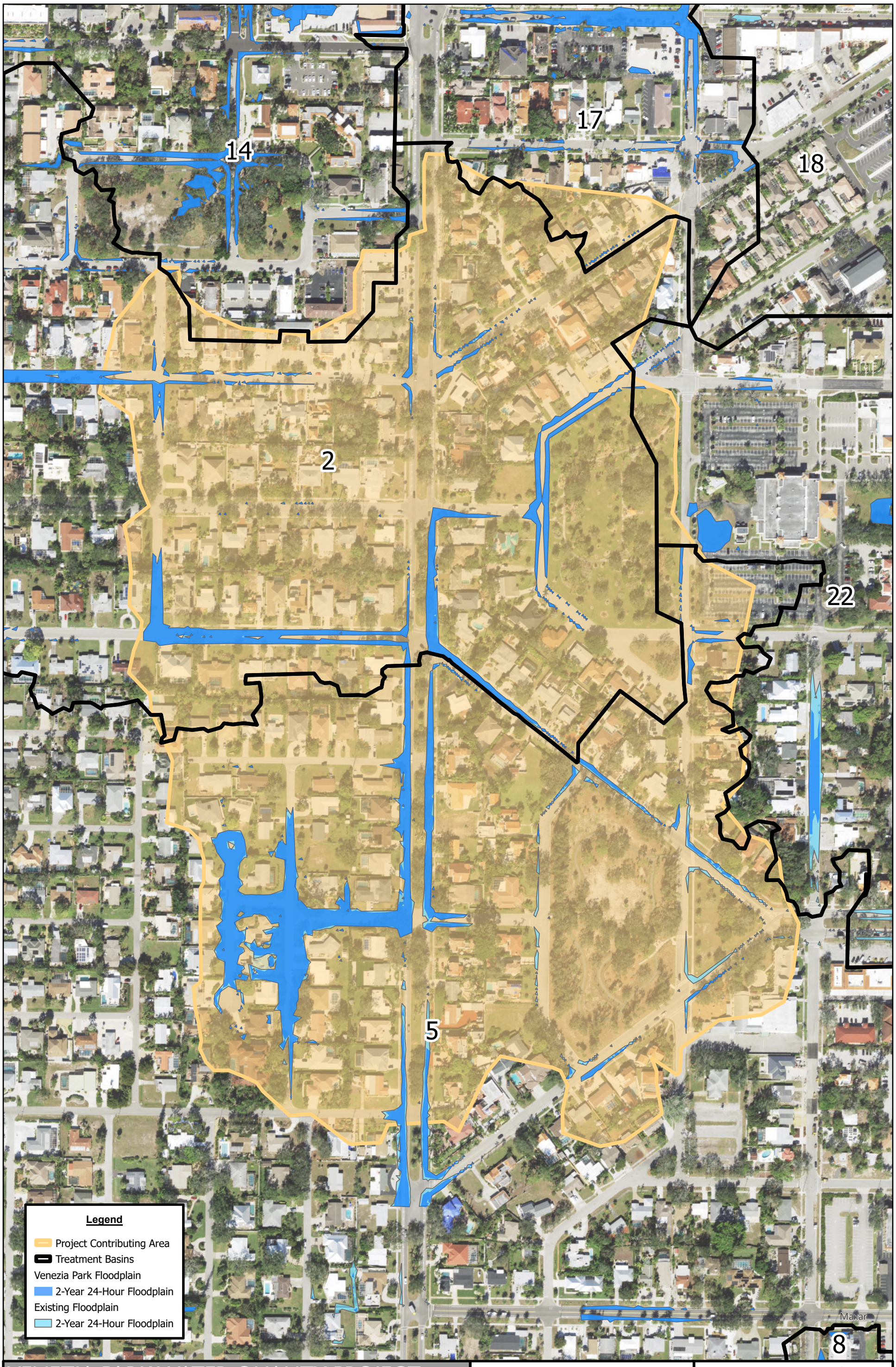
CITY OF VENICE
JANUARY 2025

0 150 300 Feet

N

Kimley»Horn

H-4



VENEZIA PARK WATER QUALITY PROJECT

2-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 150 300 Feet

N

Kimley»Horn

H-5

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	0.00	8.02	8.02	0.00	7.32	7.31	-0.01	6.41	6.40	-0.01	5.51	5.50	-0.01
00100A	9.79	9.78	0.00	9.57	9.57	0.00	9.36	9.36	0.00	8.89	8.88	-0.01	7.70	7.69	-0.01
00100B	9.83	9.83	0.00	9.60	9.60	0.00	9.38	9.37	-0.01	8.92	8.91	-0.01	7.90	7.88	-0.02
00100C	9.88	9.88	0.00	9.63	9.63	0.00	9.40	9.39	0.00	8.93	8.92	-0.01	7.99	7.97	-0.02
00200	9.91	9.91	0.00	9.65	9.65	0.00	9.41	9.40	0.00	8.94	8.93	-0.01	8.08	8.05	-0.03
00200A	6.29	6.28	0.00	6.19	6.19	0.00	6.10	6.10	0.00	5.96	5.96	0.00	5.80	5.80	0.00
00204	10.41	10.40	0.00	10.09	10.09	0.00	9.84	9.84	0.00	9.64	9.64	0.00	9.32	9.32	-0.01
00210	10.67	10.67	0.00	10.40	10.40	0.00	10.19	10.19	0.00	10.02	10.02	0.00	9.74	9.73	-0.01
00212	11.81	11.81	0.00	11.55	11.54	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.95	-0.01
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.74	0.00	11.53	11.53	0.00	11.37	11.36	0.00	11.13	11.13	-0.01
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.70	0.00	11.54	11.54	0.00	11.33	11.32	-0.01
00220	12.44	12.44	0.00	12.14	12.13	0.00	11.92	11.91	0.00	11.76	11.75	0.00	11.56	11.55	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.85	-0.01
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.52	0.00
00234	12.90	12.90	0.00	12.78	12.77	0.00	12.70	12.69	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.37	0.00	13.18	13.17	0.00	13.03	13.02	-0.01	12.81	12.80	-0.01
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.53	0.00
00242	13.79	13.78	0.00	13.56	13.55	0.00	13.36	13.36	-0.01	13.22	13.21	-0.01	12.99	12.98	-0.01
00250	14.06	14.06	0.00	13.88	13.87	0.00	13.70	13.69	-0.01	13.57	13.56	-0.01	13.33	13.31	-0.02
00251	13.77	13.77	-0.01	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.58	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.68	-0.08	2.92	2.85	-0.07	2.45	2.40	-0.05	2.19	2.16	-0.04	1.94	1.91	-0.03
00501	3.83	3.75	-0.08	2.98	2.91	-0.07	2.50	2.45	-0.05	2.24	2.20	-0.04	1.97	1.94	-0.03
00502	4.34	4.24	-0.10	3.43	3.34	-0.09	2.93	2.86	-0.07	2.64	2.58	-0.06	2.31	2.27	-0.04
00510	5.37	5.34	-0.03	5.04	4.98	-0.06	4.58	4.40	-0.18	4.04	3.86	-0.18	3.34	3.21	-0.12
00511	10.01	10.00	-0.02	9.70	9.67	-0.03	8.80	8.79	-0.01	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	6.98	-0.05	6.62	6.52	-0.10	6.00	5.68	-0.31	5.05	4.74	-0.31	3.88	3.72	-0.15
00516	7.84	7.76	-0.08	7.23	7.10	-0.13	6.56	6.28	-0.28	5.72	5.41	-0.30	4.58	4.40	-0.19
00520	10.02	9.98	-0.04	9.78	9.73	-0.05	9.55	9.46	-0.09	9.28	9.09	-0.19	7.71	7.28	-0.43
00521	10.64	10.61	-0.04	10.43	10.39	-0.04	10.29	10.25	-0.04	10.19	10.13	-0.06	9.75	9.37	-0.38
00522	11.64	11.59	-0.05	11.32	11.25	-0.07	11.07	11.00	-0.07	10.91	10.83	-0.07	10.38	9.91	-0.47
00530	12.58	12.56	-0.02	12.38	12.34	-0.04	12.17	12.10	-0.07	11.93	11.84	-0.09	11.20	10.63	-0.56
00530x	12.17	12.15	-0.03	11.99	11.94	-0.04	11.82	11.76	-0.06	11.66	11.58	-0.08	11.05	10.49	-0.56

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.77	-0.04	12.64	12.59	-0.05	12.53	12.48	-0.06	12.45	12.39	-0.06	12.32	12.23	-0.09
00532	13.59	13.56	-0.03	13.44	13.41	-0.03	13.35	13.31	-0.04	13.27	13.23	-0.04	13.17	13.12	-0.05
00533	13.60	13.57	-0.02	13.45	13.42	-0.03	13.36	13.32	-0.04	13.28	13.24	-0.04	13.17	13.13	-0.05
00537	13.67	13.81	0.14	13.53	13.57	0.04	13.44	13.42	-0.03	13.37	13.31	-0.06	13.27	13.19	-0.08
00538	14.51	14.48	-0.03	14.45	14.40	-0.05	14.41	14.34	-0.07	14.38	14.29	-0.09	14.34	14.23	-0.11
00539	14.59	14.58	-0.02	14.54	14.50	-0.03	14.49	14.45	-0.04	14.46	14.40	-0.06	14.42	14.33	-0.09
00540	14.08	13.99	-0.09	14.01	13.88	-0.13	13.97	13.83	-0.13	13.93	13.79	-0.14	13.90	13.74	-0.15
00541A	14.19	14.09	-0.10	14.12	14.01	-0.11	14.08	13.96	-0.11	14.05	13.94	-0.11	13.99	13.90	-0.09
00541Y	14.45	14.37	-0.08	14.39	14.11	-0.28	14.35	13.81	-0.54	14.32	13.64	-0.68	14.25	13.34	-0.91
00542	14.77	14.74	-0.04	14.72	14.64	-0.09	14.69	14.31	-0.38	14.67	13.90	-0.77	14.63	13.52	-1.11
00543	14.94	14.93	-0.02	14.89	14.85	-0.04	14.85	14.79	-0.06	14.81	14.73	-0.08	14.77	14.66	-0.11
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.53	0.00
00545	15.14	15.09	-0.05	15.06	14.95	-0.11	15.00	14.79	-0.21	14.95	14.58	-0.37	14.84	14.28	-0.56
00546	13.77	13.76	-0.01	13.63	13.62	-0.02	13.55	13.53	-0.02	13.49	13.47	-0.03	13.42	13.39	-0.03
00547	13.78	13.77	-0.01	13.65	13.63	-0.02	13.57	13.54	-0.02	13.50	13.48	-0.03	13.43	13.40	-0.03
00548	14.54	14.50	-0.04	14.50	14.46	-0.05	14.48	14.44	-0.05	14.47	14.43	-0.04	14.45	14.42	-0.03
00560	13.71	13.69	-0.02	13.45	13.42	-0.04	13.13	13.04	-0.09	12.68	12.59	-0.09	11.61	11.05	-0.56
00561	13.72	13.71	-0.02	13.47	13.43	-0.04	13.15	13.07	-0.08	12.79	12.76	-0.02	12.64	12.61	-0.03
00562	13.96	13.94	-0.02	13.76	13.73	-0.03	13.57	13.54	-0.03	13.43	13.42	-0.01	13.36	13.36	0.00
00563	14.16	14.15	-0.01	14.07	14.06	-0.01	13.96	13.94	-0.02	13.85	13.83	-0.02	12.47	11.89	-0.58
00564	15.20	15.20	0.00	14.99	14.98	-0.01	14.66	14.64	-0.02	14.31	14.27	-0.04	12.68	12.16	-0.52
00565	16.01	16.01	0.00	15.44	15.42	-0.01	15.09	15.07	-0.02	14.68	14.63	-0.04	12.87	12.33	-0.54
00571	14.16	14.15	-0.01	13.90	13.86	-0.04	13.54	13.46	-0.08	13.09	13.00	-0.09	11.85	11.29	-0.56
00572	14.38	14.37	-0.01	14.20	14.18	-0.03	13.99	13.94	-0.05	13.60	13.50	-0.10	12.16	11.59	-0.56
00574	14.83	14.81	-0.02	14.66	14.63	-0.03	14.48	14.42	-0.06	14.11	14.00	-0.11	12.46	11.89	-0.57
005741	14.82	14.81	-0.02	14.65	14.62	-0.03	14.47	14.42	-0.06	14.11	13.99	-0.11	12.46	11.89	-0.57
00574F	14.90	14.88	-0.02	14.72	14.68	-0.03	14.54	14.49	-0.05	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.88	-0.02	14.71	14.68	-0.03	14.54	14.49	-0.05	14.27	14.20	-0.08	12.68	12.12	-0.57
00575B	14.89	14.88	-0.02	14.71	14.68	-0.03	14.54	14.49	-0.05	14.27	14.19	-0.08	13.99	13.99	0.00
00576	15.83	15.83	-0.01	15.44	15.42	-0.02	15.10	15.08	-0.03	14.71	14.66	-0.05	12.91	12.36	-0.55
00577	15.90	15.89	-0.01	15.51	15.49	-0.01	15.19	15.17	-0.02	14.81	14.77	-0.04	12.97	12.41	-0.55
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	-0.01	15.46	15.45	-0.01	15.09	15.05	-0.04	13.10	12.56	-0.55
00582	16.54	16.54	0.00	16.25	16.25	-0.01	15.74	15.73	-0.01	15.25	15.21	-0.04	13.16	12.83	-0.33
00583	16.69	16.69	0.00	16.35	16.34	0.00	15.79	15.78	-0.01	15.28	15.24	-0.04	13.17	12.89	-0.28
00584	16.18	16.17	0.00	15.79	15.79	0.00	15.59	15.59	-0.01	15.29	15.26	-0.03	13.22	12.68	-0.54
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.66	0.00	15.43	15.41	-0.03	13.31	12.78	-0.53
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.60	-0.01	13.44	12.92	-0.52
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.32	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.87	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.35	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.17	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.76	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.00	0.00	8.53	8.53	0.00	7.97	7.97	0.00	7.30	7.30	0.00	6.71	6.71	0.00
01005	9.04	9.04	0.00	8.58	8.58	0.00	8.02	8.02	0.00	7.37	7.37	0.00	6.82	6.82	0.00
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.72	0.00	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.00	0.00	8.53	8.53	0.00	7.98	7.98	0.00	7.38	7.38	0.00	6.84	6.84	0.00
01100F	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	8.99	0.00	8.51	8.51	0.00	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.72	0.00	8.46	8.46	0.00	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.99	0.00	8.53	8.53	0.00	7.99	7.99	0.00	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.40	7.40	0.00	6.90	6.90	0.00
01200	3.13	3.13	0.00	2.56	2.56	0.00	2.45	2.45	0.00	2.35	2.35	0.00	2.02	2.02	0.00
01201	3.38	3.37	0.00	3.10	3.10	0.00	2.94	2.94	0.00	2.84	2.84	0.00	2.34	2.34	0.00
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.41	0.00	2.09	2.09	0.00	1.90	1.90	0.00	1.81	1.81	0.00	1.72	1.72	0.00
01203	4.26	4.26	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.27	3.27	0.00
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.62	0.00	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.25	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.26	3.26	0.00
01222	5.94	5.94	0.00	5.23	5.22	-0.01	4.16	4.16	0.00	3.97	3.97	0.00	3.56	3.56	0.00
01223	5.94	5.94	0.00	5.23	5.22	-0.01	4.17	4.17	0.00	3.98	3.98	0.00	3.61	3.61	0.00
01224	5.94	5.94	0.00	5.23	5.23	-0.01	4.20	4.20	0.00	4.02	4.02	0.00	3.69	3.69	0.00
01225	6.10	6.09	0.00	5.36	5.35	-0.01	4.59	4.59	0.00	4.35	4.35	0.00	3.89	3.89	0.00
01226	6.84	6.84	0.00	6.04	6.04	0.00	5.31	5.31	0.00	4.99	4.99	0.00	4.27	4.26	0.00
01227	7.34	7.34	0.00	6.52	6.52	0.00	5.79	5.79	0.00	5.43	5.43	0.00	4.52	4.52	0.00
01228	7.83	7.83	0.00	7.02	7.01	-0.01	6.21	6.21	0.00	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.99	0.00	7.89	7.89	0.00	7.01	6.99	-0.02	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.38	8.38	0.00	8.01	8.00	0.00	7.10	7.08	-0.02	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.63	0.00	7.94	7.94	0.00	7.12	7.11	-0.01	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.38	0.00	8.00	8.00	0.00	7.32	7.31	-0.01	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.42	0.00	8.02	8.02	0.00	7.32	7.31	-0.01	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.42	0.00	8.02	8.02	0.00	7.32	7.31	-0.01	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.12	0.00	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.53	0.00	4.06	4.06	0.00	3.82	3.82	0.00	3.64	3.64	0.00	3.32	3.32	0.00
01401	6.39	6.39	0.00	5.53	5.53	0.00	5.14	5.14	0.00	4.87	4.87	0.00	4.39	4.39	0.00
01402	6.46	6.46	0.00	5.62	5.62	0.00	5.24	5.24	0.00	4.98	4.98	0.00	4.54	4.54	0.00
01403	7.40	7.40	0.00	6.22	6.22	0.00	5.75	5.75	0.00	5.47	5.47	0.00	4.95	4.95	0.00
01410	8.69	8.69	0.00	7.58	7.58	0.00	6.88	6.88	0.00	6.55	6.55	0.00	5.86	5.86	0.00
01411	8.94	8.94	0.00	7.87	7.87	0.00	7.03	7.03	0.00	6.67	6.67	0.00	5.96	5.96	0.00
01412	9.11	9.11	0.00	8.63	8.63	0.00	7.58	7.58	0.00	7.01	7.01	0.00	6.25	6.25	0.00
01413	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.60	6.60	0.00
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.68	0.00	9.30	9.30	0.00	7.97	7.97	0.00
01415	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01416	9.12	9.12	0.00	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01417	9.12	9.12	0.00	8.65	8.65	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.64	6.64	0.00
01420	9.10	9.10	0.00	8.52	8.52	0.00	7.78	7.78	0.00	7.42	7.42	0.00	6.58	6.58	0.00
01421	8.94	8.94	0.00	8.68	8.68	0.00	8.23	8.23	0.00	7.95	7.95	0.00	7.41	7.41	0.00
01422	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01430	9.14	9.14	0.00	8.70	8.70	0.00	8.48	8.48	0.00	8.19	8.19	0.00	7.17	7.17	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.14	0.00	8.71	8.71	0.00	8.50	8.50	0.00	8.29	8.29	0.00	7.99	7.99	0.00
01432	9.15	9.15	0.00	8.71	8.71	0.00	8.58	8.58	0.00	8.45	8.45	0.00	8.19	8.19	0.00
01433	9.15	9.15	0.00	8.73	8.73	0.00	8.60	8.60	0.00	8.51	8.51	0.00	8.38	8.38	0.00
01440	9.16	9.16	0.00	8.77	8.77	0.00	8.63	8.63	0.00	8.48	8.48	0.00	8.21	8.21	0.00
01441	9.16	9.16	0.00	8.76	8.76	0.00	8.62	8.62	0.00	8.47	8.47	0.00	8.21	8.21	0.00
01442	9.28	9.28	0.00	9.11	9.11	0.00	8.98	8.98	0.00	8.85	8.85	0.00	8.61	8.61	0.00
01450	9.30	9.30	0.00	9.15	9.15	0.00	9.04	9.04	0.00	8.95	8.95	0.00	8.84	8.84	0.00
01451	9.19	9.19	0.00	8.89	8.89	0.00	8.80	8.80	0.00	8.74	8.74	0.00	8.68	8.68	0.00
01452	10.69	10.69	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.41	0.00	13.34	13.34	0.00	13.27	13.27	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01501	5.29	5.29	0.00	5.14	5.14	0.00	5.03	5.03	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01502	5.32	5.32	0.00	5.15	5.15	0.00	5.04	5.04	0.00	4.94	4.94	0.00	4.80	4.80	0.00
01503	5.69	5.69	0.00	5.41	5.41	0.00	5.26	5.26	0.00	5.13	5.13	0.00	4.89	4.89	0.00
01504	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01510	6.30	6.30	0.00	6.25	6.25	0.00	6.22	6.22	0.00	6.20	6.20	0.00	6.16	6.16	0.00
01520	7.68	7.68	0.00	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.48	0.00
01530	8.32	8.32	0.00	7.93	7.93	0.00	7.76	7.76	0.00	7.69	7.69	0.00	7.60	7.60	0.00
01531	7.10	7.10	0.00	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.93	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.89	0.00	8.68	8.68	0.00	8.51	8.51	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01541	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01550	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01551	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01552	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.52	0.00	5.72	5.72	0.00	5.29	5.28	-0.01	4.97	4.96	-0.01	3.96	3.92	-0.04
01701	6.29	6.29	0.00	5.57	5.57	0.00	4.60	4.58	-0.02	3.66	3.66	0.00	3.21	3.21	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.89	0.00	8.77	8.77	0.00	8.31	8.30	-0.01	7.14	7.14	0.00	6.22	6.22	0.00
01711	8.87	8.87	0.00	8.76	8.76	0.00	8.36	8.35	-0.01	7.52	7.52	0.00	7.03	7.03	0.00
01712	7.79	7.79	0.00	7.68	7.68	0.00	7.59	7.59	0.00	7.52	7.52	0.00	7.44	7.44	0.00
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.04	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.52	0.00	8.86	8.85	0.00	7.64	7.64	0.00
01730	11.07	11.07	0.00	11.01	11.01	0.00	10.96	10.96	0.00	10.66	10.66	0.00	9.39	9.39	0.00
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.00	12.90	12.90	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.65	0.00
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.28	0.00	14.18	14.18	0.00	13.70	13.70	0.00
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.56	0.00
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.62	13.62	0.00
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.00
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.68	0.00
01800	8.51	8.50	0.00	6.96	6.93	-0.03	5.38	5.35	-0.03	4.43	4.41	-0.02	3.40	3.36	-0.05
01810	10.46	10.46	0.00	9.95	9.84	-0.11	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.52	0.00	10.17	10.16	-0.01	7.46	7.38	-0.07	5.63	5.59	-0.04	3.99	3.91	-0.08
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.01	0.00	10.68	10.67	-0.01	8.15	8.06	-0.09	6.04	6.00	-0.04	4.23	4.15	-0.08
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.98	0.00	11.68	11.68	-0.01	9.53	9.41	-0.12	8.45	8.43	-0.02	7.76	7.70	-0.05
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.21	0.00	11.96	11.96	0.00	11.53	11.52	-0.01	11.15	11.13	-0.02	10.53	10.47	-0.05
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.23	0.00	11.99	11.99	0.00	11.66	11.65	-0.01	11.39	11.38	-0.01	10.79	10.72	-0.07
01870	12.25	12.25	0.00	12.00	12.00	0.00	11.67	11.66	-0.01	11.41	11.39	-0.01	10.92	10.88	-0.04
01880	12.35	12.35	0.00	12.12	12.11	-0.01	11.96	11.95	-0.01	11.88	11.87	-0.01	11.79	11.77	-0.01
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.26	-0.01	4.64	4.63	-0.01
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.20	-0.01	5.18	5.16	-0.02
01902	8.13	8.13	0.00	7.67	7.67	0.00	7.25	7.25	-0.01	6.88	6.86	-0.02	5.53	5.50	-0.03
01911	8.14	8.13	0.00	7.68	7.68	0.00	7.26	7.25	0.00	6.88	6.86	-0.02	5.54	5.51	-0.03
01920	9.39	9.39	0.00	8.60	8.59	0.00	8.15	8.14	-0.01	7.73	7.71	-0.02	6.57	6.55	-0.03
01921	10.76	10.76	0.00	9.54	9.54	0.00	9.12	9.11	-0.01	8.70	8.67	-0.03	7.13	7.08	-0.05

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.60	0.00	10.86	10.85	0.00	10.52	10.51	-0.01	10.14	10.11	-0.03	7.95	7.88	-0.07
01940	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.65	-0.01	11.27	11.23	-0.04	8.58	8.49	-0.09
01950	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.65	-0.01	11.28	11.24	-0.04	8.61	8.51	-0.10
01953	12.26	12.26	0.00	12.01	12.01	-0.01	11.69	11.68	-0.01	11.33	11.30	-0.04	8.81	8.69	-0.12
01954	12.34	12.33	0.00	12.08	12.07	0.00	11.94	11.94	0.00	11.82	11.81	-0.01	10.47	10.06	-0.41
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.55	0.00	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.32	0.00	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.89	0.00	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.68	0.00	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.98	0.00	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	0.00	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.22	0.00	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.32	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.45	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.84	0.00
02250	12.38	12.38	0.00	11.92	11.91	0.00	11.25	11.24	-0.01	10.45	10.44	-0.01	9.81	9.80	-0.01
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.88	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.29	0.00	11.97	11.96	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	0.00	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	0.00	12.07	12.07	0.00	11.64	11.63	-0.01	10.94	10.93	-0.01	10.44	10.43	-0.01
02261	12.35	12.35	0.00	12.06	12.06	0.00	11.65	11.64	-0.01	11.06	11.06	0.00	10.80	10.79	-0.01
02270	12.50	12.50	0.00	12.35	12.35	0.00	12.21	12.20	0.00	11.97	11.96	-0.01	11.74	11.72	-0.02
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.27	-0.01	12.13	12.11	-0.02

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	-0.01	13.16	13.16	-0.01	13.07	13.06	-0.01	12.94	12.92	-0.03
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.37	-0.01	12.19	12.18	-0.02
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.22	-0.01	12.81	12.80	-0.01	12.47	12.45	-0.02
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	-0.01	13.23	13.21	-0.02	12.73	12.71	-0.02
02280	13.23	13.22	0.00	13.11	13.11	-0.01	13.04	13.04	-0.01	12.98	12.97	-0.01	12.89	12.86	-0.03
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.66	-0.01	13.35	13.30	-0.05
02281Y	13.52	13.51	0.00	13.40	13.39	-0.01	13.34	13.33	-0.01	13.30	13.29	-0.01	13.23	13.20	-0.03
02282A	14.47	14.46	-0.01	14.23	14.22	-0.01	14.08	14.06	-0.01	13.97	13.95	-0.02	13.84	13.79	-0.06
02282B	14.57	14.54	-0.03	14.33	14.31	-0.02	14.21	14.17	-0.04	14.11	14.04	-0.08	14.00	13.86	-0.13
02282Y	14.15	14.14	-0.01	14.00	13.99	-0.01	13.92	13.91	-0.02	13.86	13.83	-0.03	13.77	13.71	-0.06
02283	15.14	15.11	-0.03	15.05	15.00	-0.05	14.97	14.89	-0.09	14.90	14.65	-0.24	14.82	14.32	-0.50
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	0.00	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.60	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.00	-0.01	15.61	15.60	-0.01	15.31	15.29	-0.02	14.94	14.90	-0.04	13.03	12.48	-0.55
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.44	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.68	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.51	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.41	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.23	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.65	0.00	10.33	10.32	-0.01
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.84	-0.01
N00235	13.20	13.20	0.00	12.95	12.94	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.40	-0.01
N00237	13.37	13.37	0.00	13.12	13.11	0.00	12.91	12.91	0.00	12.76	12.76	-0.01	12.58	12.57	-0.01
N00255	14.05	14.05	0.00	13.99	13.98	0.00	13.97	13.96	-0.01	13.95	13.95	-0.01	13.94	13.92	-0.01
N00515	6.16	6.15	-0.01	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.25	-0.03	6.09	6.06	-0.03	5.93	5.90	-0.03	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	0.00	6.58	6.58	0.00	6.48	6.48	0.00	5.81	5.81	0.00
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.08	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.31	-0.01	15.23	15.21	-0.02	15.14	15.07	-0.07	15.02	14.84	-0.18	14.83	14.52	-0.32
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Venezia Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).
4. Existing pump station to be utilized for conveyance of flow to proposed retention area.

Legend

Existing
- Pump Station
- Structures
- Pipes

Proposed
- Structures
- Add Pipes
- Upsize Pipes
- Dry Retention
- Project Contributing Area

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WEST GATE DR

VERONA ST

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VENEZIA PARK WATER QUALITY PROJECT

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 400 800 Feet

N

Kimley»Horn

H-6

Complete Report (not including cost) Ver 4.3.5

Project: Venezia Park Water Quality Project
Date: 12/18/2024 6:10:06 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Venezia Park
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	87.32
Rational Coefficient (0-1)	0.06
Non DCIA Curve Number	66.90
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	22.877
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	58.390
Phosphorus Loading (kg/yr)	9.224

Post-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	87.32
Rational Coefficient (0-1)	0.06
Non DCIA Curve Number	66.90
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	22.877
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	58.390
Phosphorus Loading (kg/yr)	9.224

Catchment Number: 1 Name: Venezia Park

Project: Venezia Park Water Quality Project
Date: 12/18/2024

Retention Design

Retention Depth (in)	0.160
Retention Volume (ac-ft)	1.164

Watershed Characteristics

Catchment Area (acres)	87.32
Contributing Area (acres)	87.320
Non-DCIA Curve Number	66.90
DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	33
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	33

Media Mix Information

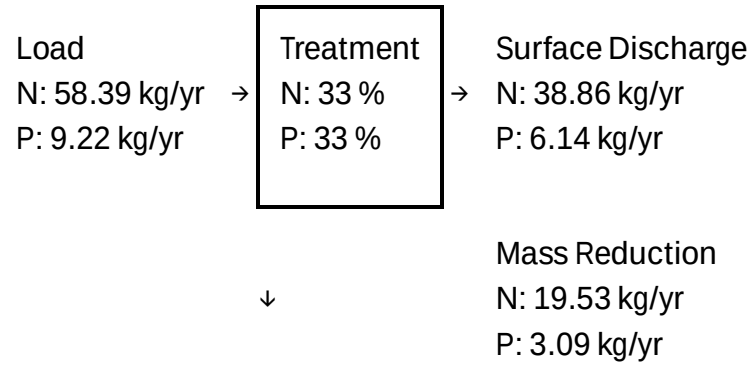
Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

Groundwater Discharge (Stand-Alone)

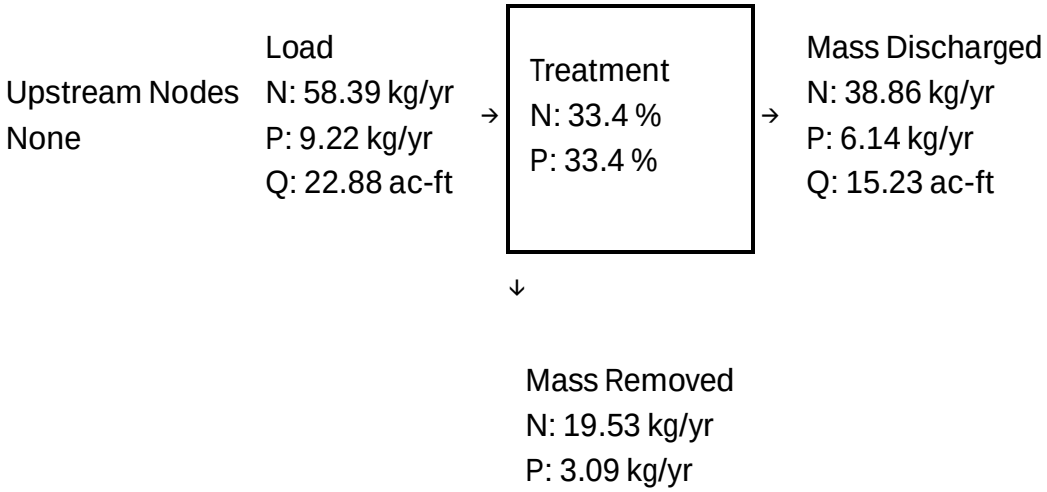
Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	19.530
TN Concentration (mg/L)	0.000

TP Mass Load (kg/yr)	3.085
TP Concentration (mg/L)	0.000

Load Diagram for Retention (stand-alone)



Load Diagram for Retention (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Venezia Park Water Quality Project

Date:12/18/2024

Analysis Type: BMP Analysis

BMP Types:

Catchment 1 - (Venezia Park) Retention

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge		
Total N post load	58.39 kg/yr	
Percent N load reduction	33 %	
Provided N discharge load	38.86 kg/yr	85.69 lb/yr
Provided N load removed	19.53 kg/yr	43.06 lb/yr

Phosphorus

Surface Water Discharge		
Total P post load	9.224 kg/yr	
Percent P load reduction	33 %	
Provided P discharge load	6.139 kg/yr	13.54 lb/yr
Provided P load removed	3.085 kg/yr	6.803 lb/yr

I-1 100-YR 24-HR Floodplain Map

I-2 25-YR 24-HR Floodplain Map

I-3 10-YR 24-HR Floodplain Map

I-4 5-YR 24-HR Floodplain Map

I-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

I-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix I – Prentiss French Park Water Quality Project

15

14

17

18

Legend

- Project Contributing Area
- Treatment Basins

Prentiss French Park Floodplain

- 100-Year 24-Hour Floodplain

Existing Floodplain

- 100-Year 24-Hour Floodplain

Maxar, Microsoft

PRENTISS FRENCH PARK WATER QUALITY PROJECT

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 250 500 Feet

N

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I-1

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18

Legend

- Project Contributing Area
- Treatment Basins

Prentiss French Park Floodplain

- 25-Year 24-Hour Floodplain

Existing Floodplain

- 25-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

PRENTISS FRENCH PARK WATER QUALITY PROJECT

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

I-2

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18

Maxar, Microsoft

Legend

- Project Contributing Area
- Treatment Basins
- Prentiss French Park Floodplain
- 10-Year 24-Hour Floodplain
- Existing Floodplain
- 10-Year 24-Hour Floodplain

PRENTISS FRENCH PARK WATER QUALITY PROJECT

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

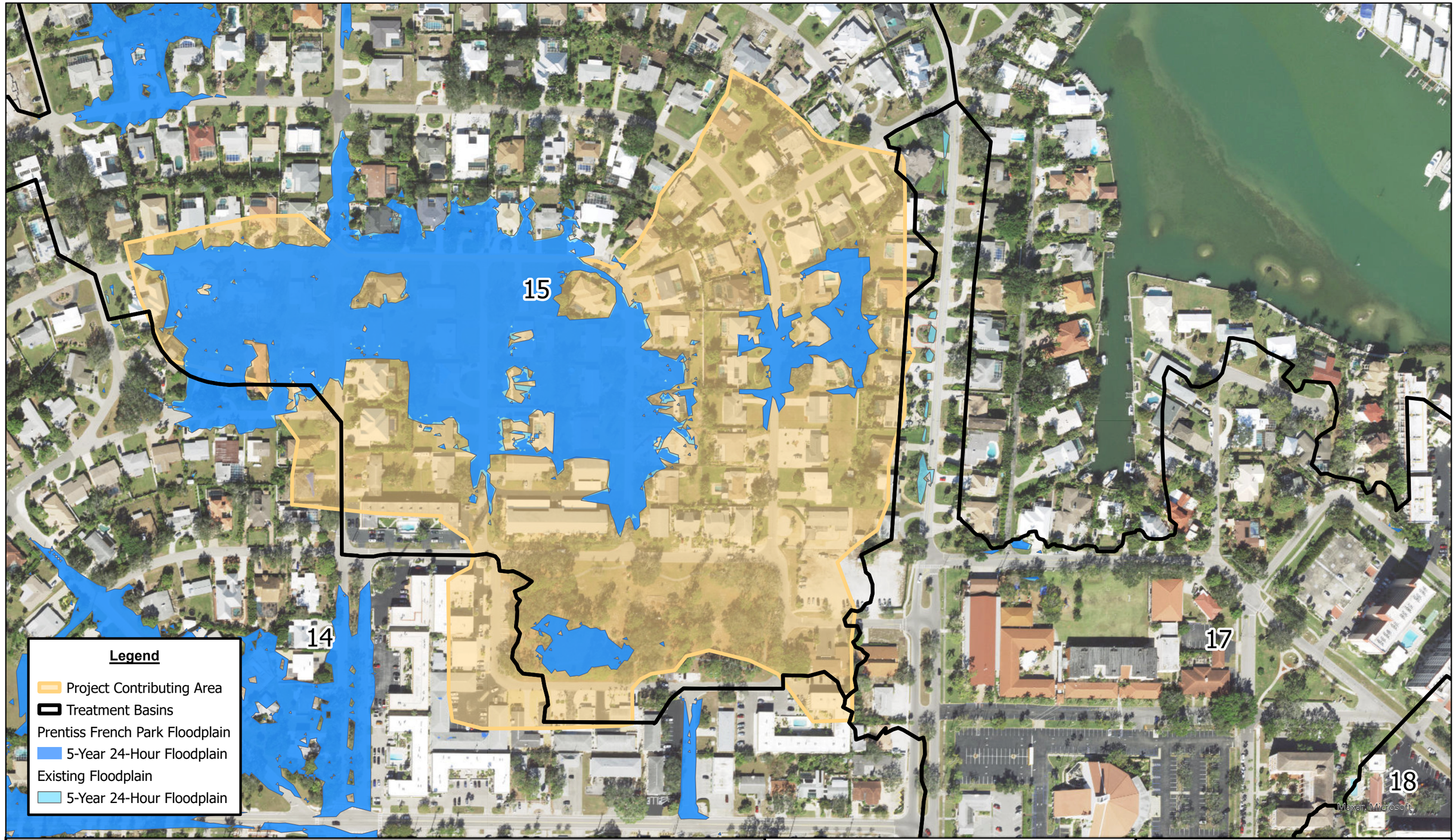
JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

I-3



PRENTISS FRENCH PARK WATER QUALITY PROJECT

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

I-4

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Legend

- Project Contributing Area
- Treatment Basins

Prentiss French Park Floodplain

- 2-Year 24-Hour Floodplain

Existing Floodplain

- 2-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

PRENTISS FRENCH PARK WATER QUALITY PROJECT

2-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

I-5

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.41	6.41	0.00	5.51	5.51	0.00
00100A	9.79	9.79	0.00	9.57	9.57	0.00	9.36	9.36	0.00	8.89	8.89	0.00	7.70	7.70	0.00
00100B	9.83	9.83	0.00	9.60	9.60	0.00	9.38	9.38	0.00	8.92	8.92	0.00	7.90	7.90	0.00
00100C	9.88	9.88	0.00	9.63	9.63	0.00	9.40	9.40	0.00	8.93	8.93	0.00	7.99	7.99	0.00
00200	9.91	9.91	0.00	9.65	9.65	0.00	9.41	9.41	0.00	8.94	8.94	0.00	8.08	8.09	0.00
00200A	6.29	6.29	0.00	6.19	6.19	0.00	6.10	6.10	0.00	5.96	5.96	0.00	5.80	5.80	0.00
00204	10.41	10.41	0.00	10.09	10.09	0.00	9.84	9.84	0.00	9.64	9.64	0.00	9.32	9.32	0.00
00210	10.67	10.67	0.00	10.40	10.40	0.00	10.19	10.19	0.00	10.02	10.02	0.00	9.74	9.74	0.00
00212	11.81	11.81	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.96	0.00
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.75	0.00	11.53	11.53	0.00	11.37	11.37	0.00	11.13	11.13	0.00
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.71	0.00	11.54	11.54	0.00	11.33	11.33	0.00
00220	12.44	12.44	0.00	12.14	12.14	0.00	11.92	11.92	0.00	11.76	11.76	0.00	11.56	11.56	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.86	0.00
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.53	0.00
00234	12.90	12.90	0.00	12.78	12.78	0.00	12.70	12.70	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.38	0.00	13.18	13.18	0.00	13.03	13.03	0.00	12.81	12.81	0.00
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.54	0.00
00242	13.79	13.79	0.00	13.56	13.56	0.00	13.36	13.36	0.00	13.22	13.22	0.00	12.99	12.99	0.00
00250	14.06	14.06	0.00	13.88	13.88	0.00	13.70	13.70	0.00	13.57	13.57	0.00	13.33	13.33	0.00
00251	13.77	13.77	0.00	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.76	0.00	2.92	2.92	0.00	2.45	2.45	0.00	2.19	2.19	0.00	1.94	1.94	0.00
00501	3.83	3.83	0.00	2.98	2.98	0.00	2.50	2.50	0.00	2.24	2.24	0.00	1.97	1.97	0.00
00502	4.34	4.34	0.00	3.43	3.43	0.00	2.93	2.93	0.00	2.64	2.64	0.00	2.31	2.31	0.00
00510	5.37	5.37	0.00	5.04	5.04	0.00	4.58	4.58	0.00	4.04	4.04	0.00	3.34	3.34	0.00
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.03	0.00	6.62	6.62	0.00	6.00	6.00	0.00	5.05	5.05	0.00	3.88	3.88	0.00
00516	7.84	7.84	0.00	7.23	7.23	0.00	6.56	6.56	0.00	5.72	5.72	0.00	4.58	4.58	0.00
00520	10.02	10.02	0.00	9.78	9.78	0.00	9.55	9.55	0.00	9.28	9.28	0.00	7.71	7.71	0.00
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.29	0.00	10.19	10.19	0.00	9.75	9.75	0.00
00522	11.64	11.64	0.00	11.32	11.32	0.00	11.07	11.07	0.00	10.91	10.91	0.00	10.38	10.38	0.00
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.93	0.00	11.20	11.20	0.00
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.66	0.00	11.05	11.05	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.81	0.00	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.32	0.00
00532	13.59	13.59	0.00	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.60	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.17	0.00
00537	13.67	13.67	0.00	13.53	13.53	0.00	13.44	13.44	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.77	0.00	13.63	13.63	0.00	13.55	13.55	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.78	0.00	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.13	0.00	12.68	12.68	0.00	11.61	11.61	0.00
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.15	0.00	12.79	12.79	0.00	12.64	12.64	0.00
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.47	0.00
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.31	0.00	12.68	12.68	0.00
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.09	0.00	14.68	14.68	0.00	12.87	12.87	0.00
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.54	0.00	13.09	13.09	0.00	11.85	11.85	0.00
00572	14.38	14.38	0.00	14.20	14.20	0.00	13.99	13.99	0.00	13.60	13.60	0.00	12.16	12.16	0.00
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.11	0.00	12.46	12.46	0.00
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.47	0.00	14.11	14.11	0.00	12.46	12.46	0.00
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.54	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	12.68	12.68	0.00
00575B	14.89	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	13.99	13.99	0.00
00576	15.83	15.83	0.00	15.44	15.44	0.00	15.10	15.10	0.00	14.71	14.71	0.00	12.91	12.91	0.00
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.19	0.00	14.81	14.81	0.00	12.97	12.97	0.00
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	0.00	15.46	15.46	0.00	15.09	15.09	0.00	13.10	13.10	0.00
00582	16.54	16.54	0.00	16.25	16.25	0.00	15.74	15.74	0.00	15.25	15.25	0.00	13.16	13.16	0.00
00583	16.69	16.69	0.00	16.35	16.35	0.00	15.79	15.79	0.00	15.28	15.28	0.00	13.17	13.17	0.00
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.59	0.00	15.29	15.29	0.00	13.22	13.22	0.00
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.43	0.00	13.31	13.31	0.00
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.61	0.00	13.44	13.44	0.00
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.33	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.88	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.77	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.00	0.00	8.53	8.53	0.00	7.97	7.97	0.00	7.30	7.30	0.00	6.71	6.71	0.00
01005	9.04	9.04	0.00	8.58	8.58	0.00	8.02	8.02	0.00	7.37	7.37	0.00	6.82	6.82	0.00
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.72	0.00	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.00	0.00	8.53	8.52	0.00	7.98	7.98	0.00	7.38	7.38	0.00	6.84	6.84	0.00
01100F	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	8.99	0.00	8.51	8.51	0.00	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.72	0.00	8.46	8.46	0.00	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.99	0.00	8.53	8.53	0.00	7.99	7.99	0.00	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.40	7.40	0.00	6.90	6.90	0.00
01200	3.13	3.13	0.00	2.56	2.56	0.00	2.45	2.45	0.00	2.35	2.35	0.00	2.02	2.02	0.00
01201	3.38	3.38	0.00	3.10	3.10	0.00	2.94	2.94	0.00	2.84	2.84	0.00	2.34	2.34	0.00
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.41	0.00	2.09	2.09	0.00	1.90	1.90	0.00	1.81	1.81	0.00	1.72	1.72	0.00
01203	4.26	4.26	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.27	3.27	0.00
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.62	0.00	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.25	0.00	3.79	3.79	0.00	3.53	3.53	0.00	3.47	3.47	0.00	3.26	3.26	0.00
01222	5.94	5.94	0.00	5.23	5.23	0.00	4.16	4.16	0.00	3.97	3.97	0.00	3.56	3.56	0.00
01223	5.94	5.94	0.00	5.23	5.23	0.00	4.17	4.17	0.00	3.98	3.98	0.00	3.61	3.61	0.00
01224	5.94	5.94	0.00	5.23	5.23	0.00	4.20	4.20	0.00	4.02	4.02	0.00	3.69	3.69	0.00
01225	6.10	6.10	0.00	5.36	5.36	0.00	4.59	4.59	0.00	4.35	4.35	0.00	3.89	3.89	0.00
01226	6.84	6.84	0.00	6.04	6.04	0.00	5.31	5.31	0.00	4.99	4.99	0.00	4.27	4.27	0.00
01227	7.34	7.34	0.00	6.52	6.52	0.00	5.79	5.79	0.00	5.43	5.43	0.00	4.52	4.52	0.00
01228	7.83	7.83	0.00	7.02	7.02	0.00	6.21	6.21	0.00	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.98	-0.01	7.89	7.89	0.00	7.01	7.01	0.00	6.54	6.54	0.00	5.99	6.00	0.00
01230	8.38	8.38	0.00	8.01	8.01	0.00	7.10	7.10	0.00	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.63	0.00	7.94	7.94	0.00	7.12	7.12	0.00	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.38	0.00	8.00	8.00	0.00	7.32	7.32	0.00	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.43	0.00	8.02	8.02	0.00	7.32	7.32	0.00	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.08	-0.04	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.51	-0.02	4.06	4.06	0.00	3.82	3.82	0.00	3.64	3.64	0.00	3.32	3.31	0.00
01401	6.39	6.37	-0.02	5.53	5.53	0.00	5.14	5.14	0.00	4.87	4.87	0.00	4.39	4.39	0.00
01402	6.46	6.44	-0.02	5.62	5.61	-0.01	5.24	5.24	0.00	4.98	4.98	0.00	4.54	4.54	0.00
01403	7.40	7.36	-0.05	6.22	6.21	-0.01	5.75	5.75	0.00	5.47	5.47	0.00	4.95	4.95	0.00
01410	8.69	8.67	-0.03	7.58	7.56	-0.02	6.88	6.88	0.00	6.55	6.54	0.00	5.86	5.86	0.00
01411	8.94	8.93	-0.01	7.87	7.86	-0.02	7.03	7.03	0.00	6.67	6.67	0.00	5.96	5.96	0.00
01412	9.11	9.11	0.00	8.63	8.63	0.00	7.58	7.57	0.00	7.01	7.01	0.00	6.25	6.25	0.00
01413	9.12	9.11	-0.01	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.60	6.60	0.00
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.68	0.00	9.30	9.30	0.00	7.97	7.97	0.00
01415	9.12	9.11	-0.01	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01416	9.12	9.11	-0.01	8.64	8.64	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.61	6.61	0.00
01417	9.12	9.12	-0.01	8.65	8.65	0.00	8.08	8.08	0.00	7.47	7.47	0.00	6.64	6.64	0.00
01420	9.10	9.09	-0.01	8.52	8.52	-0.01	7.78	7.77	0.00	7.42	7.42	0.00	6.58	6.58	0.00
01421	8.94	8.92	-0.02	8.68	8.61	-0.08	8.23	8.19	-0.04	7.95	7.92	-0.03	7.41	7.39	-0.01
01422	8.90	8.87	-0.03	8.69	8.62	-0.07	8.52	8.41	-0.11	8.35	8.23	-0.12	8.13	8.01	-0.12
01430	9.14	9.14	0.00	8.70	8.70	0.00	8.48	8.48	0.00	8.19	8.19	0.00	7.17	7.17	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.14	-0.01	8.71	8.70	0.00	8.50	8.50	0.00	8.29	8.29	0.00	7.99	7.99	0.00
01432	9.15	9.14	0.00	8.71	8.71	0.00	8.58	8.58	0.00	8.45	8.45	0.00	8.19	8.20	0.00
01433	9.15	9.15	0.00	8.73	8.73	0.00	8.60	8.60	0.00	8.51	8.51	0.00	8.38	8.38	0.00
01440	9.16	9.16	0.00	8.77	8.77	0.00	8.63	8.63	0.00	8.48	8.48	0.00	8.21	8.21	0.00
01441	9.16	9.15	0.00	8.76	8.76	0.00	8.62	8.62	0.00	8.47	8.47	0.00	8.21	8.21	0.00
01442	9.28	9.28	0.00	9.11	9.11	0.00	8.98	8.98	0.00	8.85	8.85	0.00	8.61	8.61	0.00
01450	9.30	9.30	0.00	9.15	9.15	0.00	9.04	9.04	0.00	8.95	8.95	0.00	8.84	8.85	0.00
01451	9.19	9.18	0.00	8.89	8.89	0.00	8.80	8.80	0.00	8.74	8.74	0.00	8.68	8.68	0.00
01452	10.69	10.69	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.42	0.00	13.34	13.34	0.00	13.27	13.27	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.28	-0.01	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01501	5.29	5.29	-0.01	5.14	5.13	0.00	5.03	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01502	5.32	5.31	-0.01	5.15	5.15	0.00	5.04	5.04	0.00	4.94	4.94	0.00	4.80	4.80	0.00
01503	5.69	5.69	-0.01	5.41	5.41	0.00	5.26	5.25	0.00	5.13	5.13	0.00	4.89	4.89	0.00
01504	5.29	5.28	-0.01	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01510	6.30	6.30	0.00	6.25	6.25	0.00	6.22	6.22	0.00	6.20	6.20	0.00	6.16	6.16	0.00
01520	7.68	7.66	-0.01	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.46	-0.02
01530	8.32	8.27	-0.04	7.93	7.84	-0.09	7.76	7.75	-0.01	7.69	7.68	-0.01	7.60	7.58	-0.02
01531	7.10	7.07	-0.02	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.93	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.86	-0.03	8.68	8.61	-0.07	8.51	8.40	-0.11	8.35	8.22	-0.13	8.13	8.01	-0.12
01541	8.89	8.86	-0.03	8.69	8.62	-0.07	8.52	8.40	-0.11	8.35	8.22	-0.13	8.13	8.01	-0.12
01550	8.90	8.87	-0.03	8.69	8.62	-0.07	8.52	8.41	-0.11	8.35	8.23	-0.13	8.14	8.02	-0.12
01551	8.89	8.86	-0.03	8.69	8.62	-0.07	8.52	8.40	-0.11	8.35	8.22	-0.13	8.13	8.01	-0.12
01552	8.90	8.87	-0.03	8.69	8.62	-0.07	8.52	8.41	-0.11	8.35	8.23	-0.13	8.14	8.02	-0.12
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.27	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.50	-0.02	5.72	5.62	-0.09	5.29	5.28	0.00	4.97	4.98	0.01	3.96	4.01	0.05
01701	6.29	6.27	-0.03	5.57	5.39	-0.19	4.60	4.35	-0.26	3.66	3.77	0.11	3.21	3.50	0.28

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.86	-0.02	8.77	8.65	-0.11	8.31	7.71	-0.60	7.14	7.41	0.27	6.22	7.01	0.79
01711	8.87	8.83	-0.04	8.76	8.54	-0.22	8.36	7.70	-0.65	7.52	7.44	-0.08	7.03	7.12	0.09
01712	7.79	7.79	0.00	7.68	7.74	0.05	7.59	7.59	0.01	7.52	7.45	-0.07	7.44	7.27	-0.17
01713	10.15	8.89	-1.26	10.10	7.91	-2.19	10.07	7.70	-2.37	10.04	7.54	-2.50	10.00	7.34	-2.66
01720	9.83	9.83	0.00	9.69	9.68	-0.02	9.52	9.42	-0.10	8.86	9.08	0.22	7.64	8.33	0.70
01730	11.07	11.07	0.00	11.01	11.01	0.00	10.96	10.96	-0.01	10.66	10.78	0.12	9.39	9.91	0.52
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.00	12.90	12.96	0.05
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.75	0.10
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.29	0.00	14.18	14.19	0.01	13.70	13.80	0.10
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.57	0.01
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.68	0.00	13.62	13.62	0.00
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.00
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.69	0.00
01800	8.51	8.51	0.00	6.96	6.94	-0.01	5.38	5.37	-0.01	4.43	4.47	0.04	3.40	3.46	0.05
01810	10.46	10.46	0.00	9.95	9.90	-0.04	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.52	0.00	10.17	10.16	-0.01	7.46	7.43	-0.02	5.63	5.68	0.06	3.99	4.09	0.10
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.01	0.00	10.68	10.67	-0.01	8.15	8.13	-0.02	6.04	6.10	0.06	4.23	4.34	0.10
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.98	0.00	11.68	11.68	0.00	9.53	9.51	-0.02	8.45	8.46	0.01	7.76	7.81	0.06
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.21	0.00	11.96	11.96	0.00	11.53	11.53	0.00	11.15	11.16	0.01	10.53	10.58	0.06
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.24	0.00	11.99	11.99	0.00	11.66	11.66	0.00	11.39	11.39	0.00	10.79	10.84	0.06
01870	12.25	12.25	0.00	12.00	12.00	0.00	11.67	11.67	0.00	11.41	11.41	0.00	10.92	10.95	0.03
01880	12.35	12.35	0.00	12.12	12.12	0.00	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.00
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	0.00	4.64	4.64	0.00
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.22	0.00	5.18	5.18	0.00
01902	8.13	8.13	0.00	7.67	7.68	0.00	7.25	7.26	0.00	6.88	6.88	0.00	5.53	5.54	0.01
01911	8.14	8.14	0.00	7.68	7.68	0.00	7.26	7.26	0.00	6.88	6.88	0.00	5.54	5.54	0.01
01920	9.39	9.39	0.00	8.60	8.60	0.00	8.15	8.15	0.00	7.73	7.73	0.00	6.57	6.58	0.00
01921	10.76	10.76	0.00	9.54	9.54	0.00	9.12	9.12	0.00	8.70	8.70	0.00	7.13	7.14	0.01

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.60	0.00	10.86	10.86	0.00	10.52	10.52	0.00	10.14	10.15	0.01	7.95	7.96	0.02
01940	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.27	11.27	0.01	8.58	8.60	0.02
01950	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.28	11.28	0.01	8.61	8.63	0.02
01953	12.26	12.26	0.00	12.01	12.01	0.00	11.69	11.69	0.00	11.33	11.34	0.01	8.81	8.83	0.02
01954	12.34	12.34	0.00	12.08	12.08	0.00	11.94	11.94	0.00	11.82	11.82	0.00	10.47	10.49	0.02
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.55	0.00	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.32	0.00	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.89	0.00	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.69	0.00	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.99	0.00	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	0.00	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.22	0.00	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.33	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.45	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.85	0.00
02250	12.38	12.38	0.00	11.92	11.92	0.00	11.25	11.25	0.00	10.45	10.45	0.00	9.81	9.81	0.00
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.89	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.29	0.00	11.97	11.97	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	0.00	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	0.00	12.07	12.07	0.00	11.64	11.64	0.00	10.94	10.94	0.00	10.44	10.44	0.00
02261	12.35	12.35	0.00	12.06	12.06	0.00	11.65	11.65	0.00	11.06	11.06	0.00	10.80	10.80	0.00
02270	12.50	12.50	0.00	12.35	12.35	0.00	12.21	12.21	0.00	11.97	11.97	0.00	11.74	11.74	0.00
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.28	0.00	12.13	12.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.16	0.00	13.07	13.07	0.00	12.94	12.94	0.00
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.38	0.00	12.19	12.19	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.23	0.00	12.81	12.81	0.00	12.47	12.47	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	0.00	13.23	13.23	0.00	12.73	12.73	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.98	0.00	12.89	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.35	0.00
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.11	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	0.00	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.94	0.00	13.03	13.03	0.00
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.44	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.68	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.51	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.41	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.23	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.66	0.00	10.33	10.33	0.00
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.85	0.00
N00235	13.20	13.20	0.00	12.95	12.95	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.41	0.00
N00237	13.37	13.37	0.00	13.12	13.12	0.00	12.91	12.91	0.00	12.76	12.76	0.00	12.58	12.58	0.00
N00255	14.05	14.05	0.00	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.28	0.00	6.09	6.09	0.00	5.93	5.93	0.00	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	0.00	6.58	6.58	0.00	6.48	6.48	0.00	5.81	5.80	0.00
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.09	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Prentiss French Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

CADIZ RD

PARK DALE DR

PARKSIDE DR

Outfall 17

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Structures
- Add Pipes
- Dry Retention
- Project Contributing Area

State of Florida, Maxar, Microsoft

PRENTISS FRENCH PARK WATER QUALITY PROJECT

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

I-6

Complete Report (not including cost) Ver 4.3.5

Project: Prentiss French Park Water Quality Project
Date: 10/27/2024 2:23:01 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	Prentiss French Park
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	35.01
Rational Coefficient (0-1)	0.06
Non DCIA Curve Number	66.50
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	8.966
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	22.884
Phosphorus Loading (kg/yr)	3.615

Post-Condition Landuse Information

Landuse	Single-Family: TN=2.070 TP=0.327
Area (acres)	35.01
Rational Coefficient (0-1)	0.06
Non DCIA Curve Number	66.50
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	2.070
Phosphorus EMC (mg/l)	0.327
Runoff Volume (ac-ft/yr)	8.966
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	22.884
Phosphorus Loading (kg/yr)	3.615

Catchment Number: 1 Name: Prentiss French Park

Project: Prentiss French Park Water Quality Project
Date: 10/27/2024

None Design

Watershed Characteristics

Catchment Area (acres)	35.01
Contributing Area (acres)	35.010
Non-DCIA Curve Number	66.50
DCIA Percent	0.00

Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	39
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	39

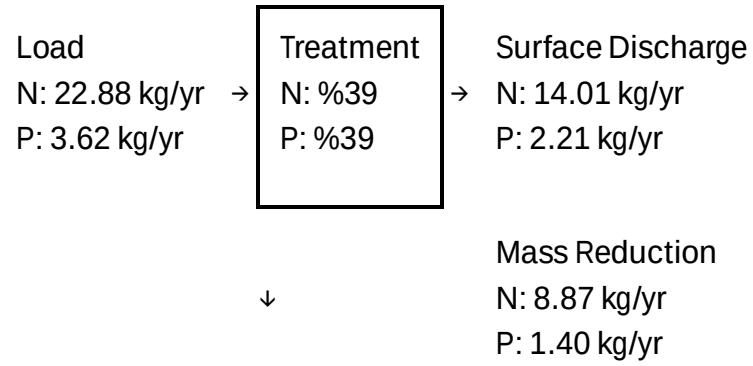
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	0.000
Media P Reduction (%)	0.000

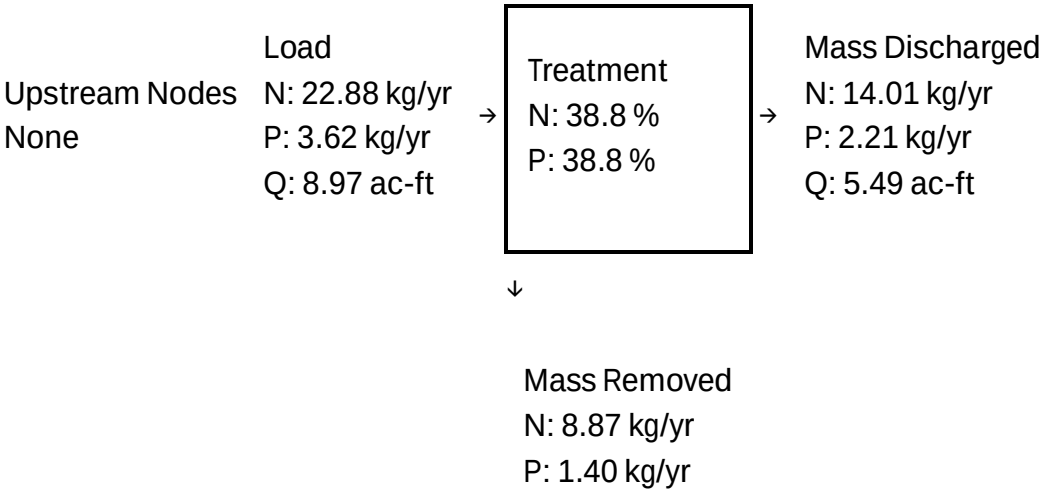
Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	8.871
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	1.401
TP Concentration (mg/L)	0.000

Load Diagram for None (stand-alone)



Load Diagram for None (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: Prentiss French Park Water Quality Project

Date:10/27/2024

Analysis Type: BMP Analysis

BMP Types:

Catchment 1 - (Prentiss French Park) None

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge		
Total N post load	22.88 kg/yr	
Percent N load reduction	39%	
Provided N discharge load	14.01 kg/yr	30.9 lb/yr
Provided N load removed	8.87 kg/yr	19.56 lb/yr

Phosphorus

Surface Water Discharge		
Total P post load	3.615 kg/yr	
Percent P load reduction	39%	
Provided P discharge load	2.214 kg/yr	4.88 lb/yr
Provided P load removed	1.401 kg/yr	3.09 lb/yr

J-1 100-YR 24-HR Floodplain Map

J-2 25-YR 24-HR Floodplain Map

J-3 10-YR 24-HR Floodplain Map

J-4 5-YR 24-HR Floodplain Map

J-5 2-YR 24-HR Floodplain Map

- Node Maximum Stage Table

J-6 Proposed Drainage Design Map

- BMPTrains Results Report

Appendix J – John Nolen Park Water Quality Project

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2

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Legend

- Project Contributing Area
- Treatment Basins
- John Nolen Park Floodplain
- 100-Year 24-Hour Floodplain
- Existing Floodplain
- 100-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

JOHN NOLEN PARK WATER QUALITY PROJECT

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

JANUARY 2025

0 175 350 Feet

N

Kimley»Horn

J-1

14

17

2

22

Legend

- Project Contributing Area
- Treatment Basins

John Nolen Park Floodplain

- 25-Year 24-Hour Floodplain

Existing Floodplain

- 25-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

JOHN NOLEN PARK WATER QUALITY PROJECT

25-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 175 350 Feet

N

Kimley»Horn

J-2

14

17

2

22

Legend

- Project Contributing Area
- Treatment Basins

John Nolen Park Floodplain

- 10-Year 24-Hour Floodplain

Existing Floodplain

- 10-Year 24-Hour Floodplain

State of Florida, Maxar, Microsoft

JOHN NOLEN PARK WATER QUALITY PROJECT

10-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

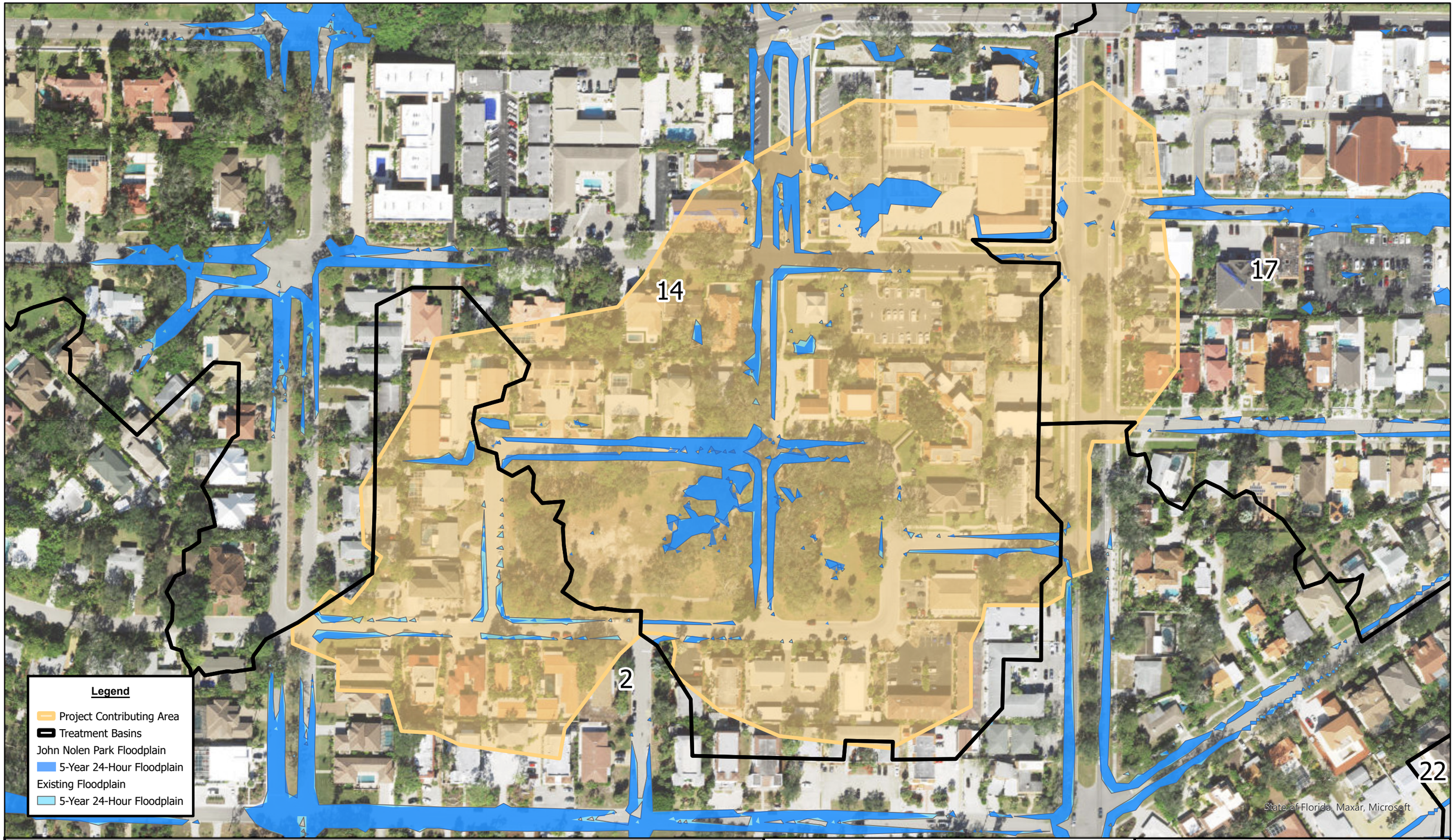
CITY OF VENICE
JANUARY 2025

0 175 350 Feet

N

Kimley»Horn

J-3



JOHN NOLEN PARK WATER QUALITY PROJECT

5-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

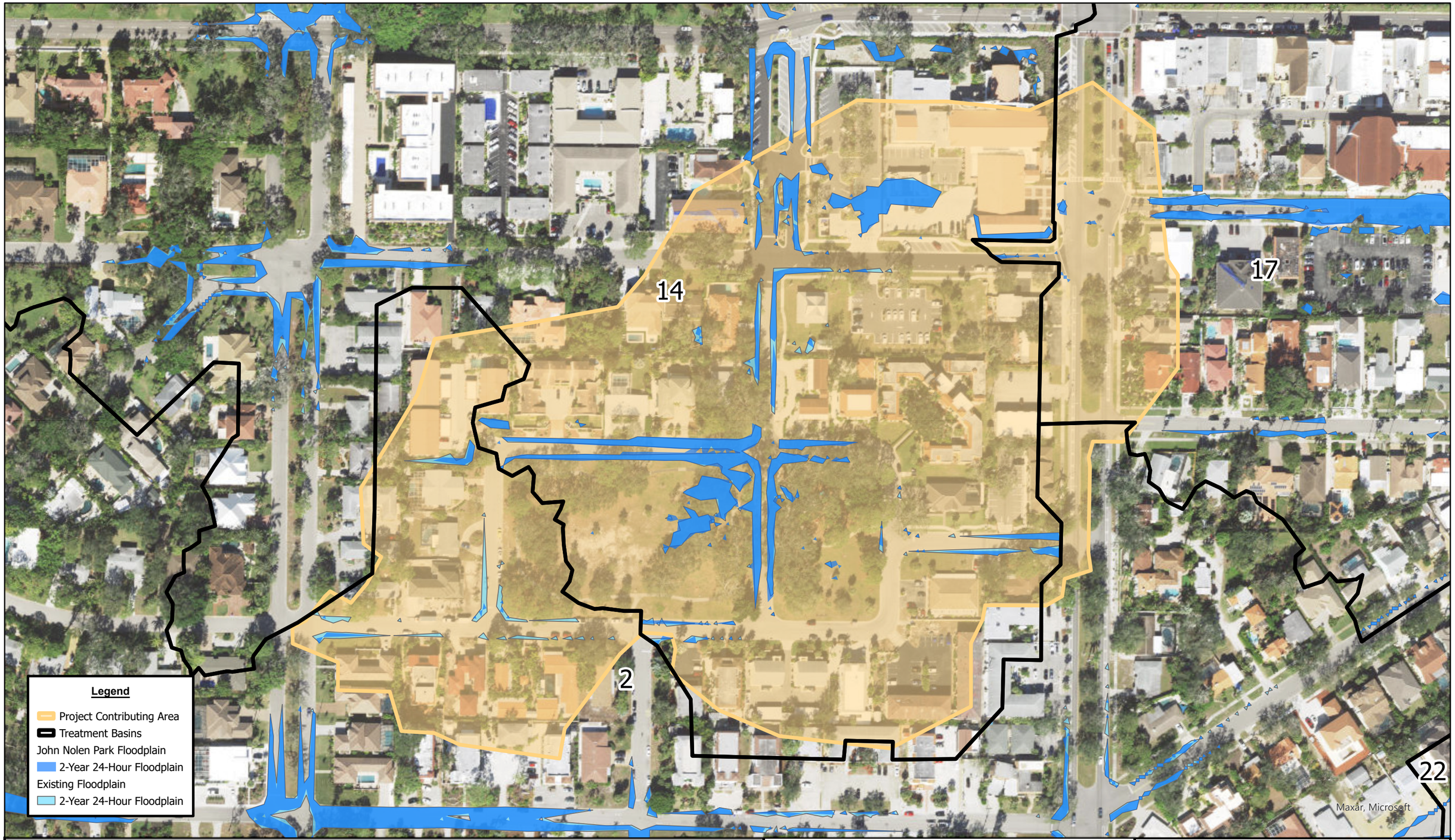
CITY OF VENICE
JANUARY 2025

0 175 350 Feet

N

Kimley»Horn

J-4



JOHN NOLEN PARK WATER QUALITY PROJECT

2-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 175 350 Feet

N

Kimley»Horn

J-5

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.42	8.42	-0.01	8.02	8.00	-0.02	7.32	7.28	-0.04	6.41	6.38	-0.03	5.51	5.50	-0.01
00100A	9.79	9.78	-0.01	9.57	9.57	-0.01	9.36	9.34	-0.02	8.89	8.84	-0.05	7.70	7.67	-0.02
00100B	9.83	9.82	-0.01	9.60	9.60	-0.01	9.38	9.36	-0.02	8.92	8.88	-0.04	7.90	7.86	-0.04
00100C	9.88	9.87	-0.01	9.63	9.63	-0.01	9.40	9.37	-0.02	8.93	8.89	-0.04	7.99	7.94	-0.06
00200	9.91	9.90	-0.01	9.65	9.64	-0.01	9.41	9.38	-0.02	8.94	8.90	-0.04	8.08	8.01	-0.08
00200A	6.29	6.28	0.00	6.19	6.19	0.00	6.10	6.09	-0.01	5.96	5.96	0.00	5.80	5.79	-0.01
00204	10.41	10.40	-0.01	10.09	10.08	-0.01	9.84	9.83	-0.02	9.64	9.62	-0.02	9.32	9.30	-0.02
00210	10.67	10.67	-0.01	10.40	10.39	-0.01	10.19	10.18	-0.01	10.02	10.00	-0.02	9.74	9.72	-0.02
00212	11.81	11.80	-0.01	11.55	11.53	-0.02	11.35	11.34	-0.02	11.19	11.18	-0.02	10.96	10.94	-0.02
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.02	-0.02	11.75	11.73	-0.02	11.53	11.51	-0.02	11.37	11.35	-0.02	11.13	11.11	-0.02
00217	12.22	12.20	-0.02	11.92	11.90	-0.02	11.71	11.69	-0.02	11.54	11.52	-0.02	11.33	11.31	-0.02
00220	12.44	12.42	-0.02	12.14	12.11	-0.03	11.92	11.89	-0.02	11.76	11.73	-0.02	11.56	11.54	-0.02
00221	12.70	12.68	-0.02	12.42	12.39	-0.03	12.21	12.18	-0.03	12.05	12.03	-0.03	11.86	11.83	-0.02
00231	13.43	13.39	-0.04	13.32	13.26	-0.07	13.25	13.16	-0.08	13.19	13.08	-0.10	13.09	12.92	-0.17
00232	13.73	13.67	-0.06	13.63	13.54	-0.09	13.56	13.45	-0.12	13.51	13.36	-0.14	13.43	13.20	-0.23
00233	13.19	13.17	-0.02	12.93	12.91	-0.02	12.75	12.73	-0.02	12.63	12.62	-0.01	12.53	12.52	-0.01
00234	12.90	12.90	0.00	12.78	12.77	0.00	12.70	12.69	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.60	-0.02	13.38	13.35	-0.02	13.18	13.16	-0.02	13.03	13.00	-0.02	12.81	12.78	-0.02
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.53	0.00
00242	13.79	13.77	-0.02	13.56	13.53	-0.03	13.36	13.34	-0.02	13.22	13.20	-0.02	12.99	12.97	-0.03
00250	14.06	14.05	-0.02	13.88	13.85	-0.03	13.70	13.68	-0.02	13.57	13.54	-0.02	13.33	13.29	-0.04
00251	13.77	13.77	-0.01	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	3.75	-0.01	2.92	2.92	0.00	2.45	2.45	0.00	2.19	2.19	0.00	1.94	1.94	0.00
00501	3.83	3.82	-0.01	2.98	2.98	0.00	2.50	2.50	0.00	2.24	2.24	0.00	1.97	1.97	0.00
00502	4.34	4.33	-0.01	3.43	3.43	0.00	2.93	2.93	0.00	2.64	2.64	0.00	2.31	2.31	0.00
00510	5.37	5.37	0.00	5.04	5.04	0.00	4.58	4.58	0.00	4.04	4.04	0.00	3.34	3.34	0.00
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.03	0.00	6.62	6.61	0.00	6.00	6.00	0.00	5.05	5.05	0.00	3.88	3.88	0.00
00516	7.84	7.83	-0.01	7.23	7.23	0.00	6.56	6.56	0.00	5.72	5.72	0.00	4.58	4.58	0.00
00520	10.02	10.01	0.00	9.78	9.78	0.00	9.55	9.55	0.00	9.28	9.28	0.00	7.71	7.71	0.00
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.29	0.00	10.19	10.19	0.00	9.75	9.75	0.00
00522	11.64	11.63	0.00	11.32	11.32	0.00	11.07	11.07	0.00	10.91	10.90	0.00	10.38	10.38	0.00
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.93	0.00	11.20	11.20	0.00
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.66	0.00	11.05	11.05	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.81	12.81	-0.01	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.32	0.00
00532	13.59	13.58	-0.01	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.59	-0.01	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.17	0.00
00537	13.67	13.67	-0.01	13.53	13.53	0.00	13.44	13.44	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.76	-0.01	13.63	13.63	0.00	13.55	13.55	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.77	-0.01	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.13	0.00	12.68	12.68	0.00	11.61	11.61	0.00
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.15	0.00	12.79	12.79	0.00	12.64	12.64	0.00
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.47	0.00
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.31	0.00	12.68	12.68	0.00
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.09	0.00	14.68	14.68	0.00	12.87	12.87	0.00
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.54	0.00	13.09	13.09	0.00	11.85	11.85	0.00
00572	14.38	14.38	0.00	14.20	14.20	0.00	13.99	13.99	0.00	13.60	13.60	0.00	12.16	12.16	0.00
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.11	0.00	12.46	12.46	0.00
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.47	0.00	14.11	14.11	0.00	12.46	12.46	0.00
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.54	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	12.68	12.68	0.00
00575B	14.89	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.27	0.00	13.99	13.99	0.00
00576	15.83	15.83	0.00	15.44	15.44	0.00	15.10	15.10	0.00	14.71	14.71	0.00	12.91	12.91	0.00
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.19	0.00	14.81	14.81	0.00	12.97	12.97	0.00
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.17	0.00	15.74	15.74	0.00	15.46	15.46	0.00	15.09	15.09	0.00	13.10	13.10	0.00
00582	16.54	16.54	0.00	16.25	16.25	0.00	15.74	15.74	0.00	15.25	15.25	0.00	13.16	13.16	0.00
00583	16.69	16.69	0.00	16.35	16.35	0.00	15.79	15.79	0.00	15.28	15.28	0.00	13.17	13.17	0.00
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.59	0.00	15.29	15.29	0.00	13.22	13.22	0.00
00585	16.17	16.17	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.43	0.00	13.31	13.31	0.00
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.61	0.00	13.44	13.44	0.00
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.37	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	4.92	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.41	8.41	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00
00811	9.79	9.79	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.83	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.22	11.22	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.28	11.28	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.33	11.33	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.00	0.00	8.88	8.88	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.10	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.13	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.77	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.30	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.00	0.00	8.53	8.53	0.00	7.97	7.97	0.00	7.30	7.30	0.00	6.71	6.71	0.00
01005	9.04	9.04	0.00	8.58	8.58	0.00	8.02	8.02	0.00	7.37	7.37	0.00	6.82	6.82	0.00
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.72	0.00	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.00	0.00	8.53	8.53	0.00	7.98	7.98	0.00	7.38	7.38	0.00	6.84	6.84	0.00
01100F	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	8.99	0.00	8.51	8.51	0.00	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.72	0.00	8.46	8.46	0.00	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	8.99	0.00	8.53	8.53	0.00	7.99	7.99	0.00	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.00	8.52	8.52	0.00	7.98	7.98	0.00	7.40	7.40	0.00	6.90	6.90	0.00
01200	3.13	3.13	0.00	2.56	2.56	0.00	2.45	2.45	0.00	2.35	2.35	0.00	2.02	2.02	0.00
01201	3.38	3.37	0.00	3.10	3.09	-0.01	2.94	2.94	0.00	2.84	2.84	0.00	2.34	2.34	0.00
01201F	4.16	4.16	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.41	0.00	2.09	2.07	-0.01	1.90	1.90	0.00	1.81	1.81	0.00	1.72	1.72	0.00
01203	4.26	4.25	-0.01	3.79	3.77	-0.02	3.53	3.53	0.00	3.47	3.47	0.00	3.27	3.27	0.00
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.62	-0.01	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.25	-0.01	3.79	3.77	-0.02	3.53	3.53	0.00	3.47	3.47	0.00	3.26	3.26	0.00
01222	5.94	5.93	-0.01	5.23	5.18	-0.05	4.16	4.16	0.00	3.97	3.97	0.00	3.56	3.56	0.00
01223	5.94	5.93	-0.01	5.23	5.18	-0.05	4.17	4.17	0.00	3.98	3.98	0.00	3.61	3.61	0.00
01224	5.94	5.94	-0.01	5.23	5.19	-0.05	4.20	4.20	0.00	4.02	4.02	0.00	3.69	3.69	0.00
01225	6.10	6.09	-0.01	5.36	5.32	-0.04	4.59	4.59	0.00	4.35	4.35	0.00	3.89	3.89	0.00
01226	6.84	6.83	-0.01	6.04	6.01	-0.03	5.31	5.31	0.00	4.99	4.99	0.00	4.27	4.27	0.00
01227	7.34	7.34	0.00	6.52	6.49	-0.03	5.79	5.79	0.00	5.43	5.43	0.00	4.52	4.52	0.00
01228	7.83	7.83	0.00	7.02	6.99	-0.02	6.21	6.21	0.00	5.96	5.96	0.00	5.67	5.67	0.00
01229	8.99	8.98	-0.01	7.89	7.87	-0.02	7.01	6.94	-0.07	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.38	8.38	-0.01	8.01	7.99	-0.02	7.10	7.01	-0.09	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.63	8.63	0.00	7.94	7.93	-0.02	7.12	7.07	-0.06	6.65	6.65	0.00	6.06	6.06	0.00
01232	8.38	8.37	-0.01	8.00	7.99	-0.01	7.32	7.28	-0.04	6.78	6.78	0.00	6.13	6.13	0.00
01233	8.43	8.42	-0.01	8.02	8.01	-0.02	7.32	7.28	-0.04	6.83	6.83	0.00	6.20	6.20	0.00
01234	8.43	8.42	-0.01	8.02	8.01	-0.02	7.32	7.28	-0.04	6.83	6.83	0.00	6.20	6.20	0.00
01300	3.12	3.10	-0.01	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.53	4.52	0.00	4.06	4.05	0.00	3.82	3.81	0.00	3.64	3.63	-0.01	3.32	3.30	-0.01
01401	6.39	6.38	-0.01	5.53	5.51	-0.02	5.14	5.14	-0.01	4.87	4.85	-0.02	4.39	4.34	-0.05
01402	6.46	6.45	-0.01	5.62	5.60	-0.02	5.24	5.23	-0.01	4.98	4.97	-0.02	4.54	4.50	-0.04
01403	7.40	7.38	-0.02	6.22	6.20	-0.02	5.75	5.74	-0.01	5.47	5.45	-0.02	4.95	4.91	-0.04
01410	8.69	8.68	-0.01	7.58	7.55	-0.03	6.88	6.87	-0.01	6.55	6.51	-0.03	5.86	5.80	-0.05
01411	8.94	8.94	0.00	7.87	7.84	-0.03	7.03	7.01	-0.02	6.67	6.63	-0.03	5.96	5.91	-0.05
01412	9.11	9.10	-0.01	8.63	8.62	-0.02	7.58	7.49	-0.09	7.01	6.98	-0.04	6.25	6.20	-0.05
01413	9.12	9.11	-0.01	8.64	8.63	-0.02	8.08	8.04	-0.04	7.47	7.42	-0.05	6.60	6.56	-0.04
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.68	0.00	9.30	9.30	-0.01	7.97	7.97	0.00
01415	9.12	9.11	-0.01	8.64	8.63	-0.02	8.08	8.04	-0.04	7.47	7.42	-0.05	6.61	6.56	-0.04
01416	9.12	9.11	-0.01	8.64	8.63	-0.02	8.08	8.04	-0.04	7.47	7.42	-0.05	6.61	6.57	-0.04
01417	9.12	9.12	-0.01	8.65	8.63	-0.02	8.08	8.04	-0.04	7.47	7.43	-0.05	6.64	6.60	-0.04
01420	9.10	9.09	-0.01	8.52	8.48	-0.04	7.78	7.76	-0.02	7.42	7.38	-0.04	6.58	6.52	-0.07
01421	8.94	8.94	0.00	8.68	8.68	0.00	8.23	8.23	-0.01	7.95	7.94	-0.01	7.41	7.38	-0.03
01422	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01430	9.14	9.14	-0.01	8.70	8.68	-0.02	8.48	8.46	-0.01	8.19	8.15	-0.04	7.17	7.08	-0.09

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.14	9.14	-0.01	8.71	8.69	-0.02	8.50	8.49	-0.01	8.29	8.26	-0.02	7.99	7.94	-0.05
01432	9.15	9.14	-0.01	8.71	8.71	-0.01	8.58	8.57	-0.01	8.45	8.43	-0.01	8.19	8.16	-0.03
01433	9.15	9.15	-0.01	8.73	8.72	0.00	8.60	8.59	-0.01	8.51	8.50	-0.01	8.38	8.36	-0.02
01440	9.16	9.16	-0.01	8.77	8.76	0.00	8.63	8.62	-0.01	8.48	8.46	-0.02	8.21	8.18	-0.03
01441	9.16	9.15	-0.01	8.76	8.75	-0.01	8.62	8.61	-0.01	8.47	8.46	-0.02	8.21	8.18	-0.03
01442	9.28	9.28	0.00	9.11	9.10	-0.01	8.98	8.97	-0.01	8.85	8.83	-0.02	8.61	8.58	-0.03
01450	9.30	9.30	0.00	9.15	9.14	-0.01	9.04	9.03	-0.01	8.95	8.94	-0.01	8.84	8.83	-0.01
01451	9.19	9.18	-0.01	8.89	8.89	0.00	8.80	8.80	-0.01	8.74	8.73	-0.01	8.68	8.67	-0.01
01452	10.69	10.69	0.00	10.53	10.52	-0.01	10.43	10.42	-0.01	10.37	10.35	-0.01	10.28	10.27	-0.01
01453	10.89	10.89	-0.01	10.71	10.70	-0.01	10.60	10.59	-0.01	10.52	10.51	-0.01	10.43	10.42	-0.01
01454	12.73	12.72	-0.01	12.58	12.57	-0.01	12.48	12.47	-0.02	12.41	12.39	-0.02	12.30	12.28	-0.03
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.85	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	-0.01
01463	13.25	13.25	0.01	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.09	-0.01	13.04	13.02	-0.02
01463F	13.63	13.63	0.00	13.60	13.60	0.01	13.57	13.58	0.01	13.55	13.56	0.02	13.52	13.54	0.02
01463G	13.63	13.63	0.00	13.59	13.60	0.01	13.57	13.58	0.01	13.54	13.56	0.02	13.52	13.54	0.02
01464	13.53	13.52	-0.01	13.42	13.39	-0.02	13.34	13.30	-0.03	13.27	13.23	-0.04	13.19	13.12	-0.07
01465	13.90	13.91	0.01	13.84	13.86	0.02	13.80	13.82	0.02	13.77	13.80	0.03	13.73	13.76	0.03
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01501	5.29	5.29	0.00	5.14	5.14	0.00	5.03	5.03	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01502	5.32	5.32	0.00	5.15	5.15	0.00	5.04	5.04	0.00	4.94	4.94	0.00	4.80	4.80	0.00
01503	5.69	5.69	0.00	5.41	5.41	0.00	5.26	5.26	0.00	5.13	5.13	0.00	4.89	4.89	0.00
01504	5.29	5.29	0.00	5.13	5.13	0.00	5.02	5.02	0.00	4.93	4.93	0.00	4.79	4.79	0.00
01510	6.30	6.30	0.00	6.25	6.25	0.00	6.22	6.22	0.00	6.20	6.20	0.00	6.16	6.16	0.00
01520	7.68	7.68	0.00	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.48	0.00
01530	8.32	8.31	0.00	7.93	7.93	0.00	7.76	7.76	0.00	7.69	7.69	0.00	7.60	7.60	0.00
01531	7.10	7.10	0.00	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.93	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.89	0.00	8.68	8.68	0.00	8.51	8.51	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01541	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01550	8.90	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.13	0.00
01551	8.89	8.89	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.13	8.13	0.00
01552	8.90	8.90	0.00	8.69	8.69	0.00	8.52	8.52	0.00	8.35	8.35	0.00	8.14	8.14	0.00
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.15	5.15	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	6.52	0.00	5.72	5.72	0.00	5.29	5.29	0.00	4.97	4.97	0.00	3.96	3.98	0.02
01701	6.29	6.30	0.00	5.57	5.58	0.00	4.60	4.61	0.01	3.66	3.67	0.01	3.21	3.21	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.89	8.89	0.00	8.77	8.77	0.00	8.31	8.32	0.01	7.14	7.15	0.01	6.22	6.22	0.00
01711	8.87	8.87	0.00	8.76	8.76	0.00	8.36	8.37	0.01	7.52	7.52	0.00	7.03	7.04	0.00
01712	7.79	7.79	0.00	7.68	7.68	0.00	7.59	7.59	0.00	7.52	7.52	0.00	7.44	7.44	0.00
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.04	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.53	0.00	8.86	8.87	0.01	7.64	7.64	0.00
01730	11.07	11.07	0.00	11.01	11.02	0.00	10.96	10.96	0.00	10.66	10.67	0.01	9.39	9.39	0.00
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.00	12.90	12.91	0.01
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.66	0.01
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.28	0.00	14.18	14.18	0.00	13.70	13.71	0.01
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.63	0.01	13.56	13.57	0.01
01751	13.83	13.84	0.00	13.76	13.77	0.00	13.72	13.72	0.01	13.67	13.68	0.01	13.62	13.63	0.01
01752	13.85	13.90	0.04	13.79	13.83	0.04	13.73	13.79	0.06	13.68	13.76	0.08	13.62	13.71	0.10
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.08	14.07	-0.01	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.69	0.00
01800	8.51	8.51	0.00	6.96	6.96	0.01	5.38	5.39	0.02	4.43	4.44	0.01	3.40	3.43	0.02
01810	10.46	10.47	0.00	9.95	9.98	0.03	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00
01820	10.52	10.52	0.00	10.17	10.17	0.00	7.46	7.49	0.03	5.63	5.65	0.02	3.99	4.03	0.04
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.01	0.00	10.68	10.68	0.00	8.15	8.19	0.04	6.04	6.06	0.02	4.23	4.27	0.04
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.98	0.00	11.68	11.68	0.00	9.53	9.58	0.05	8.45	8.46	0.01	7.76	7.78	0.02
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.21	0.00	11.96	11.96	0.00	11.53	11.54	0.00	11.15	11.16	0.01	10.53	10.55	0.02
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.24	0.00	11.99	11.99	0.00	11.66	11.66	0.00	11.39	11.40	0.01	10.79	10.81	0.03
01870	12.25	12.25	0.00	12.00	12.00	0.00	11.67	11.67	0.00	11.41	11.41	0.00	10.92	10.93	0.01
01880	12.35	12.36	0.00	12.12	12.12	0.00	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.00
01900	5.80	5.80	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	0.00	4.64	4.64	0.00
01901	7.15	7.15	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.22	0.00	5.18	5.18	0.00
01902	8.13	8.13	0.00	7.67	7.68	0.00	7.25	7.26	0.00	6.88	6.88	0.00	5.53	5.54	0.00
01911	8.14	8.14	0.00	7.68	7.68	0.00	7.26	7.26	0.00	6.88	6.88	0.00	5.54	5.54	0.00
01920	9.39	9.39	0.00	8.60	8.60	0.00	8.15	8.15	0.00	7.73	7.73	0.00	6.57	6.57	0.00
01921	10.76	10.76	0.00	9.54	9.54	0.00	9.12	9.12	0.00	8.70	8.70	0.00	7.13	7.13	0.01

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.60	11.60	0.00	10.86	10.86	0.00	10.52	10.52	0.00	10.14	10.15	0.01	7.95	7.96	0.01
01940	12.25	12.25	0.00	12.00	12.00	0.00	11.66	11.66	0.00	11.27	11.28	0.01	8.58	8.59	0.01
01950	12.25	12.26	0.00	12.00	12.01	0.00	11.66	11.66	0.00	11.28	11.29	0.01	8.61	8.62	0.01
01953	12.26	12.26	0.00	12.01	12.01	0.00	11.69	11.69	0.00	11.33	11.34	0.01	8.81	8.82	0.01
01954	12.34	12.34	0.00	12.08	12.08	0.00	11.94	11.94	0.00	11.82	11.82	0.00	10.47	10.48	0.01
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.55	0.00	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.32	10.32	0.00	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.89	0.00	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.69	0.00	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	10.99	0.00	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.91	10.91	0.00	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.56	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	9.83	0.00	9.22	9.22	0.00	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	6.85	0.00	6.33	6.33	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.45	0.00	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.62	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.84	0.00
02250	12.38	12.38	0.00	11.92	11.92	0.00	11.25	11.25	0.00	10.45	10.45	0.00	9.81	9.81	0.00
02250B	12.83	12.83	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.89	0.00	10.46	10.46	0.00
02253	12.43	12.43	0.00	12.29	12.30	0.00	11.97	11.97	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.26	0.00	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.38	12.38	0.00	12.07	12.07	0.00	11.64	11.64	0.00	10.94	10.94	0.00	10.44	10.44	0.00
02261	12.35	12.35	0.00	12.06	12.07	0.00	11.65	11.65	0.00	11.06	11.06	0.00	10.80	10.80	0.00
02270	12.50	12.50	0.00	12.35	12.35	0.00	12.21	12.21	0.00	11.97	11.97	0.00	11.74	11.74	0.00
02271	12.53	12.53	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.28	0.00	12.13	12.13	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.16	0.00	13.07	13.07	0.00	12.94	12.94	0.00
02272	12.78	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.38	0.00	12.19	12.19	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.23	0.00	12.81	12.81	0.00	12.47	12.47	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.90	0.00	13.23	13.23	0.00	12.73	12.73	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.98	0.00	12.89	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.35	0.00
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.11	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	3.52	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.92	11.92	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.76	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.62	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.39	0.00	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.94	0.00	13.03	13.03	0.00
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	13.99	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.73	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	1.44	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.68	1.68	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.51	0.00	1.48	1.48	0.00
02910A	2.80	2.80	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	2.11	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	3.15	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.53	3.53	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.23	11.22	-0.01	11.00	10.99	-0.01	10.82	10.81	-0.01	10.66	10.64	-0.02	10.33	10.30	-0.02
N00211	10.58	10.57	-0.01	10.41	10.40	-0.01	10.27	10.26	-0.01	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.22	-0.01	12.85	12.84	-0.02
N00235	13.20	13.18	-0.02	12.95	12.92	-0.03	12.75	12.73	-0.03	12.60	12.58	-0.03	12.41	12.38	-0.03
N00237	13.37	13.35	-0.02	13.12	13.09	-0.03	12.91	12.89	-0.03	12.76	12.74	-0.02	12.58	12.55	-0.02
N00255	14.05	14.04	-0.01	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.28	0.00	6.09	6.09	0.00	5.93	5.93	0.00	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.63	0.00	6.58	6.58	0.00	6.48	6.48	0.00	5.81	5.81	0.00
N01463	13.57	13.57	0.00	13.54	13.55	0.00	13.53	13.53	0.01	13.51	13.52	0.01	13.49	13.50	0.01
N01468	14.09	14.05	-0.03	13.93	13.88	-0.05	13.86	13.82	-0.04	13.82	13.79	-0.03	13.79	13.75	-0.03
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	11.51	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	3.44	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - John Nolen Park Water Quality Project

	100 yr			25 yr			10 yr			5 yr			2 yr		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

W VENICE AVE

W VENICE AVE

W VENICE AVE

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Check Valve

Legend

Existing
- Structures
- Pipes

Proposed
- Structures
- Add Pipes
- Remove Pipes
- Dry Retention
- Project Contributing Area

State of Florida, Maxar, Microsoft

JOHN NOLEN PARK WATER QUALITY PROJECT

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
JANUARY 2025

0 250 500 Feet

N

Kimley»Horn

J-6

Complete Report (not including cost) Ver 4.3.5

Project: John Nolen Park Water Quality Project
Date: 10/27/2024 2:45:21 PM

Site and Catchment Information

Analysis: BMP Analysis

Catchment Name	John Nolen Park
Rainfall Zone	Florida Zone 4
Annual Mean Rainfall	52.00

Pre-Condition Landuse Information

Landuse	Light Industrial: TN=1.200 TP=0.260
Area (acres)	24.09
Rational Coefficient (0-1)	0.07
Non DCIA Curve Number	69.10
DCIA Percent (0-100)	0.00
Nitrogen EMC (mg/l)	1.200
Phosphorus EMC (mg/l)	0.260
Runoff Volume (ac-ft/yr)	7.092
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	10.494
Phosphorus Loading (kg/yr)	2.274

Post-Condition Landuse Information

Landuse	Light Industrial: TN=1.200 TP=0.260
Area (acres)	24.09
Rational Coefficient (0-1)	0.07
Non DCIA Curve Number	69.10
DCIA Percent (0-100)	0.00
Wet Pond Area (ac)	0.00
Nitrogen EMC (mg/l)	1.200
Phosphorus EMC (mg/l)	0.260
Runoff Volume (ac-ft/yr)	7.092
Groundwater N (kg/yr)	0.000
Groundwater P (kg/yr)	0.000
Nitrogen Loading (kg/yr)	10.494
Phosphorus Loading (kg/yr)	2.274

Catchment Number: 1 Name: John Nolen Park

Project: John Nolen Park Water Quality Project
Date: 10/27/2024

Retention Design

Retention Depth (in)	0.578
Retention Volume (ac-ft)	1.160

Watershed Characteristics

Catchment Area (acres)	24.09
Contributing Area (acres)	24.090
Non-DCIA Curve Number	69.10
DCIA Percent	0.00
Rainfall Zone	Florida Zone 4
Rainfall (in)	52.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	
Provided TN Treatment Efficiency (%)	66
Required TP Treatment Efficiency (%)	
Provided TP Treatment Efficiency (%)	66

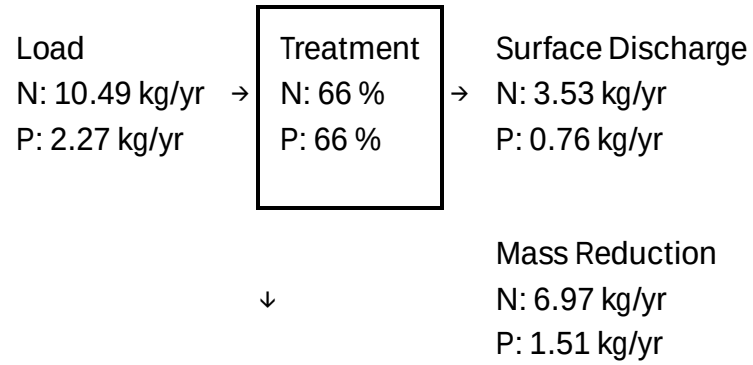
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	0.000
Media P Reduction (%)	0.000

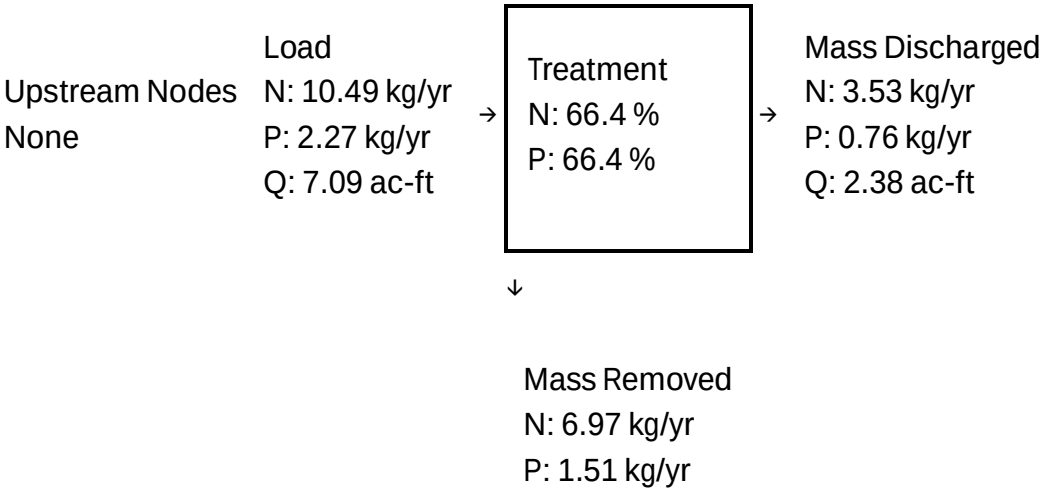
Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	6.969
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	1.510
TP Concentration (mg/L)	0.000

Load Diagram for None (stand-alone)



Load Diagram for None (As Used In Routing)



Summary Treatment Report Version: 4.3.5

Project: John Nolen Park Water Quality Project

Date:10/27/2024

Analysis Type: BMP Analysis

BMP Types:

Catchment 1 - (John Nolen Park)

None

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Outlet

Summary Report

Nitrogen

Surface Water Discharge		
Total N post load	10.49 kg/yr	
Percent N load reduction	66 %	
Provided N discharge load	3.53 kg/yr	7.77 lb/yr
Provided N load removed	6.97 kg/yr	15.37 lb/yr

Phosphorus

Surface Water Discharge		
Total P post load	2.274 kg/yr	
Percent P load reduction	66 %	
Provided P discharge load	.764 kg/yr	1.68 lb/yr
Provided P load removed	1.51 kg/yr	3.329 lb/yr

- FDEP Statewide BMP Efficiencies
- ADS SC-310 Chamber Full Detail Sheet

Appendix K – Specifications

BMP Type	Standard BMPs	TP % Reduction	TN % Reduction	Data Source
Baffle Boxes	**Baffle boxes (gravity-based separators)—First generation[3]**	2.30 %	0.50 %	Final report, Contract S0236, *Effectiveness of baffle boxes plus media filter,* by GPI Southeast 2010; *Demonstration bio media for ultra-urban stormwater treatment,* by University of Central Florida (UCF) for Florida Department of Transportation (FDOT); and Final report, Contract S0497, *Baffle box with media filtration installation and effectiveness evaluation* by City of Casselberry, 2020 BMPTRAINS User's Manual (Wanielista, Harper, Livingston, Hardin, Kuzlo, and Gogo-Abite)
	Baffle boxes (gravity-based separators)—Second generation[3]	15.5 %	19.05 %	
	Baffle boxes (gravity-based separators)—Second generation plus media filter[2]	Media Mix Efficiency (see **Table 2** for media mix efficiencies from the 2020 or newer BMPTRAINS User's Manual and unlisted media mixes) followed by second generation baffle box efficiency above	Media Mix Efficiency (see **Table 2** for media mix efficiencies from the 2020 or newer BMPTRAINS User's Manual and unlisted media mixes) followed by second generation baffle box efficiency above	
Hydrodynamic Separators	**Hydrodynamic separators (including vortex and continuous deflector separators [CDS] units)**	10 %	N/A	Final Report, Contract S0095, Sanford Stormceptor Project, 2008; Final Report, Contract WM793, Broadway Outfall Project, 2006

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SC-310 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-310.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

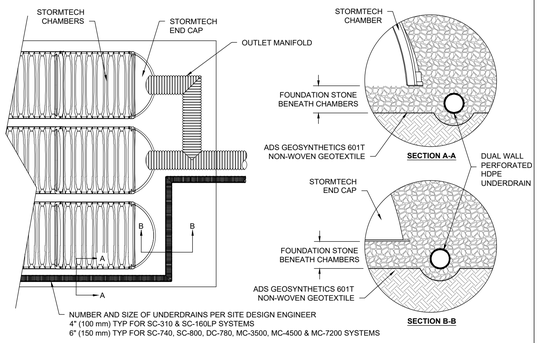
1. STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

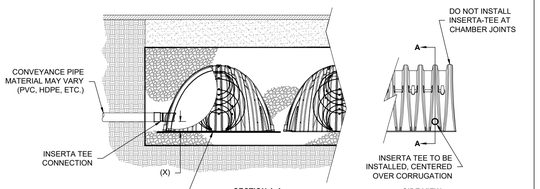
1. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



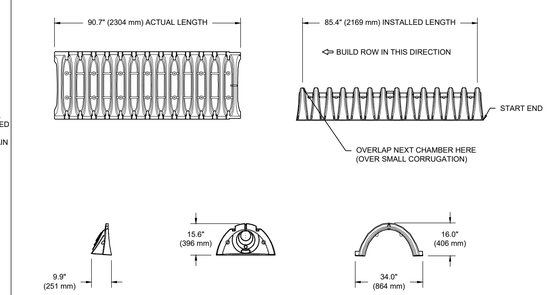
5 UNDERDRAIN DETAIL



NOTES:
- PART NUMBERS WILL VARY BASED ON INLET PIPE MATERIALS. CONTACT STORMTECH FOR MORE INFORMATION.
- CONTACT ADS ENGINEERING SERVICES IF INSERTA TEE INLET MUST BE RAISED AS NOT ALL INVERTS ARE POSSIBLE.

CHAMBER	MAX DIAMETER OF INSERTA TEE	HEIGHT FROM BASE OF CHAMBER (X)
SC-310	6" (150 mm)	4" (100 mm)
SC-740	10" (250 mm)	4" (100 mm)
SC-800	10" (250 mm)	4" (100 mm)
DC-780	10" (250 mm)	4" (100 mm)
MC-3500	12" (300 mm)	6" (150 mm)
MC-4500	12" (300 mm)	8" (200 mm)
MC-7200	12" (300 mm)	8" (200 mm)
INSERTA TEE FITTINGS AVAILABLE FOR SDR 26, SDR 35, SCH 40 IPS GASKETED & SOLVENT WELD, N-12, HP STORM, C-900 OR DUCTILE IRON		

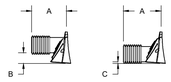
6 INSERTA-TEE SIDE INLET DETAIL



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	34.0" X 16.0" X 85.4"	(864 mm X 406 mm X 2169 mm)
CHAMBER STORAGE	14.7 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	31.0 CUBIC FEET	(0.88 m³)
WEIGHT	35.0 lbs.	(16.8 kg)

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS



PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC310EPE06T / SC310EPE06TPC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	---
SC310EPE06B / SC310EPE06BPC			---	0.5" (13 mm)
SC310EPE08T / SC310EPE08TPC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	---
SC310EPE08B / SC310EPE08BPC			---	0.6" (15 mm)
SC310EPE10T / SC310EPE10TPC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	---
SC310EPE10B / SC310EPE10BPC			---	0.7" (18 mm)
SC310ECEZ*	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

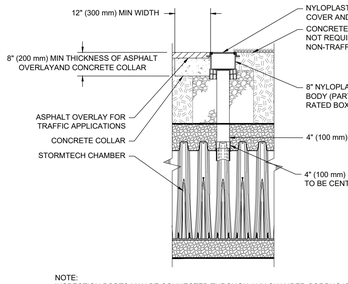
* FOR THE SC310ECEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

2 SC-310 TECHNICAL SPECIFICATIONS



3 SC-310 ISOLATOR ROW PLUS DETAIL



NOTE:
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

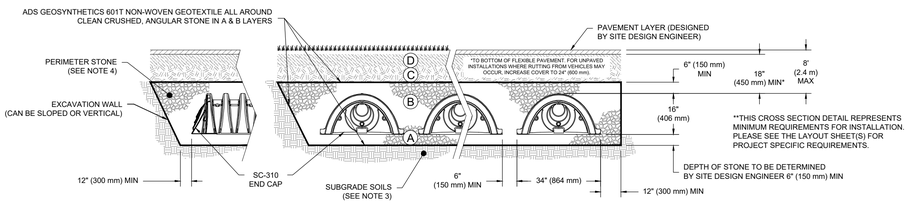
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

4 4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

1 SC-310 CROSS SECTION DETAIL

DRAWN: JLM | DATE: 01/09/24
REVIEWED: JLM | PROJECT NO:
REV: | NOT TO SCALE

SC-310 STANDARD DETAIL

StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026

Advanced Drainage Systems, Inc.

SHEET 1

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON REFERENCED STANDARDS. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. UNLESS THE PLANS ARE SIGNED AND SEALED BY THE SITE DESIGN ENGINEER. THE SITE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION AND SEALING THE DOCUMENT. IT IS THE SITE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

Appendix D – Long Range Resilient Analysis Technical Memorandum

LONG RANGE RESILIENT ANALYSIS

TECHNICAL MEMORANDUM



Venice, FL
City on the Gulf

Kimley»Horn
Expect More. Experience Better.

DECEMBER 2024

Prepared For:

401 West Venice Ave
Venice, FL 34285

Prepared By:

Registry No. 35106
© Kimley-Horn and Associates, Inc.
1800 2nd Street, Suite 900
Sarasota, FL 34236
(941) 379-7600
KH Project No. 148402027

Professional Engineer Certification

Long Range Resilience Analysis Technical Memorandum

Project: City of Venice Stormwater Master Plan Update

I hereby certify that I am a registered professional engineer in the State of Florida practicing with Kimley-Horn and Associates Inc., and that I have prepared or approved the evaluation, findings, opinions, conclusions, or technical advice for this project.

_____

MOLLY CHARLENE WILLIAMS, P.E. # 54281
Kimley-Horn and Associates, Inc.
1800 2nd Street, Suite 900
Sarasota, Florida 34236
Registry No. 35106

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1.0 Introduction

The City of Venice Stormwater Master Plan update includes conceptual, sustainable stormwater projects to improve both water quality and reduce flood risk for the current and future conditions within the City. While the ten (10) projects previously proposed for the City of Venice Stormwater Master Plan update show improvements in current conditions, it is important to account for projected Sea Level Rise (SLR) and analyze these projects under future conditions. In the future conditions analysis, the ten (10) projects are included in a single ICPR4 model to evaluate the cumulative benefits of the projects; illustrate that there are no conflicts or negative interactions between projects; and provide an assessment of the cumulative impacts for both existing and future conditions.

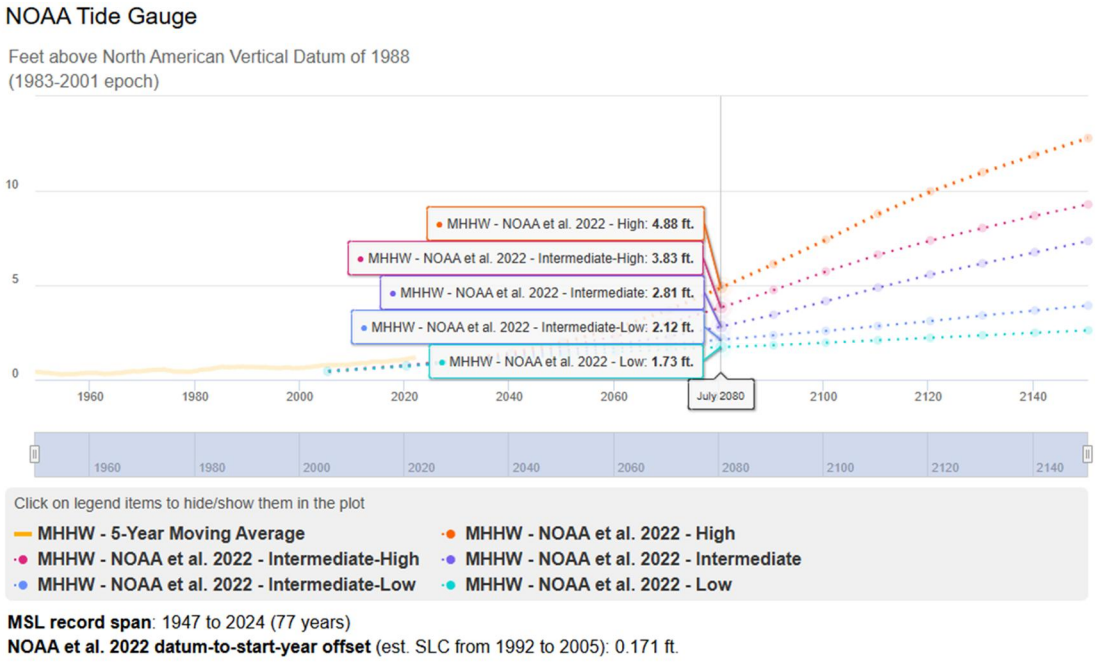
2.0 Sea Level Rise Estimation

It is imperative to account for future SLR in the state of Florida as tailwater conditions may have significant effects on modeling efforts and flooding impacts. Changes in tailwater conditions due to SLR can also impact the future effectiveness of the current proposed projects. Florida's Sea Level Impact Projection (SLIP) rule 62S-7.012 states that projects should account for the SLR expected over 50 years using the intermediate-high predictions.

In 2021, a resilience plan was developed for the City of Venice. This report analyzes the vulnerabilities to coastal flooding and developed strategies for a more resilient community. The 2021 Resilience Plan analyzed sea level rise conditions of 1.5 feet and 3.0 feet. Since this plan was developed, sea level rise projections have been revised to better reflect future conditions. The newest publication of sea level rise projections is from 2022 and is utilized for this resilience analysis.

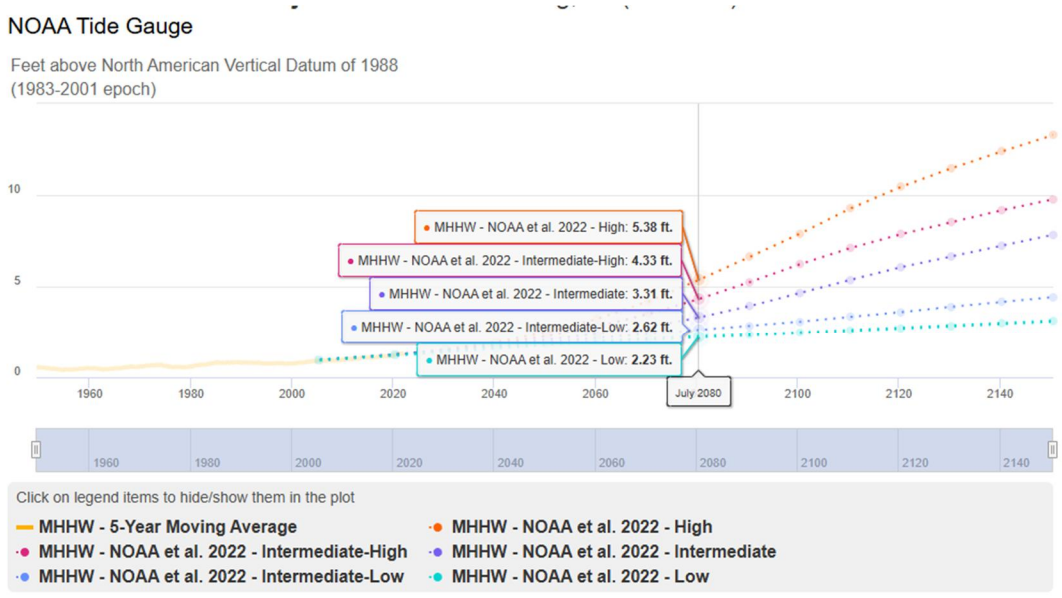
The tailwater conditions used for the current conditions is 1.42 feet (NAVD88). For the Long-Range Resilience Analysis, the 2080 intermediate-high projected SLR was used to determine future tailwater conditions. Using the National Oceanic and Atmospheric Administration (NOAA) gauge data and the U.S. Army Corps of Engineers (USACE) SLIP calculator, a tailwater condition of 4.08 feet (NAVD88) was calculated by interpolating gauge data retrieved from the St. Petersburg (8726520) and the Fort Myers (8725520) gauges. Please see **Figure 1** and **Figure 2** on the following page for USACE SLIP data for each gauge used in this analysis.

Figure 1: Fort Myers Gauge (8725520) Sea Level Data and Projections



MSL record span: 1947 to 2024 (77 years)
NOAA et al. 2022 datum-to-start-year offset (est. SLC from 1992 to 2005): 0.171 ft.

Figure 2: St. Petersburg Gauge (8726520) Sea Level Data and Projections



MSL record span: 1947 to 2024 (77 years)
NOAA et al. 2022 datum-to-start-year offset (est. SLC from 1992 to 2005): 0.169 ft.

3.0 Methodology

Stormwater modeling was performed using the Interconnected Channel and Pond Routing Version 4 (ICPR4) software. GIS ArcPro was used to map the level pool floodplain by basin in the City of Venice for the existing conditions and the future conditions based on the calculated 2080 tailwater. See **Figure 1** and **Figure 2** on previous page.

Using the existing ICPR4 model supplied by the City of Venice, boundary stages and initial stages in nodes were revised to reflect a future 2080 tailwater condition of 4.08 feet (NAVD88). This model is known as the Baseline Future Conditions model. Refer to **Appendix B** to view the Baseline Future Conditions floodplain mapping and for the node stage comparison table.

Eight (8) of the ten (10) proposed improvement projects were incorporated into the Baseline Future Conditions model to create the Improvement Alternatives Under Future Conditions model. Refer to **Appendix C** to view the Improvement Alternatives Under Future Conditions floodplain mapping and node stage comparison table. The projects implemented in the Improvement Alternatives Under Future Conditions model include:

- Outfall 12 Improvements
- Matanzas Street Ditch Flood Control
- Downtown Flood Impact and Water Quality Improvements
- Outfall 10 Improvements
- Outfall 15 Improvements
- Venezia Park Water Quality Project
- Prentiss French Park Water Quality Project
- John Nolen Park Water Quality Project

Two (2) projects were excluded from the Improvement Alternatives Under Future Conditions model. The Outfall 22 Improvements and the Home Park Road Roadway Improvement projects are not reflected in this model. The Outfall 22 Improvements Project is solely a water quality improvement project and has a negligible impact on peak flood stages and therefore is not modeled. The Home Park Road Roadway Improvement Project requires additional survey, data collection, and further roadway analysis to determine the extents of the road and berm improvements. This project would reduce the depth of flooding by elevating the road; providing health, safety, and welfare benefits to the adjacent community by reinforcing the structural stability of the roadway and improving the reliability of personal and emergency vehicle access to homes during storm

events. The displacement volume from elevating the roadway is de minimis relative to the flow and volume in the Hatchett Creek Waterway. This project will minimize impacts surrounding communities currently experience. Please refer to **Appendix A** for a map depiction of the eight (8) projects modeled and the two (2) projects excluded from modeling efforts.

After reviewing these results, the eight (8) projects that were modeled were then refined to maximize benefits and minimize negative impacts due to the 2080 projected SLR tailwater condition. This model is referred to as the Long-Range Resilient Alternatives model. Please refer to **Appendix D** to view the Long-Range Resilient Alternatives floodplain mapping and node stage comparison table.

Once the Long-Range Resilient Alternatives model was refined, the projects were incorporated into the original existing conditions model with a tailwater of 1.42 feet to ensure the projects provide benefits under current conditions. This model is referred to as the Long-Range Resilient Alternatives Under Existing Conditions. Please refer to **Appendix E** to view the Long-Range Resilient Alternatives Under Existing Conditions floodplain mapping and node stage comparison table.

The refined improvement alternatives in existing conditions and future conditions were both modeled using the 2-Year 24-Hour, 5-Year 24-Hour, 10-Year 24-Hour, 25-Year 24-Hour, 100-Year 24-Hour, 25-Year 72-Hour, and 100-Year 72-Hour design storms. The lower frequency design storm events of 25-Year 72-Hour and 100-Year 72-Hour were included in this analysis to provide a conservative approach to additional resiliency analysis. Please see **Table 1** below for the rainfall amounts used in the resiliency analysis.

Table 1: NOAA Atlas 14 Point Precipitation Frequency Estimates

Duration	Design Storm				
	100-Year	**25-Year**	**10-Year**	**5-Year**	**2-Year**
24-Hour	11.20 in.	8.19 in.	6.59 in.	5.58 in.	4.54 in.
72-Hour	14.40 in.	10.60 in.	-	-	-

References

1. USACE SLIP Calculator

   https://climate.sec.usace.army.mil/slat/

2. NOAA Sea Level Trends Gauge Data -

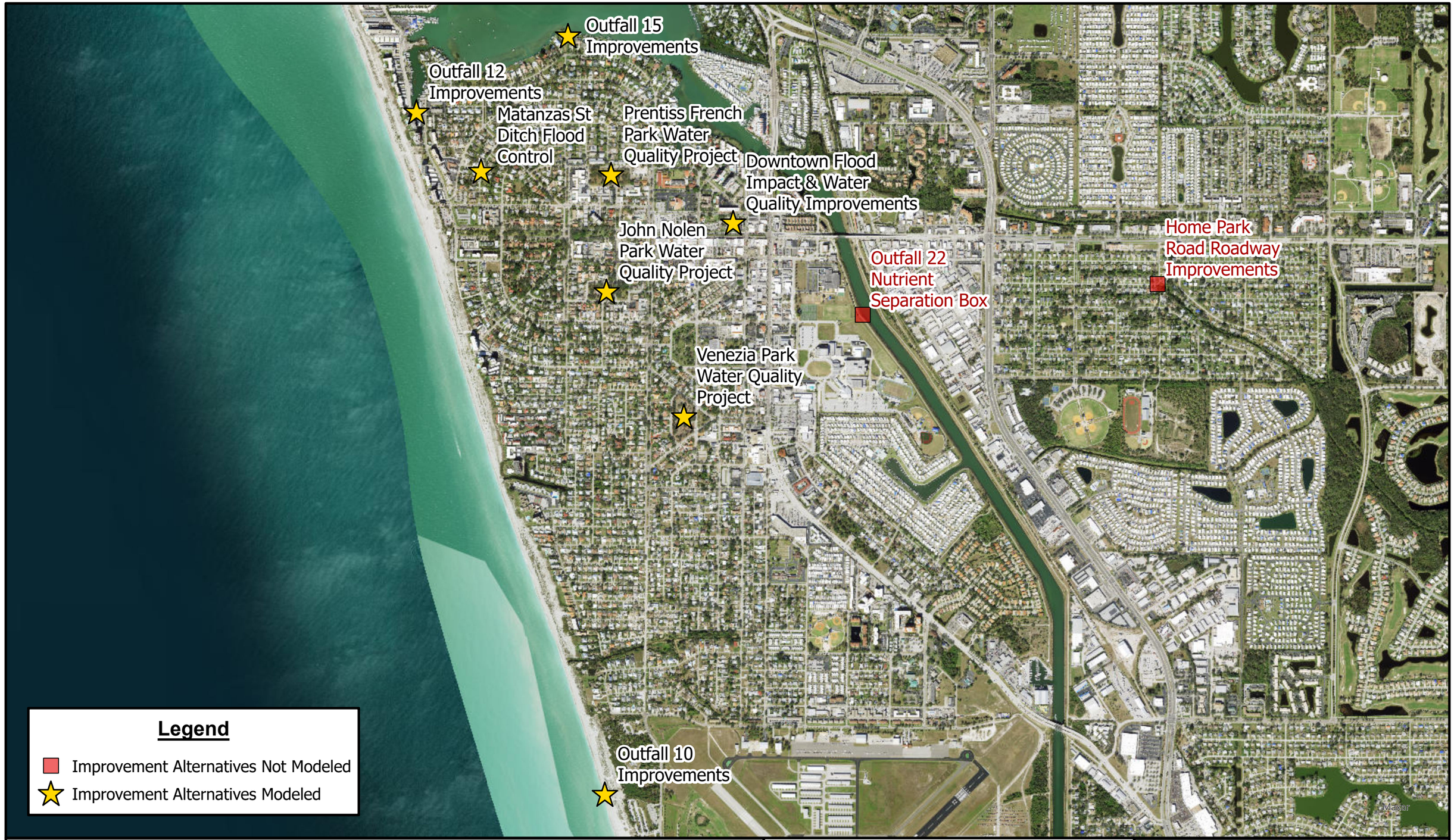
   https://tidesandcurrents.noaa.gov/sltrends/sltrends.html

3. NOAA Atlas 14 Point Precipitation Frequency Estimates -

   https://hdsc.nws.noaa.gov/pfds/pfds_map_cont.html?bkmrk=fl

A-1 Modeled Improvement Alternatives Map

Appendix A – Modeled Improvement Alternatives Map



IMPROVEMENT ALTERNATIVES MODELED

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 1,500 3,000 Feet

N

Kimley»Horn

A-1

B-1 100-YR 72-HR Floodplain Map

B-2 100-YR 24-HR Floodplain Map

B-3 25-YR 72-HR Floodplain Map

B-4 25-YR 24-HR Floodplain Map

B-5 10-YR 24-HR Floodplain Map

B-6 5-YR 24-HR Floodplain Map

B-7 2-YR 24-HR Floodplain Map

- Node Maximum Stage Tables

Appendix B – Baseline Future Conditions

Legend

- ECM 100-Year 72-Hour Floodplain
- ECM SLR 100-Year 72-Hour Floodplain

Maxar

EXISTING CONDITIONS - 2080 SEA LEVEL RISE

100-YEAR 72-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

B-1

Legend

- ECM 100-Year 24-Hour Floodplain
- ECM SLR 100-Year 24-Hour Floodplain

Maxar

EXISTING CONDITIONS - 2080 SEA LEVEL RISE

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

B-2

Legend

- ECM 25-Year 72-Hour Floodplain
- ECM SLR 100-Year 72-Hour Floodplain

Maxar

EXISTING CONDITIONS - 2080 SEA LEVEL RISE

25-YEAR 72-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

B-3

Legend

ECM 25-Year 24-Hour Floodplain

ECM SLR 25-Year 24-Hour Floodplain

Maxar

EXISTING CONDITIONS - 2080 SEA LEVEL RISE

25-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

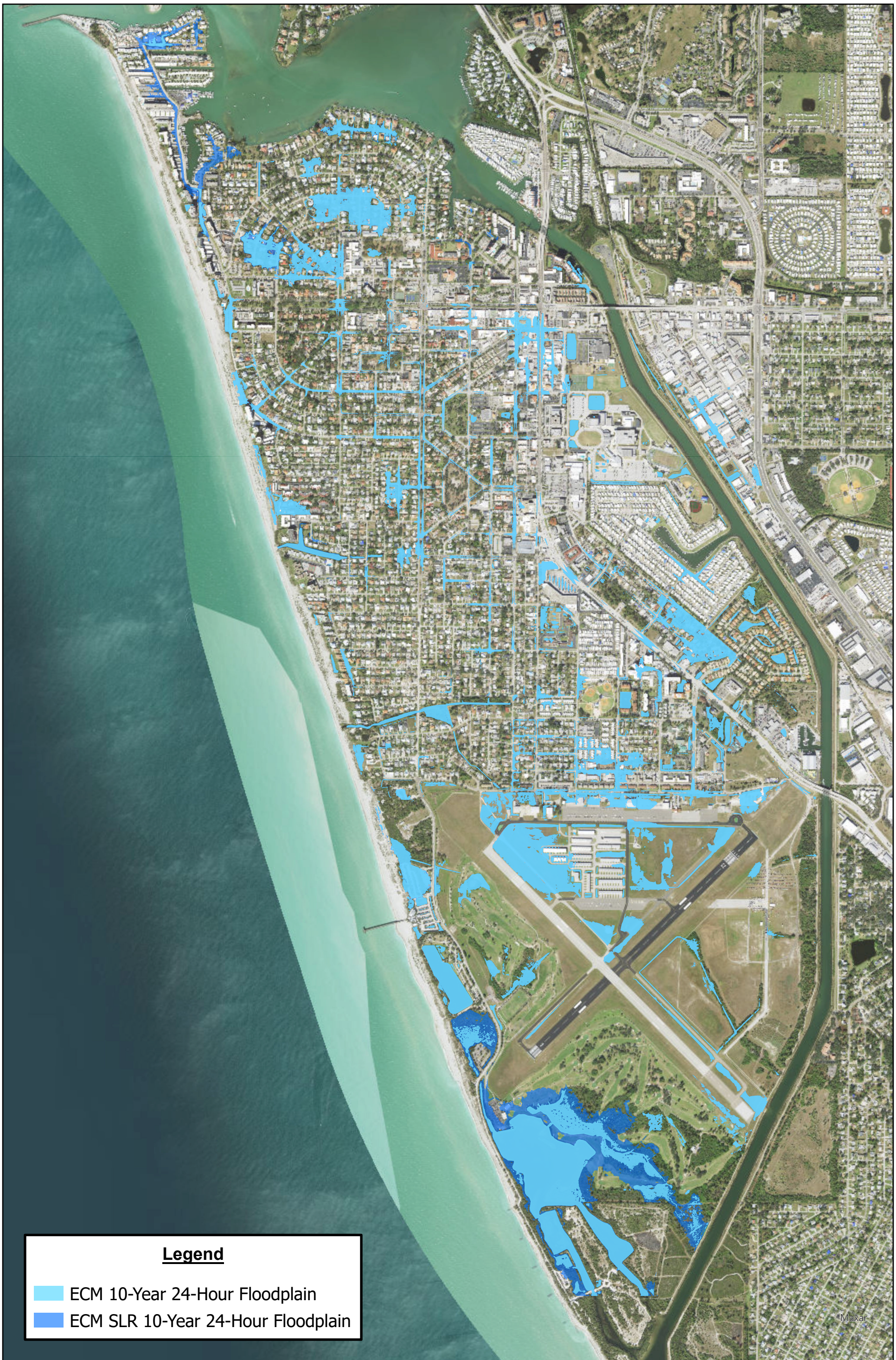
DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

B-4



EXISTING CONDITIONS - 2080 SEA LEVEL RISE
10-YEAR 24-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
DECEMBER 2024

0 500 1,000
Feet

N

Kimley»Horn

B-5

Legend

ECM 5-Year 24-Hour Floodplain

ECM SLR 5-Year 24-Hour Floodplain

Maxar

EXISTING CONDITIONS - 2080 SEA LEVEL RISE

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

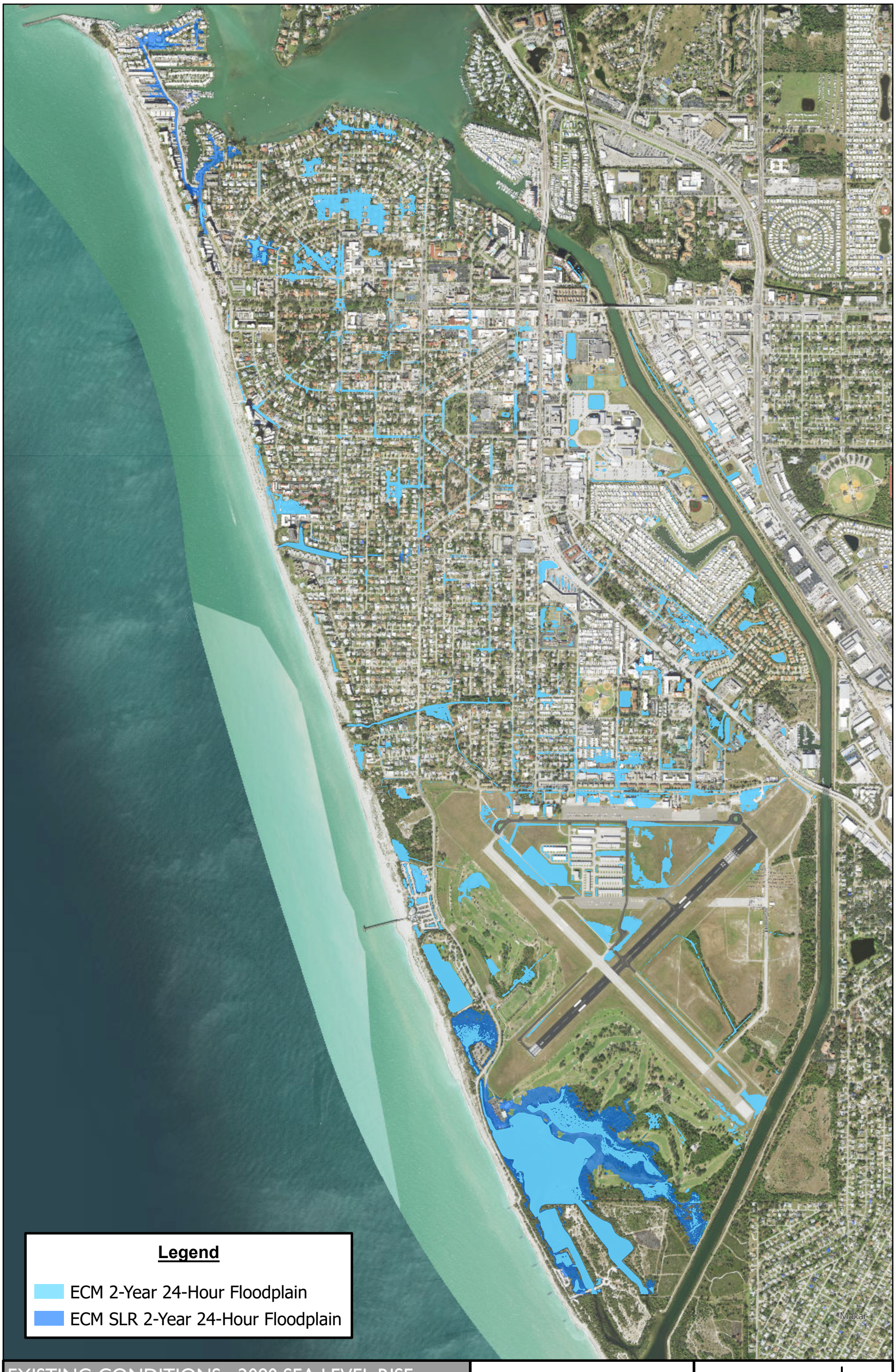
DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

B-6



EXISTING CONDITIONS - 2080 SEA LEVEL RISE

2-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

B-7

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
00100	8.42	8.42	0.00	8.02	8.01	-0.01	7.32	7.29	-0.03	6.41	6.38	-0.02	5.51	5.51	0.00
00100A	9.79	9.78	-0.01	9.57	9.56	-0.02	9.36	9.32	-0.04	8.89	8.80	-0.09	7.70	7.64	-0.05
00100B	9.83	9.82	-0.01	9.60	9.59	-0.02	9.38	9.34	-0.04	8.92	8.84	-0.08	7.90	7.81	-0.09
00100C	9.88	9.87	-0.01	9.63	9.62	-0.02	9.40	9.36	-0.04	8.93	8.86	-0.08	7.99	7.87	-0.13
00200	9.91	9.90	-0.01	9.65	9.63	-0.02	9.41	9.37	-0.04	8.94	8.87	-0.07	8.08	7.92	-0.17
00200A	6.29	6.11	-0.17	6.19	6.00	-0.19	6.10	5.91	-0.19	5.96	5.78	-0.19	5.80	5.62	-0.18
00204	10.41	10.39	-0.02	10.09	10.07	-0.02	9.84	9.81	-0.03	9.64	9.61	-0.03	9.32	9.25	-0.07
00210	10.67	10.67	-0.01	10.40	10.39	-0.01	10.19	10.18	-0.01	10.02	10.00	-0.02	9.74	9.70	-0.04
00212	11.81	11.81	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.19	11.19	0.00	10.96	10.95	-0.01
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.02	0.00	11.95	11.95	0.00	11.81	11.81	0.00
00216	12.04	12.04	0.00	11.75	11.75	0.00	11.53	11.53	0.00	11.37	11.36	0.00	11.13	11.13	-0.01
00217	12.22	12.22	0.00	11.92	11.92	0.00	11.71	11.71	0.00	11.54	11.54	0.00	11.33	11.32	0.00
00220	12.44	12.44	0.00	12.14	12.14	0.00	11.92	11.92	0.00	11.76	11.76	0.00	11.56	11.56	0.00
00221	12.70	12.70	0.00	12.42	12.42	0.00	12.21	12.21	0.00	12.05	12.05	0.00	11.86	11.85	0.00
00231	13.43	13.43	0.00	13.32	13.32	0.00	13.25	13.25	0.00	13.19	13.19	0.00	13.09	13.09	0.00
00232	13.73	13.73	0.00	13.63	13.63	0.00	13.56	13.56	0.00	13.51	13.51	0.00	13.43	13.43	0.00
00233	13.19	13.19	0.00	12.93	12.93	0.00	12.75	12.75	0.00	12.63	12.63	0.00	12.53	12.53	0.00
00234	12.90	12.90	0.00	12.78	12.78	0.00	12.70	12.70	0.00	12.63	12.63	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.62	0.00	13.38	13.38	0.00	13.18	13.18	0.00	13.03	13.03	0.00	12.81	12.81	0.00
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.76	0.00	13.54	13.54	0.00
00242	13.79	13.79	0.00	13.56	13.56	0.00	13.36	13.36	0.00	13.22	13.22	0.00	12.99	13.00	0.00
00250	14.06	14.06	0.00	13.88	13.88	0.00	13.70	13.70	0.00	13.57	13.57	0.00	13.33	13.33	0.00
00251	13.77	13.77	0.00	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.59	0.00	13.54	13.54	0.00
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.76	5.06	1.30	2.92	4.65	1.73	2.45	4.47	2.02	2.19	4.38	2.19	1.94	4.29	2.35
00501	3.83	5.10	1.27	2.98	4.67	1.69	2.50	4.49	1.99	2.24	4.39	2.16	1.97	4.30	2.33
00502	4.34	5.34	1.01	3.43	4.85	1.42	2.93	4.61	1.68	2.64	4.49	1.85	2.31	4.36	2.05
00510	5.37	5.58	0.21	5.04	5.30	0.26	4.58	5.15	0.57	4.04	5.04	1.00	3.34	4.87	1.53
00511	10.01	10.01	0.00	9.70	9.70	0.00	8.80	8.80	0.00	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	7.06	0.03	6.62	6.69	0.07	6.00	6.37	0.37	5.05	6.03	0.98	3.88	5.45	1.58
00516	7.84	7.85	0.02	7.23	7.28	0.05	6.56	6.83	0.27	5.72	6.44	0.72	4.58	5.80	1.22
00520	10.02	10.02	0.00	9.78	9.78	0.00	9.55	9.58	0.03	9.28	9.38	0.10	7.71	8.69	0.98
00521	10.64	10.64	0.00	10.43	10.43	0.00	10.29	10.30	0.00	10.19	10.20	0.01	9.75	9.95	0.21
00522	11.64	11.64	0.00	11.32	11.32	0.00	11.07	11.08	0.00	10.91	10.92	0.01	10.38	10.58	0.21
00530	12.58	12.58	0.00	12.38	12.38	0.00	12.17	12.17	0.00	11.93	11.94	0.01	11.20	11.40	0.21
00530x	12.17	12.17	0.00	11.99	11.99	0.00	11.82	11.82	0.00	11.66	11.67	0.01	11.05	11.25	0.20
00531	12.81	12.81	0.00	12.64	12.64	0.00	12.53	12.53	0.00	12.45	12.45	0.00	12.32	12.33	0.01
00532	13.59	13.59	0.00	13.44	13.44	0.00	13.35	13.35	0.00	13.27	13.27	0.00	13.17	13.17	0.00
00533	13.60	13.60	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.17	13.18	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
00537	13.67	13.67	0.00	13.53	13.53	0.00	13.44	13.45	0.00	13.37	13.37	0.00	13.27	13.27	0.00
00538	14.51	14.51	0.00	14.45	14.45	0.00	14.41	14.41	0.00	14.38	14.38	0.00	14.34	14.34	0.00
00539	14.59	14.59	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.46	14.46	0.00	14.42	14.42	0.00
00540	14.08	14.08	0.00	14.01	14.01	0.00	13.97	13.97	0.00	13.93	13.93	0.00	13.90	13.90	0.00
00541A	14.19	14.19	0.00	14.12	14.12	0.00	14.08	14.08	0.00	14.05	14.05	0.00	13.99	13.99	0.00
00541Y	14.45	14.45	0.00	14.39	14.39	0.00	14.35	14.35	0.00	14.32	14.32	0.00	14.25	14.25	0.00
00542	14.77	14.77	0.00	14.72	14.72	0.00	14.69	14.69	0.00	14.67	14.67	0.00	14.63	14.63	0.00
00543	14.94	14.94	0.00	14.89	14.89	0.00	14.85	14.85	0.00	14.81	14.81	0.00	14.77	14.77	0.00
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.54	0.00
00545	15.14	15.14	0.00	15.06	15.06	0.00	15.00	15.00	0.00	14.95	14.95	0.00	14.84	14.84	0.00
00546	13.77	13.77	0.00	13.63	13.63	0.00	13.55	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.78	0.00	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.54	0.00	14.50	14.50	0.00	14.48	14.48	0.00	14.47	14.47	0.00	14.45	14.45	0.00
00560	13.71	13.71	0.00	13.45	13.45	0.00	13.13	13.14	0.01	12.68	12.70	0.02	11.61	11.84	0.23
00561	13.72	13.72	0.00	13.47	13.47	0.00	13.15	13.16	0.01	12.79	12.79	0.01	12.64	12.66	0.02
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.57	13.58	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.47	12.76	0.29
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.31	14.32	0.01	12.68	12.98	0.30
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.09	15.10	0.00	14.68	14.69	0.02	12.87	13.20	0.32
00571	14.16	14.16	0.00	13.90	13.90	0.00	13.54	13.55	0.01	13.09	13.11	0.02	11.85	12.10	0.24
00572	14.38	14.38	0.00	14.20	14.21	0.00	13.99	14.00	0.00	13.60	13.62	0.02	12.16	12.42	0.26
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.48	0.00	14.11	14.13	0.02	12.46	12.74	0.29
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.47	14.48	0.00	14.11	14.13	0.02	12.46	12.75	0.29
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.54	14.55	0.00	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.29	0.01	12.68	12.99	0.30
00575B	14.89	14.90	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.27	14.28	0.01	13.99	13.99	0.00
00576	15.83	15.84	0.00	15.44	15.44	0.00	15.10	15.11	0.00	14.71	14.73	0.02	12.91	13.24	0.33
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.19	15.20	0.00	14.81	14.83	0.02	12.97	13.30	0.34
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.17	16.18	0.00	15.74	15.75	0.00	15.46	15.46	0.01	15.09	15.11	0.02	13.10	13.46	0.36
00582	16.54	16.54	0.00	16.25	16.26	0.01	15.74	15.75	0.02	15.25	15.29	0.03	13.16	13.53	0.37
00583	16.69	16.69	0.00	16.35	16.36	0.01	15.79	15.81	0.02	15.28	15.32	0.04	13.17	13.54	0.37
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.59	15.60	0.00	15.29	15.31	0.02	13.22	13.59	0.37
00585	16.17	16.18	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.43	15.45	0.02	13.31	13.69	0.38
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.62	0.01	13.44	13.84	0.40
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.37	7.42	0.05	6.44	6.54	0.10	5.87	6.04	0.17	5.54	5.77	0.23	5.17	5.48	0.32
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.92	5.21	0.29	4.00	4.71	0.72	3.42	4.49	1.08	3.10	4.39	1.30	2.78	4.31	1.53
00802	8.41	8.44	0.03	7.45	7.50	0.06	6.85	6.94	0.09	6.49	6.61	0.12	6.08	6.25	0.17
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
00811	9.79	9.81	0.02	8.58	8.62	0.04	7.85	7.92	0.06	7.42	7.50	0.08	6.95	7.06	0.11
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.83	9.85	0.02	8.64	8.67	0.04	7.92	7.98	0.06	7.50	7.58	0.08	7.03	7.14	0.10
00821	11.22	11.25	0.02	9.37	9.41	0.04	8.52	8.58	0.06	8.00	8.08	0.08	7.43	7.53	0.10
00823	11.28	11.30	0.02	9.48	9.52	0.04	8.71	8.77	0.05	8.26	8.32	0.06	7.79	7.86	0.07
00824	11.33	11.35	0.02	9.62	9.65	0.03	9.00	9.04	0.03	8.72	8.75	0.03	8.55	8.54	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.00	10.02	0.02	8.88	8.91	0.03	8.16	8.21	0.05	7.74	7.81	0.07	7.28	7.37	0.09
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.10	10.12	0.02	8.96	8.99	0.03	8.26	8.31	0.05	7.86	7.92	0.06	7.43	7.51	0.08
008331	10.13	10.15	0.02	8.99	9.02	0.03	8.30	8.34	0.04	7.90	7.96	0.06	7.48	7.55	0.07
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.76	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.30	6.53	0.22	5.77	6.13	0.37	5.27	5.65	0.39	4.98	5.31	0.33	4.66	4.90	0.24
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.00	9.01	0.01	8.53	8.56	0.03	7.97	8.06	0.08	7.30	7.43	0.14	6.71	6.89	0.18
01005	9.04	9.04	0.01	8.58	8.60	0.03	8.02	8.11	0.08	7.37	7.49	0.12	6.82	6.97	0.15
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.72	8.79	0.06	7.90	7.90	0.00	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.00	9.01	0.01	8.53	8.55	0.03	7.98	8.06	0.08	7.38	7.49	0.11	6.84	6.99	0.14
01100F	9.00	9.00	0.01	8.52	8.55	0.03	7.98	8.06	0.08	7.53	7.53	0.00	7.35	7.35	0.00
01100G	8.99	9.00	0.01	8.51	8.54	0.03	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.72	8.73	0.00	8.46	8.47	0.02	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.99	9.00	0.01	8.53	8.55	0.03	7.99	8.07	0.08	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.00	0.01	8.52	8.55	0.03	7.98	8.06	0.08	7.40	7.50	0.10	6.90	7.02	0.12
01200	3.13	4.09	0.96	2.56	4.08	1.52	2.45	4.08	1.64	2.35	4.08	1.74	2.02	4.08	2.07
01201	3.38	4.13	0.75	3.10	4.10	1.00	2.94	4.09	1.15	2.84	4.09	1.25	2.34	4.09	1.75
01201F	4.16	4.22	0.06	4.13	4.17	0.04	4.11	4.14	0.04	4.09	4.13	0.04	4.08	4.11	0.04
01202	2.41	4.09	1.68	2.09	4.08	2.00	1.90	4.08	2.19	1.81	4.08	2.28	1.72	4.08	2.36
01203	4.26	4.49	0.24	3.79	4.21	0.42	3.53	4.14	0.61	3.47	4.13	0.65	3.27	4.12	0.85
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.62	5.64	0.01	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.25	4.49	0.24	3.79	4.21	0.42	3.53	4.13	0.61	3.47	4.12	0.66	3.26	4.11	0.85
01222	5.94	5.95	0.01	5.23	5.30	0.07	4.16	4.65	0.49	3.97	4.56	0.59	3.56	4.42	0.86

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
01223	5.94	5.95	0.01	5.23	5.30	0.07	4.17	4.65	0.48	3.98	4.56	0.59	3.61	4.42	0.81
01224	5.94	5.95	0.01	5.23	5.31	0.07	4.20	4.65	0.46	4.02	4.57	0.55	3.69	4.43	0.74
01225	6.10	6.11	0.01	5.36	5.41	0.05	4.59	4.82	0.23	4.35	4.77	0.42	3.89	4.63	0.74
01226	6.84	6.86	0.02	6.04	6.10	0.06	5.31	5.51	0.20	4.99	5.37	0.38	4.27	5.02	0.75
01227	7.34	7.36	0.01	6.52	6.58	0.06	5.79	5.95	0.16	5.43	5.76	0.34	4.52	5.28	0.76
01228	7.83	7.84	0.01	7.02	7.08	0.06	6.21	6.33	0.12	5.96	6.12	0.16	5.67	5.67	0.01
01229	8.99	9.03	0.04	7.89	7.97	0.08	7.01	7.02	0.01	6.54	6.62	0.08	5.99	6.00	0.01
01230	8.38	8.39	0.00	8.01	8.00	-0.01	7.10	7.08	-0.02	6.55	6.63	0.08	6.00	6.01	0.01
01231	8.63	8.64	0.01	7.94	7.99	0.04	7.12	7.12	0.00	6.65	6.71	0.06	6.06	6.07	0.01
01232	8.38	8.38	0.00	8.00	7.99	-0.01	7.32	7.29	-0.03	6.78	6.81	0.02	6.13	6.14	0.01
01233	8.43	8.43	0.00	8.02	8.01	-0.01	7.32	7.29	-0.03	6.83	6.84	0.01	6.20	6.22	0.02
01234	8.43	8.43	0.00	8.02	8.01	-0.01	7.32	7.29	-0.03	6.83	6.84	0.01	6.20	6.22	0.02
01300	3.12	4.10	0.98	2.64	4.09	1.45	2.19	4.09	1.90	1.96	4.09	2.13	1.76	4.08	2.33
01400	4.53	5.33	0.81	4.06	5.18	1.12	3.82	5.06	1.24	3.64	4.97	1.33	3.32	4.83	1.52
01401	6.39	6.55	0.16	5.53	6.29	0.76	5.14	6.08	0.93	4.87	5.91	1.05	4.39	5.65	1.26
01402	6.46	6.62	0.15	5.62	6.33	0.71	5.24	6.12	0.87	4.98	5.95	0.97	4.54	5.69	1.15
01403	7.40	7.60	0.20	6.22	6.83	0.61	5.75	6.52	0.77	5.47	6.32	0.85	4.95	6.01	1.06
01410	8.69	8.76	0.06	7.58	7.97	0.39	6.88	7.43	0.55	6.55	7.14	0.59	5.86	6.73	0.87
01411	8.94	8.96	0.02	7.87	8.24	0.36	7.03	7.64	0.61	6.67	7.23	0.56	5.96	6.79	0.83
01412	9.11	9.14	0.03	8.63	8.75	0.12	7.58	8.36	0.79	7.01	7.50	0.49	6.25	6.98	0.73
01413	9.12	9.14	0.03	8.64	8.76	0.11	8.08	8.38	0.30	7.47	7.88	0.41	6.60	7.24	0.64
01414	9.77	9.77	0.00	9.73	9.73	0.00	9.68	9.69	0.01	9.30	9.47	0.17	7.97	8.35	0.38
01415	9.12	9.14	0.03	8.64	8.76	0.11	8.08	8.38	0.30	7.47	7.88	0.41	6.61	7.25	0.64
01416	9.12	9.14	0.03	8.64	8.76	0.11	8.08	8.38	0.30	7.47	7.88	0.41	6.61	7.25	0.64
01417	9.12	9.15	0.03	8.65	8.76	0.11	8.08	8.39	0.30	7.47	7.88	0.41	6.64	7.25	0.61
01420	9.10	9.13	0.03	8.52	8.72	0.20	7.78	8.06	0.29	7.42	7.80	0.38	6.58	7.32	0.74
01421	8.94	8.96	0.02	8.68	8.70	0.01	8.23	8.34	0.11	7.95	8.11	0.16	7.41	7.77	0.36
01422	8.90	8.91	0.01	8.69	8.70	0.01	8.52	8.53	0.01	8.35	8.36	0.01	8.13	8.14	0.01
01430	9.14	9.17	0.03	8.70	8.80	0.10	8.48	8.56	0.08	8.19	8.40	0.20	7.17	7.90	0.72
01431	9.14	9.17	0.03	8.71	8.80	0.10	8.50	8.58	0.07	8.29	8.43	0.14	7.99	8.15	0.16
01432	9.15	9.17	0.03	8.71	8.80	0.09	8.58	8.62	0.04	8.45	8.52	0.07	8.19	8.32	0.12
01433	9.15	9.18	0.03	8.73	8.80	0.07	8.60	8.63	0.03	8.51	8.53	0.03	8.38	8.43	0.04
01440	9.16	9.19	0.03	8.77	8.83	0.06	8.63	8.67	0.04	8.48	8.55	0.07	8.21	8.34	0.12
01441	9.16	9.18	0.03	8.76	8.82	0.06	8.62	8.66	0.04	8.47	8.55	0.07	8.21	8.33	0.12
01442	9.28	9.30	0.02	9.11	9.12	0.01	8.98	9.00	0.02	8.85	8.88	0.03	8.61	8.68	0.07
01450	9.30	9.31	0.01	9.15	9.15	0.01	9.04	9.05	0.01	8.95	8.96	0.01	8.84	8.86	0.01
01451	9.19	9.21	0.03	8.89	8.91	0.01	8.80	8.82	0.01	8.74	8.75	0.01	8.68	8.68	0.01
01452	10.69	10.70	0.00	10.53	10.53	0.00	10.43	10.43	0.00	10.37	10.37	0.00	10.28	10.28	0.00
01453	10.89	10.89	0.00	10.71	10.71	0.00	10.60	10.60	0.00	10.52	10.52	0.00	10.43	10.43	0.00
01454	12.73	12.73	0.00	12.58	12.58	0.00	12.48	12.48	0.00	12.41	12.41	0.00	12.30	12.30	0.00
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.86	0.00
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.36	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.68	0.00
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.10	0.00	13.04	13.04	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.57	0.00	13.55	13.55	0.00	13.52	13.52	0.00
01463G	13.63	13.63	0.00	13.59	13.59	0.00	13.57	13.57	0.00	13.54	13.54	0.00	13.52	13.52	0.00
01464	13.53	13.53	0.00	13.42	13.42	0.00	13.34	13.34	0.00	13.27	13.28	0.00	13.19	13.19	0.00
01465	13.90	13.90	0.00	13.84	13.84	0.00	13.80	13.80	0.00	13.77	13.77	0.00	13.73	13.73	0.00
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.29	5.34	0.05	5.13	5.20	0.08	5.02	5.12	0.10	4.93	5.06	0.13	4.79	4.98	0.19
01501	5.29	5.35	0.05	5.14	5.21	0.08	5.03	5.13	0.10	4.93	5.06	0.13	4.79	4.98	0.19
01502	5.32	5.37	0.05	5.15	5.22	0.07	5.04	5.13	0.10	4.94	5.07	0.12	4.80	4.98	0.18
01503	5.69	5.84	0.14	5.41	5.55	0.14	5.26	5.40	0.14	5.13	5.28	0.15	4.89	5.10	0.21
01504	5.29	5.34	0.05	5.13	5.21	0.08	5.02	5.12	0.10	4.93	5.06	0.13	4.79	4.98	0.19
01510	6.30	6.25	-0.05	6.25	6.19	-0.07	6.22	6.15	-0.07	6.20	6.12	-0.08	6.16	6.07	-0.09
01520	7.68	7.68	0.00	7.61	7.61	0.00	7.58	7.58	0.00	7.55	7.55	0.00	7.48	7.46	-0.02
01530	8.32	8.33	0.02	7.93	7.95	0.01	7.76	7.76	0.00	7.69	7.69	0.00	7.60	7.59	-0.01
01531	7.10	7.11	0.01	6.98	6.98	0.00	6.94	6.94	0.00	6.91	6.91	0.00	6.87	6.87	0.00
01532	7.00	7.00	0.00	6.93	6.94	0.00	6.89	6.89	0.00	6.86	6.86	0.00	6.82	6.82	0.00
01540	8.89	8.90	0.01	8.68	8.69	0.01	8.51	8.52	0.01	8.35	8.36	0.01	8.13	8.14	0.01
01541	8.89	8.90	0.01	8.69	8.69	0.01	8.52	8.52	0.01	8.35	8.36	0.01	8.13	8.14	0.01
01550	8.90	8.91	0.01	8.69	8.70	0.01	8.52	8.53	0.01	8.35	8.36	0.01	8.14	8.14	0.01
01551	8.89	8.91	0.01	8.69	8.69	0.01	8.52	8.52	0.01	8.35	8.36	0.01	8.13	8.14	0.01
01552	8.90	8.91	0.01	8.69	8.70	0.01	8.52	8.53	0.01	8.35	8.36	0.01	8.14	8.15	0.01
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.24	6.27	0.03	6.18	6.23	0.05	5.56	6.20	0.64	4.34	6.17	1.83	3.30	5.90	2.59
01601	5.15	5.88	0.73	3.41	5.74	2.33	2.69	5.35	2.66	2.32	4.98	2.66	2.00	4.66	2.66
01700	6.52	6.70	0.18	5.72	6.02	0.30	5.29	5.85	0.57	4.97	5.71	0.75	3.96	5.47	1.51
01701	6.29	6.50	0.21	5.57	5.95	0.38	4.60	5.78	1.18	3.66	5.64	1.98	3.21	5.44	2.23
01710	8.89	8.89	0.01	8.77	8.78	0.02	8.31	8.68	0.37	7.14	8.41	1.27	6.22	7.73	1.51
01711	8.87	8.88	0.01	8.76	8.77	0.02	8.36	8.68	0.32	7.52	8.42	0.89	7.03	7.78	0.74
01712	7.79	7.79	0.00	7.68	7.69	0.01	7.59	7.61	0.02	7.52	7.56	0.04	7.44	7.50	0.06
01713	10.15	10.15	0.00	10.10	10.10	0.00	10.07	10.07	0.00	10.04	10.05	0.00	10.00	10.00	0.00
01720	9.83	9.83	0.00	9.69	9.69	0.00	9.52	9.59	0.07	8.86	9.47	0.62	7.64	8.97	1.34
01730	11.07	11.07	0.00	11.01	11.02	0.00	10.96	10.97	0.01	10.66	10.91	0.25	9.39	10.42	1.03
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.01	12.90	12.99	0.09
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.09	0.01	13.65	13.84	0.19
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.28	14.29	0.00	14.18	14.20	0.02	13.70	13.89	0.19
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.62	0.00	13.56	13.57	0.01
01751	13.83	13.83	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.68	0.00	13.62	13.62	0.01
01752	13.85	13.85	0.00	13.79	13.79	0.00	13.73	13.73	0.00	13.68	13.68	0.00	13.62	13.62	0.01
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.70	0.01
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.70	0.01
01770	14.08	14.08	0.00	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.69	0.01
01800	8.51	8.64	0.13	6.96	8.06	1.10	5.38	6.93	1.56	4.43	6.08	1.65	3.40	5.44	2.04
01810	10.46	10.47	0.01	9.95	10.25	0.30	7.41	7.73	0.31	7.12	7.12	0.00	6.88	6.88	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
01820	10.52	10.53	0.01	10.17	10.31	0.14	7.46	9.03	1.57	5.63	7.38	1.76	3.99	6.17	2.18
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.01	11.02	0.01	10.68	10.78	0.10	8.15	9.72	1.57	6.04	7.81	1.77	4.23	6.42	2.19
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.99	0.01	11.68	11.71	0.03	9.53	11.11	1.58	8.45	8.61	0.16	7.76	7.88	0.13
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.21	12.22	0.01	11.96	11.98	0.02	11.53	11.58	0.05	11.15	11.19	0.04	10.53	10.65	0.13
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.24	0.00	11.99	12.01	0.02	11.66	11.69	0.03	11.39	11.42	0.02	10.79	10.92	0.14
01870	12.25	12.26	0.01	12.00	12.02	0.02	11.67	11.70	0.03	11.41	11.43	0.02	10.92	10.99	0.07
01880	12.35	12.36	0.01	12.12	12.13	0.01	11.96	11.96	0.00	11.88	11.88	0.00	11.79	11.79	0.01
01900	5.80	5.65	-0.15	5.67	5.47	-0.21	5.47	5.29	-0.18	5.27	5.14	-0.13	4.64	4.74	0.10
01901	7.15	7.11	-0.03	6.91	6.76	-0.15	6.54	6.41	-0.14	6.21	6.13	-0.08	5.18	5.34	0.16
01902	8.13	8.12	-0.01	7.67	7.55	-0.12	7.25	7.14	-0.11	6.88	6.82	-0.06	5.53	5.74	0.21
01911	8.14	8.13	-0.01	7.68	7.56	-0.12	7.26	7.15	-0.11	6.88	6.82	-0.06	5.54	5.75	0.21
01920	9.39	9.40	0.00	8.60	8.50	-0.09	8.15	8.07	-0.08	7.73	7.70	-0.03	6.57	6.63	0.06
01921	10.76	10.77	0.01	9.54	9.48	-0.06	9.12	9.06	-0.06	8.70	8.69	0.00	7.13	7.24	0.11
01930	11.60	11.61	0.01	10.86	10.85	-0.01	10.52	10.51	-0.02	10.14	10.18	0.04	7.95	8.11	0.16
01940	12.25	12.26	0.01	12.00	12.02	0.02	11.66	11.69	0.03	11.27	11.35	0.08	8.58	8.78	0.20
01950	12.25	12.26	0.01	12.00	12.02	0.02	11.66	11.69	0.03	11.28	11.36	0.08	8.61	8.82	0.21
01953	12.26	12.27	0.01	12.01	12.03	0.02	11.69	11.72	0.03	11.33	11.41	0.08	8.81	9.06	0.25
01954	12.34	12.35	0.01	12.08	12.10	0.02	11.94	11.95	0.01	11.82	11.86	0.04	10.47	11.31	0.84
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.55	9.58	0.03	5.00	7.46	2.46	3.73	6.39	2.66	3.06	5.72	2.66	2.48	5.14	2.66
02110	10.32	10.34	0.02	7.98	8.68	0.70	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.89	10.90	0.01	10.50	10.56	0.06	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.69	10.70	0.02	8.41	9.12	0.71	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.99	11.00	0.01	10.67	10.69	0.02	9.06	9.06	0.01	8.18	8.19	0.00	7.41	7.41	0.00
02170	10.91	10.92	0.01	10.66	10.68	0.02	9.05	9.06	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.56	12.58	0.02	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.83	10.16	0.33	9.22	9.56	0.34	8.74	9.19	0.45	8.22	8.78	0.55	7.91	8.36	0.44
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.85	7.52	0.68	6.33	7.01	0.68	6.00	6.73	0.73	5.68	6.45	0.77	5.37	6.22	0.86
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.45	10.72	0.27	9.82	10.03	0.21	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.62	12.68	0.06	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.01	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.84	0.00
02250	12.38	12.40	0.02	11.92	11.99	0.07	11.25	11.39	0.14	10.45	10.81	0.36	9.81	10.09	0.28
02250B	12.83	12.84	0.00	12.70	12.71	0.00	12.58	12.59	0.01	12.50	12.50	0.00	12.36	12.37	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.37	12.38	0.01	11.97	12.04	0.07	10.89	11.20	0.31	10.46	10.59	0.13
02253	12.43	12.44	0.00	12.29	12.30	0.01	11.97	11.99	0.03	11.78	11.86	0.08	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.44	12.45	0.00	12.32	12.33	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.26	12.27	0.01	12.09	12.09	0.00	12.03	12.04	0.01	11.98	11.99	0.01	11.94	11.94	0.00
02260	12.38	12.40	0.02	12.07	12.10	0.03	11.64	11.70	0.06	10.94	11.22	0.28	10.44	10.66	0.22
02261	12.35	12.36	0.01	12.06	12.09	0.03	11.65	11.70	0.05	11.06	11.23	0.17	10.80	10.96	0.16
02270	12.50	12.50	0.01	12.35	12.36	0.01	12.21	12.22	0.02	11.97	12.05	0.08	11.74	11.82	0.08
02271	12.53	12.54	0.00	12.44	12.45	0.00	12.38	12.39	0.01	12.28	12.31	0.03	12.13	12.17	0.04
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.16	13.17	0.00	13.07	13.08	0.00	12.94	12.95	0.01
02272	12.78	12.79	0.00	12.66	12.67	0.00	12.54	12.55	0.01	12.38	12.41	0.03	12.19	12.23	0.04
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.23	13.24	0.01	12.81	12.85	0.04	12.47	12.51	0.04
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.90	13.92	0.01	13.23	13.27	0.04	12.73	12.77	0.04
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.98	12.99	0.00	12.89	12.90	0.01
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.35	13.36	0.01
02281Y	13.52	13.52	0.00	13.40	13.40	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	0.00
02282B	14.57	14.57	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.11	14.12	0.00	14.00	14.00	0.00
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.77	0.00
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.97	14.98	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.52	4.08	0.56	3.00	4.08	1.08	3.00	4.08	1.08	3.00	4.08	1.08	3.00	4.08	1.08
02292	11.92	11.95	0.03	11.10	11.13	0.02	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.76	11.79	0.02	11.00	11.03	0.02	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.62	12.68	0.06	11.20	11.24	0.04	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.41	0.02	12.13	12.13	0.01	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.01	12.69	12.70	0.00	12.58	12.58	0.01	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.26	11.27	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.94	14.96	0.02	13.03	13.37	0.34
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.70	0.02	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.99	14.00	0.01	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.73	13.83	0.10	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.44	4.09	2.65	1.44	4.09	2.65	1.43	4.09	2.65	1.43	4.09	2.66	1.43	4.09	2.66
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.01	0.00
02901F	1.43	4.09	2.66	1.43	4.09	2.66	1.43	4.08	2.66	1.43	4.08	2.66	1.42	4.08	2.66
02910	1.68	4.17	2.49	1.61	4.15	2.54	1.55	4.13	2.58	1.51	4.11	2.60	1.48	4.10	2.62
02910A	2.80	4.18	1.38	2.74	4.15	1.41	2.70	4.13	1.43	2.67	4.12	1.45	2.64	4.11	1.47
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.11	4.10	1.99	1.85	4.10	2.25	1.71	4.09	2.38	1.63	4.09	2.46	1.57	4.09	2.52
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.15	4.08	0.94	2.70	4.08	1.39	2.23	4.08	1.86	1.98	4.08	2.11	1.76	4.08	2.33
03000F	3.53	4.09	0.56	3.48	4.08	0.61	3.43	4.08	0.66	3.32	4.08	0.76	3.02	4.08	1.06
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF10	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF11	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF2	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF3	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
GULF4	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF5	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF6	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF7	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF8	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
GULF9	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66
N00205	11.23	11.22	0.00	11.00	11.00	0.00	10.82	10.82	0.00	10.66	10.65	-0.01	10.33	10.30	-0.02
N00211	10.58	10.58	0.00	10.41	10.41	0.00	10.27	10.27	0.00	10.17	10.17	0.00	10.09	10.09	0.00
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.23	0.00	12.85	12.85	0.00
N00235	13.20	13.20	0.00	12.95	12.95	0.00	12.75	12.75	0.00	12.60	12.60	0.00	12.41	12.41	0.00
N00237	13.37	13.37	0.00	13.12	13.12	0.00	12.91	12.91	0.00	12.76	12.76	0.00	12.58	12.58	0.00
N00255	14.05	14.05	0.00	13.99	13.99	0.00	13.97	13.97	0.00	13.95	13.95	0.00	13.94	13.94	0.00
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.28	6.30	0.01	6.09	6.11	0.03	5.93	6.00	0.08	5.88	5.93	0.05	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.63	6.64	0.01	6.58	6.59	0.01	6.48	6.52	0.04	5.81	6.01	0.20
N01463	13.57	13.57	0.00	13.54	13.54	0.00	13.53	13.53	0.00	13.51	13.51	0.00	13.49	13.49	0.00
N01468	14.09	14.09	0.00	13.93	13.93	0.00	13.86	13.86	0.00	13.82	13.82	0.00	13.79	13.79	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.23	0.00	15.14	15.14	0.00	15.02	15.02	0.00	14.83	14.83	0.00
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.51	12.40	0.89	8.71	10.49	1.78	8.18	9.07	0.89	8.04	8.20	0.16	7.85	7.85	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.44	4.12	0.68	3.37	4.10	0.73	3.33	4.10	0.77	3.30	4.10	0.80	3.26	4.09	0.84
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66	1.42	4.08	2.66

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
00100	8.22	8.23	0.01	7.35	7.31	-0.04
00100A	9.64	9.62	-0.01	9.37	9.33	-0.04
00100B	9.67	9.65	-0.01	9.39	9.35	-0.04
00100C	9.70	9.69	-0.01	9.40	9.36	-0.04
00200	9.73	9.71	-0.01	9.41	9.37	-0.04
00200A	6.21	6.03	-0.18	6.09	5.91	-0.19
00204	10.16	10.14	-0.02	9.82	9.79	-0.03
00210	10.46	10.45	-0.01	10.17	10.15	-0.02
00212	11.58	11.58	0.00	11.31	11.30	0.00
00215	12.10	12.10	0.00	11.99	11.99	0.00
00216	11.78	11.78	0.00	11.48	11.48	0.00
00217	11.96	11.96	0.00	11.65	11.65	0.00
00220	12.17	12.17	0.00	11.86	11.86	0.00
00221	12.45	12.45	0.00	12.15	12.15	0.00
00231	13.33	13.33	0.00	13.23	13.23	0.00
00232	13.64	13.64	0.00	13.55	13.55	0.00
00233	12.95	12.95	0.00	12.70	12.70	0.00
00234	12.78	12.78	0.00	12.67	12.67	0.00
00236	13.59	13.59	0.00	13.51	13.51	0.00
00240	13.40	13.40	0.00	13.12	13.12	0.00
00241	13.90	13.90	0.00	13.81	13.81	0.00
00242	13.58	13.58	0.00	13.31	13.31	0.00
00250	13.90	13.90	0.00	13.65	13.65	0.00
00251	13.69	13.69	0.00	13.62	13.62	0.00
00252	14.65	14.65	0.00	14.57	14.57	0.00
00300	8.73	8.73	0.00	8.68	8.68	0.00
00301	9.73	9.73	0.00	9.57	9.57	0.00
00400	8.72	8.72	0.00	8.64	8.64	0.00
00401	8.71	8.71	0.00	8.64	8.64	0.00
00500	3.10	4.73	1.62	2.46	4.47	2.01
00501	3.17	4.75	1.58	2.51	4.49	1.97
00502	3.62	4.95	1.33	2.94	4.61	1.67
00510	5.12	5.36	0.24	4.58	5.14	0.56
00511	9.80	9.80	0.00	8.74	8.74	0.00
00513	6.72	6.78	0.06	6.00	6.37	0.36
00516	7.38	7.42	0.04	6.56	6.83	0.27
00520	9.83	9.83	0.00	9.55	9.58	0.03
00521	10.47	10.47	0.00	10.29	10.29	0.00
00522	11.39	11.39	0.00	11.07	11.07	0.00
00530	12.42	12.42	0.00	12.15	12.15	0.00
00530x	12.03	12.03	0.00	11.82	11.82	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
00531	12.68	12.68	0.00	12.54	12.54	0.00
00532	13.47	13.47	0.00	13.36	13.36	0.00
00533	13.48	13.48	0.00	13.37	13.37	0.00
00537	13.56	13.56	0.00	13.45	13.45	0.00
00538	14.46	14.46	0.00	14.40	14.40	0.00
00539	14.54	14.54	0.00	14.48	14.48	0.00
00540	14.02	14.02	0.00	13.96	13.96	0.00
00541A	14.13	14.13	0.00	14.08	14.08	0.00
00541Y	14.41	14.41	0.00	14.36	14.36	0.00
00542	14.74	14.74	0.00	14.69	14.69	0.00
00543	14.89	14.89	0.00	14.83	14.83	0.00
00544	15.61	15.61	0.00	15.58	15.58	0.00
00545	15.07	15.07	0.00	15.00	15.00	0.00
00546	13.65	13.65	0.00	13.55	13.55	0.00
00547	13.66	13.66	0.00	13.56	13.56	0.00
00548	14.51	14.51	0.00	14.48	14.48	0.00
00560	13.51	13.51	0.00	13.07	13.08	0.00
00561	13.53	13.53	0.00	13.09	13.10	0.00
00562	13.80	13.80	0.00	13.55	13.55	0.00
00563	14.09	14.09	0.00	13.93	13.94	0.00
00564	15.02	15.02	0.00	14.58	14.58	0.00
00565	15.51	15.51	0.00	15.02	15.02	0.00
00571	13.97	13.97	0.00	13.48	13.49	0.01
00572	14.25	14.25	0.00	13.95	13.95	0.00
00574	14.69	14.69	0.00	14.44	14.44	0.00
005741	14.69	14.69	0.00	14.43	14.44	0.00
00574F	14.75	14.75	0.00	14.51	14.51	0.00
00575	14.75	14.75	0.00	14.50	14.50	0.00
00575B	14.75	14.75	0.00	14.50	14.50	0.00
00576	15.50	15.50	0.00	15.03	15.04	0.00
00577	15.57	15.57	0.00	15.12	15.13	0.00
00580	16.35	16.35	0.00	16.28	16.28	0.00
00581	15.78	15.78	0.00	15.38	15.38	0.00
00582	16.19	16.19	0.00	15.60	15.60	0.00
00583	16.25	16.25	0.00	15.63	15.64	0.00
00584	15.81	15.81	0.00	15.52	15.52	0.00
00585	15.81	15.81	0.00	15.61	15.61	0.00
00586	15.78	15.78	0.00	15.68	15.68	0.00
00600	8.15	8.15	0.00	8.13	8.13	0.00
00601	9.68	9.68	0.00	9.42	9.42	0.00
00700	8.70	8.70	0.00	8.67	8.67	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
00701	10.81	10.81	0.00	10.67	10.67	0.00
00800	6.89	6.96	0.07	6.05	6.19	0.13
00800A	11.00	11.00	0.00	10.93	10.93	0.00
00800x	4.44	4.93	0.49	3.60	4.55	0.95
00802	7.91	7.95	0.04	7.04	7.11	0.07
00805A	11.40	11.40	0.00	11.37	11.37	0.00
00811	9.15	9.18	0.03	8.07	8.12	0.05
00812A	13.06	13.06	0.00	12.99	12.99	0.00
00812Y	12.89	12.89	0.00	12.17	12.17	0.00
00813	9.20	9.23	0.03	8.14	8.18	0.05
00821	10.31	10.34	0.03	8.80	8.84	0.05
00823	10.39	10.42	0.03	8.96	9.00	0.04
00824	10.48	10.50	0.02	9.20	9.23	0.03
00825	13.88	13.88	0.00	13.63	13.63	0.00
00827A	14.13	14.13	0.00	13.92	13.92	0.00
00827B	14.27	14.27	0.00	14.04	14.04	0.00
00827C	14.26	14.26	0.00	14.03	14.03	0.00
00827D	14.52	14.52	0.00	14.42	14.42	0.00
00827F	14.51	14.51	0.00	14.42	14.42	0.00
00827Y	14.99	14.99	0.00	14.88	14.88	0.00
00828	14.33	14.33	0.00	14.05	14.05	0.00
00829A	14.62	14.62	0.00	14.44	14.44	0.00
00829Y	15.18	15.18	0.00	15.10	15.10	0.00
00830	9.41	9.43	0.02	8.38	8.42	0.04
00831	11.41	11.41	0.00	11.37	11.37	0.00
00833	9.49	9.52	0.02	8.47	8.51	0.04
008331	9.52	9.55	0.02	8.51	8.54	0.04
00834	11.85	11.85	0.00	11.62	11.62	0.00
00835A	12.13	12.13	0.00	11.92	11.92	0.00
00840	10.50	10.50	0.00	10.03	10.04	0.01
00841	12.20	12.20	0.00	12.01	12.01	0.00
00841b	10.85	10.86	0.00	10.44	10.44	0.01
00842	12.92	12.92	0.00	12.82	12.82	0.00
00843	13.30	13.30	0.00	13.14	13.14	0.00
00843b	12.40	12.40	0.00	12.21	12.21	0.00
00843F	14.08	14.08	0.00	14.06	14.06	0.00
00844	13.91	13.91	0.00	13.76	13.76	0.00
00844F	13.46	13.46	0.00	13.33	13.33	0.00
00845	13.37	13.37	0.00	13.27	13.27	0.00
00851Y	14.88	14.88	0.00	14.73	14.73	0.00
00852A	15.36	15.36	0.00	15.22	15.22	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
00852Y	14.97	14.97	0.00	14.83	14.83	0.00
00854A	16.70	16.70	0.00	16.66	16.66	0.00
00854Y	15.98	15.98	0.00	15.77	15.76	0.00
00861	14.71	14.71	0.00	14.18	14.18	0.00
00862	14.93	14.93	0.00	14.59	14.59	0.00
00864	15.32	15.32	0.00	15.27	15.27	0.00
00865	15.32	15.32	0.00	15.27	15.27	0.00
00866B	15.39	15.39	0.00	15.35	15.35	0.00
00866Y	15.35	15.35	0.00	15.30	15.30	0.00
00867A	16.59	16.59	0.00	16.54	16.54	0.00
00867Y	16.16	16.16	0.00	16.13	16.13	0.00
00868	16.69	16.69	0.00	16.60	16.60	0.00
00869F	17.34	17.34	0.00	17.24	17.24	0.00
00870A	15.35	15.35	0.00	15.29	15.29	0.00
00870Y	15.33	15.33	0.00	15.28	15.28	0.00
00871A	15.54	15.54	0.00	15.49	15.49	0.00
00871B	15.38	15.38	0.00	15.33	15.33	0.00
00871F	15.46	15.46	0.00	15.39	15.39	0.00
00871G	15.35	15.35	0.00	15.30	15.30	0.00
00871H	15.33	15.33	0.00	15.28	15.28	0.00
00871Y	15.44	15.44	0.00	15.38	15.38	0.00
00872A	15.29	15.29	0.00	15.22	15.22	0.00
00872F	15.30	15.30	0.00	15.23	15.23	0.00
00880	15.97	15.97	0.00	15.76	15.76	0.00
00880F	16.04	16.04	0.00	15.88	15.88	0.00
00881	15.98	15.98	0.00	15.77	15.77	0.00
00883	15.85	15.85	0.00	15.72	15.72	0.00
00884A	15.84	15.84	0.00	15.72	15.72	0.00
00884B	15.26	15.26	0.00	15.14	15.14	0.00
00900	6.12	6.40	0.28	5.55	5.97	0.42
00900A	11.50	11.50	0.00	11.41	11.41	0.00
00910	11.49	11.49	0.00	11.34	11.34	0.00
00920	11.81	11.81	0.00	11.59	11.59	0.00
01000	8.96	8.97	0.01	8.51	8.54	0.03
01005	9.00	9.01	0.01	8.56	8.59	0.03
01020	9.59	9.59	0.00	9.43	9.43	0.00
01020R	10.28	10.28	0.00	10.21	10.21	0.00
01100	8.96	8.97	0.01	8.50	8.53	0.03
01100F	8.96	8.97	0.01	8.50	8.53	0.03
01100G	8.95	8.96	0.01	8.49	8.52	0.03
01100H	8.71	8.71	0.00	8.44	8.46	0.02

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
01100I	8.28	8.29	0.00	8.24	8.24	0.00
01100J	8.96	8.96	0.01	8.50	8.54	0.03
01100X	8.96	8.97	0.01	8.50	8.53	0.03
01200	2.91	4.09	1.18	2.44	4.08	1.65
01201	3.26	4.11	0.86	2.94	4.09	1.16
01201F	4.11	4.15	0.04	4.09	4.12	0.03
01202	2.29	4.09	1.80	1.90	4.08	2.18
01203	4.05	4.36	0.30	3.52	4.13	0.61
01220F	5.72	5.72	0.00	5.66	5.66	0.00
01220G	5.55	5.55	0.00	5.53	5.53	0.00
01221	4.05	4.35	0.30	3.52	4.13	0.61
01222	5.68	5.72	0.04	4.14	4.63	0.49
01223	5.68	5.72	0.04	4.15	4.64	0.49
01224	5.68	5.72	0.04	4.18	4.64	0.46
01225	5.80	5.84	0.04	4.57	4.81	0.24
01226	6.62	6.67	0.05	5.28	5.48	0.20
01227	7.17	7.23	0.06	5.76	5.92	0.16
01228	7.72	7.78	0.06	6.22	6.33	0.11
01229	8.71	8.86	0.14	7.13	7.12	-0.01
01230	8.20	8.21	0.01	7.25	7.19	-0.06
01231	8.52	8.57	0.05	7.22	7.19	-0.03
01232	8.19	8.20	0.01	7.36	7.31	-0.04
01233	8.22	8.23	0.01	7.36	7.31	-0.04
01234	8.22	8.23	0.01	7.36	7.31	-0.04
01300	2.74	4.09	1.35	2.13	4.09	1.96
01400	4.37	5.26	0.89	3.87	5.10	1.23
01401	6.13	6.46	0.33	5.26	6.21	0.95
01402	6.20	6.52	0.32	5.36	6.25	0.90
01403	6.91	7.28	0.37	5.90	6.72	0.82
01410	8.41	8.59	0.18	7.10	7.78	0.68
01411	8.81	8.89	0.08	7.41	8.01	0.60
01412	8.99	9.05	0.06	8.39	8.61	0.22
01413	8.99	9.05	0.06	8.41	8.62	0.21
01414	9.75	9.75	0.00	9.69	9.70	0.01
01415	8.99	9.05	0.06	8.41	8.62	0.21
01416	8.99	9.05	0.06	8.41	8.62	0.21
01417	9.00	9.06	0.06	8.41	8.62	0.21
01420	8.97	9.03	0.06	7.92	8.51	0.59
01421	8.87	8.90	0.03	8.65	8.68	0.03
01422	8.85	8.87	0.02	8.67	8.69	0.01
01430	9.02	9.08	0.06	8.53	8.67	0.14

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
01431	9.02	9.08	0.06	8.55	8.67	0.12
01432	9.02	9.08	0.06	8.61	8.68	0.07
01433	9.03	9.08	0.06	8.62	8.67	0.05
01440	9.04	9.10	0.05	8.65	8.71	0.06
01441	9.04	9.09	0.05	8.65	8.70	0.06
01442	9.16	9.20	0.04	8.98	9.00	0.02
01450	9.18	9.21	0.03	9.04	9.05	0.01
01451	9.07	9.12	0.05	8.81	8.83	0.02
01452	10.55	10.55	0.00	10.42	10.42	0.00
01453	10.73	10.73	0.00	10.58	10.58	0.00
01454	12.59	12.59	0.00	12.45	12.45	0.00
01460	12.07	12.07	0.00	11.98	11.98	0.00
01461	12.43	12.43	0.00	12.40	12.40	0.00
01462	12.75	12.75	0.00	12.72	12.72	0.00
01463	13.18	13.18	0.00	13.12	13.12	0.00
01463F	13.58	13.58	0.00	13.55	13.55	0.00
01463G	13.58	13.58	0.00	13.54	13.54	0.00
01464	13.42	13.42	0.00	13.31	13.31	0.00
01465	13.85	13.85	0.00	13.79	13.79	0.00
01466	12.72	12.72	0.00	12.69	12.69	0.00
01500	5.19	5.26	0.07	5.05	5.14	0.09
01501	5.20	5.27	0.07	5.06	5.14	0.09
01502	5.22	5.29	0.07	5.07	5.15	0.09
01503	5.49	5.63	0.14	5.29	5.42	0.13
01504	5.20	5.26	0.07	5.05	5.14	0.09
01510	6.19	6.20	0.01	6.14	6.15	0.01
01520	7.66	7.67	0.01	7.58	7.58	0.00
01530	8.25	8.28	0.02	7.90	7.93	0.02
01531	7.07	7.08	0.01	6.94	6.95	0.00
01532	6.95	6.95	0.00	6.90	6.90	0.00
01540	8.85	8.86	0.02	8.67	8.68	0.01
01541	8.85	8.87	0.02	8.67	8.68	0.01
01550	8.85	8.87	0.02	8.67	8.69	0.01
01551	8.85	8.87	0.02	8.67	8.69	0.01
01552	8.86	8.87	0.02	8.67	8.69	0.01
01552F	11.21	11.21	0.00	11.17	11.17	0.00
01553	9.36	9.36	0.00	9.29	9.29	0.00
01600	6.18	6.23	0.05	4.80	6.18	1.39
01601	2.93	5.56	2.62	2.23	4.89	2.66
01700	6.01	6.39	0.38	5.28	5.81	0.53
01701	5.75	6.22	0.47	4.29	5.73	1.44

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
01710	8.76	8.78	0.02	7.67	8.62	0.95
01711	8.75	8.77	0.02	7.78	8.62	0.84
01712	7.69	7.69	0.01	7.56	7.59	0.03
01713	10.07	10.07	0.00	10.03	10.03	0.00
01720	9.68	9.69	0.00	9.34	9.55	0.21
01730	11.01	11.01	0.00	10.91	10.94	0.03
01740	13.14	13.14	0.00	13.07	13.08	0.00
01741	14.12	14.12	0.00	14.08	14.08	0.00
01742	14.29	14.29	0.00	14.16	14.16	0.00
01750	13.69	13.69	0.00	13.63	13.63	0.00
01751	13.75	13.75	0.00	13.69	13.69	0.00
01752	13.77	13.77	0.00	13.69	13.69	0.00
01760	13.91	13.91	0.00	13.82	13.82	0.00
01761	14.10	14.10	0.00	14.04	14.04	0.00
01762	13.81	13.81	0.00	13.77	13.77	0.00
01770	13.96	13.96	0.00	13.84	13.84	0.00
01800	8.16	8.36	0.20	5.43	6.95	1.53
01810	10.35	10.37	0.02	7.27	7.69	0.43
01820	10.41	10.43	0.02	7.62	9.10	1.48
01824F	15.01	15.01	0.00	14.92	14.92	0.00
01824G	15.17	15.17	0.00	15.07	15.07	0.00
01830	10.89	10.91	0.02	8.38	9.80	1.42
01831A	14.71	14.71	0.00	14.47	14.47	0.00
01834F	15.63	15.63	0.00	15.50	15.50	0.00
01837F	14.74	14.74	0.00	14.48	14.48	0.00
01840	11.84	11.85	0.01	9.91	11.22	1.31
01848	14.88	14.88	0.00	14.81	14.81	0.00
01850	12.08	12.09	0.01	11.58	11.67	0.08
01853D	16.11	16.11	0.00	16.09	16.09	0.00
01853F	17.06	17.06	0.00	17.03	17.03	0.00
01855A	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.21	16.21	0.00	16.20	16.20	0.00
01860	12.11	12.12	0.01	11.70	11.75	0.05
01870	12.12	12.13	0.01	11.71	11.76	0.05
01880	12.21	12.22	0.01	11.95	11.96	0.01
01900	5.70	5.48	-0.21	5.44	5.26	-0.18
01901	6.94	6.79	-0.16	6.49	6.35	-0.14
01902	7.73	7.63	-0.10	7.20	7.09	-0.11
01911	7.73	7.63	-0.10	7.20	7.09	-0.11
01920	8.78	8.74	-0.04	8.10	8.01	-0.08
01921	9.98	10.00	0.02	9.08	9.03	-0.05

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
01930	11.19	11.21	0.01	10.53	10.52	-0.01
01940	12.13	12.14	0.01	11.71	11.76	0.05
01950	12.13	12.14	0.01	11.72	11.76	0.05
01953	12.14	12.15	0.01	11.74	11.78	0.04
01954	12.20	12.22	0.01	11.95	11.96	0.01
02000	8.89	8.89	0.00	8.73	8.73	0.00
02001	7.47	7.47	0.00	7.35	7.35	0.00
02100	8.33	9.38	1.05	3.00	5.67	2.66
02110	9.61	10.06	0.45	6.85	6.85	0.00
02130	10.70	10.77	0.07	7.78	7.78	0.00
02150	10.18	10.34	0.16	7.05	7.05	0.00
02160	10.81	10.83	0.02	7.84	7.84	0.00
02170	10.81	10.82	0.02	7.83	7.84	0.00
02200	12.77	12.78	0.00	12.70	12.70	0.00
02200A	9.73	9.73	0.00	9.50	9.50	0.00
02200x	12.35	12.37	0.02	12.21	12.21	0.00
02200x1	9.43	9.77	0.34	8.92	9.35	0.42
02200Y	11.84	11.84	0.00	11.78	11.78	0.00
02200Z	6.50	7.17	0.67	6.06	6.79	0.73
02202A	14.52	14.52	0.00	14.47	14.47	0.00
02202Y	12.02	12.02	0.00	11.49	11.49	0.00
02202YA	12.90	12.90	0.00	12.52	12.52	0.00
02202YB	10.97	10.97	0.00	10.32	10.32	0.00
02203	11.75	11.75	0.00	11.00	11.00	0.00
02220	9.92	10.20	0.28	9.81	9.86	0.05
02221A	12.97	12.97	0.00	12.95	12.95	0.00
02222	11.74	11.75	0.01	11.69	11.69	0.00
02223	14.18	14.18	0.00	13.31	13.31	0.00
02230	14.91	14.91	0.00	14.08	14.08	0.00
02240	15.22	15.22	0.00	13.88	13.88	0.00
02250	12.16	12.21	0.04	11.57	11.69	0.12
02250B	12.79	12.80	0.00	12.69	12.69	0.01
02250C	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.47	12.47	0.00	12.33	12.34	0.01
02253	12.38	12.39	0.00	12.25	12.27	0.02
02254A	12.53	12.53	0.00	12.42	12.42	0.00
02254Y	12.15	12.16	0.01	12.06	12.07	0.00
02260	12.23	12.25	0.02	11.78	11.85	0.07
02261	12.21	12.23	0.02	11.78	11.84	0.06
02270	12.42	12.42	0.01	12.24	12.26	0.02
02271	12.48	12.48	0.00	12.38	12.39	0.01

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
02271F	13.28	13.28	0.00	13.13	13.13	0.00
02272	12.69	12.69	0.00	12.51	12.52	0.01
02273	13.62	13.62	0.00	13.06	13.07	0.01
02274	14.50	14.50	0.00	13.60	13.61	0.01
02280	13.15	13.15	0.00	13.03	13.03	0.00
02281A	13.79	13.79	0.00	13.75	13.75	0.00
02281Y	13.44	13.44	0.00	13.33	13.33	0.00
02282A	14.28	14.28	0.00	14.06	14.06	0.00
02282B	14.36	14.36	0.00	14.18	14.18	0.00
02282Y	14.03	14.03	0.00	13.90	13.90	0.00
02283	15.06	15.06	0.00	14.96	14.96	0.00
02284	14.70	14.70	0.00	14.60	14.60	0.00
02285A	14.92	14.92	0.00	14.89	14.89	0.00
02290	3.00	4.08	1.08	3.00	4.08	1.08
02292	11.31	11.35	0.04	10.68	10.69	0.01
02292A	11.20	11.23	0.03	10.61	10.62	0.01
02294	13.40	13.40	0.00	13.35	13.35	0.00
02294x	11.46	11.51	0.05	10.71	10.72	0.01
02297	13.26	13.26	0.00	13.17	13.17	0.00
02298	12.20	12.23	0.03	12.12	12.12	0.00
02298n1	12.77	12.77	0.00	12.68	12.68	0.01
02300	8.05	8.05	0.00	7.94	7.94	0.00
02301	9.64	9.63	0.00	9.26	9.27	0.00
02302	10.90	10.90	0.00	10.32	10.32	0.00
02304	11.69	11.69	0.00	11.44	11.44	0.00
02305	11.65	11.65	0.00	11.44	11.44	0.00
02306	11.43	11.43	0.00	10.43	10.43	0.00
02307	11.46	11.46	0.00	10.50	10.50	0.00
02308	11.68	11.68	0.00	11.45	11.45	0.00
02309	11.70	11.70	0.00	11.48	11.48	0.00
02310	11.69	11.69	0.00	11.47	11.47	0.00
02311	11.98	11.98	0.00	11.86	11.86	0.00
02312	11.69	11.69	0.00	11.46	11.46	0.00
02313	11.71	11.71	0.00	11.47	11.47	0.00
02314	12.24	12.24	0.00	12.22	12.22	0.00
02400	12.32	12.32	0.00	10.87	10.87	0.00
02410	13.90	13.90	0.00	12.46	12.46	0.00
02410F	14.75	14.75	0.00	14.75	14.75	0.00
02411	14.29	14.29	0.00	13.06	13.06	0.00
02412	14.35	14.35	0.00	13.64	13.64	0.00
02420	14.65	14.65	0.00	13.72	13.72	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
02425	14.87	14.87	0.00	13.84	13.84	0.00
02430	12.89	12.89	0.00	12.33	12.33	0.00
02431	12.89	12.89	0.00	12.33	12.33	0.00
02440	14.51	14.51	0.00	14.11	14.11	0.00
02441	14.54	14.54	0.00	14.16	14.16	0.00
02442	15.24	15.24	0.00	14.86	14.86	0.00
02500	7.86	7.86	0.00	7.73	7.73	0.00
02500F	10.82	10.82	0.00	10.55	10.55	0.00
02500W	9.80	9.80	0.00	9.74	9.74	0.00
02510	11.48	11.48	0.00	11.35	11.35	0.00
02511	14.56	14.56	0.00	13.96	13.96	0.00
02512	15.25	15.25	0.00	14.43	14.43	0.00
02513	15.25	15.25	0.00	14.64	14.64	0.00
02513B	15.25	15.25	0.00	14.45	14.45	0.00
02514	16.15	16.15	0.00	15.90	15.90	0.00
02520A	16.15	16.15	0.00	15.90	15.90	0.00
02520Y	16.15	16.15	0.00	15.90	15.90	0.00
02521A	16.16	16.16	0.00	15.91	15.91	0.00
02522	16.15	16.15	0.00	15.90	15.90	0.00
02600	14.74	14.74	0.00	14.39	14.39	0.00
02610	15.23	15.23	0.00	15.01	15.01	0.00
02620	12.85	12.85	0.00	12.75	12.75	0.00
02701A	13.96	13.96	0.00	13.10	13.10	0.00
02701Y	8.20	8.20	0.00	7.25	7.25	0.00
02702	9.59	9.59	0.00	8.17	8.17	0.00
02703	12.84	12.84	0.00	12.75	12.75	0.00
02703F	9.87	9.87	0.00	9.05	9.05	0.00
02712	9.88	9.88	0.00	9.64	9.64	0.00
02713	15.17	15.17	0.00	15.11	15.11	0.00
02713F	15.14	15.14	0.00	14.94	14.94	0.00
02713G	15.31	15.31	0.00	15.12	15.12	0.00
02716	13.47	13.47	0.00	13.26	13.26	0.00
02717	14.34	14.34	0.00	13.97	13.97	0.00
02718	14.82	14.82	0.00	14.36	14.36	0.00
02718X	14.34	14.34	0.00	13.97	13.97	0.00
02719A	15.92	15.92	0.00	15.85	15.85	0.00
02719Y	15.84	15.84	0.00	15.78	15.78	0.00
02720A	15.31	15.31	0.00	15.02	15.02	0.00
02721	15.79	15.79	0.00	15.71	15.71	0.00
02722B	15.95	15.95	0.00	15.46	15.46	0.00
02722Y	15.31	15.31	0.00	15.03	15.03	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
02723	15.96	15.96	0.00	15.49	15.49	0.00
02724	16.01	16.01	0.00	15.93	15.93	0.00
02724F	16.00	16.00	0.00	15.79	15.79	0.00
02725	15.96	15.96	0.00	15.61	15.61	0.00
02726	15.97	15.97	0.00	15.62	15.62	0.00
02727	15.97	15.97	0.00	15.65	15.65	0.00
02728A	15.99	15.99	0.00	15.82	15.82	0.00
02728Y	16.09	16.09	0.00	16.02	16.02	0.00
02729	15.97	15.97	0.00	15.76	15.76	0.00
02730	15.29	15.29	0.00	14.81	14.81	0.00
02732	15.62	15.62	0.00	15.02	15.02	0.00
02740A	16.00	16.00	0.00	15.30	15.30	0.00
02740Y	15.84	15.84	0.00	15.28	15.28	0.00
02741A	16.14	16.14	0.00	15.90	15.90	0.00
02741C	16.15	16.15	0.00	15.90	15.90	0.00
02741Y	16.15	16.15	0.00	15.90	15.90	0.00
02742	16.01	16.01	0.00	15.63	15.63	0.00
02742A	17.02	17.02	0.00	16.91	16.91	0.00
02742B	17.02	17.02	0.00	16.91	16.91	0.00
02742C	17.03	17.03	0.00	16.91	16.91	0.00
02743	15.94	15.94	0.00	15.43	15.43	0.00
02750	16.00	16.00	0.00	15.62	15.62	0.00
02752A	16.16	16.16	0.00	15.90	15.90	0.00
02754	16.13	16.13	0.00	15.80	15.80	0.00
02755	16.16	16.16	0.00	15.90	15.90	0.00
02755A	16.63	16.63	0.00	16.61	16.61	0.00
02760	16.18	16.18	0.00	15.92	15.92	0.00
02761A	16.17	16.17	0.00	15.92	15.92	0.00
02761Y	16.18	16.18	0.00	16.00	16.00	0.00
02772	16.44	16.44	0.00	16.12	16.12	0.00
02781	16.53	16.53	0.00	16.25	16.25	0.00
02781F	16.18	16.18	0.00	16.03	16.03	0.00
02782	16.68	16.68	0.00	16.40	16.40	0.00
02782F	17.39	17.39	0.00	17.36	17.36	0.00
02790	16.68	16.68	0.00	16.37	16.37	0.00
02792	16.69	16.69	0.00	16.37	16.37	0.00
02793	15.66	15.66	0.00	15.23	15.24	0.00
02800	11.18	11.18	0.00	10.22	10.22	0.00
02805	11.29	11.29	0.00	11.21	11.21	0.00
02806	13.97	13.97	0.00	13.10	13.10	0.00
02810	14.12	14.12	0.00	13.58	13.58	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
02830	12.63	12.63	0.00	12.50	12.50	0.00
02850	8.02	8.02	0.00	7.81	7.81	0.00
02860A	13.95	13.96	0.01	13.43	13.43	0.00
02860Y	13.61	13.70	0.09	13.06	13.06	0.00
02900	1.44	4.09	2.65	1.43	4.09	2.65
02900F	5.05	5.05	0.00	5.02	5.02	0.00
02901F	1.43	4.09	2.66	1.43	4.08	2.66
02910	1.68	4.17	2.49	1.58	4.14	2.56
02910A	2.72	4.17	1.45	2.67	4.14	1.47
02911	7.87	7.87	0.00	7.71	7.71	0.00
02920	6.25	6.25	0.00	5.70	5.70	0.00
02930A	9.77	9.77	0.00	9.43	9.43	0.00
02930Y	7.52	7.52	0.00	6.88	6.88	0.00
02931	7.96	7.96	0.00	7.85	7.85	0.00
02935	8.59	8.59	0.00	8.53	8.53	0.00
02940	8.02	8.02	0.00	7.14	7.14	0.00
02950A	12.59	12.59	0.00	12.35	12.35	0.00
02950B	14.95	14.95	0.00	14.90	14.90	0.00
02950Y	13.57	13.57	0.00	13.38	13.38	0.00
02960	2.00	4.10	2.10	1.78	4.09	2.31
02970	6.46	6.46	0.00	6.32	6.32	0.00
02980	8.47	8.47	0.00	8.43	8.43	0.00
03000	2.76	4.08	1.32	2.17	4.08	1.92
03000F	3.48	4.08	0.60	3.43	4.08	0.66
08681A	17.12	17.12	0.00	16.95	16.95	0.00
08681B	17.01	17.01	0.00	16.91	16.91	0.00
08681Y	16.97	16.97	0.00	16.89	16.89	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	4.08	2.66	1.42	4.08	2.66
GULF10	1.42	4.08	2.66	1.42	4.08	2.66
GULF11	1.42	4.08	2.66	1.42	4.08	2.66
GULF2	1.42	4.08	2.66	1.42	4.08	2.66
GULF3	1.42	4.08	2.66	1.42	4.08	2.66
GULF4	1.42	4.08	2.66	1.42	4.08	2.66
GULF5	1.42	4.08	2.66	1.42	4.08	2.66
GULF6	1.42	4.08	2.66	1.42	4.08	2.66
GULF7	1.42	4.08	2.66	1.42	4.08	2.66
GULF8	1.42	4.08	2.66	1.42	4.08	2.66
GULF9	1.42	4.08	2.66	1.42	4.08	2.66
I02954	14.82	14.82	0.00	14.77	14.77	0.00
ICW	1.42	4.08	2.66	1.42	4.08	2.66

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
N00205	11.04	11.04	0.00	10.79	10.78	0.00
N00211	10.44	10.44	0.00	10.24	10.24	0.00
N00230	13.44	13.44	0.00	13.36	13.36	0.00
N00235	12.97	12.97	0.00	12.70	12.70	0.00
N00237	13.14	13.14	0.00	12.86	12.86	0.00
N00255	13.99	13.99	0.00	13.96	13.96	0.00
N00515	6.09	6.09	0.00	6.04	6.04	0.00
N00518	6.13	6.15	0.02	5.93	6.00	0.07
N00828	14.78	14.78	0.00	14.73	14.73	0.00
N00829	14.57	14.57	0.00	14.52	14.52	0.00
N00837	13.26	13.26	0.00	12.88	12.88	0.00
N00850	13.62	13.62	0.00	13.52	13.52	0.00
N00851	12.93	12.93	0.00	12.78	12.78	0.00
N00853	15.61	15.61	0.00	15.50	15.50	0.00
N00853A	16.69	16.69	0.00	16.56	16.56	0.00
N00853B	16.68	16.68	0.00	16.55	16.55	0.00
N00853C	16.83	16.83	0.00	16.81	16.81	0.00
N00853D	16.73	16.73	0.00	16.71	16.71	0.00
N00853E	16.42	16.42	0.00	16.41	16.41	0.00
N00856	15.80	15.80	0.00	15.60	15.60	0.00
N00857	14.94	14.94	0.00	14.83	14.83	0.00
N00860	15.06	15.06	0.00	15.02	15.02	0.00
N00863	14.96	14.96	0.00	14.85	14.85	0.00
N00865	15.19	15.19	0.00	15.11	15.11	0.00
N00903	10.99	10.99	0.00	10.89	10.89	0.00
N00905	12.85	12.85	0.00	12.82	12.82	0.00
N00910	11.10	11.10	0.00	11.08	11.08	0.00
N00914	10.24	10.24	0.00	10.15	10.15	0.00
N00930	12.01	12.01	0.00	11.75	11.75	0.00
N00940	11.83	11.83	0.00	11.61	11.61	0.00
N01015	11.31	11.31	0.00	11.24	11.24	0.00
N01020	11.44	11.44	0.00	11.40	11.40	0.00
N01022	11.42	11.42	0.00	11.38	11.38	0.00
N01401	6.64	6.65	0.00	6.58	6.59	0.01
N01463	13.53	13.53	0.00	13.51	13.51	0.00
N01468	13.95	13.95	0.00	13.84	13.84	0.00
N01824	14.92	14.92	0.00	14.78	14.78	0.00
N01826	13.99	13.99	0.00	13.77	13.77	0.00
N01830	14.27	14.27	0.00	14.03	14.03	0.00
N01832	15.26	15.26	0.00	14.83	14.83	0.00
N01833	15.56	15.56	0.00	15.35	15.35	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
N01834	15.62	15.62	0.00	15.61	15.61	0.00
N01835	14.71	14.71	0.00	14.47	14.47	0.00
N01836	14.71	14.71	0.00	14.47	14.47	0.00
N01837	14.93	14.93	0.00	14.61	14.61	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00
N01839	14.72	14.72	0.00	14.47	14.47	0.00
N01841	14.23	14.23	0.00	14.01	14.01	0.00
N01843	15.34	15.34	0.00	15.31	15.31	0.00
N01844	14.79	14.79	0.00	14.73	14.73	0.00
N01845	13.99	13.99	0.00	13.78	13.78	0.00
N01846	14.71	14.71	0.00	14.47	14.47	0.00
N01846A	14.71	14.71	0.00	14.47	14.47	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00
N01847_A	14.69	14.69	0.00	14.45	14.45	0.00
N01847A	14.71	14.71	0.00	14.47	14.47	0.00
N01848	14.72	14.72	0.00	14.47	14.47	0.00
N01848A	14.72	14.72	0.00	14.49	14.49	0.00
N01848B	14.62	14.62	0.00	14.44	14.44	0.00
N0184B	14.71	14.71	0.00	14.47	14.47	0.00
N01851	14.72	14.72	0.00	14.61	14.61	0.00
N01852	13.36	13.36	0.00	13.23	13.23	0.00
N01856	14.78	14.78	0.00	14.73	14.73	0.00
N01861	15.32	15.32	0.00	15.27	15.27	0.00
N01862	15.06	15.06	0.00	14.38	14.38	0.00
N01863	15.28	15.28	0.00	15.24	15.24	0.00
N01864	15.03	15.03	0.00	14.97	14.97	0.00
N01873	16.86	16.86	0.00	16.79	16.79	0.00
N02210	14.67	14.67	0.00	14.62	14.62	0.00
N02286	15.24	15.24	0.00	15.13	15.13	0.00
N02289	15.63	15.63	0.00	15.62	15.62	0.00
N02320	13.74	13.74	0.00	13.22	13.22	0.00
N02528	15.99	15.99	0.00	15.78	15.78	0.00
N02715	15.41	15.41	0.00	15.13	15.13	0.00
N02735	16.70	16.70	0.00	16.61	16.61	0.00
N02781	16.64	16.64	0.00	16.54	16.54	0.00
N02784	17.08	17.08	0.00	17.04	17.04	0.00
N02814	15.37	15.37	0.00	15.08	15.08	0.00
N02830	15.20	15.20	0.00	15.08	15.08	0.00
N02850	10.94	11.91	0.97	8.35	10.07	1.72
N02852	13.97	13.97	0.00	13.92	13.92	0.00
N02905	3.40	4.11	0.71	3.35	4.10	0.75

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Existing Conditions with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	ECM SLR	ECM SLR Δ Stage	ECM	ECM SLR	ECM SLR Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	4.08	2.66	1.42	4.08	2.66

C-1 100-YR 72-HR Floodplain Map

C-2 100-YR 24-HR Floodplain Map

C-3 25-YR 72-HR Floodplain Map

C-4 25-YR 24-HR Floodplain Map

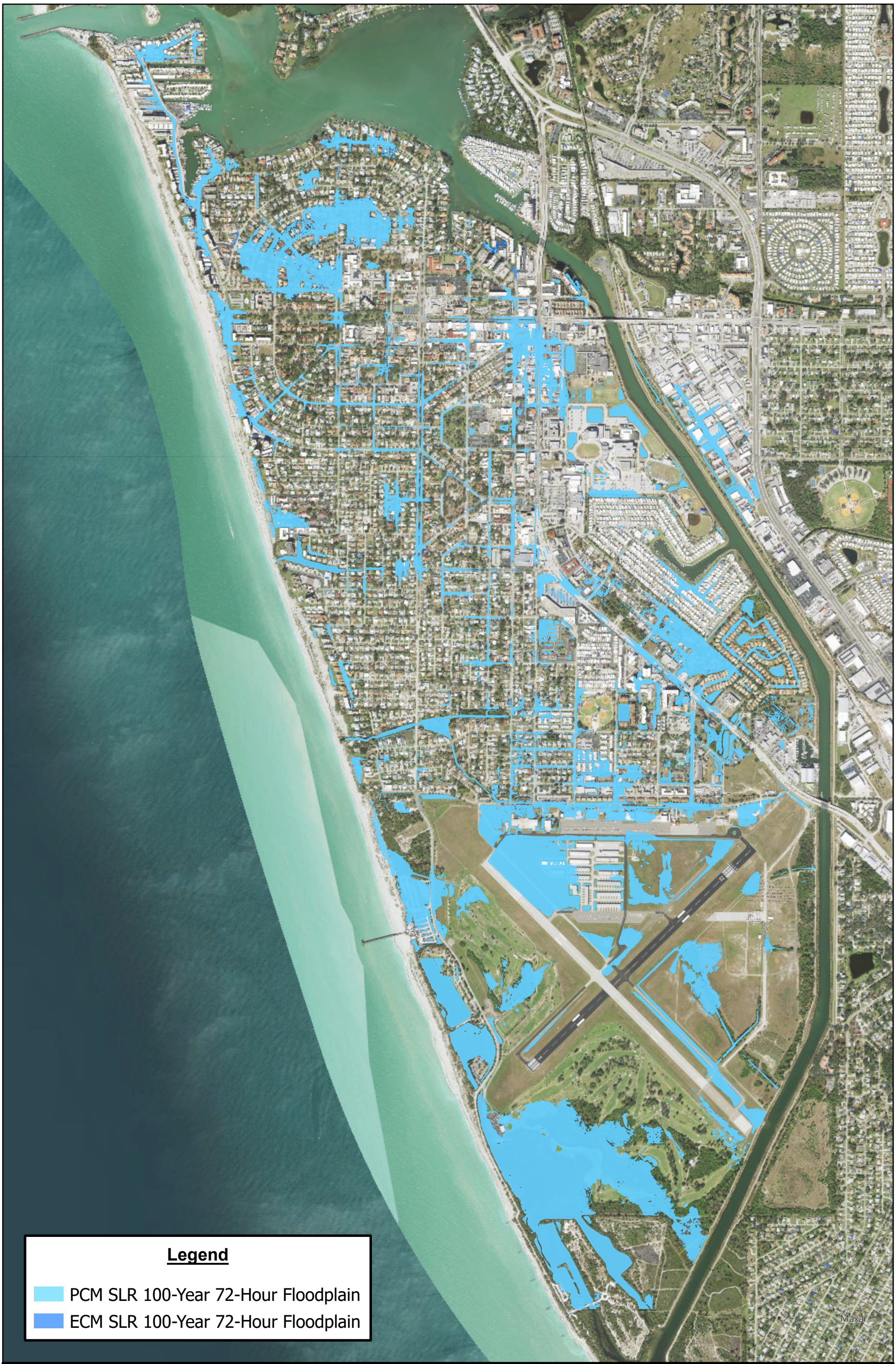
C-5 10-YR 24-HR Floodplain Map

C-6 5-YR 24-HR Floodplain Map

C-7 2-YR 24-HR Floodplain Map

- Node Maximum Stage Tables

Appendix C – Improvement Alternatives Under Future Conditions



IMPROVEMENT ALTERNATIVES - 2080 SEA LEVEL RISE
100-YEAR 72-HOUR FLOODPLAIN MAP
STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

C-1

Legend

PCM SLR 100-Year 24-Hour Floodplain

ECM SLR 100-Year 24-Hour Floodplain

Maxar

IMPROVEMENT ALTERNATIVES - 2080 SEA LEVEL RISE

100-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

C-2

Legend

PCM SLR 25-Year 72-Hour Floodplain

ECM SLR 25-Year 72-Hour Floodplain

Maxar

IMPROVEMENT ALTERNATIVES - 2080 SEA LEVEL RISE

25-YEAR 72-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

C-3

Legend

PCM SLR 25-Year 24-Hour Floodplain

ECM SLR 25-Year 24-Hour Floodplain

Maxar

IMPROVEMENT ALTERNATIVES - 2080 SEA LEVEL RISE

25-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

C-4



IMPROVEMENT ALTERNATIVES - 2080 SEA LEVEL RISE

10-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

C-5

Legend

PCM SLR 5-Year 24-Hour Floodplain

ECM SLR 5-Year 24-Hour Floodplain

Maxar

IMPROVEMENT ALTERNATIVES - 2080 SEA LEVEL RISE

5-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

C-6

Legend

PCM SLR 2-Year 24-Hour Floodplain

ECM SLR 2-Year 24-Hour Floodplain

Maxar

IMPROVEMENT ALTERNATIVES - 2080 SEA LEVEL RISE

2-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

C-7

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00100	8.42	8.41	-0.01	8.01	7.98	-0.03	7.29	7.23	-0.05	6.38	6.34	-0.04	5.51	5.49	-0.02
00100A	9.78	9.77	-0.01	9.56	9.55	-0.01	9.32	9.29	-0.03	8.80	8.72	-0.08	7.64	7.63	-0.01
00100B	9.82	9.81	-0.01	9.59	9.57	-0.01	9.34	9.30	-0.04	8.84	8.78	-0.06	7.81	7.78	-0.03
00100C	9.87	9.86	-0.01	9.62	9.60	-0.01	9.36	9.32	-0.04	8.86	8.80	-0.06	7.87	7.83	-0.03
00200	9.90	9.89	-0.01	9.63	9.62	-0.01	9.37	9.33	-0.04	8.87	8.81	-0.06	7.92	7.88	-0.04
00200A	6.11	6.11	-0.01	6.00	6.00	-0.01	5.91	5.90	-0.01	5.78	5.76	-0.01	5.62	5.59	-0.03
00204	10.39	10.38	-0.01	10.07	10.05	-0.02	9.81	9.79	-0.02	9.61	9.59	-0.02	9.25	9.22	-0.03
00210	10.67	10.65	-0.01	10.39	10.37	-0.01	10.18	10.16	-0.02	10.00	9.98	-0.02	9.70	9.67	-0.03
00212	11.81	11.79	-0.02	11.55	11.52	-0.02	11.35	11.33	-0.02	11.19	11.16	-0.03	10.95	10.92	-0.03
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.01	0.00	11.95	11.95	0.00	11.81	11.80	-0.01
00216	12.04	12.01	-0.03	11.75	11.72	-0.03	11.53	11.50	-0.03	11.36	11.33	-0.03	11.13	11.10	-0.03
00217	12.22	12.19	-0.03	11.92	11.89	-0.03	11.71	11.67	-0.03	11.54	11.51	-0.03	11.32	11.29	-0.03
00220	12.44	12.41	-0.03	12.14	12.10	-0.04	11.92	11.88	-0.03	11.76	11.72	-0.03	11.56	11.53	-0.03
00221	12.70	12.67	-0.03	12.42	12.38	-0.04	12.21	12.17	-0.04	12.05	12.02	-0.04	11.85	11.82	-0.03
00231	13.43	13.35	-0.08	13.32	13.20	-0.13	13.25	13.10	-0.15	13.19	13.01	-0.18	13.09	12.82	-0.27
00232	13.73	13.60	-0.13	13.63	13.45	-0.18	13.56	13.33	-0.23	13.51	13.23	-0.28	13.43	13.03	-0.40
00233	13.19	13.16	-0.03	12.93	12.90	-0.03	12.75	12.72	-0.03	12.63	12.62	-0.01	12.53	12.51	-0.01
00234	12.90	12.90	0.00	12.78	12.77	0.00	12.70	12.69	-0.01	12.63	12.62	0.00	12.55	12.55	0.00
00236	13.68	13.68	0.00	13.59	13.59	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.59	-0.02	13.38	13.34	-0.03	13.18	13.15	-0.03	13.03	13.00	-0.03	12.81	12.78	-0.03
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.75	0.00	13.54	13.53	-0.01
00242	13.79	13.76	-0.02	13.56	13.53	-0.03	13.36	13.34	-0.03	13.22	13.19	-0.03	13.00	12.96	-0.04
00250	14.06	14.04	-0.02	13.88	13.84	-0.03	13.70	13.67	-0.03	13.57	13.54	-0.03	13.33	13.28	-0.05
00251	13.77	13.77	-0.01	13.68	13.68	0.00	13.63	13.63	0.00	13.59	13.58	0.00	13.54	13.54	-0.01
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	5.06	5.04	-0.02	4.65	4.64	-0.01	4.47	4.46	-0.01	4.38	4.38	-0.01	4.29	4.29	0.00
00501	5.10	5.07	-0.02	4.67	4.66	-0.01	4.49	4.48	-0.01	4.39	4.39	-0.01	4.30	4.29	0.00
00502	5.34	5.31	-0.03	4.85	4.83	-0.02	4.61	4.60	-0.01	4.49	4.48	-0.01	4.36	4.35	0.00
00510	5.58	5.56	-0.02	5.30	5.28	-0.02	5.15	5.13	-0.02	5.04	5.03	-0.01	4.87	4.86	-0.01
00511	10.01	10.01	0.00	9.70	9.71	0.01	8.80	8.81	0.01	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.06	7.03	-0.03	6.69	6.65	-0.04	6.37	6.32	-0.05	6.03	5.96	-0.06	5.45	5.42	-0.04
00516	7.85	7.81	-0.05	7.28	7.22	-0.06	6.83	6.77	-0.06	6.44	6.37	-0.07	5.80	5.75	-0.04
00520	10.02	10.00	-0.02	9.78	9.76	-0.02	9.58	9.55	-0.04	9.38	9.34	-0.04	8.69	8.53	-0.16
00521	10.64	10.62	-0.02	10.43	10.41	-0.02	10.30	10.28	-0.02	10.20	10.18	-0.02	9.95	9.90	-0.05
00522	11.64	11.61	-0.03	11.32	11.29	-0.03	11.08	11.04	-0.04	10.92	10.89	-0.03	10.58	10.51	-0.08
00530	12.58	12.57	-0.01	12.38	12.36	-0.02	12.17	12.15	-0.03	11.94	11.91	-0.03	11.40	11.30	-0.11
00530x	12.17	12.15	-0.02	11.99	11.97	-0.02	11.82	11.80	-0.03	11.67	11.63	-0.04	11.25	11.14	-0.11
00531	12.81	12.78	-0.04	12.64	12.61	-0.03	12.53	12.50	-0.03	12.45	12.42	-0.03	12.33	12.29	-0.04
00532	13.59	13.59	0.00	13.44	13.45	0.01	13.35	13.37	0.02	13.27	13.30	0.03	13.17	13.22	0.05
00533	13.60	13.60	0.00	13.45	13.46	0.01	13.36	13.38	0.02	13.28	13.31	0.03	13.18	13.22	0.04

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00537	13.67	13.67	0.00	13.53	13.54	0.00	13.45	13.45	0.00	13.37	13.37	-0.01	13.27	13.27	0.00
00538	14.51	14.50	-0.01	14.45	14.43	-0.02	14.41	14.38	-0.03	14.38	14.33	-0.04	14.34	14.28	-0.06
00539	14.59	14.58	-0.01	14.54	14.52	-0.02	14.49	14.47	-0.03	14.46	14.43	-0.03	14.42	14.38	-0.04
00540	14.08	14.02	-0.06	14.01	13.95	-0.06	13.97	13.91	-0.06	13.93	13.87	-0.07	13.90	13.80	-0.10
00541A	14.19	14.13	-0.07	14.12	14.05	-0.07	14.08	14.00	-0.08	14.05	13.96	-0.09	13.99	13.91	-0.08
00541Y	14.45	14.40	-0.05	14.39	14.31	-0.09	14.35	14.20	-0.15	14.32	13.98	-0.33	14.25	13.79	-0.47
00542	14.77	14.53	-0.25	14.72	14.31	-0.41	14.69	14.19	-0.50	14.67	14.13	-0.53	14.63	14.07	-0.57
00543	14.94	14.93	-0.01	14.89	14.87	-0.03	14.85	14.81	-0.04	14.81	14.77	-0.04	14.77	14.71	-0.06
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.53	0.00
00545	15.14	15.14	0.00	15.06	15.05	-0.01	15.00	14.98	-0.02	14.95	14.92	-0.03	14.84	14.75	-0.08
00546	13.77	13.76	-0.01	13.63	13.64	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00
00547	13.78	13.77	-0.01	13.65	13.65	0.00	13.57	13.57	0.00	13.50	13.50	0.00	13.43	13.43	0.00
00548	14.54	14.52	-0.01	14.50	14.48	-0.02	14.48	14.45	-0.03	14.47	14.44	-0.03	14.45	14.42	-0.03
00560	13.71	13.70	0.00	13.45	13.45	-0.01	13.14	13.12	-0.02	12.70	12.67	-0.03	11.84	11.73	-0.11
00561	13.72	13.72	0.00	13.47	13.46	-0.01	13.16	13.14	-0.02	12.79	12.78	-0.01	12.66	12.65	-0.01
00562	13.96	13.96	0.00	13.76	13.76	0.00	13.58	13.57	0.00	13.43	13.43	0.00	13.36	13.36	0.00
00563	14.16	14.16	0.00	14.07	14.07	0.00	13.96	13.96	0.00	13.85	13.85	0.00	12.76	12.64	-0.12
00564	15.20	15.20	0.00	14.99	14.99	0.00	14.66	14.66	0.00	14.32	14.31	-0.01	12.98	12.86	-0.13
00565	16.01	16.01	0.00	15.44	15.44	0.00	15.10	15.09	0.00	14.69	14.68	-0.01	13.20	13.06	-0.13
00571	14.16	14.16	0.00	13.90	13.90	-0.01	13.55	13.53	-0.02	13.11	13.08	-0.03	12.10	11.99	-0.11
00572	14.38	14.38	0.00	14.21	14.20	0.00	14.00	13.99	-0.01	13.62	13.60	-0.02	12.42	12.31	-0.11
00574	14.83	14.83	0.00	14.66	14.66	0.00	14.48	14.47	0.00	14.13	14.11	-0.02	12.74	12.62	-0.12
005741	14.82	14.82	0.00	14.65	14.65	0.00	14.48	14.47	-0.01	14.13	14.11	-0.02	12.75	12.63	-0.12
00574F	14.90	14.90	0.00	14.72	14.72	0.00	14.55	14.54	-0.01	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.89	0.00	14.71	14.71	0.00	14.54	14.54	0.00	14.29	14.27	-0.01	12.99	12.86	-0.13
00575B	14.90	14.89	0.00	14.71	14.71	0.00	14.54	14.53	0.00	14.28	14.27	-0.01	13.99	13.99	0.00
00576	15.84	15.83	0.00	15.44	15.44	0.00	15.11	15.10	0.00	14.73	14.71	-0.01	13.24	13.11	-0.13
00577	15.90	15.90	0.00	15.51	15.51	0.00	15.20	15.20	0.00	14.83	14.82	-0.01	13.30	13.17	-0.14
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.18	16.18	0.00	15.75	15.75	0.00	15.46	15.46	0.00	15.11	15.10	-0.01	13.46	13.31	-0.14
00582	16.54	16.54	0.00	16.26	16.26	0.00	15.75	15.74	-0.01	15.29	15.27	-0.02	13.53	13.38	-0.15
00583	16.69	16.69	0.00	16.36	16.35	0.00	15.81	15.80	-0.01	15.32	15.30	-0.02	13.54	13.39	-0.15
00584	16.18	16.18	0.00	15.79	15.79	0.00	15.60	15.59	0.00	15.31	15.30	-0.01	13.59	13.44	-0.15
00585	16.18	16.18	0.00	15.80	15.80	0.00	15.67	15.67	0.00	15.45	15.44	-0.01	13.69	13.54	-0.15
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.62	15.62	0.00	13.84	13.68	-0.16
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.42	7.42	0.00	6.54	6.54	0.00	6.04	6.04	0.00	5.77	5.77	0.00	5.48	5.48	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	5.21	5.21	0.00	4.71	4.71	0.00	4.49	4.49	0.00	4.39	4.39	0.00	4.31	4.31	0.00
00802	8.44	8.44	0.00	7.50	7.50	0.00	6.94	6.94	0.00	6.61	6.61	0.00	6.25	6.25	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00811	9.81	9.81	0.00	8.62	8.62	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.06	7.06	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.85	9.85	0.00	8.67	8.67	0.00	7.98	7.98	0.00	7.58	7.58	0.00	7.14	7.14	0.00
00821	11.25	11.25	0.00	9.41	9.41	0.00	8.58	8.58	0.00	8.08	8.08	0.00	7.53	7.53	0.00
00823	11.30	11.30	0.00	9.52	9.52	0.00	8.77	8.77	0.00	8.32	8.32	0.00	7.86	7.86	0.00
00824	11.35	11.35	0.00	9.65	9.65	0.00	9.04	9.04	0.00	8.75	8.75	0.00	8.54	8.54	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.02	10.02	0.00	8.91	8.91	0.00	8.21	8.21	0.00	7.81	7.81	0.00	7.37	7.37	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.12	10.12	0.00	8.99	8.99	0.00	8.31	8.31	0.00	7.92	7.92	0.00	7.51	7.51	0.00
008331	10.15	10.15	0.00	9.02	9.02	0.00	8.34	8.34	0.00	7.96	7.96	0.00	7.55	7.55	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.18	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.76	15.77	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.53	6.53	0.00	6.13	6.13	0.00	5.65	5.65	0.00	5.31	5.31	0.00	4.90	4.90	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.01	9.02	0.02	8.56	8.60	0.04	8.06	8.16	0.10	7.43	7.60	0.16	6.89	7.04	0.16
01005	9.04	9.06	0.01	8.60	8.64	0.04	8.11	8.20	0.09	7.49	7.64	0.15	6.97	7.11	0.14
01020	9.62	9.62	0.00	9.45	9.45	0.00	8.79	8.85	0.07	7.90	7.99	0.08	7.31	7.31	0.00
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.01	9.02	0.01	8.55	8.59	0.04	8.06	8.15	0.10	7.49	7.61	0.12	6.99	7.12	0.13
01100F	9.00	9.02	0.01	8.55	8.59	0.04	8.06	8.16	0.10	7.53	7.64	0.11	7.35	7.35	0.00
01100G	9.00	9.01	0.01	8.54	8.57	0.03	8.15	8.16	0.01	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.73	8.73	0.01	8.47	8.52	0.04	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	9.00	9.02	0.01	8.55	8.59	0.04	8.07	8.16	0.09	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	9.02	0.01	8.55	8.59	0.04	8.06	8.16	0.09	7.50	7.62	0.12	7.02	7.14	0.11
01200	4.09	4.09	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
01201	4.13	4.13	0.00	4.10	4.10	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00
01201F	4.22	4.22	0.00	4.17	4.17	0.00	4.14	4.14	0.00	4.13	4.13	0.00	4.11	4.11	0.00
01202	4.09	4.09	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
01203	4.49	4.51	0.02	4.21	4.22	0.01	4.14	4.15	0.01	4.13	4.13	0.01	4.12	4.12	0.01
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.64	5.60	-0.03	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.49	4.51	0.02	4.21	4.22	0.01	4.13	4.14	0.01	4.12	4.13	0.01	4.11	4.12	0.00
01222	5.95	5.92	-0.03	5.30	5.18	-0.12	4.65	4.56	-0.09	4.56	4.46	-0.10	4.42	4.33	-0.08

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01223	5.95	5.92	-0.03	5.30	5.18	-0.12	4.65	4.56	-0.08	4.56	4.47	-0.09	4.42	4.34	-0.08
01224	5.95	5.93	-0.03	5.31	5.19	-0.12	4.65	4.57	-0.08	4.57	4.48	-0.09	4.43	4.35	-0.08
01225	6.11	6.08	-0.03	5.41	5.31	-0.10	4.82	4.79	-0.03	4.77	4.73	-0.04	4.63	4.55	-0.08
01226	6.86	6.83	-0.03	6.10	6.01	-0.09	5.51	5.49	-0.02	5.37	5.34	-0.03	5.02	4.95	-0.07
01227	7.36	7.33	-0.02	6.58	6.49	-0.09	5.95	5.94	-0.02	5.76	5.74	-0.02	5.28	5.21	-0.07
01228	7.84	7.83	-0.02	7.08	6.99	-0.09	6.33	6.32	-0.01	6.12	6.10	-0.02	5.67	5.67	0.00
01229	9.03	8.95	-0.08	7.97	7.88	-0.09	7.02	6.92	-0.09	6.62	6.61	-0.01	6.00	6.00	0.00
01230	8.39	8.37	-0.01	8.00	7.97	-0.03	7.08	6.96	-0.12	6.63	6.62	-0.01	6.01	6.01	0.00
01231	8.64	8.62	-0.02	7.99	7.92	-0.06	7.12	7.04	-0.08	6.71	6.71	-0.01	6.07	6.07	-0.01
01232	8.38	8.36	-0.01	7.99	7.97	-0.03	7.29	7.24	-0.05	6.81	6.80	0.00	6.14	6.14	-0.01
01233	8.43	8.41	-0.01	8.01	7.98	-0.03	7.29	7.24	-0.05	6.84	6.84	0.00	6.22	6.21	0.00
01234	8.43	8.41	-0.01	8.01	7.98	-0.03	7.29	7.24	-0.05	6.84	6.84	0.00	6.22	6.21	0.00
01300	4.10	4.10	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01400	5.33	5.32	-0.01	5.18	5.17	-0.01	5.06	5.05	-0.01	4.97	4.95	-0.02	4.83	4.80	-0.03
01401	6.55	6.50	-0.05	6.29	6.26	-0.03	6.08	6.06	-0.02	5.91	5.88	-0.03	5.65	5.59	-0.06
01402	6.62	6.56	-0.06	6.33	6.30	-0.03	6.12	6.09	-0.02	5.95	5.92	-0.03	5.69	5.63	-0.06
01403	7.60	7.39	-0.21	6.83	6.78	-0.05	6.52	6.47	-0.05	6.32	6.28	-0.04	6.01	5.94	-0.07
01410	8.76	8.64	-0.11	7.97	7.85	-0.12	7.43	7.35	-0.07	7.14	7.08	-0.06	6.73	6.63	-0.10
01411	8.96	8.92	-0.04	8.24	8.10	-0.14	7.64	7.53	-0.11	7.23	7.15	-0.08	6.79	6.69	-0.10
01412	9.14	9.09	-0.05	8.75	8.67	-0.08	8.36	8.14	-0.23	7.50	7.39	-0.11	6.98	6.85	-0.12
01413	9.14	9.09	-0.05	8.76	8.67	-0.09	8.38	8.21	-0.17	7.88	7.72	-0.16	7.24	7.10	-0.15
01414	9.77	8.66	-1.11	9.73	6.85	-2.88	9.69	6.83	-2.86	9.47	6.83	-2.64	8.35	6.83	-1.52
01415	9.14	9.09	-0.05	8.76	8.67	-0.08	8.38	8.22	-0.17	7.88	7.72	-0.16	7.25	7.10	-0.15
01416	9.14	9.09	-0.05	8.76	8.67	-0.08	8.38	8.22	-0.16	7.88	7.72	-0.16	7.25	7.10	-0.15
01417	9.15	9.10	-0.05	8.76	8.68	-0.08	8.39	8.22	-0.16	7.88	7.72	-0.16	7.25	7.11	-0.14
01420	9.13	9.08	-0.05	8.72	8.61	-0.11	8.06	8.00	-0.06	7.80	7.73	-0.07	7.32	7.20	-0.12
01421	8.96	8.90	-0.06	8.70	8.60	-0.10	8.34	8.24	-0.10	8.11	8.02	-0.10	7.77	7.67	-0.09
01422	8.91	8.85	-0.06	8.70	8.59	-0.11	8.53	8.35	-0.17	8.36	8.16	-0.19	8.14	7.94	-0.20
01430	9.17	9.12	-0.05	8.80	8.73	-0.06	8.56	8.54	-0.02	8.40	8.36	-0.04	7.90	7.75	-0.14
01431	9.17	9.12	-0.05	8.80	8.74	-0.06	8.58	8.56	-0.02	8.43	8.40	-0.03	8.15	8.12	-0.03
01432	9.17	9.12	-0.05	8.80	8.74	-0.06	8.62	8.61	-0.01	8.52	8.50	-0.02	8.32	8.29	-0.03
01433	9.18	9.13	-0.05	8.80	8.74	-0.06	8.63	8.62	-0.01	8.53	8.52	-0.01	8.43	8.41	-0.01
01440	9.19	9.14	-0.05	8.83	8.78	-0.05	8.67	8.66	-0.01	8.55	8.53	-0.02	8.34	8.30	-0.04
01441	9.18	9.14	-0.05	8.82	8.77	-0.05	8.66	8.65	-0.01	8.55	8.52	-0.02	8.33	8.30	-0.04
01442	9.30	9.28	-0.02	9.12	9.11	-0.01	9.00	8.98	-0.01	8.88	8.86	-0.02	8.68	8.65	-0.03
01450	9.31	9.30	-0.01	9.15	9.14	-0.01	9.05	9.04	-0.01	8.96	8.95	-0.01	8.86	8.85	-0.01
01451	9.21	9.17	-0.04	8.91	8.90	-0.01	8.82	8.81	-0.01	8.75	8.74	-0.01	8.68	8.68	-0.01
01452	10.70	10.69	-0.01	10.53	10.52	-0.01	10.43	10.42	-0.01	10.37	10.35	-0.01	10.28	10.27	-0.01
01453	10.89	10.88	-0.01	10.71	10.70	-0.01	10.60	10.58	-0.02	10.52	10.51	-0.02	10.43	10.42	-0.01
01454	12.73	12.72	-0.01	12.58	12.57	-0.02	12.48	12.46	-0.02	12.41	12.38	-0.03	12.30	12.28	-0.03
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.85	-0.01
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.36	12.35	0.00
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.67	-0.01
01463	13.25	13.25	0.01	13.18	13.18	0.00	13.14	13.14	0.00	13.10	13.09	-0.01	13.04	13.01	-0.03

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.58	0.01	13.55	13.56	0.02	13.52	13.54	0.02
01463G	13.63	13.63	0.00	13.59	13.60	0.01	13.57	13.58	0.01	13.54	13.56	0.02	13.52	13.54	0.02
01464	13.53	13.52	-0.01	13.42	13.39	-0.02	13.34	13.30	-0.04	13.28	13.23	-0.05	13.19	13.12	-0.07
01465	13.90	13.91	0.01	13.84	13.86	0.02	13.80	13.82	0.02	13.77	13.80	0.02	13.73	13.76	0.03
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.34	5.24	-0.10	5.20	5.10	-0.10	5.12	5.00	-0.12	5.06	4.93	-0.13	4.98	4.83	-0.15
01501	5.35	5.25	-0.10	5.21	5.11	-0.10	5.13	5.01	-0.11	5.06	4.94	-0.12	4.98	4.84	-0.14
01502	5.37	5.27	-0.10	5.22	5.12	-0.10	5.13	5.02	-0.12	5.07	4.94	-0.13	4.98	4.84	-0.15
01503	5.84	5.77	-0.06	5.55	5.48	-0.07	5.40	5.32	-0.08	5.28	5.18	-0.10	5.10	4.95	-0.15
01504	5.34	5.24	-0.10	5.21	5.10	-0.10	5.12	5.01	-0.12	5.06	4.93	-0.13	4.98	4.83	-0.15
01510	6.25	6.35	0.10	6.19	6.26	0.07	6.15	6.17	0.02	6.12	6.10	-0.02	6.07	5.98	-0.09
01520	7.68	7.56	-0.12	7.61	7.22	-0.40	7.58	6.88	-0.70	7.55	6.67	-0.88	7.46	6.45	-1.00
01530	8.33	7.99	-0.34	7.95	7.41	-0.53	7.76	7.09	-0.67	7.69	6.88	-0.82	7.59	6.67	-0.91
01531	7.11	7.06	-0.05	6.98	6.97	-0.01	6.94	6.91	-0.02	6.91	6.86	-0.04	6.87	6.79	-0.08
01532	7.00	7.00	0.00	6.94	6.92	-0.01	6.89	6.88	-0.02	6.86	6.84	-0.02	6.82	6.78	-0.04
01540	8.90	8.84	-0.06	8.69	8.58	-0.11	8.52	8.35	-0.18	8.36	8.16	-0.20	8.14	7.93	-0.21
01541	8.90	8.85	-0.06	8.69	8.59	-0.11	8.52	8.35	-0.17	8.36	8.16	-0.20	8.14	7.93	-0.21
01550	8.91	8.85	-0.06	8.70	8.59	-0.11	8.53	8.35	-0.17	8.36	8.16	-0.20	8.14	7.94	-0.20
01551	8.91	8.85	-0.06	8.69	8.59	-0.11	8.52	8.35	-0.17	8.36	8.16	-0.20	8.14	7.93	-0.21
01552	8.91	8.85	-0.06	8.70	8.59	-0.11	8.53	8.35	-0.17	8.36	8.17	-0.20	8.15	7.95	-0.20
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.32	0.00	9.28	9.28	0.00	9.22	9.22	0.00
01600	6.27	6.27	0.00	6.23	6.23	0.00	6.20	6.20	0.00	6.17	6.17	0.00	5.90	5.90	0.00
01601	5.88	5.88	0.00	5.74	5.74	0.00	5.35	5.35	0.00	4.98	4.98	0.00	4.66	4.66	0.00
01700	6.70	6.24	-0.45	6.02	5.77	-0.25	5.85	5.55	-0.30	5.71	5.44	-0.28	5.47	5.31	-0.16
01701	6.50	6.13	-0.37	5.95	5.74	-0.21	5.78	5.54	-0.24	5.64	5.43	-0.22	5.44	5.31	-0.13
01710	8.89	8.87	-0.03	8.78	8.74	-0.04	8.68	8.49	-0.20	8.41	7.93	-0.48	7.73	7.54	-0.19
01711	8.88	8.83	-0.04	8.77	8.70	-0.08	8.68	8.39	-0.28	8.42	7.90	-0.51	7.78	7.54	-0.23
01712	7.79	7.80	0.00	7.69	7.70	0.01	7.61	7.64	0.03	7.56	7.57	0.01	7.50	7.48	-0.02
01713	10.15	8.88	-1.26	10.10	8.28	-1.82	10.07	8.00	-2.07	10.05	7.83	-2.22	10.00	7.64	-2.36
01720	9.83	9.83	0.00	9.69	9.69	-0.01	9.59	9.56	-0.03	9.47	9.36	-0.11	8.97	8.81	-0.16
01730	11.07	11.07	0.00	11.02	11.02	0.00	10.97	10.97	0.00	10.91	10.89	-0.02	10.42	10.30	-0.12
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.07	0.00	12.99	12.99	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.09	14.09	0.00	13.84	13.85	0.01
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.29	14.29	0.00	14.20	14.20	0.00	13.89	13.90	0.01
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.63	0.01	13.57	13.58	0.01
01751	13.83	13.84	0.00	13.76	13.77	0.00	13.72	13.72	0.00	13.68	13.68	0.01	13.62	13.63	0.01
01752	13.85	13.90	0.04	13.79	13.83	0.04	13.73	13.79	0.06	13.68	13.76	0.08	13.62	13.71	0.09
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.70	13.70	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.70	13.70	0.00
01770	14.08	14.07	-0.01	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.69	13.69	0.00
01800	8.64	8.15	-0.49	8.06	5.97	-2.09	6.93	5.07	-1.87	6.08	4.64	-1.44	5.44	4.43	-1.01
01810	10.47	10.44	-0.03	10.25	8.00	-2.25	7.73	7.41	-0.31	7.12	7.12	0.00	6.88	6.88	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01820	10.53	10.50	-0.03	10.31	9.78	-0.53	9.03	6.56	-2.47	7.38	5.31	-2.07	6.17	4.80	-1.37
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.02	10.66	-0.36	10.78	9.98	-0.80	9.72	6.97	-2.75	7.81	5.55	-2.25	6.42	4.92	-1.50
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.99	11.99	0.01	11.71	11.70	-0.01	11.11	10.46	-0.65	8.61	8.69	0.08	7.88	7.77	-0.11
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.22	12.25	0.03	11.98	12.05	0.07	11.58	11.79	0.21	11.19	11.54	0.34	10.65	11.04	0.39
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.27	0.03	12.01	12.07	0.06	11.69	11.83	0.15	11.42	11.62	0.21	10.92	11.39	0.47
01870	12.26	12.29	0.03	12.02	12.08	0.06	11.70	11.84	0.15	11.43	11.63	0.20	10.99	11.40	0.41
01880	12.36	12.38	0.02	12.13	12.17	0.04	11.96	11.99	0.03	11.88	11.90	0.02	11.79	11.80	0.01
01900	5.65	5.65	0.00	5.47	5.48	0.01	5.29	5.31	0.02	5.14	5.19	0.04	4.74	4.94	0.20
01901	7.11	7.11	0.00	6.76	6.79	0.03	6.41	6.45	0.04	6.13	6.21	0.08	5.34	5.75	0.40
01902	8.12	8.13	0.01	7.55	7.59	0.04	7.14	7.20	0.06	6.82	6.92	0.10	5.74	6.33	0.59
01911	8.13	8.14	0.01	7.56	7.59	0.04	7.15	7.21	0.06	6.82	6.92	0.10	5.75	6.33	0.59
01920	9.40	9.41	0.01	8.50	8.55	0.05	8.07	8.14	0.07	7.70	7.83	0.13	6.63	7.10	0.47
01921	10.77	10.79	0.02	9.48	9.53	0.05	9.06	9.15	0.08	8.69	8.85	0.15	7.24	8.00	0.76
01930	11.61	11.63	0.02	10.85	10.89	0.05	10.51	10.61	0.10	10.18	10.37	0.19	8.11	9.35	1.24
01940	12.26	12.28	0.02	12.02	12.08	0.05	11.69	11.83	0.14	11.35	11.59	0.24	8.78	10.38	1.60
01950	12.26	12.28	0.02	12.02	12.08	0.05	11.69	11.83	0.14	11.36	11.59	0.24	8.82	10.40	1.58
01953	12.27	12.29	0.02	12.03	12.08	0.05	11.72	11.85	0.13	11.41	11.62	0.21	9.06	10.53	1.46
01954	12.35	12.36	0.02	12.10	12.14	0.04	11.95	11.97	0.02	11.86	11.88	0.02	11.31	11.58	0.27
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.58	9.61	0.03	7.46	7.93	0.47	6.39	6.39	0.00	5.72	5.72	0.00	5.14	5.14	0.00
02110	10.34	10.39	0.04	8.68	9.26	0.59	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.90	10.92	0.02	10.56	10.61	0.05	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.70	10.76	0.05	9.12	9.83	0.71	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	11.00	11.05	0.05	10.69	10.76	0.06	9.06	9.06	0.00	8.19	8.19	0.00	7.41	7.41	0.00
02170	10.92	10.94	0.02	10.68	10.75	0.07	9.06	9.06	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.58	12.59	0.01	12.26	12.27	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	10.16	10.17	0.01	9.56	9.58	0.02	9.19	9.25	0.05	8.78	8.88	0.10	8.36	8.36	0.00
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	7.52	7.53	0.00	7.01	7.02	0.01	6.73	6.75	0.02	6.45	6.49	0.04	6.22	6.22	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.72	10.73	0.01	10.03	10.05	0.02	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.68	12.68	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.84	12.84	0.00
02250	12.40	12.41	0.01	11.99	12.02	0.04	11.39	11.49	0.10	10.81	10.99	0.18	10.09	10.09	0.00
02250B	12.84	12.84	0.00	12.71	12.71	0.00	12.59	12.61	0.02	12.50	12.50	0.00	12.37	12.37	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.54	0.00	12.38	12.38	0.00	12.04	12.10	0.06	11.20	11.34	0.14	10.59	10.59	0.00
02253	12.44	12.44	0.01	12.30	12.31	0.01	11.99	12.01	0.02	11.86	11.86	0.00	11.74	11.74	0.00
02254A	12.58	12.59	0.00	12.45	12.45	0.00	12.33	12.33	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.27	12.29	0.02	12.09	12.11	0.02	12.04	12.04	0.00	11.99	11.99	0.00	11.94	11.94	0.00
02260	12.40	12.41	0.02	12.10	12.14	0.04	11.70	11.82	0.12	11.22	11.43	0.21	10.66	10.66	0.00
02261	12.36	12.38	0.02	12.09	12.13	0.04	11.70	11.83	0.13	11.23	11.45	0.22	10.96	10.96	0.00
02270	12.50	12.51	0.01	12.36	12.38	0.01	12.22	12.25	0.03	12.05	12.10	0.05	11.82	11.82	0.00
02271	12.54	12.54	0.00	12.45	12.45	0.00	12.39	12.39	0.01	12.31	12.31	0.01	12.17	12.17	0.00
02271F	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.16	0.00	13.08	13.07	0.00	12.95	12.95	0.00
02272	12.79	12.79	0.00	12.67	12.67	0.00	12.55	12.55	0.00	12.41	12.41	0.00	12.23	12.23	0.00
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.24	13.24	0.00	12.85	12.84	0.00	12.51	12.50	0.00
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.92	13.92	0.00	13.27	13.26	-0.01	12.77	12.77	0.00
02280	13.23	13.23	0.00	13.11	13.11	0.00	13.04	13.04	0.00	12.99	12.99	0.00	12.90	12.89	0.00
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.67	0.00	13.36	13.35	-0.01
02281Y	13.52	13.52	0.00	13.40	13.39	0.00	13.34	13.34	0.00	13.30	13.30	0.00	13.23	13.23	0.00
02282A	14.47	14.47	0.00	14.23	14.23	0.00	14.08	14.08	0.00	13.97	13.97	0.00	13.84	13.84	-0.01
02282B	14.57	14.56	0.00	14.33	14.33	0.00	14.21	14.21	0.00	14.12	14.11	0.00	14.00	13.99	-0.01
02282Y	14.15	14.15	0.00	14.00	14.00	0.00	13.92	13.92	0.00	13.86	13.86	0.00	13.77	13.76	-0.01
02283	15.14	15.14	0.00	15.05	15.05	0.00	14.98	14.97	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
02292	11.95	11.95	0.00	11.13	11.13	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.79	11.79	0.00	11.03	11.03	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.68	12.68	0.00	11.24	11.25	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.41	12.42	0.01	12.13	12.14	0.01	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.70	12.70	0.00	12.58	12.60	0.02	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.27	11.27	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.59	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	0.00	15.61	15.61	0.00	15.31	15.31	0.00	14.96	14.95	-0.01	13.37	13.23	-0.14
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.70	9.70	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	14.00	14.00	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.83	13.83	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.01	5.01	0.00
02901F	4.09	4.09	0.00	4.09	4.09	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
02910	4.17	4.20	0.03	4.15	4.17	0.02	4.13	4.15	0.02	4.11	4.13	0.01	4.10	4.11	0.01
02910A	4.18	4.20	0.03	4.15	4.17	0.02	4.13	4.15	0.02	4.12	4.13	0.01	4.11	4.12	0.01
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	4.10	4.11	0.00	4.10	4.10	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
03000F	4.09	4.09	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF10	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF11	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF2	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF3	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
GULF4	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF5	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF6	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF7	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF8	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF9	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
N00205	11.22	11.21	-0.01	11.00	10.98	-0.02	10.82	10.80	-0.02	10.65	10.62	-0.03	10.30	10.27	-0.03
N00211	10.58	10.57	-0.01	10.41	10.40	-0.01	10.27	10.26	-0.01	10.17	10.16	-0.01	10.09	10.08	-0.01
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.22	-0.02	12.85	12.83	-0.02
N00235	13.20	13.16	-0.03	12.95	12.91	-0.04	12.75	12.71	-0.04	12.60	12.56	-0.04	12.41	12.37	-0.04
N00237	13.37	13.34	-0.03	13.12	13.08	-0.04	12.91	12.88	-0.04	12.76	12.73	-0.03	12.58	12.55	-0.03
N00255	14.05	14.04	-0.01	13.99	13.99	0.00	13.97	13.96	0.00	13.95	13.95	0.00	13.94	13.93	-0.01
N00515	6.16	6.16	0.00	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.30	6.28	-0.02	6.11	6.10	-0.01	6.00	5.99	-0.01	5.93	5.91	-0.01	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.64	6.63	-0.01	6.59	6.57	-0.02	6.52	6.43	-0.09	6.01	5.56	-0.45
N01463	13.57	13.57	0.00	13.54	13.55	0.00	13.53	13.53	0.01	13.51	13.52	0.01	13.49	13.50	0.01
N01468	14.09	14.05	-0.03	13.93	13.88	-0.05	13.86	13.82	-0.04	13.82	13.79	-0.04	13.79	13.75	-0.04

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.32	0.00	15.23	15.22	0.00	15.14	15.13	-0.01	15.02	14.99	-0.03	14.83	14.76	-0.07
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	12.40	12.40	0.00	10.49	10.49	0.00	9.07	9.07	0.00	8.20	8.20	0.00	7.85	7.85	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	4.12	4.12	0.00	4.10	4.11	0.00	4.10	4.10	0.00	4.10	4.10	0.00	4.09	4.09	0.00
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
John Nolen Park	-	13.46	-	-	13.06	-	-	12.82	-	-	12.68	-	-	12.51	-
Venezia Park	-	14.46	-	-	14.12	-	-	13.83	-	-	13.61	-	-	13.31	-
Prentiss French Park	-	8.78	-	-	8.51	-	-	8.28	-	-	8.09	-	-	7.87	-
00533A	-	12.85	-	-	12.68	-	-	12.58	-	-	12.50	-	-	12.37	-
Parking Storage	-	11.52	-	-	11.19	-	-	10.38	-	-	8.69	-	-	7.77	-

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00100	8.23	8.20	-0.04	7.31	7.21	-0.09
00100A	9.62	9.61	-0.01	9.33	9.28	-0.05
00100B	9.65	9.64	-0.01	9.35	9.30	-0.05
00100C	9.69	9.68	-0.01	9.36	9.31	-0.05
00200	9.71	9.70	-0.02	9.37	9.32	-0.05
00200A	6.03	6.02	-0.01	5.91	5.89	-0.01
00204	10.14	10.13	-0.02	9.79	9.76	-0.03
00210	10.45	10.43	-0.02	10.15	10.13	-0.03
00212	11.58	11.55	-0.03	11.30	11.28	-0.03
00215	12.10	12.10	0.00	11.99	11.98	0.00
00216	11.78	11.75	-0.04	11.48	11.45	-0.03
00217	11.96	11.92	-0.04	11.65	11.62	-0.04
00220	12.17	12.13	-0.04	11.86	11.82	-0.04
00221	12.45	12.41	-0.04	12.15	12.11	-0.04
00231	13.33	13.21	-0.12	13.23	13.07	-0.16
00232	13.64	13.46	-0.18	13.55	13.30	-0.25
00233	12.95	12.92	-0.03	12.70	12.67	-0.03
00234	12.78	12.77	-0.01	12.67	12.66	-0.01
00236	13.59	13.59	0.00	13.51	13.51	0.00
00240	13.40	13.36	-0.04	13.12	13.09	-0.03
00241	13.90	13.90	0.00	13.81	13.80	0.00
00242	13.58	13.55	-0.04	13.31	13.28	-0.03
00250	13.90	13.86	-0.04	13.65	13.62	-0.03
00251	13.69	13.68	0.00	13.62	13.61	-0.01
00252	14.65	14.65	0.00	14.57	14.57	0.00
00300	8.73	8.73	0.00	8.68	8.68	0.00
00301	9.73	9.73	0.00	9.57	9.57	0.00
00400	8.72	8.72	0.00	8.64	8.64	0.00
00401	8.71	8.71	0.00	8.64	8.64	0.00
00500	4.73	4.71	-0.02	4.47	4.46	-0.01
00501	4.75	4.73	-0.02	4.49	4.47	-0.01
00502	4.95	4.92	-0.03	4.61	4.59	-0.02
00510	5.36	5.34	-0.02	5.14	5.12	-0.02
00511	9.80	9.79	-0.01	8.74	8.72	-0.01
00513	6.78	6.74	-0.04	6.37	6.30	-0.07
00516	7.42	7.36	-0.06	6.83	6.74	-0.09
00520	9.83	9.81	-0.02	9.58	9.53	-0.05
00521	10.47	10.45	-0.02	10.29	10.27	-0.03
00522	11.39	11.36	-0.03	11.07	11.02	-0.05
00530	12.42	12.41	-0.02	12.15	12.12	-0.04
00530x	12.03	12.01	-0.02	11.82	11.78	-0.04

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00531	12.68	12.65	-0.03	12.54	12.50	-0.04
00532	13.47	13.45	-0.02	13.36	13.32	-0.03
00533	13.48	13.46	-0.02	13.37	13.33	-0.03
00537	13.56	13.54	-0.02	13.45	13.41	-0.04
00538	14.46	14.44	-0.02	14.40	14.37	-0.03
00539	14.54	14.53	-0.01	14.48	14.46	-0.03
00540	14.02	13.97	-0.05	13.96	13.91	-0.05
00541A	14.13	14.07	-0.06	14.08	14.00	-0.08
00541Y	14.41	14.36	-0.05	14.36	14.24	-0.12
00542	14.74	14.56	-0.17	14.69	14.36	-0.33
00543	14.89	14.87	-0.02	14.83	14.80	-0.04
00544	15.61	15.61	0.00	15.58	15.58	0.00
00545	15.07	15.07	0.00	15.00	14.98	-0.02
00546	13.65	13.64	-0.01	13.55	13.53	-0.02
00547	13.66	13.65	-0.01	13.56	13.54	-0.02
00548	14.51	14.49	-0.02	14.48	14.45	-0.03
00560	13.51	13.50	-0.01	13.08	13.04	-0.04
00561	13.53	13.52	-0.01	13.10	13.07	-0.03
00562	13.80	13.80	0.00	13.55	13.54	-0.01
00563	14.09	14.09	0.00	13.94	13.93	0.00
00564	15.02	15.02	0.00	14.58	14.57	-0.01
00565	15.51	15.51	0.00	15.02	15.01	-0.01
00571	13.97	13.97	-0.01	13.49	13.46	-0.03
00572	14.25	14.24	0.00	13.95	13.94	-0.02
00574	14.69	14.69	0.00	14.44	14.43	-0.01
005741	14.69	14.69	0.00	14.44	14.43	-0.01
00574F	14.75	14.75	0.00	14.51	14.50	-0.01
00575	14.75	14.75	0.00	14.50	14.50	-0.01
00575B	14.75	14.75	0.00	14.50	14.50	-0.01
00576	15.50	15.50	0.00	15.04	15.03	-0.01
00577	15.57	15.57	0.00	15.13	15.12	-0.01
00580	16.35	16.35	0.00	16.28	16.28	0.00
00581	15.78	15.77	0.00	15.38	15.37	-0.01
00582	16.19	16.18	0.00	15.60	15.59	-0.01
00583	16.25	16.25	0.00	15.64	15.63	-0.01
00584	15.81	15.81	0.00	15.52	15.52	0.00
00585	15.81	15.81	0.00	15.61	15.61	0.00
00586	15.78	15.78	0.00	15.68	15.68	0.00
00600	8.15	8.15	0.00	8.13	8.13	0.00
00601	9.68	9.68	0.00	9.42	9.42	0.00
00700	8.70	8.70	0.00	8.67	8.67	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00701	10.81	10.81	0.00	10.67	10.67	0.00
00800	6.96	6.96	0.00	6.19	6.19	0.00
00800A	11.00	11.00	0.00	10.93	10.93	0.00
00800x	4.93	4.93	0.00	4.55	4.55	0.00
00802	7.95	7.95	0.00	7.11	7.11	0.00
00805A	11.40	11.40	0.00	11.37	11.37	0.00
00811	9.18	9.18	0.00	8.12	8.12	0.00
00812A	13.06	13.06	0.00	12.99	12.99	0.00
00812Y	12.89	12.89	0.00	12.17	12.17	0.00
00813	9.23	9.23	0.00	8.18	8.18	0.00
00821	10.34	10.34	0.00	8.84	8.84	0.00
00823	10.42	10.42	0.00	9.00	9.00	0.00
00824	10.50	10.50	0.00	9.23	9.23	0.00
00825	13.88	13.88	0.00	13.63	13.63	0.00
00827A	14.13	14.13	0.00	13.92	13.92	0.00
00827B	14.27	14.27	0.00	14.04	14.04	0.00
00827C	14.26	14.26	0.00	14.03	14.03	0.00
00827D	14.52	14.52	0.00	14.42	14.42	0.00
00827F	14.51	14.51	0.00	14.42	14.42	0.00
00827Y	14.99	14.99	0.00	14.88	14.88	0.00
00828	14.33	14.33	0.00	14.05	14.05	0.00
00829A	14.62	14.62	0.00	14.44	14.44	0.00
00829Y	15.18	15.18	0.00	15.10	15.10	0.00
00830	9.43	9.43	0.00	8.42	8.42	0.00
00831	11.41	11.41	0.00	11.37	11.37	0.00
00833	9.52	9.52	0.00	8.51	8.51	0.00
008331	9.55	9.55	0.00	8.54	8.54	0.00
00834	11.85	11.85	0.00	11.62	11.62	0.00
00835A	12.13	12.13	0.00	11.92	11.92	0.00
00840	10.50	10.50	0.00	10.04	10.04	0.00
00841	12.20	12.20	0.00	12.01	12.01	0.00
00841b	10.86	10.86	0.00	10.44	10.44	0.00
00842	12.92	12.92	0.00	12.82	12.82	0.00
00843	13.30	13.30	0.00	13.14	13.14	0.00
00843b	12.40	12.40	0.00	12.21	12.21	0.00
00843F	14.08	14.08	0.00	14.06	14.06	0.00
00844	13.91	13.91	0.00	13.76	13.76	0.00
00844F	13.46	13.46	0.00	13.33	13.33	0.00
00845	13.37	13.37	0.00	13.27	13.27	0.00
00851Y	14.88	14.88	0.00	14.73	14.73	0.00
00852A	15.36	15.36	0.00	15.22	15.22	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00852Y	14.97	14.97	0.00	14.83	14.83	0.00
00854A	16.70	16.70	0.00	16.66	16.66	0.00
00854Y	15.98	15.98	0.00	15.76	15.76	0.00
00861	14.71	14.71	0.00	14.18	14.18	0.00
00862	14.93	14.93	0.00	14.59	14.59	0.00
00864	15.32	15.32	0.00	15.27	15.27	0.00
00865	15.32	15.32	0.00	15.27	15.27	0.00
00866B	15.39	15.39	0.00	15.35	15.35	0.00
00866Y	15.35	15.35	0.00	15.30	15.30	0.00
00867A	16.59	16.59	0.00	16.54	16.54	0.00
00867Y	16.16	16.16	0.00	16.13	16.13	0.00
00868	16.69	16.69	0.00	16.60	16.60	0.00
00869F	17.34	17.34	0.00	17.24	17.24	0.00
00870A	15.35	15.35	0.00	15.29	15.29	0.00
00870Y	15.33	15.33	0.00	15.28	15.28	0.00
00871A	15.54	15.54	0.00	15.49	15.49	0.00
00871B	15.38	15.38	0.00	15.33	15.33	0.00
00871F	15.46	15.46	0.00	15.39	15.39	0.00
00871G	15.35	15.35	0.00	15.30	15.30	0.00
00871H	15.33	15.33	0.00	15.28	15.28	0.00
00871Y	15.44	15.44	0.00	15.38	15.38	0.00
00872A	15.29	15.29	0.00	15.22	15.22	0.00
00872F	15.30	15.30	0.00	15.23	15.23	0.00
00880	15.97	15.97	0.00	15.76	15.76	0.00
00880F	16.04	16.04	0.00	15.88	15.88	0.00
00881	15.98	15.98	0.00	15.77	15.77	0.00
00883	15.85	15.85	0.00	15.72	15.72	0.00
00884A	15.84	15.84	0.00	15.72	15.72	0.00
00884B	15.26	15.26	0.00	15.14	15.14	0.00
00900	6.40	6.40	0.00	5.97	5.97	0.00
00900A	11.50	11.50	0.00	11.41	11.41	0.00
00910	11.49	11.49	0.00	11.34	11.34	0.00
00920	11.81	11.81	0.00	11.59	11.59	0.00
01000	8.97	8.99	0.01	8.54	8.58	0.04
01005	9.01	9.02	0.01	8.59	8.63	0.04
01020	9.59	9.59	0.00	9.43	9.44	0.00
01020R	10.28	10.28	0.00	10.21	10.21	0.00
01100	8.97	8.98	0.02	8.53	8.58	0.04
01100F	8.97	8.98	0.02	8.53	8.58	0.04
01100G	8.96	8.98	0.02	8.52	8.56	0.04
01100H	8.71	8.72	0.01	8.46	8.49	0.03

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01100I	8.29	8.30	0.01	8.24	8.24	0.00
01100J	8.96	8.98	0.01	8.54	8.58	0.04
01100X	8.97	8.98	0.02	8.53	8.57	0.04
01200	4.09	4.09	0.00	4.08	4.08	0.00
01201	4.11	4.12	0.00	4.09	4.09	0.00
01201F	4.15	4.15	0.00	4.12	4.12	0.00
01202	4.09	4.09	0.00	4.08	4.08	0.00
01203	4.36	4.37	0.01	4.13	4.14	0.01
01220F	5.72	5.72	0.00	5.66	5.66	0.00
01220G	5.55	5.55	0.00	5.53	5.53	0.00
01221	4.35	4.36	0.01	4.13	4.14	0.01
01222	5.72	5.64	-0.08	4.63	4.57	-0.07
01223	5.72	5.64	-0.07	4.64	4.57	-0.07
01224	5.72	5.65	-0.07	4.64	4.58	-0.06
01225	5.84	5.76	-0.08	4.81	4.79	-0.03
01226	6.67	6.59	-0.08	5.48	5.46	-0.02
01227	7.23	7.15	-0.08	5.92	5.90	-0.02
01228	7.78	7.70	-0.08	6.33	6.28	-0.05
01229	8.86	8.67	-0.19	7.12	6.94	-0.18
01230	8.21	8.18	-0.03	7.19	6.98	-0.22
01231	8.57	8.51	-0.07	7.19	7.05	-0.14
01232	8.20	8.17	-0.03	7.31	7.22	-0.09
01233	8.23	8.20	-0.04	7.31	7.22	-0.09
01234	8.23	8.20	-0.04	7.31	7.22	-0.09
01300	4.09	4.09	0.00	4.09	4.09	0.00
01400	5.26	5.23	-0.03	5.10	5.08	-0.02
01401	6.46	6.40	-0.07	6.21	6.14	-0.07
01402	6.52	6.44	-0.08	6.25	6.18	-0.07
01403	7.28	7.07	-0.21	6.72	6.61	-0.12
01410	8.59	8.40	-0.18	7.78	7.57	-0.21
01411	8.89	8.79	-0.10	8.01	7.80	-0.21
01412	9.05	8.97	-0.08	8.61	8.49	-0.12
01413	9.05	8.97	-0.08	8.62	8.50	-0.12
01414	9.75	8.24	-1.51	9.70	6.83	-2.87
01415	9.05	8.97	-0.08	8.62	8.50	-0.11
01416	9.05	8.97	-0.08	8.62	8.50	-0.11
01417	9.06	8.98	-0.08	8.62	8.51	-0.11
01420	9.03	8.96	-0.08	8.51	8.23	-0.27
01421	8.90	8.82	-0.08	8.68	8.46	-0.22
01422	8.87	8.80	-0.07	8.69	8.54	-0.15
01430	9.08	9.00	-0.07	8.67	8.58	-0.08

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01431	9.08	9.01	-0.07	8.67	8.60	-0.07
01432	9.08	9.01	-0.07	8.68	8.63	-0.04
01433	9.08	9.01	-0.07	8.67	8.64	-0.04
01440	9.10	9.03	-0.07	8.71	8.68	-0.03
01441	9.09	9.02	-0.07	8.70	8.67	-0.03
01442	9.20	9.15	-0.05	9.00	8.99	-0.02
01450	9.21	9.18	-0.03	9.05	9.04	-0.01
01451	9.12	9.06	-0.06	8.83	8.82	-0.01
01452	10.55	10.54	-0.01	10.42	10.40	-0.02
01453	10.73	10.71	-0.02	10.58	10.56	-0.02
01454	12.59	12.57	-0.02	12.45	12.42	-0.03
01460	12.07	12.07	0.00	11.98	11.98	0.00
01461	12.43	12.43	0.00	12.40	12.39	0.00
01462	12.75	12.76	0.00	12.72	12.72	0.00
01463	13.18	13.18	0.00	13.12	13.11	-0.01
01463F	13.58	13.59	0.01	13.55	13.56	0.02
01463G	13.58	13.58	0.01	13.54	13.56	0.02
01464	13.42	13.39	-0.02	13.31	13.26	-0.05
01465	13.85	13.87	0.02	13.79	13.81	0.02
01466	12.72	12.72	0.00	12.69	12.69	0.00
01500	5.26	5.15	-0.11	5.14	5.03	-0.11
01501	5.27	5.16	-0.11	5.14	5.04	-0.11
01502	5.29	5.16	-0.13	5.15	5.04	-0.11
01503	5.63	5.56	-0.08	5.42	5.35	-0.07
01504	5.26	5.15	-0.11	5.14	5.03	-0.11
01510	6.20	6.12	-0.08	6.15	5.86	-0.29
01520	7.67	7.38	-0.29	7.58	6.64	-0.95
01530	8.28	7.81	-0.47	7.93	6.94	-0.99
01531	7.08	7.03	-0.05	6.95	6.91	-0.03
01532	6.95	6.94	-0.01	6.90	6.88	-0.01
01540	8.86	8.80	-0.07	8.68	8.53	-0.15
01541	8.87	8.80	-0.07	8.68	8.54	-0.15
01550	8.87	8.80	-0.07	8.69	8.54	-0.15
01551	8.87	8.80	-0.07	8.69	8.54	-0.15
01552	8.87	8.80	-0.07	8.69	8.54	-0.15
01552F	11.21	11.21	0.00	11.17	11.17	0.00
01553	9.36	9.36	0.00	9.29	9.29	0.00
01600	6.23	6.23	0.00	6.18	6.18	0.00
01601	5.56	5.56	0.00	4.89	4.89	0.00
01700	6.39	5.90	-0.49	5.81	5.54	-0.27
01701	6.22	5.83	-0.38	5.73	5.51	-0.21

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01710	8.78	8.73	-0.04	8.62	8.19	-0.42
01711	8.77	8.69	-0.07	8.62	8.14	-0.48
01712	7.69	7.73	0.04	7.59	7.64	0.05
01713	10.07	8.41	-1.66	10.03	8.08	-1.95
01720	9.69	9.68	-0.01	9.55	9.47	-0.08
01730	11.01	11.01	0.00	10.94	10.93	-0.01
01740	13.14	13.14	0.00	13.08	13.08	0.00
01741	14.12	14.12	0.00	14.08	14.08	0.00
01742	14.29	14.29	0.00	14.16	14.16	0.00
01750	13.69	13.70	0.00	13.63	13.64	0.00
01751	13.75	13.76	0.00	13.69	13.70	0.01
01752	13.77	13.83	0.06	13.69	13.77	0.08
01760	13.91	13.91	0.00	13.82	13.82	0.00
01761	14.10	14.10	0.00	14.04	14.04	0.00
01762	13.81	13.81	0.00	13.77	13.77	0.00
01770	13.96	13.95	-0.01	13.84	13.84	0.00
01800	8.36	7.42	-0.94	6.95	5.42	-1.54
01810	10.37	10.33	-0.04	7.69	7.27	-0.43
01820	10.43	10.39	-0.04	9.10	7.78	-1.32
01824F	15.01	15.01	0.00	14.92	14.92	0.00
01824G	15.17	15.17	0.00	15.07	15.07	0.00
01830	10.91	10.86	-0.05	9.80	8.55	-1.26
01831A	14.71	14.71	0.00	14.47	14.47	0.00
01834F	15.63	15.63	0.00	15.50	15.50	0.00
01837F	14.74	14.74	0.00	14.48	14.48	0.00
01840	11.85	11.79	-0.06	11.22	10.07	-1.15
01848	14.88	14.88	0.00	14.81	14.81	0.00
01850	12.09	12.08	-0.02	11.67	11.62	-0.04
01853D	16.11	16.11	0.00	16.09	16.09	0.00
01853F	17.06	17.06	0.00	17.03	17.03	0.00
01855A	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.21	16.21	0.00	16.20	16.20	0.00
01860	12.12	12.10	-0.02	11.75	11.73	-0.02
01870	12.13	12.12	-0.02	11.76	11.74	-0.02
01880	12.22	12.21	-0.01	11.96	11.96	0.00
01900	5.48	5.47	-0.01	5.26	5.26	0.00
01901	6.79	6.77	-0.02	6.35	6.35	0.00
01902	7.63	7.58	-0.05	7.09	7.09	0.00
01911	7.63	7.58	-0.05	7.09	7.09	0.00
01920	8.74	8.56	-0.18	8.01	8.01	0.00
01921	10.00	9.63	-0.36	9.03	9.03	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01930	11.21	11.04	-0.17	10.52	10.52	0.00
01940	12.14	12.12	-0.02	11.76	11.74	-0.02
01950	12.14	12.13	-0.02	11.76	11.75	-0.02
01953	12.15	12.13	-0.02	11.78	11.77	-0.01
01954	12.22	12.21	-0.01	11.96	11.96	0.00
02000	8.89	8.89	0.00	8.73	8.73	0.00
02001	7.47	7.47	0.00	7.35	7.35	0.00
02100	9.38	9.34	-0.04	5.67	5.67	0.00
02110	10.06	10.01	-0.04	6.85	6.85	0.00
02130	10.77	10.75	-0.02	7.78	7.78	0.00
02150	10.34	10.29	-0.05	7.05	7.05	0.00
02160	10.83	10.81	-0.01	7.84	7.84	0.00
02170	10.82	10.81	-0.01	7.84	7.84	0.00
02200	12.78	12.78	0.00	12.70	12.70	0.00
02200A	9.73	9.73	0.00	9.50	9.50	0.00
02200x	12.37	12.36	-0.01	12.21	12.21	0.00
02200x1	9.77	9.76	-0.01	9.35	9.35	0.00
02200Y	11.84	11.84	0.00	11.78	11.78	0.00
02200Z	7.17	7.17	0.00	6.79	6.79	0.00
02202A	14.52	14.52	0.00	14.47	14.47	0.00
02202Y	12.02	12.02	0.00	11.49	11.49	0.00
02202YA	12.90	12.90	0.00	12.52	12.52	0.00
02202YB	10.97	10.97	0.00	10.32	10.32	0.00
02203	11.75	11.75	0.00	11.00	11.00	0.00
02220	10.20	10.20	0.00	9.86	9.86	0.00
02221A	12.97	12.97	0.00	12.95	12.95	0.00
02222	11.75	11.75	0.00	11.69	11.69	0.00
02223	14.18	14.18	0.00	13.31	13.31	0.00
02230	14.91	14.91	0.00	14.08	14.08	0.00
02240	15.22	15.22	0.00	13.88	13.88	0.00
02250	12.21	12.20	-0.01	11.69	11.69	0.00
02250B	12.80	12.80	0.00	12.69	12.69	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.47	12.47	0.00	12.34	12.34	0.00
02253	12.39	12.38	0.00	12.27	12.26	0.00
02254A	12.53	12.53	0.00	12.42	12.42	0.00
02254Y	12.16	12.15	-0.01	12.07	12.07	0.00
02260	12.25	12.24	-0.01	11.85	11.85	0.00
02261	12.23	12.21	-0.01	11.84	11.84	0.00
02270	12.42	12.42	0.00	12.26	12.26	0.00
02271	12.48	12.48	0.00	12.39	12.39	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02271F	13.28	13.28	0.00	13.13	13.13	0.00
02272	12.69	12.69	0.00	12.52	12.51	0.00
02273	13.62	13.62	0.00	13.07	13.07	0.00
02274	14.50	14.50	0.00	13.61	13.61	0.00
02280	13.15	13.14	0.00	13.03	13.03	0.00
02281A	13.79	13.79	0.00	13.75	13.75	0.00
02281Y	13.44	13.43	0.00	13.33	13.33	0.00
02282A	14.28	14.28	0.00	14.06	14.05	0.00
02282B	14.36	14.35	0.00	14.18	14.17	0.00
02282Y	14.03	14.03	0.00	13.90	13.89	0.00
02283	15.06	15.06	0.00	14.96	14.95	0.00
02284	14.70	14.70	0.00	14.60	14.60	0.00
02285A	14.92	14.92	0.00	14.89	14.89	0.00
02290	4.08	4.08	0.00	4.08	4.08	0.00
02292	11.35	11.35	0.00	10.69	10.69	0.00
02292A	11.23	11.23	0.00	10.62	10.62	0.00
02294	13.40	13.40	0.00	13.35	13.35	0.00
02294x	11.51	11.51	0.00	10.72	10.72	0.00
02297	13.26	13.26	0.00	13.17	13.17	0.00
02298	12.23	12.22	-0.01	12.12	12.12	0.00
02298n1	12.77	12.77	0.00	12.68	12.68	0.00
02300	8.05	8.05	0.00	7.94	7.94	0.00
02301	9.63	9.63	0.00	9.27	9.27	0.00
02302	10.90	10.90	0.00	10.32	10.32	0.00
02304	11.69	11.69	0.00	11.44	11.44	0.00
02305	11.65	11.65	0.00	11.44	11.44	0.00
02306	11.43	11.43	0.00	10.43	10.43	0.00
02307	11.46	11.46	0.00	10.50	10.50	0.00
02308	11.68	11.68	0.00	11.45	11.45	0.00
02309	11.70	11.70	0.00	11.48	11.48	0.00
02310	11.69	11.69	0.00	11.47	11.47	0.00
02311	11.98	11.98	0.00	11.86	11.86	0.00
02312	11.69	11.69	0.00	11.46	11.46	0.00
02313	11.71	11.71	0.00	11.47	11.47	0.00
02314	12.24	12.24	0.00	12.22	12.22	0.00
02400	12.32	12.32	0.00	10.87	10.87	0.00
02410	13.90	13.90	0.00	12.46	12.46	0.00
02410F	14.75	14.75	0.00	14.75	14.75	0.00
02411	14.29	14.29	0.00	13.06	13.06	0.00
02412	14.35	14.35	0.00	13.64	13.64	0.00
02420	14.65	14.65	0.00	13.72	13.72	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02425	14.87	14.87	0.00	13.84	13.84	0.00
02430	12.89	12.89	0.00	12.33	12.33	0.00
02431	12.89	12.89	0.00	12.33	12.33	0.00
02440	14.51	14.51	0.00	14.11	14.11	0.00
02441	14.54	14.54	0.00	14.16	14.16	0.00
02442	15.24	15.24	0.00	14.86	14.86	0.00
02500	7.86	7.86	0.00	7.73	7.73	0.00
02500F	10.82	10.82	0.00	10.55	10.55	0.00
02500W	9.80	9.80	0.00	9.74	9.74	0.00
02510	11.48	11.48	0.00	11.35	11.35	0.00
02511	14.56	14.56	0.00	13.96	13.96	0.00
02512	15.25	15.25	0.00	14.43	14.43	0.00
02513	15.25	15.25	0.00	14.64	14.64	0.00
02513B	15.25	15.25	0.00	14.45	14.45	0.00
02514	16.15	16.15	0.00	15.90	15.90	0.00
02520A	16.15	16.15	0.00	15.90	15.90	0.00
02520Y	16.15	16.15	0.00	15.90	15.90	0.00
02521A	16.16	16.16	0.00	15.91	15.91	0.00
02522	16.15	16.15	0.00	15.90	15.90	0.00
02600	14.74	14.74	0.00	14.39	14.39	0.00
02610	15.23	15.23	0.00	15.01	15.01	0.00
02620	12.85	12.85	0.00	12.75	12.75	0.00
02701A	13.96	13.96	0.00	13.10	13.10	0.00
02701Y	8.20	8.20	0.00	7.25	7.25	0.00
02702	9.59	9.59	0.00	8.17	8.17	0.00
02703	12.84	12.84	0.00	12.75	12.75	0.00
02703F	9.87	9.87	0.00	9.05	9.05	0.00
02712	9.88	9.88	0.00	9.64	9.64	0.00
02713	15.17	15.17	0.00	15.11	15.11	0.00
02713F	15.14	15.14	0.00	14.94	14.94	0.00
02713G	15.31	15.31	0.00	15.12	15.12	0.00
02716	13.47	13.47	0.00	13.26	13.26	0.00
02717	14.34	14.34	0.00	13.97	13.97	0.00
02718	14.82	14.82	0.00	14.36	14.36	0.00
02718X	14.34	14.34	0.00	13.97	13.97	0.00
02719A	15.92	15.92	0.00	15.85	15.85	0.00
02719Y	15.84	15.84	0.00	15.78	15.78	0.00
02720A	15.31	15.31	0.00	15.02	15.02	0.00
02721	15.79	15.79	0.00	15.71	15.71	0.00
02722B	15.95	15.95	0.00	15.46	15.46	0.00
02722Y	15.31	15.31	0.00	15.03	15.03	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02723	15.96	15.96	0.00	15.49	15.49	0.00
02724	16.01	16.01	0.00	15.93	15.93	0.00
02724F	16.00	16.00	0.00	15.79	15.79	0.00
02725	15.96	15.96	0.00	15.61	15.61	0.00
02726	15.97	15.97	0.00	15.62	15.62	0.00
02727	15.97	15.97	0.00	15.65	15.65	0.00
02728A	15.99	15.99	0.00	15.82	15.82	0.00
02728Y	16.09	16.09	0.00	16.02	16.02	0.00
02729	15.97	15.97	0.00	15.76	15.76	0.00
02730	15.29	15.29	0.00	14.81	14.81	0.00
02732	15.62	15.62	0.00	15.02	15.02	0.00
02740A	16.00	16.00	0.00	15.30	15.30	0.00
02740Y	15.84	15.84	0.00	15.28	15.28	0.00
02741A	16.14	16.14	0.00	15.90	15.90	0.00
02741C	16.15	16.15	0.00	15.90	15.90	0.00
02741Y	16.15	16.15	0.00	15.90	15.90	0.00
02742	16.01	16.01	0.00	15.63	15.63	0.00
02742A	17.02	17.02	0.00	16.91	16.91	0.00
02742B	17.02	17.02	0.00	16.91	16.91	0.00
02742C	17.03	17.03	0.00	16.91	16.91	0.00
02743	15.94	15.94	0.00	15.43	15.43	0.00
02750	16.00	16.00	0.00	15.62	15.62	0.00
02752A	16.16	16.16	0.00	15.90	15.90	0.00
02754	16.13	16.13	0.00	15.80	15.80	0.00
02755	16.16	16.16	0.00	15.90	15.90	0.00
02755A	16.63	16.63	0.00	16.61	16.61	0.00
02760	16.18	16.18	0.00	15.92	15.92	0.00
02761A	16.17	16.17	0.00	15.92	15.92	0.00
02761Y	16.18	16.18	0.00	16.00	16.00	0.00
02772	16.44	16.44	0.00	16.12	16.12	0.00
02781	16.53	16.53	0.00	16.25	16.25	0.00
02781F	16.18	16.18	0.00	16.03	16.03	0.00
02782	16.68	16.68	0.00	16.40	16.40	0.00
02782F	17.39	17.39	0.00	17.36	17.36	0.00
02790	16.68	16.68	0.00	16.37	16.37	0.00
02792	16.69	16.69	0.00	16.37	16.37	0.00
02793	15.66	15.66	0.00	15.24	15.23	-0.01
02800	11.18	11.18	0.00	10.22	10.22	0.00
02805	11.29	11.29	0.00	11.21	11.21	0.00
02806	13.97	13.97	0.00	13.10	13.10	0.00
02810	14.12	14.12	0.00	13.58	13.58	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02830	12.63	12.63	0.00	12.50	12.50	0.00
02850	8.02	8.02	0.00	7.81	7.81	0.00
02860A	13.96	13.96	0.00	13.43	13.43	0.00
02860Y	13.70	13.70	0.00	13.06	13.06	0.00
02900	4.09	4.09	0.00	4.09	4.09	0.00
02900F	5.05	5.05	0.00	5.02	5.02	0.00
02901F	4.09	4.09	0.00	4.08	4.08	0.00
02910	4.17	4.20	0.03	4.14	4.16	0.02
02910A	4.17	4.20	0.03	4.14	4.16	0.02
02911	7.87	7.87	0.00	7.71	7.71	0.00
02920	6.25	6.25	0.00	5.70	5.70	0.00
02930A	9.77	9.77	0.00	9.43	9.43	0.00
02930Y	7.52	7.52	0.00	6.88	6.88	0.00
02931	7.96	7.96	0.00	7.85	7.85	0.00
02935	8.59	8.59	0.00	8.53	8.53	0.00
02940	8.02	8.02	0.00	7.14	7.14	0.00
02950A	12.59	12.59	0.00	12.35	12.35	0.00
02950B	14.95	14.95	0.00	14.90	14.90	0.00
02950Y	13.57	13.57	0.00	13.38	13.38	0.00
02960	4.10	4.10	0.00	4.09	4.09	0.00
02970	6.46	6.46	0.00	6.32	6.32	0.00
02980	8.47	8.47	0.00	8.43	8.43	0.00
03000	4.08	4.08	0.00	4.08	4.08	0.00
03000F	4.08	4.08	0.00	4.08	4.08	0.00
08681A	17.12	17.12	0.00	16.95	16.95	0.00
08681B	17.01	17.01	0.00	16.91	16.91	0.00
08681Y	16.97	16.97	0.00	16.89	16.89	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	4.08	4.08	0.00	4.08	4.08	0.00
GULF10	4.08	4.08	0.00	4.08	4.08	0.00
GULF11	4.08	4.08	0.00	4.08	4.08	0.00
GULF2	4.08	4.08	0.00	4.08	4.08	0.00
GULF3	4.08	4.08	0.00	4.08	4.08	0.00
GULF4	4.08	4.08	0.00	4.08	4.08	0.00
GULF5	4.08	4.08	0.00	4.08	4.08	0.00
GULF6	4.08	4.08	0.00	4.08	4.08	0.00
GULF7	4.08	4.08	0.00	4.08	4.08	0.00
GULF8	4.08	4.08	0.00	4.08	4.08	0.00
GULF9	4.08	4.08	0.00	4.08	4.08	0.00
I02954	14.82	14.82	0.00	14.77	14.77	0.00
ICW	4.08	4.08	0.00	4.08	4.08	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
N00205	11.04	11.02	-0.02	10.78	10.76	-0.03
N00211	10.44	10.42	-0.02	10.24	10.22	-0.02
N00230	13.44	13.44	0.00	13.36	13.34	-0.02
N00235	12.97	12.93	-0.04	12.70	12.65	-0.04
N00237	13.14	13.10	-0.04	12.86	12.82	-0.04
N00255	13.99	13.99	0.00	13.96	13.96	0.00
N00515	6.09	6.09	0.00	6.04	6.04	0.00
N00518	6.15	6.14	-0.01	6.00	5.98	-0.02
N00828	14.78	14.78	0.00	14.73	14.73	0.00
N00829	14.57	14.57	0.00	14.52	14.52	0.00
N00837	13.26	13.26	0.00	12.88	12.88	0.00
N00850	13.62	13.62	0.00	13.52	13.52	0.00
N00851	12.93	12.93	0.00	12.78	12.78	0.00
N00853	15.61	15.61	0.00	15.50	15.50	0.00
N00853A	16.69	16.69	0.00	16.56	16.56	0.00
N00853B	16.68	16.68	0.00	16.55	16.55	0.00
N00853C	16.83	16.83	0.00	16.81	16.81	0.00
N00853D	16.73	16.73	0.00	16.71	16.71	0.00
N00853E	16.42	16.42	0.00	16.41	16.41	0.00
N00856	15.80	15.80	0.00	15.60	15.59	0.00
N00857	14.94	14.94	0.00	14.83	14.83	0.00
N00860	15.06	15.06	0.00	15.02	15.02	0.00
N00863	14.96	14.96	0.00	14.85	14.85	0.00
N00865	15.19	15.19	0.00	15.11	15.11	0.00
N00903	10.99	10.99	0.00	10.89	10.89	0.00
N00905	12.85	12.85	0.00	12.82	12.82	0.00
N00910	11.10	11.10	0.00	11.08	11.08	0.00
N00914	10.24	10.24	0.00	10.15	10.15	0.00
N00930	12.01	12.01	0.00	11.75	11.75	0.00
N00940	11.83	11.83	0.00	11.61	11.61	0.00
N01015	11.31	11.31	0.00	11.24	11.24	0.00
N01020	11.44	11.44	0.00	11.40	11.40	0.00
N01022	11.42	11.42	0.00	11.38	11.38	0.00
N01401	6.65	6.64	0.00	6.59	6.57	-0.01
N01463	13.53	13.53	0.00	13.51	13.51	0.01
N01468	13.95	13.89	-0.06	13.84	13.81	-0.04
N01824	14.92	14.92	0.00	14.78	14.78	0.00
N01826	13.99	13.99	0.00	13.77	13.77	0.00
N01830	14.27	14.27	0.00	14.03	14.03	0.00
N01832	15.26	15.26	0.00	14.83	14.83	0.00
N01833	15.56	15.56	0.00	15.35	15.35	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
N01834	15.62	15.62	0.00	15.61	15.61	0.00
N01835	14.71	14.71	0.00	14.47	14.47	0.00
N01836	14.71	14.71	0.00	14.47	14.47	0.00
N01837	14.93	14.93	0.00	14.61	14.61	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00
N01839	14.72	14.72	0.00	14.47	14.47	0.00
N01841	14.23	14.23	0.00	14.01	14.01	0.00
N01843	15.34	15.34	0.00	15.31	15.31	0.00
N01844	14.79	14.79	0.00	14.73	14.73	0.00
N01845	13.99	13.99	0.00	13.78	13.78	0.00
N01846	14.71	14.71	0.00	14.47	14.47	0.00
N01846A	14.71	14.71	0.00	14.47	14.47	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00
N01847_A	14.69	14.69	0.00	14.45	14.45	0.00
N01847A	14.71	14.71	0.00	14.47	14.47	0.00
N01848	14.72	14.72	0.00	14.47	14.47	0.00
N01848A	14.72	14.72	0.00	14.49	14.49	0.00
N01848B	14.62	14.62	0.00	14.44	14.44	0.00
N0184B	14.71	14.71	0.00	14.47	14.47	0.00
N01851	14.72	14.72	0.00	14.61	14.61	0.00
N01852	13.36	13.36	0.00	13.23	13.23	0.00
N01856	14.78	14.78	0.00	14.73	14.73	0.00
N01861	15.32	15.32	0.00	15.27	15.27	0.00
N01862	15.06	15.06	0.00	14.38	14.38	0.00
N01863	15.28	15.28	0.00	15.24	15.24	0.00
N01864	15.03	15.03	0.00	14.97	14.97	0.00
N01873	16.86	16.86	0.00	16.79	16.79	0.00
N02210	14.67	14.67	0.00	14.62	14.62	0.00
N02286	15.24	15.24	0.00	15.13	15.12	-0.01
N02289	15.63	15.63	0.00	15.62	15.62	0.00
N02320	13.74	13.74	0.00	13.22	13.22	0.00
N02528	15.99	15.99	0.00	15.78	15.78	0.00
N02715	15.41	15.41	0.00	15.13	15.13	0.00
N02735	16.70	16.70	0.00	16.61	16.61	0.00
N02781	16.64	16.64	0.00	16.54	16.54	0.00
N02784	17.08	17.08	0.00	17.04	17.04	0.00
N02814	15.37	15.37	0.00	15.08	15.08	0.00
N02830	15.20	15.20	0.00	15.08	15.08	0.00
N02850	11.91	11.91	0.00	10.07	10.07	0.00
N02852	13.97	13.97	0.00	13.92	13.92	0.00
N02905	4.11	4.11	0.00	4.10	4.10	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Improvement Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	4.08	4.08	0.00	4.08	4.08	0.00

D-1 100-YR 72-HR Floodplain Map

D-2 100-YR 24-HR Floodplain Map

D-3 25-YR 72-HR Floodplain Map

D-4 25-YR 24-HR Floodplain Map

D-5 10-YR 24-HR Floodplain Map

D-6 5-YR 24-HR Floodplain Map

D-7 2-YR 24-HR Floodplain Map

- Node Maximum Stage Tables

Appendix D – Long-Range Resilient Alternatives

Legend

PCM SLR 100-Year 72-Hour Floodplain

ECM SLR 100-Year 72-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES - 2080 SEA LEVEL RISE

100-YEAR 72-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

D-1

Legend

PCM SLR 100-Year 24-Hour Floodplain

ECM SLR 100-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES - 2080 SEA LEVEL RISE

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

D-2

Legend

PCM SLR 25-Year 72-Hour Floodplain

ECM SLR 25-Year 72-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES - 2080 SEA LEVEL RISE

25-YEAR 72-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

D-3

Legend

PCM SLR 25-Year 24-Hour Floodplain

ECM SLR 25-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES - 2080 SEA LEVEL RISE

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

D-4

Legend

PCM SLR 10-Year 24-Hour Floodplain

ECM SLR 10-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES - 2080 SEA LEVEL RISE

10-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

D-5

Legend

PCM SLR 5-Year 24-Hour Floodplain

ECM SLR 5-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES - 2080 SEA LEVEL RISE

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

D-6

Legend

PCM SLR 2-Year 24-Hour Floodplain

ECM SLR 2-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES - 2080 SEA LEVEL RISE

2-YEAR 24-HOUR FLOODPLAIN MAP

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

D-7

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00100	8.42	8.41	-0.01	8.01	7.98	-0.03	7.29	7.24	-0.05	6.38	6.34	-0.04	5.51	5.49	-0.02
00100A	9.78	9.77	-0.01	9.56	9.55	-0.01	9.32	9.29	-0.03	8.80	8.72	-0.08	7.64	7.63	-0.02
00100B	9.82	9.81	-0.01	9.59	9.57	-0.01	9.34	9.30	-0.04	8.84	8.78	-0.06	7.81	7.78	-0.03
00100C	9.87	9.86	-0.01	9.62	9.60	-0.01	9.36	9.32	-0.04	8.86	8.80	-0.06	7.87	7.83	-0.04
00200	9.90	9.89	-0.01	9.63	9.62	-0.01	9.37	9.33	-0.04	8.87	8.81	-0.06	7.92	7.87	-0.05
00200A	6.11	6.11	-0.01	6.00	6.00	-0.01	5.91	5.90	-0.01	5.78	5.76	-0.01	5.62	5.59	-0.03
00204	10.39	10.38	-0.01	10.07	10.05	-0.02	9.81	9.79	-0.02	9.61	9.59	-0.02	9.25	9.21	-0.04
00210	10.67	10.65	-0.01	10.39	10.37	-0.01	10.18	10.16	-0.02	10.00	9.98	-0.02	9.70	9.67	-0.03
00212	11.81	11.79	-0.02	11.55	11.52	-0.02	11.35	11.33	-0.02	11.19	11.17	-0.03	10.95	10.92	-0.03
00215	12.22	12.22	0.00	12.10	12.10	0.00	12.02	12.01	0.00	11.95	11.95	0.00	11.81	11.80	-0.01
00216	12.04	12.02	-0.02	11.75	11.72	-0.02	11.53	11.51	-0.03	11.36	11.33	-0.03	11.13	11.10	-0.03
00217	12.22	12.20	-0.02	11.92	11.89	-0.03	11.71	11.68	-0.03	11.54	11.51	-0.03	11.32	11.29	-0.03
00220	12.44	12.41	-0.02	12.14	12.11	-0.03	11.92	11.89	-0.03	11.76	11.73	-0.03	11.56	11.53	-0.03
00221	12.70	12.68	-0.03	12.42	12.39	-0.03	12.21	12.18	-0.03	12.05	12.02	-0.03	11.85	11.82	-0.03
00231	13.43	13.38	-0.05	13.32	13.24	-0.08	13.25	13.15	-0.10	13.19	13.06	-0.13	13.09	12.89	-0.21
00232	13.73	13.66	-0.07	13.63	13.52	-0.11	13.56	13.42	-0.14	13.51	13.33	-0.18	13.43	13.15	-0.28
00233	13.19	13.17	-0.03	12.93	12.90	-0.03	12.75	12.72	-0.03	12.63	12.62	-0.01	12.53	12.51	-0.02
00234	12.90	12.89	0.00	12.78	12.77	0.00	12.70	12.69	-0.01	12.63	12.62	-0.01	12.55	12.55	0.00
00236	13.68	13.68	-0.01	13.59	13.58	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.62	13.59	-0.02	13.38	13.34	-0.03	13.18	13.15	-0.03	13.03	12.99	-0.03	12.81	12.77	-0.04
00241	13.97	13.97	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.75	-0.01	13.54	13.53	-0.01
00242	13.79	13.76	-0.02	13.56	13.52	-0.04	13.36	13.33	-0.03	13.22	13.18	-0.03	13.00	12.95	-0.05
00250	14.06	14.04	-0.02	13.88	13.84	-0.04	13.70	13.66	-0.03	13.57	13.53	-0.04	13.33	13.26	-0.07
00251	13.77	13.76	-0.01	13.68	13.68	-0.01	13.63	13.63	-0.01	13.59	13.58	-0.01	13.54	13.53	-0.01
00252	14.75	14.75	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.90	9.90	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.78	8.78	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.77	8.77	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	5.06	5.01	-0.05	4.65	4.62	-0.03	4.47	4.45	-0.02	4.38	4.37	-0.01	4.29	4.28	-0.01
00501	5.10	5.05	-0.05	4.67	4.64	-0.03	4.49	4.47	-0.02	4.39	4.38	-0.01	4.30	4.29	-0.01
00502	5.34	5.28	-0.06	4.85	4.80	-0.04	4.61	4.58	-0.03	4.49	4.47	-0.02	4.36	4.35	-0.01
00510	5.58	5.54	-0.04	5.30	5.26	-0.04	5.15	5.11	-0.03	5.04	5.01	-0.03	4.87	4.84	-0.03
00511	10.01	9.99	-0.02	9.70	9.67	-0.03	8.80	8.79	-0.01	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.06	7.01	-0.05	6.69	6.61	-0.08	6.37	6.27	-0.10	6.03	5.89	-0.13	5.45	5.36	-0.09
00516	7.85	7.77	-0.08	7.28	7.16	-0.12	6.83	6.71	-0.13	6.44	6.29	-0.15	5.80	5.69	-0.11
00520	10.02	9.98	-0.04	9.78	9.73	-0.05	9.58	9.51	-0.07	9.38	9.29	-0.09	8.69	8.27	-0.42
00521	10.64	10.60	-0.04	10.43	10.39	-0.04	10.30	10.26	-0.04	10.20	10.16	-0.04	9.95	9.82	-0.13
00522	11.64	11.58	-0.05	11.32	11.25	-0.07	11.08	11.00	-0.07	10.92	10.86	-0.06	10.58	10.37	-0.21
00530	12.58	12.55	-0.03	12.38	12.34	-0.04	12.17	12.11	-0.07	11.94	11.86	-0.08	11.40	11.12	-0.29
00530x	12.17	12.14	-0.03	11.99	11.95	-0.04	11.82	11.76	-0.06	11.67	11.59	-0.08	11.25	10.96	-0.29
00531	12.81	12.76	-0.05	12.64	12.59	-0.05	12.53	12.48	-0.06	12.45	12.39	-0.06	12.33	12.25	-0.08
00532	13.59	13.56	-0.03	13.44	13.41	-0.03	13.35	13.31	-0.04	13.27	13.23	-0.04	13.17	13.12	-0.05
00533	13.60	13.56	-0.03	13.45	13.42	-0.03	13.36	13.32	-0.04	13.28	13.24	-0.04	13.18	13.13	-0.05

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00537	13.67	13.80	0.13	13.53	13.58	0.04	13.45	13.42	-0.03	13.37	13.31	-0.06	13.27	13.19	-0.08
00538	14.51	14.48	-0.03	14.45	14.40	-0.05	14.41	14.34	-0.07	14.38	14.29	-0.09	14.34	14.23	-0.11
00539	14.59	14.58	-0.02	14.54	14.50	-0.03	14.49	14.45	-0.04	14.46	14.40	-0.06	14.42	14.33	-0.09
00540	14.08	13.99	-0.09	14.01	13.88	-0.13	13.97	13.83	-0.13	13.93	13.80	-0.14	13.90	13.74	-0.15
00541A	14.19	14.09	-0.10	14.12	14.01	-0.11	14.08	13.96	-0.11	14.05	13.94	-0.11	13.99	13.90	-0.09
00541Y	14.45	14.37	-0.08	14.39	14.12	-0.28	14.35	13.81	-0.54	14.32	13.64	-0.67	14.25	13.35	-0.90
00542	14.77	14.74	-0.03	14.72	14.64	-0.09	14.69	14.31	-0.38	14.67	13.90	-0.77	14.63	13.52	-1.12
00543	14.94	14.92	-0.02	14.89	14.85	-0.04	14.85	14.79	-0.06	14.81	14.73	-0.08	14.77	14.66	-0.11
00544	15.64	15.64	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.53	0.00
00545	15.14	15.09	-0.05	15.06	14.95	-0.11	15.00	14.78	-0.22	14.95	14.57	-0.38	14.84	14.27	-0.57
00546	13.77	13.75	-0.02	13.63	13.62	-0.02	13.56	13.53	-0.02	13.49	13.47	-0.03	13.42	13.39	-0.03
00547	13.78	13.76	-0.02	13.65	13.63	-0.02	13.57	13.54	-0.02	13.50	13.48	-0.03	13.43	13.40	-0.03
00548	14.54	14.50	-0.04	14.50	14.45	-0.05	14.48	14.44	-0.05	14.47	14.43	-0.04	14.45	14.42	-0.03
00560	13.71	13.69	-0.02	13.45	13.42	-0.04	13.14	13.05	-0.08	12.70	12.62	-0.08	11.84	11.55	-0.29
00561	13.72	13.71	-0.02	13.47	13.43	-0.04	13.16	13.08	-0.08	12.79	12.77	-0.02	12.66	12.64	-0.02
00562	13.96	13.94	-0.02	13.76	13.73	-0.03	13.58	13.55	-0.03	13.43	13.43	-0.01	13.36	13.36	0.00
00563	14.16	14.15	-0.01	14.07	14.06	-0.01	13.96	13.94	-0.02	13.85	13.84	-0.01	12.76	12.45	-0.31
00564	15.20	15.20	0.00	14.99	14.98	-0.01	14.66	14.64	-0.02	14.32	14.29	-0.03	12.98	12.67	-0.31
00565	16.01	16.01	0.00	15.44	15.43	-0.01	15.10	15.07	-0.02	14.69	14.66	-0.04	13.20	12.88	-0.31
00571	14.16	14.15	-0.01	13.90	13.86	-0.04	13.55	13.47	-0.08	13.11	13.03	-0.08	12.10	11.80	-0.29
00572	14.38	14.37	-0.01	14.21	14.18	-0.03	14.00	13.94	-0.05	13.62	13.53	-0.09	12.42	12.12	-0.30
00574	14.83	14.81	-0.02	14.66	14.63	-0.03	14.48	14.43	-0.05	14.13	14.03	-0.11	12.74	12.44	-0.31
005741	14.82	14.81	-0.02	14.65	14.62	-0.03	14.48	14.42	-0.05	14.13	14.02	-0.11	12.75	12.44	-0.31
00574F	14.90	14.88	-0.02	14.72	14.69	-0.03	14.55	14.50	-0.05	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.90	14.88	-0.02	14.71	14.68	-0.03	14.54	14.49	-0.05	14.29	14.21	-0.07	12.99	12.67	-0.31
00575B	14.90	14.88	-0.02	14.71	14.68	-0.03	14.54	14.49	-0.05	14.28	14.21	-0.07	13.99	13.99	0.00
00576	15.84	15.83	-0.01	15.44	15.42	-0.02	15.11	15.08	-0.03	14.73	14.69	-0.04	13.24	12.93	-0.31
00577	15.90	15.89	-0.01	15.51	15.50	-0.01	15.20	15.18	-0.02	14.83	14.80	-0.03	13.30	12.99	-0.31
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.18	16.17	0.00	15.75	15.74	-0.01	15.46	15.45	-0.01	15.11	15.09	-0.03	13.46	13.15	-0.31
00582	16.54	16.54	0.00	16.26	16.26	0.00	15.75	15.74	-0.01	15.29	15.26	-0.03	13.53	13.22	-0.31
00583	16.69	16.69	0.00	16.36	16.35	0.00	15.81	15.80	-0.01	15.32	15.29	-0.03	13.54	13.23	-0.31
00584	16.18	16.18	-0.01	15.79	15.79	0.00	15.60	15.59	-0.01	15.31	15.29	-0.02	13.59	13.28	-0.31
00585	16.18	16.17	0.00	15.80	15.80	0.00	15.67	15.66	0.00	15.45	15.44	-0.02	13.69	13.39	-0.31
00586	15.85	15.85	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.62	15.62	-0.01	13.84	13.53	-0.31
00600	8.19	8.19	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.84	9.84	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00
00701	10.87	10.87	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.42	7.42	0.00	6.54	6.54	0.00	6.04	6.04	0.00	5.77	5.77	0.00	5.48	5.48	0.00
00800A	11.08	11.08	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	5.21	5.21	0.00	4.71	4.71	0.00	4.49	4.49	0.00	4.39	4.39	0.00	4.31	4.31	0.00
00802	8.44	8.44	0.00	7.50	7.50	0.00	6.94	6.94	0.00	6.61	6.61	0.00	6.25	6.25	0.00
00805A	11.43	11.43	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00811	9.81	9.81	0.00	8.62	8.62	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.06	7.06	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.10	13.10	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.85	9.85	0.00	8.67	8.67	0.00	7.98	7.98	0.00	7.58	7.58	0.00	7.14	7.14	0.00
00821	11.25	11.25	0.00	9.41	9.41	0.00	8.58	8.58	0.00	8.08	8.08	0.00	7.53	7.53	0.00
00823	11.30	11.30	0.00	9.52	9.52	0.00	8.77	8.77	0.00	8.32	8.32	0.00	7.86	7.86	0.00
00824	11.35	11.35	0.00	9.65	9.65	0.00	9.04	9.04	0.00	8.75	8.75	0.00	8.54	8.54	0.00
00825	13.96	13.96	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.18	14.18	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.33	14.33	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.57	14.57	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.56	14.56	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.06	15.06	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.39	14.39	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.22	15.22	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.02	10.02	0.00	8.91	8.91	0.00	8.21	8.21	0.00	7.81	7.81	0.00	7.37	7.37	0.00
00831	11.45	11.45	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.12	10.12	0.00	8.99	8.99	0.00	8.31	8.31	0.00	7.92	7.92	0.00	7.51	7.51	0.00
008331	10.15	10.15	0.00	9.02	9.02	0.00	8.34	8.34	0.00	7.96	7.96	0.00	7.55	7.55	0.00
00834	11.98	11.98	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.68	10.68	0.00	10.36	10.36	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.36	12.36	0.00	12.18	12.17	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.03	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.03	13.03	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.47	13.47	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.56	12.56	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.14	14.14	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.06	14.06	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.61	13.61	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.52	13.52	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.96	14.96	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.45	15.45	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00
00852Y	15.07	15.07	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.78	16.78	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.76	15.77	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.97	14.97	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.04	15.04	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.42	15.42	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.39	15.39	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00867A	16.61	16.61	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.18	16.18	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.71	16.71	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.39	17.39	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.37	15.37	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.58	15.58	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.43	15.43	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.53	15.53	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.39	15.39	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.36	15.36	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.49	15.49	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.34	15.34	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.35	15.35	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.17	16.17	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.95	15.95	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.34	15.34	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.53	6.53	0.00	6.13	6.13	0.00	5.65	5.65	0.00	5.31	5.31	0.00	4.90	4.90	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.64	11.64	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.91	11.91	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	9.01	8.99	-0.01	8.56	8.54	-0.02	8.06	7.98	-0.08	7.43	7.39	-0.04	6.89	6.85	-0.04
01005	9.04	9.02	-0.02	8.60	8.57	-0.03	8.11	7.97	-0.14	7.49	7.37	-0.12	6.97	6.82	-0.15
01020	9.62	9.57	-0.05	9.45	9.20	-0.25	8.79	7.94	-0.84	7.90	7.33	-0.57	7.31	6.74	-0.57
01020R	10.34	10.34	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	9.01	8.98	-0.02	8.55	8.53	-0.03	8.06	7.97	-0.09	7.49	7.38	-0.11	6.99	6.85	-0.14
01100F	9.00	8.98	-0.02	8.55	8.53	-0.03	8.06	7.98	-0.09	7.53	7.52	-0.01	7.35	7.35	0.00
01100G	9.00	8.98	-0.02	8.54	8.51	-0.02	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.73	8.72	-0.01	8.47	8.46	-0.02	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00
01100I	8.35	8.35	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	9.00	8.98	-0.02	8.55	8.53	-0.03	8.07	7.99	-0.08	7.74	7.74	0.00	7.63	7.63	0.00
01100X	9.00	8.98	-0.02	8.55	8.52	-0.03	8.06	7.98	-0.09	7.50	7.40	-0.10	7.02	6.91	-0.12
01200	4.09	4.09	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
01201	4.13	4.13	0.00	4.10	4.10	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00
01201F	4.22	4.22	0.00	4.17	4.17	0.00	4.14	4.14	0.00	4.13	4.13	0.00	4.11	4.11	0.00
01202	4.09	4.09	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
01203	4.49	4.49	-0.01	4.21	4.21	0.00	4.14	4.14	0.00	4.13	4.13	0.00	4.12	4.12	0.00
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.64	5.60	-0.03	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.49	4.48	-0.01	4.21	4.21	0.00	4.13	4.14	0.00	4.12	4.13	0.00	4.11	4.12	0.00
01222	5.95	5.92	-0.03	5.30	5.18	-0.12	4.65	4.56	-0.09	4.56	4.46	-0.10	4.42	4.33	-0.09

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01223	5.95	5.92	-0.03	5.30	5.18	-0.12	4.65	4.56	-0.09	4.56	4.46	-0.10	4.42	4.34	-0.09
01224	5.95	5.93	-0.03	5.31	5.19	-0.12	4.65	4.57	-0.09	4.57	4.47	-0.10	4.43	4.35	-0.09
01225	6.11	6.08	-0.03	5.41	5.31	-0.10	4.82	4.79	-0.03	4.77	4.73	-0.04	4.63	4.55	-0.08
01226	6.86	6.83	-0.03	6.10	6.01	-0.09	5.51	5.48	-0.02	5.37	5.34	-0.03	5.02	4.94	-0.08
01227	7.36	7.33	-0.02	6.58	6.49	-0.09	5.95	5.94	-0.02	5.76	5.74	-0.02	5.28	5.20	-0.08
01228	7.84	7.83	-0.02	7.08	7.00	-0.08	6.33	6.32	-0.01	6.12	6.10	-0.02	5.67	5.67	0.00
01229	9.03	8.95	-0.08	7.97	7.88	-0.09	7.02	6.93	-0.09	6.62	6.61	-0.01	6.00	6.00	0.00
01230	8.39	8.37	-0.01	8.00	7.97	-0.03	7.08	6.97	-0.12	6.63	6.62	-0.01	6.01	6.01	0.00
01231	8.64	8.62	-0.02	7.99	7.92	-0.06	7.12	7.05	-0.07	6.71	6.71	-0.01	6.07	6.07	-0.01
01232	8.38	8.36	-0.01	7.99	7.97	-0.03	7.29	7.24	-0.05	6.81	6.80	0.00	6.14	6.14	-0.01
01233	8.43	8.41	-0.01	8.01	7.99	-0.03	7.29	7.24	-0.05	6.84	6.84	0.00	6.22	6.21	-0.01
01234	8.43	8.41	-0.01	8.01	7.99	-0.03	7.29	7.24	-0.05	6.84	6.84	0.00	6.22	6.21	-0.01
01300	4.10	4.10	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01400	5.33	5.32	-0.01	5.18	5.17	-0.01	5.06	5.04	-0.02	4.97	4.94	-0.02	4.83	4.80	-0.03
01401	6.55	6.49	-0.06	6.29	6.26	-0.03	6.08	6.05	-0.02	5.91	5.88	-0.03	5.65	5.59	-0.06
01402	6.62	6.55	-0.07	6.33	6.30	-0.03	6.12	6.09	-0.02	5.95	5.92	-0.03	5.69	5.63	-0.06
01403	7.60	7.37	-0.24	6.83	6.78	-0.05	6.52	6.47	-0.05	6.32	6.28	-0.04	6.01	5.94	-0.07
01410	8.76	8.63	-0.13	7.97	7.85	-0.12	7.43	7.35	-0.08	7.14	7.08	-0.06	6.73	6.63	-0.10
01411	8.96	8.92	-0.04	8.24	8.10	-0.14	7.64	7.53	-0.11	7.23	7.15	-0.08	6.79	6.68	-0.11
01412	9.14	9.08	-0.05	8.75	8.67	-0.08	8.36	8.13	-0.23	7.50	7.39	-0.11	6.98	6.85	-0.12
01413	9.14	9.09	-0.06	8.76	8.67	-0.09	8.38	8.21	-0.17	7.88	7.71	-0.17	7.24	7.09	-0.15
01414	9.77	8.66	-1.11	9.73	6.85	-2.88	9.69	6.83	-2.86	9.47	6.83	-2.64	8.35	6.83	-1.52
01415	9.14	9.09	-0.05	8.76	8.67	-0.08	8.38	8.21	-0.17	7.88	7.71	-0.16	7.25	7.10	-0.15
01416	9.14	9.09	-0.05	8.76	8.67	-0.08	8.38	8.22	-0.17	7.88	7.72	-0.16	7.25	7.10	-0.15
01417	9.15	9.10	-0.05	8.76	8.68	-0.08	8.39	8.22	-0.17	7.88	7.72	-0.16	7.25	7.11	-0.14
01420	9.13	9.07	-0.05	8.72	8.61	-0.11	8.06	8.00	-0.06	7.80	7.73	-0.07	7.32	7.20	-0.13
01421	8.96	8.88	-0.08	8.70	8.59	-0.11	8.34	8.19	-0.15	8.11	7.97	-0.14	7.77	7.67	-0.10
01422	8.91	8.83	-0.08	8.70	8.53	-0.17	8.53	8.27	-0.26	8.36	8.07	-0.29	8.14	7.91	-0.23
01430	9.17	9.12	-0.05	8.80	8.73	-0.06	8.56	8.54	-0.02	8.40	8.36	-0.04	7.90	7.75	-0.15
01431	9.17	9.12	-0.05	8.80	8.74	-0.06	8.58	8.56	-0.02	8.43	8.39	-0.03	8.15	8.11	-0.04
01432	9.17	9.12	-0.05	8.80	8.74	-0.06	8.62	8.61	-0.01	8.52	8.50	-0.02	8.32	8.28	-0.04
01433	9.18	9.13	-0.05	8.80	8.74	-0.06	8.63	8.62	-0.01	8.53	8.52	-0.01	8.43	8.41	-0.01
01440	9.19	9.14	-0.05	8.83	8.78	-0.05	8.67	8.66	-0.01	8.55	8.53	-0.02	8.34	8.30	-0.04
01441	9.18	9.14	-0.05	8.82	8.77	-0.05	8.66	8.65	-0.01	8.55	8.52	-0.02	8.33	8.30	-0.04
01442	9.30	9.28	-0.02	9.12	9.11	-0.01	9.00	8.98	-0.01	8.88	8.86	-0.02	8.68	8.65	-0.03
01450	9.31	9.30	-0.01	9.15	9.15	-0.01	9.05	9.04	-0.01	8.96	8.95	-0.01	8.86	8.85	-0.01
01451	9.21	9.17	-0.04	8.91	8.90	-0.01	8.82	8.81	-0.01	8.75	8.74	-0.01	8.68	8.68	-0.01
01452	10.70	10.69	-0.01	10.53	10.52	-0.01	10.43	10.42	-0.01	10.37	10.35	-0.01	10.28	10.27	-0.01
01453	10.89	10.89	-0.01	10.71	10.70	-0.01	10.60	10.58	-0.02	10.52	10.51	-0.02	10.43	10.42	-0.01
01454	12.73	12.72	-0.01	12.58	12.57	-0.02	12.48	12.46	-0.02	12.41	12.38	-0.03	12.30	12.28	-0.03
01460	12.14	12.14	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.85	-0.01
01461	12.46	12.46	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.36	12.35	-0.01
01462	12.79	12.79	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.67	-0.01
01463	13.25	13.25	0.00	13.18	13.18	0.00	13.14	13.13	-0.01	13.10	13.09	-0.01	13.04	13.01	-0.03

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01463F	13.63	13.63	0.00	13.60	13.60	0.00	13.57	13.58	0.01	13.55	13.56	0.01	13.52	13.54	0.02
01463G	13.63	13.63	0.00	13.59	13.60	0.00	13.57	13.58	0.01	13.54	13.56	0.02	13.52	13.54	0.02
01464	13.53	13.52	-0.01	13.42	13.39	-0.03	13.34	13.30	-0.04	13.28	13.22	-0.05	13.19	13.11	-0.08
01465	13.90	13.91	0.01	13.84	13.86	0.02	13.80	13.82	0.02	13.77	13.79	0.02	13.73	13.76	0.03
01466	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.34	5.24	-0.10	5.20	5.10	-0.10	5.12	5.01	-0.11	5.06	4.93	-0.12	4.98	4.84	-0.14
01501	5.35	5.25	-0.10	5.21	5.11	-0.10	5.13	5.02	-0.11	5.06	4.94	-0.12	4.98	4.85	-0.13
01502	5.37	5.26	-0.11	5.22	5.11	-0.11	5.13	5.02	-0.12	5.07	4.94	-0.12	4.98	4.85	-0.14
01503	5.84	5.77	-0.07	5.55	5.48	-0.07	5.40	5.32	-0.08	5.28	5.17	-0.11	5.10	4.94	-0.16
01504	5.34	5.24	-0.10	5.21	5.10	-0.10	5.12	5.01	-0.11	5.06	4.94	-0.12	4.98	4.84	-0.13
01510	6.25	6.22	-0.03	6.19	6.06	-0.13	6.15	5.83	-0.32	6.12	5.63	-0.49	6.07	5.39	-0.69
01520	7.68	7.55	-0.13	7.61	7.05	-0.56	7.58	6.61	-0.97	7.55	6.32	-1.23	7.46	5.97	-1.49
01530	8.33	7.91	-0.42	7.95	7.29	-0.66	7.76	6.88	-0.88	7.69	6.62	-1.08	7.59	6.27	-1.31
01531	7.11	7.04	-0.06	6.98	6.96	-0.02	6.94	6.89	-0.04	6.91	6.84	-0.07	6.87	6.77	-0.10
01532	7.00	7.00	-0.01	6.94	6.92	-0.01	6.89	6.87	-0.03	6.86	6.82	-0.04	6.82	6.76	-0.06
01540	8.90	8.82	-0.08	8.69	8.52	-0.17	8.52	8.26	-0.26	8.36	8.07	-0.29	8.14	7.83	-0.31
01541	8.90	8.82	-0.08	8.69	8.53	-0.17	8.52	8.26	-0.26	8.36	8.07	-0.29	8.14	7.84	-0.31
01550	8.91	8.83	-0.08	8.70	8.53	-0.17	8.53	8.27	-0.26	8.36	8.07	-0.29	8.14	7.84	-0.31
01551	8.91	8.82	-0.08	8.69	8.52	-0.17	8.52	8.26	-0.26	8.36	8.07	-0.29	8.14	7.83	-0.31
01552	8.91	8.83	-0.08	8.70	8.53	-0.17	8.53	8.27	-0.26	8.36	8.08	-0.28	8.15	7.85	-0.30
01552F	11.26	11.26	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.44	9.44	0.00	9.37	9.37	0.00	9.32	9.31	0.00	9.28	9.27	0.00	9.22	9.22	0.00
01600	6.27	6.27	0.00	6.23	6.23	0.00	6.20	6.20	0.00	6.17	6.17	0.00	5.90	5.90	0.00
01601	5.88	5.88	0.00	5.74	5.74	0.00	5.35	5.35	0.00	4.98	4.98	0.00	4.66	4.66	0.00
01700	6.70	6.30	-0.40	6.02	5.78	-0.24	5.85	5.57	-0.29	5.71	5.45	-0.26	5.47	5.32	-0.15
01701	6.50	6.16	-0.34	5.95	5.72	-0.23	5.78	5.54	-0.24	5.64	5.43	-0.21	5.44	5.32	-0.12
01710	8.89	8.84	-0.05	8.78	8.69	-0.10	8.68	8.18	-0.51	8.41	7.78	-0.63	7.73	7.52	-0.21
01711	8.88	8.78	-0.09	8.77	8.59	-0.19	8.68	8.10	-0.58	8.42	7.76	-0.66	7.78	7.52	-0.26
01712	7.79	7.84	0.05	7.69	7.74	0.05	7.61	7.66	0.05	7.56	7.59	0.03	7.50	7.49	-0.01
01713	10.15	8.26	-1.89	10.10	7.93	-2.17	10.07	7.77	-2.30	10.05	7.67	-2.38	10.00	7.54	-2.46
01720	9.83	9.83	-0.01	9.69	9.68	-0.01	9.59	9.51	-0.08	9.47	9.31	-0.16	8.97	8.79	-0.18
01730	11.07	11.07	0.00	11.02	11.01	0.00	10.97	10.96	-0.01	10.91	10.87	-0.04	10.42	10.29	-0.13
01740	13.20	13.20	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.07	0.00	12.99	12.99	0.00
01741	14.19	14.19	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.09	14.09	0.00	13.84	13.85	0.01
01742	14.41	14.41	0.00	14.36	14.36	0.00	14.29	14.29	0.00	14.20	14.20	0.00	13.89	13.90	0.02
01750	13.77	13.77	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.63	0.01	13.57	13.58	0.01
01751	13.83	13.84	0.00	13.76	13.77	0.00	13.72	13.72	0.00	13.68	13.68	0.01	13.62	13.63	0.01
01752	13.85	13.89	0.04	13.79	13.83	0.04	13.73	13.79	0.05	13.68	13.76	0.08	13.62	13.71	0.09
01760	14.01	14.01	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.70	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.87	13.87	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.70	13.70	0.00
01770	14.08	14.07	-0.01	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.69	13.69	0.00
01800	8.64	8.24	-0.40	8.06	6.06	-2.00	6.93	5.30	-1.63	6.08	4.97	-1.11	5.44	4.64	-0.80
01810	10.47	10.47	-0.01	10.25	8.00	-2.25	7.73	7.41	-0.31	7.12	7.12	0.00	6.88	6.88	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01820	10.53	10.52	-0.01	10.31	10.03	-0.28	9.03	7.19	-1.84	7.38	6.19	-1.20	6.17	5.36	-0.82
01824F	15.08	15.08	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.23	15.23	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.02	11.00	-0.02	10.78	10.55	-0.23	9.72	7.85	-1.86	7.81	6.59	-1.22	6.42	5.60	-0.82
01831A	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.67	15.67	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.09	15.09	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.99	11.95	-0.04	11.71	11.59	-0.13	11.11	9.23	-1.88	8.61	8.43	-0.18	7.88	7.85	-0.03
01848	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.22	12.20	-0.01	11.98	11.94	-0.04	11.58	11.56	-0.02	11.19	11.18	-0.01	10.65	10.62	-0.03
01853D	16.12	16.12	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.12	17.12	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.82	15.82	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.34	16.34	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.24	12.23	-0.01	12.01	11.97	-0.04	11.69	11.68	-0.01	11.42	11.41	-0.01	10.92	10.88	-0.04
01870	12.26	12.25	-0.01	12.02	11.98	-0.04	11.70	11.69	-0.01	11.43	11.42	-0.01	10.99	10.96	-0.03
01880	12.36	12.35	-0.01	12.13	12.10	-0.02	11.96	11.95	0.00	11.88	11.87	-0.01	11.79	11.78	-0.01
01900	5.65	5.65	0.00	5.47	5.47	0.00	5.29	5.28	0.00	5.14	5.14	0.00	4.74	4.73	-0.01
01901	7.11	7.11	-0.01	6.76	6.76	0.00	6.41	6.40	0.00	6.13	6.12	-0.01	5.34	5.32	-0.02
01902	8.12	8.07	-0.05	7.55	7.55	0.00	7.14	7.14	0.00	6.82	6.81	-0.01	5.74	5.71	-0.03
01911	8.13	8.08	-0.05	7.56	7.55	0.00	7.15	7.14	0.00	6.82	6.81	-0.01	5.75	5.71	-0.03
01920	9.40	9.32	-0.08	8.50	8.50	-0.01	8.07	8.06	-0.01	7.70	7.68	-0.02	6.63	6.61	-0.02
01921	10.77	10.68	-0.09	9.48	9.47	-0.01	9.06	9.06	-0.01	8.69	8.68	-0.02	7.24	7.20	-0.03
01930	11.61	11.57	-0.05	10.85	10.81	-0.03	10.51	10.50	-0.01	10.18	10.17	-0.02	8.11	8.06	-0.05
01940	12.26	12.25	-0.01	12.02	11.99	-0.03	11.69	11.68	-0.01	11.35	11.33	-0.02	8.78	8.72	-0.06
01950	12.26	12.25	-0.01	12.02	11.99	-0.03	11.69	11.68	-0.01	11.36	11.34	-0.02	8.82	8.76	-0.06
01953	12.27	12.26	-0.01	12.03	12.00	-0.03	11.72	11.71	-0.01	11.41	11.39	-0.02	9.06	9.00	-0.07
01954	12.35	12.34	-0.01	12.10	12.07	-0.02	11.95	11.95	0.00	11.86	11.85	-0.01	11.31	11.11	-0.20
02000	9.04	9.04	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.65	7.65	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.58	9.57	-0.01	7.46	7.46	0.00	6.39	6.39	0.00	5.72	5.72	0.00	5.14	5.14	0.00
02110	10.34	10.32	-0.02	8.68	8.68	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.90	10.88	-0.01	10.56	10.56	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.70	10.68	-0.02	9.12	9.12	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	11.00	10.98	-0.02	10.69	10.69	0.00	9.06	9.06	0.00	8.19	8.19	0.00	7.41	7.41	0.00
02170	10.92	10.91	-0.01	10.68	10.68	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.81	12.81	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.20	10.20	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.58	12.57	-0.01	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	10.16	10.16	-0.01	9.56	9.55	-0.01	9.19	9.19	0.00	8.78	8.77	-0.01	8.36	8.35	-0.01
02200Y	11.93	11.93	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	7.52	7.52	0.00	7.01	7.01	0.00	6.73	6.73	0.00	6.45	6.45	0.00	6.22	6.22	0.00
02202A	14.60	14.60	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.13	12.13	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02202YA	13.21	13.21	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.27	11.27	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.27	12.27	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.72	10.71	-0.01	10.03	10.02	-0.01	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.02	13.02	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.68	12.68	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.49	14.49	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.98	14.98	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.79	15.79	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.84	12.85	0.00
02250	12.40	12.39	-0.01	11.99	11.97	-0.02	11.39	11.38	-0.01	10.81	10.80	-0.01	10.09	10.08	-0.01
02250B	12.84	12.84	0.00	12.71	12.71	0.00	12.59	12.59	0.00	12.50	12.50	0.00	12.37	12.37	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.53	12.53	0.00	12.38	12.38	0.00	12.04	12.03	0.00	11.20	11.18	-0.01	10.59	10.58	-0.01
02253	12.44	12.44	0.00	12.30	12.30	0.00	11.99	11.99	0.00	11.86	11.86	0.00	11.74	11.74	0.00
02254A	12.58	12.58	0.00	12.45	12.45	0.00	12.33	12.33	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.27	12.26	-0.01	12.09	12.09	0.00	12.04	12.04	0.00	11.99	11.99	0.00	11.94	11.94	0.00
02260	12.40	12.39	-0.01	12.10	12.08	-0.02	11.70	11.69	-0.01	11.22	11.20	-0.02	10.66	10.65	-0.01
02261	12.36	12.36	-0.01	12.09	12.07	-0.02	11.70	11.69	-0.01	11.23	11.22	-0.02	10.96	10.95	-0.01
02270	12.50	12.50	0.00	12.36	12.35	-0.01	12.22	12.22	0.00	12.05	12.04	-0.01	11.82	11.80	-0.01
02271	12.54	12.53	0.00	12.45	12.44	0.00	12.39	12.38	0.00	12.31	12.30	-0.01	12.17	12.16	-0.02
02271F	13.42	13.42	0.00	13.27	13.27	-0.01	13.17	13.16	-0.01	13.08	13.06	-0.01	12.95	12.93	-0.03
02272	12.79	12.78	0.00	12.67	12.66	0.00	12.55	12.54	0.00	12.41	12.40	-0.01	12.23	12.22	-0.01
02273	13.86	13.86	0.00	13.61	13.61	0.00	13.24	13.23	-0.01	12.85	12.83	-0.01	12.51	12.49	-0.02
02274	14.63	14.63	0.00	14.50	14.50	0.00	13.92	13.91	-0.01	13.27	13.26	-0.01	12.77	12.76	-0.01
02280	13.23	13.22	0.00	13.11	13.11	-0.01	13.04	13.04	-0.01	12.99	12.98	-0.01	12.90	12.87	-0.02
02281A	13.82	13.82	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.66	-0.01	13.36	13.31	-0.05
02281Y	13.52	13.51	0.00	13.40	13.39	-0.01	13.34	13.33	-0.01	13.30	13.29	-0.01	13.23	13.21	-0.03
02282A	14.47	14.46	-0.01	14.23	14.22	-0.01	14.08	14.07	-0.01	13.97	13.95	-0.02	13.84	13.79	-0.06
02282B	14.57	14.54	-0.03	14.33	14.31	-0.02	14.21	14.17	-0.04	14.12	14.04	-0.08	14.00	13.86	-0.14
02282Y	14.15	14.14	-0.01	14.00	13.99	-0.01	13.92	13.91	-0.02	13.86	13.83	-0.03	13.77	13.71	-0.06
02283	15.14	15.11	-0.03	15.05	15.00	-0.05	14.98	14.89	-0.09	14.90	14.65	-0.25	14.82	14.32	-0.51
02284	14.78	14.78	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.01	15.01	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
02292	11.95	11.95	0.00	11.13	11.13	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.79	11.79	0.00	11.03	11.03	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.45	13.45	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.68	12.68	0.00	11.24	11.24	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.32	13.32	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.41	12.40	-0.01	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.81	12.81	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.08	8.08	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.69	9.69	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.97	10.97	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.72	11.72	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.51	11.51	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.54	11.54	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.75	11.75	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.77	11.77	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.76	11.76	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.09	12.09	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.76	11.76	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.79	11.79	0.00	11.56	11.56	0.00	11.27	11.27	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.29	12.29	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.96	13.96	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.09	14.09	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.76	14.76	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.52	14.52	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.49	14.49	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.82	14.82	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.72	13.72	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.71	14.71	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.37	15.37	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.96	7.96	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.33	11.33	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.89	9.89	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.51	11.51	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.70	14.70	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.42	15.42	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.42	15.42	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.42	15.42	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.83	14.83	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.68	15.68	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.91	12.91	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.42	14.42	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.64	10.64	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.89	12.89	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.95	10.95	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02712	11.18	11.18	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.21	15.21	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.20	15.20	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.37	15.37	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.57	13.57	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.44	14.44	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.92	14.92	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.45	14.45	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	16.00	16.00	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.92	15.92	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.38	15.38	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.81	15.81	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.15	16.15	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.38	15.38	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02723	16.17	16.17	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.18	16.18	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.19	16.19	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.15	16.15	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.16	16.16	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.15	16.15	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.16	16.16	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.20	16.20	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.14	16.14	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.37	15.37	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.73	15.73	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.19	16.19	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.93	15.93	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.20	16.20	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.19	16.19	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.09	17.09	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.10	17.10	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.10	17.10	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.03	16.03	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.07	16.07	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.22	16.22	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.20	16.20	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.22	16.22	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.66	16.66	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.24	16.24	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.23	16.23	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.25	16.25	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.57	16.57	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02781	16.67	16.67	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.24	16.24	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.78	16.78	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.42	17.42	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.78	16.78	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.01	16.01	-0.01	15.61	15.60	-0.01	15.31	15.30	-0.01	14.96	14.93	-0.03	13.37	13.06	-0.31
02800	11.85	11.85	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.70	9.70	0.00	8.74	8.74	0.00
02805	11.32	11.32	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.43	14.43	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.25	14.25	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00
02830	12.71	12.71	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.23	8.23	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	14.00	14.00	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.83	13.83	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	4.09	4.10	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00
02900F	5.11	5.11	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.01	5.01	0.00
02901F	4.09	4.09	0.00	4.09	4.09	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
02910	4.17	4.18	0.00	4.15	4.15	0.00	4.13	4.13	0.00	4.11	4.12	0.00	4.10	4.10	0.00
02910A	4.18	4.18	0.00	4.15	4.15	0.00	4.13	4.13	0.00	4.12	4.12	0.00	4.11	4.11	0.00
02911	7.79	7.79	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.40	6.40	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.02	10.02	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.65	7.65	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.02	8.02	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.21	8.21	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.06	13.06	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	15.00	15.00	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.68	13.68	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	4.10	4.11	0.00	4.10	4.10	0.00	4.09	4.09	0.00	4.09	4.09	0.00	4.09	4.09	0.00
02970	6.53	6.53	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.50	8.50	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
03000F	4.09	4.09	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
08681A	17.10	17.10	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.08	17.08	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.96	16.96	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF10	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF11	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF2	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF3	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
GULF4	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF5	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF6	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF7	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF8	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
GULF9	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
I02954	14.85	14.85	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
N00205	11.22	11.21	-0.01	11.00	10.98	-0.02	10.82	10.80	-0.02	10.65	10.62	-0.03	10.30	10.26	-0.04
N00211	10.58	10.57	-0.01	10.41	10.40	-0.01	10.27	10.26	-0.01	10.17	10.16	-0.01	10.09	10.08	-0.01
N00230	13.49	13.49	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.22	-0.02	12.85	12.83	-0.03
N00235	13.20	13.17	-0.03	12.95	12.91	-0.03	12.75	12.72	-0.04	12.60	12.57	-0.04	12.41	12.37	-0.04
N00237	13.37	13.35	-0.03	13.12	13.08	-0.03	12.91	12.88	-0.03	12.76	12.73	-0.03	12.58	12.54	-0.03
N00255	14.05	14.04	-0.01	13.99	13.98	0.00	13.97	13.96	-0.01	13.95	13.95	-0.01	13.94	13.92	-0.01
N00515	6.16	6.16	-0.01	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.30	6.26	-0.03	6.11	6.09	-0.03	6.00	5.98	-0.02	5.93	5.89	-0.04	5.85	5.85	0.00
N00828	14.80	14.80	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.60	14.60	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.83	13.83	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.65	13.65	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13.00	13.00	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.76	15.76	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.70	16.70	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.70	16.70	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.84	16.84	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.75	16.75	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.45	16.45	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.24	16.24	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.00	15.00	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.08	15.08	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.03	15.03	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.04	11.04	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.86	12.86	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.13	11.13	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.33	10.33	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.13	12.13	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.93	11.93	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.34	11.34	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.48	11.48	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.45	11.45	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.69	6.69	0.00	6.64	6.63	-0.01	6.59	6.56	-0.03	6.52	6.29	-0.23	6.01	5.46	-0.55
N01463	13.57	13.57	0.00	13.54	13.55	0.00	13.53	13.53	0.01	13.51	13.52	0.01	13.49	13.50	0.01
N01468	14.09	14.05	-0.04	13.93	13.87	-0.06	13.86	13.82	-0.04	13.82	13.78	-0.04	13.79	13.74	-0.04

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
N01824	15.00	15.00	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.04	14.04	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.32	14.32	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.41	15.41	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.67	15.67	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00
N01834	15.65	15.65	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.21	15.21	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.72	14.72	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.28	14.28	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.37	15.37	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.04	14.04	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.72	14.72	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.72	14.72	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.72	14.72	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.72	14.72	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.64	14.64	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.72	14.72	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.76	14.76	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.43	13.43	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.81	14.81	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.35	15.35	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.07	15.07	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.31	15.31	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.08	15.08	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.92	16.92	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.79	14.79	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.32	15.31	-0.01	15.23	15.21	-0.02	15.14	15.07	-0.07	15.02	14.84	-0.18	14.83	14.51	-0.32
N02289	15.66	15.66	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.83	13.83	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.07	16.07	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.76	16.76	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.71	16.71	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.11	17.11	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.45	15.45	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.25	15.25	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	12.40	12.40	0.00	10.49	10.49	0.00	9.07	9.07	0.00	8.20	8.20	0.00	7.85	7.85	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
N02852	13.99	13.99	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	4.12	4.12	0.00	4.10	4.11	0.00	4.10	4.10	0.00	4.10	4.10	0.00	4.09	4.09	0.00
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00	4.08	4.08	0.00
John Nolen Park	-	13.54	-	-	13.20	-	-	12.95	-	-	12.78	-	-	12.58	-
Venezia Park	-	14.74	-	-	14.64	-	-	14.30	-	-	13.90	-	-	13.52	-
Prentiss French Park	-	8.75	-	-	8.46	-	-	8.21	-	-	8.02	-	-	7.80	-
00533A	-		-	-		-	-		-	-		-	-		-
Parking Storage	-	11.64	-	-	11.30	-	-	9.23	-	-	8.16	-	-	7.68	-

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00100	8.23	8.20	-0.03	7.31	7.22	-0.09
00100A	9.62	9.61	-0.01	9.33	9.29	-0.04
00100B	9.65	9.64	-0.01	9.35	9.30	-0.04
00100C	9.69	9.68	-0.01	9.36	9.32	-0.04
00200	9.71	9.70	-0.01	9.37	9.33	-0.05
00200A	6.03	6.03	0.00	5.91	5.89	-0.01
00204	10.14	10.13	-0.02	9.79	9.76	-0.03
00210	10.45	10.44	-0.01	10.15	10.13	-0.02
00212	11.58	11.56	-0.02	11.30	11.28	-0.03
00215	12.10	12.10	0.00	11.99	11.98	0.00
00216	11.78	11.75	-0.03	11.48	11.45	-0.03
00217	11.96	11.93	-0.03	11.65	11.62	-0.03
00220	12.17	12.14	-0.04	11.86	11.83	-0.03
00221	12.45	12.42	-0.04	12.15	12.12	-0.04
00231	13.33	13.25	-0.08	13.23	13.12	-0.11
00232	13.64	13.53	-0.11	13.55	13.39	-0.15
00233	12.95	12.93	-0.03	12.70	12.67	-0.03
00234	12.78	12.77	0.00	12.67	12.66	-0.01
00236	13.59	13.59	0.00	13.51	13.51	-0.01
00240	13.40	13.37	-0.04	13.12	13.09	-0.03
00241	13.90	13.90	0.00	13.81	13.80	0.00
00242	13.58	13.54	-0.04	13.31	13.28	-0.03
00250	13.90	13.86	-0.04	13.65	13.62	-0.03
00251	13.69	13.68	0.00	13.62	13.61	-0.01
00252	14.65	14.65	0.00	14.57	14.57	0.00
00300	8.73	8.73	0.00	8.68	8.68	0.00
00301	9.73	9.73	0.00	9.57	9.57	0.00
00400	8.72	8.72	0.00	8.64	8.64	0.00
00401	8.71	8.71	0.00	8.64	8.64	0.00
00500	4.73	4.71	-0.02	4.47	4.46	-0.01
00501	4.75	4.73	-0.02	4.49	4.47	-0.02
00502	4.95	4.92	-0.03	4.61	4.59	-0.02
00510	5.36	5.34	-0.02	5.14	5.12	-0.03
00511	9.80	9.79	-0.01	8.74	8.73	-0.01
00513	6.78	6.74	-0.04	6.37	6.29	-0.07
00516	7.42	7.35	-0.06	6.83	6.73	-0.10
00520	9.83	9.81	-0.03	9.58	9.52	-0.05
00521	10.47	10.45	-0.02	10.29	10.26	-0.03
00522	11.39	11.35	-0.04	11.07	11.02	-0.05
00530	12.42	12.40	-0.02	12.15	12.10	-0.05
00530x	12.03	12.01	-0.02	11.82	11.77	-0.04

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00531	12.68	12.65	-0.03	12.54	12.50	-0.04
00532	13.47	13.46	-0.01	13.36	13.34	-0.02
00533	13.48	13.47	-0.01	13.37	13.34	-0.02
00537	13.56	13.74	0.18	13.45	13.60	0.15
00538	14.46	14.44	-0.02	14.40	14.36	-0.05
00539	14.54	14.54	0.00	14.48	14.46	-0.02
00540	14.02	13.97	-0.05	13.96	13.88	-0.08
00541A	14.13	14.09	-0.05	14.08	13.98	-0.10
00541Y	14.41	14.34	-0.07	14.36	14.17	-0.19
00542	14.74	14.75	0.02	14.69	14.70	0.01
00543	14.89	14.89	0.00	14.83	14.81	-0.03
00544	15.61	15.61	0.00	15.58	15.58	0.00
00545	15.07	15.03	-0.04	15.00	14.86	-0.14
00546	13.65	13.64	-0.01	13.55	13.53	-0.02
00547	13.66	13.66	-0.01	13.56	13.54	-0.02
00548	14.51	14.48	-0.02	14.48	14.44	-0.04
00560	13.51	13.49	-0.02	13.08	12.99	-0.09
00561	13.53	13.50	-0.02	13.10	13.02	-0.08
00562	13.80	13.79	-0.02	13.55	13.51	-0.03
00563	14.09	14.08	-0.01	13.94	13.92	-0.02
00564	15.02	15.02	0.00	14.58	14.55	-0.03
00565	15.51	15.50	-0.01	15.02	14.99	-0.03
00571	13.97	13.95	-0.03	13.49	13.40	-0.09
00572	14.25	14.23	-0.02	13.95	13.89	-0.06
00574	14.69	14.67	-0.02	14.44	14.38	-0.06
005741	14.69	14.67	-0.02	14.44	14.38	-0.06
00574F	14.75	14.73	-0.02	14.51	14.46	-0.05
00575	14.75	14.73	-0.02	14.50	14.45	-0.05
00575B	14.75	14.73	-0.02	14.50	14.45	-0.05
00576	15.50	15.49	-0.02	15.04	15.00	-0.04
00577	15.57	15.55	-0.01	15.13	15.10	-0.03
00580	16.35	16.35	0.00	16.28	16.28	0.00
00581	15.78	15.77	-0.01	15.38	15.36	-0.02
00582	16.19	16.18	-0.01	15.60	15.58	-0.02
00583	16.25	16.25	-0.01	15.64	15.61	-0.02
00584	15.81	15.80	-0.01	15.52	15.51	-0.02
00585	15.81	15.81	-0.01	15.61	15.60	-0.01
00586	15.78	15.78	0.00	15.68	15.68	0.00
00600	8.15	8.15	0.00	8.13	8.13	0.00
00601	9.68	9.68	0.00	9.42	9.42	0.00
00700	8.70	8.70	0.00	8.67	8.67	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00701	10.81	10.81	0.00	10.67	10.67	0.00
00800	6.96	6.96	0.00	6.19	6.19	0.00
00800A	11.00	11.00	0.00	10.93	10.93	0.00
00800x	4.93	4.93	0.00	4.55	4.55	0.00
00802	7.95	7.95	0.00	7.11	7.11	0.00
00805A	11.40	11.40	0.00	11.37	11.37	0.00
00811	9.18	9.18	0.00	8.12	8.12	0.00
00812A	13.06	13.06	0.00	12.99	12.99	0.00
00812Y	12.89	12.89	0.00	12.17	12.17	0.00
00813	9.23	9.23	0.00	8.18	8.18	0.00
00821	10.34	10.34	0.00	8.84	8.84	0.00
00823	10.42	10.42	0.00	9.00	9.00	0.00
00824	10.50	10.50	0.00	9.23	9.23	0.00
00825	13.88	13.88	0.00	13.63	13.63	0.00
00827A	14.13	14.13	0.00	13.92	13.92	0.00
00827B	14.27	14.27	0.00	14.04	14.04	0.00
00827C	14.26	14.26	0.00	14.03	14.03	0.00
00827D	14.52	14.52	0.00	14.42	14.42	0.00
00827F	14.51	14.51	0.00	14.42	14.42	0.00
00827Y	14.99	14.99	0.00	14.88	14.88	0.00
00828	14.33	14.33	0.00	14.05	14.05	0.00
00829A	14.62	14.62	0.00	14.44	14.44	0.00
00829Y	15.18	15.18	0.00	15.10	15.10	0.00
00830	9.43	9.43	0.00	8.42	8.42	0.00
00831	11.41	11.41	0.00	11.37	11.37	0.00
00833	9.52	9.52	0.00	8.51	8.51	0.00
008331	9.55	9.55	0.00	8.54	8.54	0.00
00834	11.85	11.85	0.00	11.62	11.62	0.00
00835A	12.13	12.13	0.00	11.92	11.92	0.00
00840	10.50	10.50	0.00	10.04	10.03	0.00
00841	12.20	12.20	0.00	12.01	12.01	0.00
00841b	10.86	10.86	0.00	10.44	10.44	0.00
00842	12.92	12.92	0.00	12.82	12.82	0.00
00843	13.30	13.30	0.00	13.14	13.14	0.00
00843b	12.40	12.40	0.00	12.21	12.21	0.00
00843F	14.08	14.08	0.00	14.06	14.06	0.00
00844	13.91	13.91	0.00	13.76	13.76	0.00
00844F	13.46	13.46	0.00	13.33	13.33	0.00
00845	13.37	13.37	0.00	13.27	13.27	0.00
00851Y	14.88	14.88	0.00	14.73	14.73	0.00
00852A	15.36	15.36	0.00	15.22	15.22	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
00852Y	14.97	14.97	0.00	14.83	14.83	0.00
00854A	16.70	16.70	0.00	16.66	16.66	0.00
00854Y	15.98	15.98	0.00	15.76	15.76	0.00
00861	14.71	14.71	0.00	14.18	14.18	0.00
00862	14.93	14.93	0.00	14.59	14.59	0.00
00864	15.32	15.32	0.00	15.27	15.27	0.00
00865	15.32	15.32	0.00	15.27	15.27	0.00
00866B	15.39	15.39	0.00	15.35	15.35	0.00
00866Y	15.35	15.35	0.00	15.30	15.30	0.00
00867A	16.59	16.59	0.00	16.54	16.54	0.00
00867Y	16.16	16.16	0.00	16.13	16.13	0.00
00868	16.69	16.69	0.00	16.60	16.60	0.00
00869F	17.34	17.34	0.00	17.24	17.24	0.00
00870A	15.35	15.35	0.00	15.29	15.29	0.00
00870Y	15.33	15.33	0.00	15.28	15.28	0.00
00871A	15.54	15.54	0.00	15.49	15.49	0.00
00871B	15.38	15.38	0.00	15.33	15.33	0.00
00871F	15.46	15.46	0.00	15.39	15.39	0.00
00871G	15.35	15.35	0.00	15.30	15.30	0.00
00871H	15.33	15.33	0.00	15.28	15.28	0.00
00871Y	15.44	15.44	0.00	15.38	15.38	0.00
00872A	15.29	15.29	0.00	15.22	15.22	0.00
00872F	15.30	15.30	0.00	15.23	15.23	0.00
00880	15.97	15.97	0.00	15.76	15.76	0.00
00880F	16.04	16.04	0.00	15.88	15.88	0.00
00881	15.98	15.98	0.00	15.77	15.77	0.00
00883	15.85	15.85	0.00	15.72	15.72	0.00
00884A	15.84	15.84	0.00	15.72	15.72	0.00
00884B	15.26	15.26	0.00	15.14	15.14	0.00
00900	6.40	6.40	0.00	5.97	5.97	0.00
00900A	11.50	11.50	0.00	11.41	11.41	0.00
00910	11.49	11.49	0.00	11.34	11.34	0.00
00920	11.81	11.81	0.00	11.59	11.59	0.00
01000	8.97	8.95	-0.02	8.54	8.52	-0.02
01005	9.01	8.98	-0.02	8.59	8.55	-0.04
01020	9.59	9.53	-0.06	9.43	9.04	-0.39
01020R	10.28	10.28	0.00	10.21	10.21	0.00
01100	8.97	8.94	-0.02	8.53	8.51	-0.03
01100F	8.97	8.94	-0.02	8.53	8.51	-0.02
01100G	8.96	8.94	-0.02	8.52	8.50	-0.02
01100H	8.71	8.70	-0.01	8.46	8.44	-0.02

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01100I	8.29	8.28	0.00	8.24	8.24	0.00
01100J	8.96	8.94	-0.02	8.54	8.51	-0.03
01100X	8.97	8.94	-0.02	8.53	8.51	-0.02
01200	4.09	4.09	0.00	4.08	4.08	0.00
01201	4.11	4.12	0.00	4.09	4.09	0.00
01201F	4.15	4.15	0.00	4.12	4.12	0.00
01202	4.09	4.09	0.00	4.08	4.08	0.00
01203	4.36	4.34	-0.01	4.13	4.14	0.00
01220F	5.72	5.72	0.00	5.66	5.66	0.00
01220G	5.55	5.55	0.00	5.53	5.53	0.00
01221	4.35	4.34	-0.01	4.13	4.14	0.00
01222	5.72	5.64	-0.08	4.63	4.56	-0.07
01223	5.72	5.64	-0.07	4.64	4.57	-0.07
01224	5.72	5.65	-0.07	4.64	4.57	-0.07
01225	5.84	5.76	-0.07	4.81	4.79	-0.03
01226	6.67	6.59	-0.08	5.48	5.46	-0.03
01227	7.23	7.15	-0.08	5.92	5.90	-0.02
01228	7.78	7.70	-0.08	6.33	6.28	-0.05
01229	8.86	8.66	-0.20	7.12	6.95	-0.17
01230	8.21	8.18	-0.03	7.19	6.99	-0.20
01231	8.57	8.50	-0.07	7.19	7.06	-0.13
01232	8.20	8.17	-0.03	7.31	7.23	-0.09
01233	8.23	8.20	-0.03	7.31	7.23	-0.08
01234	8.23	8.20	-0.03	7.31	7.23	-0.09
01300	4.09	4.09	0.00	4.09	4.09	0.00
01400	5.26	5.23	-0.03	5.10	5.08	-0.02
01401	6.46	6.39	-0.07	6.21	6.14	-0.07
01402	6.52	6.44	-0.08	6.25	6.18	-0.07
01403	7.28	7.05	-0.23	6.72	6.60	-0.12
01410	8.59	8.38	-0.21	7.78	7.56	-0.22
01411	8.89	8.78	-0.11	8.01	7.80	-0.21
01412	9.05	8.96	-0.08	8.61	8.49	-0.12
01413	9.05	8.97	-0.08	8.62	8.50	-0.12
01414	9.75	8.24	-1.51	9.70	6.83	-2.87
01415	9.05	8.97	-0.08	8.62	8.50	-0.12
01416	9.05	8.97	-0.08	8.62	8.50	-0.11
01417	9.06	8.98	-0.08	8.62	8.51	-0.12
01420	9.03	8.95	-0.08	8.51	8.23	-0.28
01421	8.90	8.80	-0.10	8.68	8.42	-0.26
01422	8.87	8.78	-0.09	8.69	8.49	-0.20
01430	9.08	9.00	-0.07	8.67	8.58	-0.08

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01431	9.08	9.00	-0.07	8.67	8.60	-0.07
01432	9.08	9.00	-0.08	8.68	8.63	-0.05
01433	9.08	9.01	-0.08	8.67	8.64	-0.04
01440	9.10	9.03	-0.07	8.71	8.68	-0.03
01441	9.09	9.02	-0.07	8.70	8.67	-0.03
01442	9.20	9.15	-0.05	9.00	8.99	-0.02
01450	9.21	9.18	-0.03	9.05	9.03	-0.01
01451	9.12	9.06	-0.07	8.83	8.82	-0.01
01452	10.55	10.54	-0.01	10.42	10.40	-0.02
01453	10.73	10.71	-0.01	10.58	10.56	-0.02
01454	12.59	12.57	-0.02	12.45	12.42	-0.03
01460	12.07	12.07	0.00	11.98	11.98	0.00
01461	12.43	12.43	0.00	12.40	12.39	0.00
01462	12.75	12.75	0.00	12.72	12.72	0.00
01463	13.18	13.18	0.00	13.12	13.11	-0.01
01463F	13.58	13.59	0.01	13.55	13.56	0.02
01463G	13.58	13.58	0.01	13.54	13.56	0.02
01464	13.42	13.39	-0.03	13.31	13.26	-0.06
01465	13.85	13.86	0.02	13.79	13.81	0.02
01466	12.72	12.72	0.00	12.69	12.69	0.00
01500	5.26	5.14	-0.12	5.14	5.03	-0.11
01501	5.27	5.15	-0.12	5.14	5.04	-0.11
01502	5.29	5.16	-0.13	5.15	5.04	-0.11
01503	5.63	5.56	-0.08	5.42	5.35	-0.08
01504	5.26	5.15	-0.12	5.14	5.03	-0.11
01510	6.20	6.11	-0.09	6.15	5.85	-0.29
01520	7.67	7.20	-0.46	7.58	6.62	-0.96
01530	8.28	7.66	-0.61	7.93	6.92	-1.01
01531	7.08	7.01	-0.06	6.95	6.91	-0.03
01532	6.95	6.94	-0.01	6.90	6.88	-0.02
01540	8.86	8.77	-0.09	8.68	8.48	-0.20
01541	8.87	8.77	-0.09	8.68	8.48	-0.20
01550	8.87	8.78	-0.09	8.69	8.49	-0.20
01551	8.87	8.77	-0.09	8.69	8.48	-0.20
01552	8.87	8.78	-0.09	8.69	8.49	-0.20
01552F	11.21	11.21	0.00	11.17	11.17	0.00
01553	9.36	9.36	0.00	9.29	9.29	0.00
01600	6.23	6.23	0.00	6.18	6.18	0.00
01601	5.56	5.56	0.00	4.89	4.89	0.00
01700	6.39	5.85	-0.53	5.81	5.51	-0.29
01701	6.22	5.78	-0.43	5.73	5.49	-0.24

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01710	8.78	8.68	-0.10	8.62	7.95	-0.67
01711	8.77	8.58	-0.18	8.62	7.91	-0.70
01712	7.69	7.79	0.09	7.59	7.66	0.08
01713	10.07	8.15	-1.92	10.03	7.83	-2.20
01720	9.69	9.67	-0.01	9.55	9.42	-0.13
01730	11.01	11.01	0.00	10.94	10.93	-0.01
01740	13.14	13.14	0.00	13.08	13.08	0.00
01741	14.12	14.12	0.00	14.08	14.08	0.00
01742	14.29	14.29	0.00	14.16	14.16	0.00
01750	13.69	13.70	0.00	13.63	13.64	0.00
01751	13.75	13.76	0.00	13.69	13.70	0.01
01752	13.77	13.83	0.05	13.69	13.77	0.08
01760	13.91	13.91	0.00	13.82	13.82	0.00
01761	14.10	14.10	0.00	14.04	14.04	0.00
01762	13.81	13.81	0.00	13.77	13.77	0.00
01770	13.96	13.95	-0.01	13.84	13.84	-0.01
01800	8.36	7.38	-0.98	6.95	5.35	-1.60
01810	10.37	10.33	-0.05	7.69	7.27	-0.43
01820	10.43	10.39	-0.04	9.10	7.60	-1.50
01824F	15.01	15.01	0.00	14.92	14.92	0.00
01824G	15.17	15.17	0.00	15.07	15.07	0.00
01830	10.91	10.86	-0.05	9.80	8.37	-1.43
01831A	14.71	14.71	0.00	14.47	14.47	0.00
01834F	15.63	15.63	0.00	15.50	15.50	0.00
01837F	14.74	14.74	0.00	14.48	14.48	0.00
01840	11.85	11.78	-0.07	11.22	9.89	-1.34
01848	14.88	14.88	0.00	14.81	14.81	0.00
01850	12.09	12.07	-0.02	11.67	11.61	-0.05
01853D	16.11	16.11	0.00	16.09	16.09	0.00
01853F	17.06	17.06	0.00	17.03	17.03	0.00
01855A	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.21	16.21	0.00	16.20	16.20	0.00
01860	12.12	12.10	-0.02	11.75	11.72	-0.03
01870	12.13	12.11	-0.02	11.76	11.73	-0.03
01880	12.22	12.21	-0.02	11.96	11.95	-0.01
01900	5.48	5.47	-0.01	5.26	5.25	0.00
01901	6.79	6.77	-0.02	6.35	6.35	0.00
01902	7.63	7.57	-0.05	7.09	7.08	0.00
01911	7.63	7.58	-0.05	7.09	7.08	-0.01
01920	8.74	8.55	-0.18	8.01	8.01	-0.01
01921	10.00	9.59	-0.40	9.03	9.02	-0.01

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
01930	11.21	11.02	-0.19	10.52	10.51	-0.01
01940	12.14	12.12	-0.02	11.76	11.74	-0.02
01950	12.14	12.12	-0.02	11.76	11.74	-0.02
01953	12.15	12.13	-0.02	11.78	11.76	-0.02
01954	12.22	12.20	-0.02	11.96	11.95	0.00
02000	8.89	8.89	0.00	8.73	8.73	0.00
02001	7.47	7.47	0.00	7.35	7.35	0.00
02100	9.38	9.32	-0.06	5.67	5.67	0.00
02110	10.06	10.00	-0.06	6.85	6.85	0.00
02130	10.77	10.75	-0.02	7.78	7.78	0.00
02150	10.34	10.28	-0.06	7.05	7.05	0.00
02160	10.83	10.81	-0.02	7.84	7.84	0.00
02170	10.82	10.81	-0.01	7.84	7.84	0.00
02200	12.78	12.78	0.00	12.70	12.70	0.00
02200A	9.73	9.73	0.00	9.50	9.50	0.00
02200x	12.37	12.36	-0.01	12.21	12.21	0.00
02200x1	9.77	9.76	-0.01	9.35	9.35	0.00
02200Y	11.84	11.84	0.00	11.78	11.78	0.00
02200Z	7.17	7.17	0.00	6.79	6.79	0.00
02202A	14.52	14.52	0.00	14.47	14.47	0.00
02202Y	12.02	12.02	0.00	11.49	11.49	0.00
02202YA	12.90	12.90	0.00	12.52	12.52	0.00
02202YB	10.97	10.97	0.00	10.32	10.32	0.00
02203	11.75	11.75	0.00	11.00	11.00	0.00
02220	10.20	10.20	0.00	9.86	9.86	0.00
02221A	12.97	12.97	0.00	12.95	12.95	0.00
02222	11.75	11.75	0.00	11.69	11.69	0.00
02223	14.18	14.18	0.00	13.31	13.31	0.00
02230	14.91	14.91	0.00	14.08	14.08	0.00
02240	15.22	15.22	0.00	13.88	13.88	0.00
02250	12.21	12.19	-0.01	11.69	11.68	-0.01
02250B	12.80	12.80	0.00	12.69	12.69	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.47	12.47	0.00	12.34	12.34	0.00
02253	12.39	12.38	0.00	12.27	12.26	0.00
02254A	12.53	12.53	0.00	12.42	12.42	0.00
02254Y	12.16	12.15	-0.01	12.07	12.07	0.00
02260	12.25	12.23	-0.01	11.85	11.84	-0.01
02261	12.23	12.21	-0.01	11.84	11.83	-0.01
02270	12.42	12.42	-0.01	12.26	12.26	0.00
02271	12.48	12.48	0.00	12.39	12.38	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02271F	13.28	13.28	0.00	13.13	13.12	-0.01
02272	12.69	12.69	0.00	12.52	12.51	0.00
02273	13.62	13.62	0.00	13.07	13.06	-0.01
02274	14.50	14.50	0.00	13.61	13.60	-0.01
02280	13.15	13.14	-0.01	13.03	13.03	-0.01
02281A	13.79	13.79	0.00	13.75	13.75	0.00
02281Y	13.44	13.43	-0.01	13.33	13.32	-0.01
02282A	14.28	14.27	-0.01	14.06	14.04	-0.02
02282B	14.36	14.34	-0.02	14.18	14.14	-0.04
02282Y	14.03	14.02	-0.01	13.90	13.88	-0.02
02283	15.06	15.04	-0.03	14.96	14.89	-0.07
02284	14.70	14.70	0.00	14.60	14.60	0.00
02285A	14.92	14.92	0.00	14.89	14.89	0.00
02290	4.08	4.08	0.00	4.08	4.08	0.00
02292	11.35	11.35	0.00	10.69	10.69	0.00
02292A	11.23	11.23	0.00	10.62	10.62	0.00
02294	13.40	13.40	0.00	13.35	13.35	0.00
02294x	11.51	11.51	0.00	10.72	10.72	0.00
02297	13.26	13.26	0.00	13.17	13.17	0.00
02298	12.23	12.22	-0.01	12.12	12.12	0.00
02298n1	12.77	12.77	0.00	12.68	12.68	0.00
02300	8.05	8.05	0.00	7.94	7.94	0.00
02301	9.63	9.63	0.00	9.27	9.27	0.00
02302	10.90	10.90	0.00	10.32	10.32	0.00
02304	11.69	11.69	0.00	11.44	11.44	0.00
02305	11.65	11.65	0.00	11.44	11.44	0.00
02306	11.43	11.43	0.00	10.43	10.43	0.00
02307	11.46	11.46	0.00	10.50	10.50	0.00
02308	11.68	11.68	0.00	11.45	11.45	0.00
02309	11.70	11.70	0.00	11.48	11.48	0.00
02310	11.69	11.69	0.00	11.47	11.47	0.00
02311	11.98	11.98	0.00	11.86	11.86	0.00
02312	11.69	11.69	0.00	11.46	11.46	0.00
02313	11.71	11.71	0.00	11.47	11.47	0.00
02314	12.24	12.24	0.00	12.22	12.22	0.00
02400	12.32	12.32	0.00	10.87	10.87	0.00
02410	13.90	13.90	0.00	12.46	12.46	0.00
02410F	14.75	14.75	0.00	14.75	14.75	0.00
02411	14.29	14.29	0.00	13.06	13.06	0.00
02412	14.35	14.35	0.00	13.64	13.64	0.00
02420	14.65	14.65	0.00	13.72	13.72	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02425	14.87	14.87	0.00	13.84	13.84	0.00
02430	12.89	12.89	0.00	12.33	12.33	0.00
02431	12.89	12.89	0.00	12.33	12.33	0.00
02440	14.51	14.51	0.00	14.11	14.11	0.00
02441	14.54	14.54	0.00	14.16	14.16	0.00
02442	15.24	15.24	0.00	14.86	14.86	0.00
02500	7.86	7.86	0.00	7.73	7.73	0.00
02500F	10.82	10.82	0.00	10.55	10.55	0.00
02500W	9.80	9.80	0.00	9.74	9.74	0.00
02510	11.48	11.48	0.00	11.35	11.35	0.00
02511	14.56	14.56	0.00	13.96	13.96	0.00
02512	15.25	15.25	0.00	14.43	14.43	0.00
02513	15.25	15.25	0.00	14.64	14.64	0.00
02513B	15.25	15.25	0.00	14.45	14.45	0.00
02514	16.15	16.15	0.00	15.90	15.90	0.00
02520A	16.15	16.15	0.00	15.90	15.90	0.00
02520Y	16.15	16.15	0.00	15.90	15.90	0.00
02521A	16.16	16.16	0.00	15.91	15.91	0.00
02522	16.15	16.15	0.00	15.90	15.90	0.00
02600	14.74	14.74	0.00	14.39	14.39	0.00
02610	15.23	15.23	0.00	15.01	15.01	0.00
02620	12.85	12.85	0.00	12.75	12.75	0.00
02701A	13.96	13.96	0.00	13.10	13.10	0.00
02701Y	8.20	8.20	0.00	7.25	7.25	0.00
02702	9.59	9.58	0.00	8.17	8.17	0.00
02703	12.84	12.84	0.00	12.75	12.75	0.00
02703F	9.87	9.87	0.00	9.05	9.05	0.00
02712	9.88	9.88	0.00	9.64	9.64	0.00
02713	15.17	15.17	0.00	15.11	15.11	0.00
02713F	15.14	15.14	0.00	14.94	14.94	0.00
02713G	15.31	15.31	0.00	15.12	15.12	0.00
02716	13.47	13.47	0.00	13.26	13.26	0.00
02717	14.34	14.34	0.00	13.97	13.97	0.00
02718	14.82	14.82	0.00	14.36	14.36	0.00
02718X	14.34	14.34	0.00	13.97	13.97	0.00
02719A	15.92	15.92	0.00	15.85	15.85	0.00
02719Y	15.84	15.84	0.00	15.78	15.78	0.00
02720A	15.31	15.31	0.00	15.02	15.02	0.00
02721	15.79	15.79	0.00	15.71	15.71	0.00
02722B	15.95	15.95	0.00	15.46	15.46	0.00
02722Y	15.31	15.31	0.00	15.03	15.03	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02723	15.96	15.96	0.00	15.49	15.49	0.00
02724	16.01	16.01	0.00	15.93	15.93	0.00
02724F	16.00	16.00	0.00	15.79	15.79	0.00
02725	15.96	15.96	0.00	15.61	15.61	0.00
02726	15.97	15.97	0.00	15.62	15.62	0.00
02727	15.97	15.97	0.00	15.65	15.65	0.00
02728A	15.99	15.99	0.00	15.82	15.82	0.00
02728Y	16.09	16.09	0.00	16.02	16.02	0.00
02729	15.97	15.97	0.00	15.76	15.76	0.00
02730	15.29	15.29	0.00	14.81	14.81	0.00
02732	15.62	15.62	0.00	15.02	15.02	0.00
02740A	16.00	16.00	0.00	15.30	15.30	0.00
02740Y	15.84	15.84	0.00	15.28	15.28	0.00
02741A	16.14	16.14	0.00	15.90	15.90	0.00
02741C	16.15	16.15	0.00	15.90	15.90	0.00
02741Y	16.15	16.15	0.00	15.90	15.90	0.00
02742	16.01	16.01	0.00	15.63	15.63	0.00
02742A	17.02	17.02	0.00	16.91	16.91	0.00
02742B	17.02	17.02	0.00	16.91	16.91	0.00
02742C	17.03	17.03	0.00	16.91	16.91	0.00
02743	15.94	15.94	0.00	15.43	15.43	0.00
02750	16.00	16.00	0.00	15.62	15.62	0.00
02752A	16.16	16.16	0.00	15.90	15.90	0.00
02754	16.13	16.13	0.00	15.80	15.80	0.00
02755	16.16	16.16	0.00	15.90	15.90	0.00
02755A	16.63	16.63	0.00	16.61	16.61	0.00
02760	16.18	16.18	0.00	15.92	15.92	0.00
02761A	16.17	16.17	0.00	15.92	15.92	0.00
02761Y	16.18	16.18	0.00	16.00	16.00	0.00
02772	16.44	16.44	0.00	16.12	16.12	0.00
02781	16.53	16.53	0.00	16.25	16.25	0.00
02781F	16.18	16.18	0.00	16.03	16.03	0.00
02782	16.68	16.68	0.00	16.40	16.40	0.00
02782F	17.39	17.39	0.00	17.36	17.36	0.00
02790	16.68	16.68	0.00	16.37	16.37	0.00
02792	16.69	16.69	0.00	16.37	16.37	0.00
02793	15.66	15.64	-0.01	15.24	15.21	-0.03
02800	11.18	11.18	0.00	10.22	10.22	0.00
02805	11.29	11.29	0.00	11.21	11.21	0.00
02806	13.97	13.97	0.00	13.10	13.10	0.00
02810	14.12	14.12	0.00	13.58	13.58	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
02830	12.63	12.62	0.00	12.50	12.50	0.00
02850	8.02	8.02	0.00	7.81	7.81	0.00
02860A	13.96	13.96	0.00	13.43	13.43	0.00
02860Y	13.70	13.70	0.00	13.06	13.06	0.00
02900	4.09	4.09	0.00	4.09	4.09	0.00
02900F	5.05	5.05	0.00	5.02	5.02	0.00
02901F	4.09	4.09	0.00	4.08	4.08	0.00
02910	4.17	4.17	0.00	4.14	4.14	0.00
02910A	4.17	4.17	0.00	4.14	4.14	0.00
02911	7.87	7.87	0.00	7.71	7.71	0.00
02920	6.25	6.25	0.00	5.70	5.70	0.00
02930A	9.77	9.77	0.00	9.43	9.43	0.00
02930Y	7.52	7.52	0.00	6.88	6.88	0.00
02931	7.96	7.96	0.00	7.85	7.85	0.00
02935	8.59	8.59	0.00	8.53	8.53	0.00
02940	8.02	8.02	0.00	7.14	7.14	0.00
02950A	12.59	12.59	0.00	12.35	12.35	0.00
02950B	14.95	14.95	0.00	14.90	14.90	0.00
02950Y	13.57	13.57	0.00	13.38	13.38	0.00
02960	4.10	4.10	0.00	4.09	4.09	0.00
02970	6.46	6.46	0.00	6.32	6.32	0.00
02980	8.47	8.47	0.00	8.43	8.43	0.00
03000	4.08	4.08	0.00	4.08	4.08	0.00
03000F	4.08	4.08	0.00	4.08	4.08	0.00
08681A	17.12	17.12	0.00	16.95	16.95	0.00
08681B	17.01	17.01	0.00	16.91	16.91	0.00
08681Y	16.97	16.97	0.00	16.89	16.89	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	4.08	4.08	0.00	4.08	4.08	0.00
GULF10	4.08	4.08	0.00	4.08	4.08	0.00
GULF11	4.08	4.08	0.00	4.08	4.08	0.00
GULF2	4.08	4.08	0.00	4.08	4.08	0.00
GULF3	4.08	4.08	0.00	4.08	4.08	0.00
GULF4	4.08	4.08	0.00	4.08	4.08	0.00
GULF5	4.08	4.08	0.00	4.08	4.08	0.00
GULF6	4.08	4.08	0.00	4.08	4.08	0.00
GULF7	4.08	4.08	0.00	4.08	4.08	0.00
GULF8	4.08	4.08	0.00	4.08	4.08	0.00
GULF9	4.08	4.08	0.00	4.08	4.08	0.00
I02954	14.82	14.82	0.00	14.77	14.77	0.00
ICW	4.08	4.08	0.00	4.08	4.08	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
N00205	11.04	11.02	-0.02	10.78	10.76	-0.02
N00211	10.44	10.43	-0.01	10.24	10.23	-0.01
N00230	13.44	13.44	0.00	13.36	13.34	-0.02
N00235	12.97	12.94	-0.04	12.70	12.66	-0.04
N00237	13.14	13.10	-0.04	12.86	12.82	-0.04
N00255	13.99	13.99	0.00	13.96	13.96	0.00
N00515	6.09	6.09	0.00	6.04	6.04	0.00
N00518	6.15	6.14	-0.02	6.00	5.98	-0.02
N00828	14.78	14.78	0.00	14.73	14.73	0.00
N00829	14.57	14.57	0.00	14.52	14.52	0.00
N00837	13.26	13.26	0.00	12.88	12.88	0.00
N00850	13.62	13.62	0.00	13.52	13.52	0.00
N00851	12.93	12.93	0.00	12.78	12.78	0.00
N00853	15.61	15.61	0.00	15.50	15.50	0.00
N00853A	16.69	16.69	0.00	16.56	16.56	0.00
N00853B	16.68	16.68	0.00	16.55	16.55	0.00
N00853C	16.83	16.83	0.00	16.81	16.81	0.00
N00853D	16.73	16.73	0.00	16.71	16.71	0.00
N00853E	16.42	16.42	0.00	16.41	16.41	0.00
N00856	15.80	15.80	0.00	15.60	15.60	0.00
N00857	14.94	14.94	0.00	14.83	14.83	0.00
N00860	15.06	15.06	0.00	15.02	15.02	0.00
N00863	14.96	14.96	0.00	14.85	14.85	0.00
N00865	15.19	15.19	0.00	15.11	15.11	0.00
N00903	10.99	10.99	0.00	10.89	10.89	0.00
N00905	12.85	12.85	0.00	12.82	12.82	0.00
N00910	11.10	11.10	0.00	11.08	11.08	0.00
N00914	10.24	10.24	0.00	10.15	10.15	0.00
N00930	12.01	12.01	0.00	11.75	11.75	0.00
N00940	11.83	11.83	0.00	11.61	11.61	0.00
N01015	11.31	11.31	0.00	11.24	11.24	0.00
N01020	11.44	11.44	0.00	11.40	11.40	0.00
N01022	11.42	11.42	0.00	11.38	11.38	0.00
N01401	6.65	6.64	0.00	6.59	6.57	-0.01
N01463	13.53	13.53	0.00	13.51	13.51	0.01
N01468	13.95	13.88	-0.06	13.84	13.80	-0.04
N01824	14.92	14.92	0.00	14.78	14.78	0.00
N01826	13.99	13.99	0.00	13.77	13.77	0.00
N01830	14.27	14.27	0.00	14.03	14.03	0.00
N01832	15.26	15.26	0.00	14.83	14.83	0.00
N01833	15.56	15.56	0.00	15.35	15.35	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
N01834	15.62	15.62	0.00	15.61	15.61	0.00
N01835	14.71	14.71	0.00	14.47	14.47	0.00
N01836	14.71	14.71	0.00	14.47	14.47	0.00
N01837	14.93	14.93	0.00	14.61	14.61	0.00
N01838	14.72	14.72	0.00	14.48	14.48	0.00
N01839	14.72	14.72	0.00	14.47	14.47	0.00
N01841	14.23	14.23	0.00	14.01	14.01	0.00
N01843	15.34	15.34	0.00	15.31	15.31	0.00
N01844	14.79	14.79	0.00	14.73	14.73	0.00
N01845	13.99	13.99	0.00	13.78	13.78	0.00
N01846	14.71	14.71	0.00	14.47	14.47	0.00
N01846A	14.71	14.71	0.00	14.47	14.47	0.00
N01847	14.71	14.71	0.00	14.47	14.47	0.00
N01847_A	14.69	14.69	0.00	14.45	14.45	0.00
N01847A	14.71	14.71	0.00	14.47	14.47	0.00
N01848	14.72	14.72	0.00	14.47	14.47	0.00
N01848A	14.72	14.72	0.00	14.49	14.49	0.00
N01848B	14.62	14.62	0.00	14.44	14.44	0.00
N0184B	14.71	14.71	0.00	14.47	14.47	0.00
N01851	14.72	14.72	0.00	14.61	14.61	0.00
N01852	13.36	13.36	0.00	13.23	13.23	0.00
N01856	14.78	14.78	0.00	14.73	14.73	0.00
N01861	15.32	15.32	0.00	15.27	15.27	0.00
N01862	15.06	15.06	0.00	14.38	14.38	0.00
N01863	15.28	15.28	0.00	15.24	15.24	0.00
N01864	15.03	15.03	0.00	14.97	14.97	0.00
N01873	16.86	16.86	0.00	16.79	16.79	0.00
N02210	14.67	14.67	0.00	14.62	14.62	0.00
N02286	15.24	15.24	-0.01	15.13	15.08	-0.06
N02289	15.63	15.63	0.00	15.62	15.62	0.00
N02320	13.74	13.74	0.00	13.22	13.22	0.00
N02528	15.99	15.99	0.00	15.78	15.78	0.00
N02715	15.41	15.41	0.00	15.13	15.13	0.00
N02735	16.70	16.70	0.00	16.61	16.61	0.00
N02781	16.64	16.64	0.00	16.54	16.54	0.00
N02784	17.08	17.08	0.00	17.04	17.04	0.00
N02814	15.37	15.37	0.00	15.08	15.08	0.00
N02830	15.20	15.20	0.00	15.08	15.08	0.00
N02850	11.91	11.91	0.00	10.07	10.07	0.00
N02852	13.97	13.97	0.00	13.92	13.92	0.00
N02905	4.11	4.11	0.00	4.10	4.10	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Refined Alternatives with 2080 Sea Level Rise

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM SLR	PCM SLR	PCM SLR Δ Stage	ECM SLR	PCM SLR	PCM SLR Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	4.08	4.08	0.00	4.08	4.08	0.00

E-1 100-YR 72-HR Floodplain Map

E-2 100-YR 24-HR Floodplain Map

E-3 25-YR 72-HR Floodplain Map

E-4 25-YR 24-HR Floodplain Map

E-5 10-YR 24-HR Floodplain Map

E-6 5-YR 24-HR Floodplain Map

E-7 2-YR 24-HR Floodplain Map

- Node Maximum Stage Tables

Appendix E – Long-Range Resilient Alternatives Under Existing Conditions

Legend

PCM 100-Year 72-Hour Floodplain

ECM 100-Year 72-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES IN EXISTING CONDITIONS

100-YEAR 72-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

E-1

Legend

PCM 100-Year 24-Hour Floodplain

ECM 100-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES IN EXISTING CONDITIONS

100-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

E-2

Legend

PCM 25-Year 72-Hour Floodplain

ECM 25-Year 72-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES IN EXISTING CONDITIONS

25-YEAR 72-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

E-3

Legend

PCM 25-Year 24-Hour Floodplain

ECM 25-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES IN EXISTING CONDITIONS

25-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

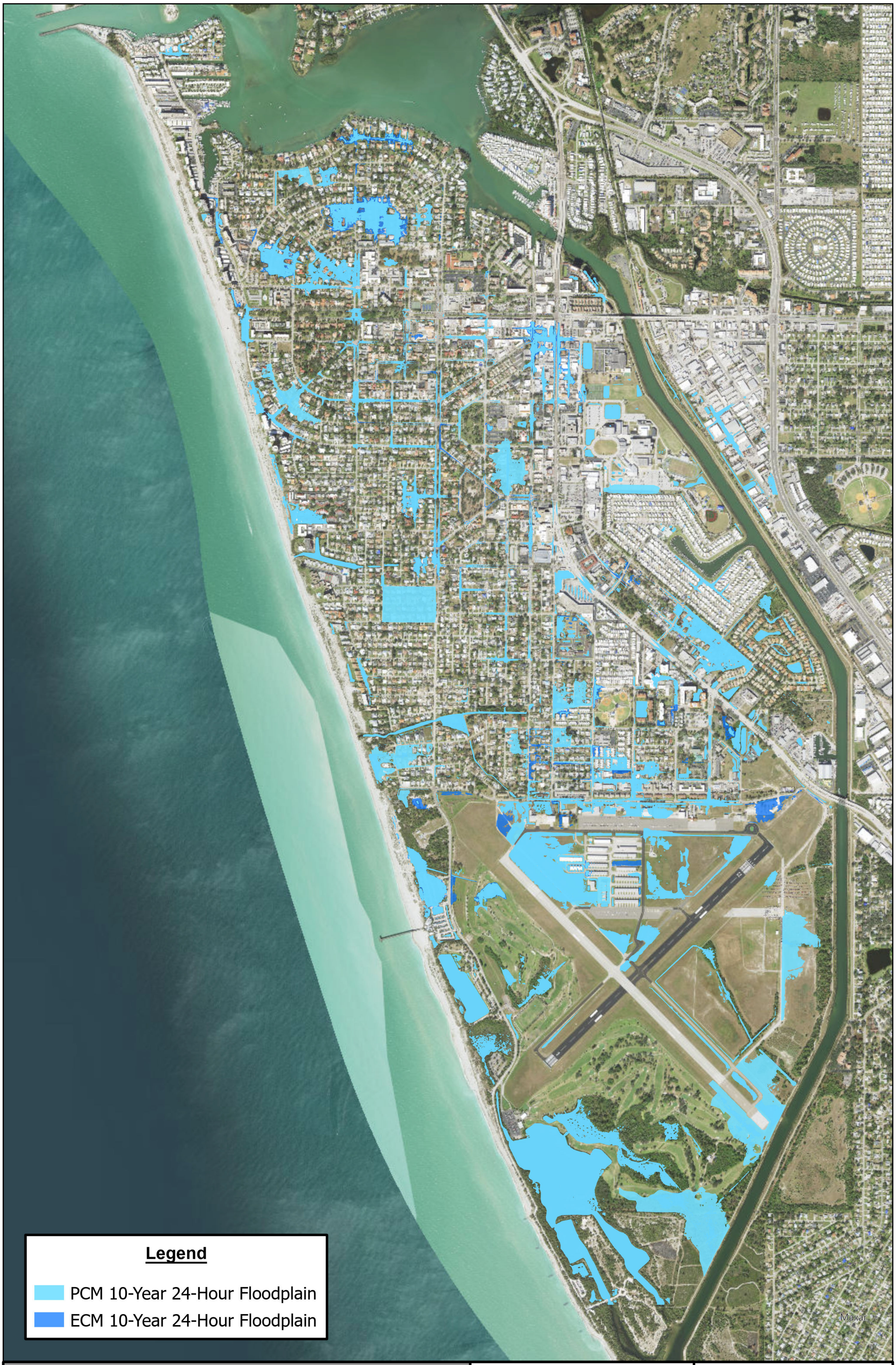
0 500 1,000

Feet

N

Kimley»Horn

E-4



RESILIENT ALTERNATIVES IN EXISTING CONDITIONS

10-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

E-5

Legend

PCM 5-Year 24-Hour Floodplain

ECM 5-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES IN EXISTING CONDITIONS

5-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

E-6

Legend

PCM 2-Year 24-Hour Floodplain

ECM 2-Year 24-Hour Floodplain

Maxar

RESILIENT ALTERNATIVES IN EXISTING CONDITIONS

2-YEAR 24-HOUR FLOODPLAIN MAP

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

DECEMBER 2024

0 500 1,000 Feet

N

Kimley»Horn

E-7

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.424	8.409	-0.01	8.02	8.00	-0.02	7.32	7.26	-0.06	6.41	6.36	-0.04	5.51	5.49	-0.02
00100A	9.785	9.776	-0.01	9.57	9.56	-0.01	9.36	9.33	-0.03	8.89	8.82	-0.07	7.70	7.66	-0.03
00100B	9.827	9.817	-0.01	9.60	9.59	-0.01	9.38	9.35	-0.03	8.92	8.86	-0.06	7.90	7.84	-0.06
00100C	9.877	9.866	-0.01	9.63	9.62	-0.01	9.40	9.36	-0.03	8.93	8.87	-0.06	7.99	7.91	-0.08
00200	9.908	9.897	-0.01	9.65	9.64	-0.01	9.41	9.37	-0.03	8.94	8.89	-0.06	8.08	7.97	-0.11
00200A	6.285	6.279	-0.01	6.19	6.18	-0.01	6.10	6.09	-0.01	5.96	5.96	-0.01	5.80	5.79	-0.01
00204	10.407	10.392	-0.02	10.09	10.07	-0.02	9.84	9.82	-0.02	9.64	9.62	-0.02	9.32	9.29	-0.03
00210	10.674	10.661	-0.01	10.40	10.39	-0.01	10.19	10.18	-0.02	10.02	10.00	-0.02	9.74	9.71	-0.03
00212	11.81	11.794	-0.02	11.55	11.53	-0.02	11.35	11.33	-0.02	11.19	11.17	-0.03	10.96	10.93	-0.03
00215	12.224	12.221	0.00	12.10	12.10	0.00	12.02	12.01	0.00	11.95	11.95	0.00	11.81	11.80	-0.01
00216	12.037	12.017	-0.02	11.75	11.72	-0.03	11.53	11.51	-0.03	11.37	11.34	-0.03	11.13	11.10	-0.03
00217	12.218	12.195	-0.02	11.92	11.89	-0.03	11.71	11.68	-0.03	11.54	11.51	-0.03	11.33	11.30	-0.03
00220	12.438	12.412	-0.03	12.14	12.11	-0.03	11.92	11.89	-0.03	11.76	11.73	-0.03	11.56	11.53	-0.03
00221	12.702	12.676	-0.03	12.42	12.39	-0.03	12.21	12.18	-0.03	12.05	12.02	-0.03	11.86	11.82	-0.03
00231	13.434	13.384	-0.05	13.32	13.24	-0.08	13.25	13.15	-0.10	13.19	13.06	-0.13	13.09	12.89	-0.21
00232	13.728	13.656	-0.07	13.63	13.52	-0.11	13.56	13.42	-0.14	13.51	13.33	-0.18	13.43	13.15	-0.28
00233	13.193	13.166	-0.03	12.93	12.90	-0.03	12.75	12.72	-0.03	12.63	12.62	-0.01	12.53	12.51	-0.02
00234	12.898	12.893	0.00	12.78	12.77	0.00	12.70	12.69	-0.01	12.63	12.62	-0.01	12.55	12.55	0.00
00236	13.683	13.677	-0.01	13.59	13.58	0.00	13.53	13.53	0.00	13.48	13.48	0.00	13.42	13.42	0.00
00240	13.618	13.594	-0.02	13.38	13.34	-0.03	13.18	13.15	-0.03	13.03	12.99	-0.03	12.81	12.77	-0.04
00241	13.971	13.967	0.00	13.90	13.90	0.00	13.84	13.84	0.00	13.76	13.75	0.00	13.54	13.53	-0.01
00242	13.786	13.763	-0.02	13.56	13.52	-0.04	13.36	13.33	-0.03	13.22	13.18	-0.03	12.99	12.95	-0.05
00250	14.061	14.039	-0.02	13.88	13.84	-0.04	13.70	13.66	-0.03	13.57	13.53	-0.04	13.33	13.26	-0.07
00251	13.774	13.76	-0.01	13.68	13.68	0.00	13.63	13.63	-0.01	13.59	13.58	-0.01	13.54	13.53	-0.01
00252	14.746	14.746	0.00	14.65	14.65	0.00	14.59	14.59	0.00	14.54	14.54	0.00	14.50	14.50	0.00
00300	8.77	8.77	0.00	8.72	8.72	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.64	8.64	0.00
00301	9.896	9.896	0.00	9.72	9.72	0.00	9.60	9.60	0.00	9.52	9.52	0.00	9.43	9.43	0.00
00400	8.782	8.782	0.00	8.70	8.70	0.00	8.63	8.63	0.00	8.59	8.59	0.00	8.52	8.52	0.00
00401	8.772	8.772	0.00	8.69	8.69	0.00	8.63	8.63	0.00	8.58	8.58	0.00	8.52	8.52	0.00
00500	3.757	3.673	-0.08	2.92	2.85	-0.07	2.45	2.40	-0.05	2.19	2.16	-0.04	1.94	1.91	-0.03
00501	3.829	3.743	-0.09	2.98	2.91	-0.07	2.50	2.45	-0.05	2.24	2.20	-0.04	1.97	1.94	-0.03
00502	4.336	4.23	-0.11	3.43	3.34	-0.09	2.93	2.86	-0.07	2.64	2.58	-0.06	2.31	2.27	-0.04
00510	5.373	5.335	-0.04	5.04	4.97	-0.06	4.58	4.40	-0.18	4.04	3.86	-0.18	3.34	3.21	-0.12
00511	10.01	9.99	-0.02	9.70	9.67	-0.03	8.80	8.79	-0.01	8.37	8.37	0.00	7.90	7.90	0.00
00513	7.03	6.977	-0.05	6.62	6.52	-0.10	6.00	5.68	-0.32	5.05	4.74	-0.31	3.88	3.72	-0.15
00516	7.837	7.753	-0.08	7.23	7.10	-0.13	6.56	6.28	-0.28	5.72	5.41	-0.30	4.58	4.40	-0.19
00520	10.017	9.977	-0.04	9.78	9.72	-0.05	9.55	9.46	-0.09	9.28	9.09	-0.19	7.71	7.28	-0.43
00521	10.642	10.603	-0.04	10.43	10.39	-0.04	10.29	10.25	-0.04	10.19	10.13	-0.06	9.75	9.37	-0.38
00522	11.635	11.582	-0.05	11.32	11.25	-0.07	11.07	11.00	-0.07	10.91	10.83	-0.07	10.38	9.91	-0.47
00530	12.58	12.553	-0.03	12.38	12.34	-0.04	12.17	12.10	-0.07	11.93	11.84	-0.09	11.20	10.63	-0.56
00530x	12.171	12.141	-0.03	11.99	11.94	-0.04	11.82	11.76	-0.06	11.66	11.58	-0.08	11.05	10.48	-0.56
00531	12.81	12.759	-0.05	12.64	12.59	-0.05	12.53	12.48	-0.06	12.45	12.39	-0.06	12.32	12.23	-0.09
00532	13.589	13.555	-0.03	13.44	13.41	-0.03	13.35	13.31	-0.04	13.27	13.23	-0.04	13.17	13.12	-0.05
00533	13.596	13.564	-0.03	13.45	13.42	-0.03	13.36	13.32	-0.04	13.28	13.24	-0.04	13.17	13.13	-0.05

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00537	13.671	13.801	0.13	13.53	13.58	0.04	13.44	13.42	-0.03	13.37	13.31	-0.06	13.27	13.19	-0.08
00538	14.508	14.478	-0.03	14.45	14.40	-0.05	14.41	14.34	-0.07	14.38	14.29	-0.09	14.34	14.23	-0.11
00539	14.591	14.575	-0.02	14.54	14.50	-0.03	14.49	14.45	-0.04	14.46	14.40	-0.06	14.42	14.33	-0.09
00540	14.083	13.993	-0.09	14.01	13.88	-0.13	13.97	13.83	-0.13	13.93	13.79	-0.14	13.90	13.74	-0.15
00541A	14.192	14.093	-0.10	14.12	14.01	-0.11	14.08	13.96	-0.11	14.05	13.94	-0.11	13.99	13.90	-0.09
00541Y	14.449	14.368	-0.08	14.39	14.12	-0.28	14.35	13.81	-0.54	14.32	13.64	-0.68	14.25	13.34	-0.91
00542	14.772	14.738	-0.03	14.72	14.64	-0.09	14.69	14.31	-0.38	14.67	13.89	-0.78	14.63	13.51	-1.12
00543	14.941	14.925	-0.02	14.89	14.85	-0.04	14.85	14.79	-0.06	14.81	14.73	-0.08	14.77	14.66	-0.11
00544	15.636	15.636	0.00	15.61	15.61	0.00	15.58	15.58	0.00	15.56	15.56	0.00	15.54	15.53	0.00
00545	15.142	15.09	-0.05	15.06	14.94	-0.11	15.00	14.78	-0.22	14.95	14.57	-0.39	14.84	14.26	-0.57
00546	13.771	13.746	-0.03	13.63	13.61	-0.02	13.55	13.53	-0.02	13.49	13.47	-0.03	13.42	13.39	-0.03
00547	13.783	13.76	-0.02	13.65	13.63	-0.02	13.57	13.54	-0.02	13.50	13.48	-0.03	13.43	13.40	-0.03
00548	14.536	14.497	-0.04	14.50	14.45	-0.05	14.48	14.44	-0.05	14.47	14.43	-0.04	14.45	14.42	-0.03
00560	13.706	13.688	-0.02	13.45	13.42	-0.04	13.13	13.04	-0.09	12.68	12.59	-0.09	11.61	11.05	-0.56
00561	13.723	13.706	-0.02	13.47	13.43	-0.04	13.15	13.07	-0.08	12.79	12.76	-0.02	12.64	12.61	-0.03
00562	13.96	13.944	-0.02	13.76	13.73	-0.03	13.57	13.54	-0.03	13.43	13.42	-0.01	13.36	13.36	0.00
00563	14.156	14.149	-0.01	14.07	14.06	-0.01	13.96	13.94	-0.02	13.85	13.83	-0.02	12.47	11.89	-0.58
00564	15.198	15.196	0.00	14.99	14.98	-0.01	14.66	14.64	-0.02	14.31	14.27	-0.04	12.68	12.17	-0.52
00565	16.009	16.007	0.00	15.44	15.42	-0.01	15.09	15.07	-0.02	14.68	14.63	-0.04	12.87	12.33	-0.54
00571	14.161	14.146	-0.01	13.90	13.86	-0.04	13.54	13.46	-0.08	13.09	13.00	-0.09	11.85	11.29	-0.56
00572	14.376	14.364	-0.01	14.20	14.18	-0.03	13.99	13.94	-0.05	13.60	13.50	-0.10	12.16	11.59	-0.56
00574	14.825	14.808	-0.02	14.66	14.63	-0.03	14.48	14.42	-0.06	14.11	14.00	-0.11	12.46	11.89	-0.57
005741	14.821	14.805	-0.02	14.65	14.62	-0.03	14.47	14.42	-0.06	14.11	13.99	-0.11	12.46	11.89	-0.57
00574F	14.899	14.881	-0.02	14.72	14.68	-0.03	14.54	14.49	-0.05	14.43	14.43	0.00	14.41	14.41	0.00
00575	14.895	14.876	-0.02	14.71	14.68	-0.03	14.54	14.49	-0.05	14.27	14.20	-0.08	12.68	12.12	-0.56
00575B	14.894	14.876	-0.02	14.71	14.68	-0.03	14.54	14.48	-0.05	14.27	14.19	-0.08	13.99	13.99	0.00
00576	15.833	15.827	-0.01	15.44	15.42	-0.02	15.10	15.08	-0.03	14.71	14.66	-0.05	12.91	12.36	-0.55
00577	15.899	15.892	-0.01	15.51	15.49	-0.01	15.19	15.17	-0.02	14.81	14.77	-0.04	12.97	12.41	-0.55
00580	16.37	16.37	0.00	16.34	16.34	0.00	16.28	16.28	0.00	16.16	16.16	0.00	15.69	15.69	0.00
00581	16.174	16.169	0.00	15.74	15.74	-0.01	15.46	15.45	-0.01	15.09	15.05	-0.04	13.10	12.56	-0.55
00582	16.536	16.535	0.00	16.25	16.25	0.00	15.74	15.73	-0.01	15.25	15.21	-0.04	13.16	12.83	-0.33
00583	16.689	16.688	0.00	16.35	16.34	0.00	15.79	15.78	-0.01	15.28	15.24	-0.04	13.17	12.89	-0.28
00584	16.178	16.174	0.00	15.79	15.79	0.00	15.59	15.59	-0.01	15.29	15.26	-0.03	13.22	12.68	-0.54
00585	16.174	16.17	0.00	15.80	15.80	0.00	15.67	15.66	0.00	15.43	15.41	-0.03	13.31	12.78	-0.53
00586	15.854	15.854	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.61	15.60	-0.01	13.44	12.92	-0.52
00600	8.185	8.185	0.00	8.15	8.15	0.00	8.13	8.13	0.00	8.11	8.11	0.00	8.08	8.08	0.00
00601	9.838	9.838	0.00	9.61	9.61	0.00	9.41	9.41	0.00	9.28	9.28	0.00	8.73	8.73	0.00
00700	8.721	8.721	0.00	8.69	8.69	0.00	8.67	8.67	0.00	8.65	8.65	0.00	8.59	8.59	0.00
00701	10.874	10.874	0.00	10.78	10.78	0.00	10.66	10.66	0.00	10.36	10.36	0.00	9.67	9.67	0.00
00800	7.369	7.368	0.00	6.44	6.44	0.00	5.87	5.87	0.00	5.54	5.54	0.00	5.17	5.17	0.00
00800A	11.082	11.082	0.00	11.00	11.00	0.00	10.93	10.93	0.00	10.88	10.88	0.00	10.83	10.83	0.00
00800x	4.916	4.914	0.00	4.00	4.00	0.00	3.42	3.42	0.00	3.10	3.10	0.00	2.78	2.78	0.00
00802	8.406	8.405	0.00	7.45	7.45	0.00	6.85	6.85	0.00	6.49	6.49	0.00	6.08	6.08	0.00
00805A	11.434	11.434	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.33	11.33	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00811	9.789	9.787	0.00	8.58	8.58	0.00	7.85	7.85	0.00	7.42	7.42	0.00	6.95	6.95	0.00
00812A	13.14	13.14	0.00	13.06	13.06	0.00	13.01	13.01	0.00	12.88	12.88	0.00	12.47	12.47	0.00
00812Y	13.101	13.101	0.00	12.89	12.89	0.00	12.31	12.31	0.00	11.97	11.97	0.00	11.77	11.77	0.00
00813	9.829	9.827	0.00	8.64	8.64	0.00	7.92	7.92	0.00	7.50	7.50	0.00	7.03	7.03	0.00
00821	11.222	11.221	0.00	9.37	9.37	0.00	8.52	8.52	0.00	8.00	8.00	0.00	7.43	7.43	0.00
00823	11.277	11.276	0.00	9.48	9.48	0.00	8.71	8.71	0.00	8.26	8.26	0.00	7.79	7.79	0.00
00824	11.326	11.324	0.00	9.62	9.62	0.00	9.00	9.00	0.00	8.72	8.72	0.00	8.55	8.55	0.00
00825	13.956	13.956	0.00	13.71	13.71	0.00	13.35	13.35	0.00	12.75	12.75	0.00	12.10	12.10	0.00
00827A	14.184	14.184	0.00	13.95	13.95	0.00	13.81	13.81	0.00	13.55	13.55	0.00	12.91	12.91	0.00
00827B	14.331	14.331	0.00	14.07	14.07	0.00	13.89	13.89	0.00	13.66	13.66	0.00	13.25	13.25	0.00
00827C	14.322	14.322	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.21	13.21	0.00
00827D	14.569	14.569	0.00	14.46	14.46	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.75	13.75	0.00
00827F	14.561	14.561	0.00	14.45	14.45	0.00	14.33	14.33	0.00	14.08	14.08	0.00	13.96	13.96	0.00
00827Y	15.062	15.062	0.00	14.92	14.92	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.58	14.58	0.00
00828	14.393	14.393	0.00	14.08	14.08	0.00	13.89	13.89	0.00	13.65	13.65	0.00	13.23	13.23	0.00
00829A	14.636	14.636	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
00829Y	15.222	15.222	0.00	15.12	15.12	0.00	15.05	15.05	0.00	15.00	15.00	0.00	14.93	14.93	0.00
00830	10.004	10.002	0.00	8.88	8.87	0.00	8.16	8.16	0.00	7.74	7.74	0.00	7.28	7.28	0.00
00831	11.446	11.446	0.00	11.40	11.40	0.00	11.37	11.37	0.00	11.35	11.35	0.00	11.32	11.32	0.00
00833	10.102	10.1	0.00	8.96	8.96	0.00	8.26	8.26	0.00	7.86	7.86	0.00	7.43	7.43	0.00
008331	10.13	10.128	0.00	8.99	8.99	0.00	8.30	8.30	0.00	7.90	7.90	0.00	7.48	7.48	0.00
00834	11.976	11.976	0.00	11.73	11.73	0.00	11.54	11.54	0.00	11.44	11.44	0.00	11.34	11.34	0.00
00835A	12.51	12.51	0.00	12.18	12.18	0.00	12.02	12.02	0.00	11.92	11.92	0.00	11.81	11.81	0.00
00840	10.681	10.681	0.00	10.36	10.35	0.00	9.98	9.98	0.00	9.72	9.72	0.00	9.39	9.39	0.00
00841	12.364	12.363	0.00	12.18	12.17	0.00	12.03	12.03	0.00	11.92	11.92	0.00	11.79	11.79	0.00
00841b	11.03	11.029	0.00	10.73	10.73	0.00	10.41	10.41	0.00	10.18	10.18	0.00	9.89	9.89	0.00
00842	13.028	13.028	0.00	12.90	12.90	0.00	12.81	12.81	0.00	12.76	12.76	0.00	12.72	12.72	0.00
00843	13.474	13.472	0.00	13.30	13.30	0.00	13.18	13.18	0.00	13.10	13.10	0.00	12.99	12.99	0.00
00843b	12.564	12.562	0.00	12.38	12.38	0.00	12.24	12.24	0.00	12.13	12.13	0.00	12.01	12.01	0.00
00843F	14.136	14.136	0.00	14.11	14.11	0.00	14.09	14.09	0.00	14.08	14.08	0.00	14.06	14.06	0.00
00844	14.064	14.063	0.00	13.91	13.91	0.00	13.81	13.81	0.00	13.73	13.73	0.00	13.61	13.61	0.00
00844F	13.607	13.607	0.00	13.45	13.45	0.00	13.36	13.36	0.00	13.28	13.28	0.00	13.19	13.19	0.00
00845	13.522	13.518	0.00	13.36	13.36	0.00	13.29	13.29	0.00	13.25	13.25	0.00	13.22	13.22	0.00
00851Y	14.964	14.963	0.00	14.83	14.83	0.00	14.70	14.70	0.00	14.47	14.47	0.00	14.04	14.04	0.00
00852A	15.451	15.451	0.00	15.31	15.31	0.00	15.14	15.14	0.00	14.76	14.76	0.00	14.26	14.26	0.00
00852Y	15.065	15.065	0.00	14.94	14.94	0.00	14.82	14.82	0.00	14.74	14.74	0.00	14.68	14.68	0.00
00854A	16.778	16.778	0.00	16.69	16.69	0.00	16.66	16.66	0.00	16.64	16.64	0.00	16.61	16.61	0.00
00854Y	16.42	16.42	0.00	16.03	16.03	0.00	15.77	15.77	0.00	15.55	15.55	0.00	15.19	15.19	0.00
00861	14.968	14.968	0.00	14.39	14.39	0.00	14.01	14.01	0.00	13.79	13.79	0.00	13.56	13.56	0.00
00862	15.038	15.038	0.00	14.76	14.76	0.00	14.45	14.45	0.00	14.21	14.21	0.00	13.86	13.86	0.00
00864	15.351	15.351	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00865	15.346	15.346	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
00866B	15.419	15.419	0.00	15.37	15.37	0.00	15.33	15.33	0.00	15.32	15.32	0.00	15.30	15.30	0.00
00866Y	15.389	15.389	0.00	15.32	15.32	0.00	15.28	15.28	0.00	15.23	15.23	0.00	15.11	15.11	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00867A	16.613	16.613	0.00	16.57	16.57	0.00	16.54	16.54	0.00	16.50	16.50	0.00	16.27	16.27	0.00
00867Y	16.183	16.183	0.00	16.15	16.15	0.00	16.13	16.13	0.00	16.11	16.11	0.00	15.93	15.93	0.00
00868	16.705	16.705	0.00	16.64	16.64	0.00	16.59	16.59	0.00	16.55	16.55	0.00	16.28	16.28	0.00
00869F	17.391	17.391	0.00	17.33	17.33	0.00	17.25	17.25	0.00	17.05	17.05	0.00	16.63	16.63	0.00
00870A	15.38	15.38	0.00	15.32	15.32	0.00	15.27	15.27	0.00	15.23	15.23	0.00	15.10	15.10	0.00
00870Y	15.365	15.365	0.00	15.31	15.31	0.00	15.27	15.27	0.00	15.22	15.22	0.00	15.10	15.10	0.00
00871A	15.582	15.582	0.00	15.51	15.51	0.00	15.48	15.48	0.00	15.46	15.46	0.00	15.43	15.43	0.00
00871B	15.427	15.427	0.00	15.35	15.35	0.00	15.30	15.30	0.00	15.26	15.26	0.00	15.18	15.18	0.00
00871F	15.527	15.527	0.00	15.42	15.42	0.00	15.36	15.36	0.00	15.30	15.30	0.00	15.19	15.19	0.00
00871G	15.388	15.388	0.00	15.33	15.33	0.00	15.28	15.28	0.00	15.24	15.24	0.00	15.18	15.18	0.00
00871H	15.363	15.363	0.00	15.30	15.30	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.11	15.11	0.00
00871Y	15.486	15.486	0.00	15.41	15.41	0.00	15.35	15.35	0.00	15.29	15.29	0.00	15.17	15.17	0.00
00872A	15.335	15.335	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00872F	15.346	15.346	0.00	15.26	15.26	0.00	15.20	15.20	0.00	15.15	15.15	0.00	15.10	15.10	0.00
00880	16.139	16.139	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.57	15.57	0.00	15.34	15.34	0.00
00880F	16.172	16.172	0.00	16.00	16.00	0.00	15.88	15.88	0.00	15.82	15.82	0.00	15.73	15.73	0.00
00881	16.142	16.142	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.58	15.58	0.00	15.34	15.34	0.00
00883	15.954	15.954	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.64	15.64	0.00	15.56	15.56	0.00
00884A	15.95	15.95	0.00	15.78	15.78	0.00	15.69	15.69	0.00	15.63	15.63	0.00	15.56	15.56	0.00
00884B	15.335	15.335	0.00	15.16	15.16	0.00	15.07	15.07	0.00	15.01	15.01	0.00	14.94	14.94	0.00
00900	6.302	6.302	0.00	5.77	5.77	0.00	5.27	5.27	0.00	4.98	4.98	0.00	4.66	4.66	0.00
00900A	11.54	11.54	0.00	11.44	11.44	0.00	11.37	11.37	0.00	11.31	11.31	0.00	11.23	11.23	0.00
00910	11.639	11.639	0.00	11.43	11.43	0.00	11.33	11.33	0.00	11.26	11.26	0.00	11.18	11.18	0.00
00920	11.913	11.913	0.00	11.66	11.66	0.00	11.51	11.51	0.00	11.41	11.41	0.00	11.29	11.29	0.00
01000	8.999	8.987	-0.01	8.53	8.52	-0.01	7.97	7.87	-0.10	7.30	7.21	-0.08	6.71	6.58	-0.12
01005	9.036	9.016	-0.02	8.58	8.55	-0.03	8.02	7.86	-0.17	7.37	7.19	-0.18	6.82	6.55	-0.28
01020	9.618	9.563	-0.05	9.45	9.13	-0.31	8.72	7.82	-0.90	7.90	7.10	-0.80	7.31	6.38	-0.93
01020R	10.341	10.341	0.00	10.26	10.26	0.00	10.21	10.21	0.00	10.16	10.16	0.00	10.11	10.11	0.00
01100	8.996	8.976	-0.02	8.53	8.51	-0.02	7.98	7.87	-0.11	7.38	7.20	-0.17	6.84	6.59	-0.26
01100F	8.995	8.975	-0.02	8.52	8.51	-0.02	7.98	7.87	-0.11	7.53	7.51	-0.01	7.35	7.35	0.00
01100G	8.992	8.972	-0.02	8.51	8.50	-0.02	8.15	8.15	0.00	8.08	8.08	0.00	7.99	7.99	0.00
01100H	8.723	8.713	-0.01	8.46	8.44	-0.01	8.24	8.24	0.00	8.16	8.16	0.00	8.06	8.06	0.00
01100I	8.352	8.352	0.00	8.29	8.29	0.00	8.25	8.25	0.00	8.23	8.23	0.00	8.21	8.21	0.00
01100J	8.994	8.974	-0.02	8.53	8.51	-0.02	7.99	7.88	-0.11	7.74	7.74	0.00	7.63	7.63	0.00
01100X	8.995	8.975	-0.02	8.52	8.50	-0.02	7.98	7.87	-0.11	7.40	7.27	-0.13	6.90	6.71	-0.19
01200	3.133	2.369	-0.76	2.56	1.89	-0.67	2.45	1.77	-0.67	2.35	1.70	-0.65	2.02	1.59	-0.43
01201	3.375	3.322	-0.05	3.10	3.03	-0.07	2.94	2.69	-0.25	2.84	2.49	-0.35	2.34	2.10	-0.24
01201F	4.163	4.163	0.00	4.13	4.13	0.00	4.11	4.11	0.00	4.09	4.09	0.00	4.08	4.08	0.00
01202	2.41	2.365	-0.04	2.09	2.01	-0.08	1.90	1.80	-0.10	1.81	1.75	-0.05	1.72	1.69	-0.03
01203	4.256	4.201	-0.06	3.79	3.68	-0.11	3.53	3.30	-0.23	3.47	3.05	-0.42	3.27	3.03	-0.23
01220F	5.77	5.77	0.00	5.71	5.71	0.00	5.67	5.67	0.00	5.63	5.63	0.00	5.59	5.59	0.00
01220G	5.624	5.595	-0.03	5.56	5.56	0.00	5.54	5.54	0.00	5.52	5.52	0.00	5.50	5.50	0.00
01221	4.254	4.199	-0.05	3.79	3.68	-0.11	3.53	3.29	-0.24	3.47	3.00	-0.47	3.26	2.47	-0.79
01222	5.939	5.9	-0.04	5.23	5.00	-0.23	4.16	3.76	-0.40	3.97	3.37	-0.60	3.56	2.68	-0.88

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01223	5.937	5.902	-0.04	5.23	5.01	-0.22	4.17	3.80	-0.36	3.98	3.49	-0.49	3.61	2.78	-0.83
01224	5.943	5.906	-0.04	5.23	5.01	-0.22	4.20	3.89	-0.31	4.02	3.66	-0.36	3.69	3.01	-0.68
01225	6.096	6.058	-0.04	5.36	5.22	-0.14	4.59	4.32	-0.28	4.35	4.01	-0.34	3.89	3.21	-0.67
01226	6.84	6.805	-0.04	6.04	5.93	-0.11	5.31	5.11	-0.20	4.99	4.68	-0.32	4.27	3.60	-0.67
01227	7.341	7.312	-0.03	6.52	6.44	-0.08	5.79	5.64	-0.15	5.43	5.12	-0.31	4.52	3.83	-0.69
01228	7.831	7.808	-0.02	7.02	6.96	-0.06	6.21	6.10	-0.11	5.96	5.96	0.00	5.67	5.66	0.00
01229	8.989	8.887	-0.10	7.89	7.86	-0.04	7.01	6.90	-0.11	6.54	6.54	0.00	5.99	5.99	0.00
01230	8.384	8.371	-0.01	8.01	7.98	-0.02	7.10	6.95	-0.15	6.55	6.55	0.00	6.00	6.00	0.00
01231	8.628	8.602	-0.03	7.94	7.92	-0.03	7.12	7.03	-0.09	6.65	6.65	0.00	6.06	6.06	-0.01
01232	8.376	8.363	-0.01	8.00	7.98	-0.02	7.32	7.26	-0.06	6.78	6.78	0.00	6.13	6.12	-0.01
01233	8.425	8.411	-0.01	8.02	8.00	-0.02	7.32	7.26	-0.06	6.83	6.83	0.00	6.20	6.19	-0.01
01234	8.425	8.411	-0.01	8.02	8.00	-0.02	7.32	7.26	-0.06	6.83	6.83	0.00	6.20	6.19	-0.01
01300	3.115	3.03	-0.09	2.64	2.64	0.00	2.19	2.19	0.00	1.96	1.96	0.00	1.76	1.76	0.00
01400	4.525	4.433	-0.09	4.06	4.03	-0.03	3.82	3.78	-0.04	3.64	3.59	-0.04	3.32	3.30	-0.02
01401	6.388	6.26	-0.13	5.53	5.46	-0.07	5.14	5.10	-0.05	4.87	4.81	-0.06	4.39	4.18	-0.21
01402	6.462	6.327	-0.14	5.62	5.54	-0.08	5.24	5.20	-0.05	4.98	4.93	-0.06	4.54	4.36	-0.18
01403	7.404	7.104	-0.30	6.22	6.09	-0.14	5.75	5.70	-0.05	5.47	5.40	-0.07	4.95	4.79	-0.16
01410	8.694	8.513	-0.18	7.58	7.35	-0.23	6.88	6.82	-0.06	6.55	6.45	-0.09	5.86	5.67	-0.19
01411	8.939	8.882	-0.06	7.87	7.66	-0.21	7.03	6.95	-0.07	6.67	6.56	-0.11	5.96	5.77	-0.19
01412	9.11	9.048	-0.06	8.63	8.54	-0.09	7.58	7.35	-0.23	7.01	6.88	-0.14	6.25	6.05	-0.20
01413	9.117	9.053	-0.06	8.64	8.55	-0.10	8.08	7.89	-0.19	7.47	7.29	-0.18	6.60	6.38	-0.22
01414	9.771	8.602	-1.17	9.73	6.83	-2.90	9.68	6.83	-2.85	9.30	6.83	-2.47	7.97	6.83	-1.14
01415	9.115	9.053	-0.06	8.64	8.55	-0.09	8.08	7.90	-0.19	7.47	7.29	-0.18	6.61	6.39	-0.22
01416	9.117	9.055	-0.06	8.64	8.55	-0.09	8.08	7.90	-0.18	7.47	7.29	-0.18	6.61	6.39	-0.22
01417	9.124	9.062	-0.06	8.65	8.56	-0.09	8.08	7.90	-0.18	7.47	7.30	-0.17	6.64	6.43	-0.21
01420	9.099	9.037	-0.06	8.52	8.25	-0.27	7.78	7.72	-0.06	7.42	7.31	-0.11	6.58	6.37	-0.21
01421	8.942	8.851	-0.09	8.68	8.44	-0.25	8.23	8.08	-0.15	7.95	7.81	-0.14	7.41	7.33	-0.07
01422	8.897	8.81	-0.09	8.69	8.50	-0.19	8.52	8.22	-0.29	8.35	8.02	-0.33	8.13	7.90	-0.23
01430	9.142	9.085	-0.06	8.70	8.66	-0.04	8.48	8.45	-0.03	8.19	8.11	-0.08	7.17	6.95	-0.22
01431	9.144	9.087	-0.06	8.71	8.67	-0.04	8.50	8.48	-0.03	8.29	8.25	-0.04	7.99	7.87	-0.12
01432	9.145	9.087	-0.06	8.71	8.70	-0.01	8.58	8.57	-0.02	8.45	8.42	-0.02	8.19	8.14	-0.06
01433	9.151	9.093	-0.06	8.73	8.72	-0.01	8.60	8.59	-0.01	8.51	8.50	-0.01	8.38	8.35	-0.03
01440	9.163	9.108	-0.05	8.77	8.76	-0.01	8.63	8.61	-0.02	8.48	8.45	-0.03	8.21	8.16	-0.05
01441	9.158	9.102	-0.06	8.76	8.75	-0.01	8.62	8.60	-0.02	8.47	8.45	-0.03	8.21	8.16	-0.05
01442	9.278	9.272	-0.01	9.11	9.10	-0.01	8.98	8.97	-0.02	8.85	8.83	-0.02	8.61	8.57	-0.04
01450	9.304	9.299	-0.01	9.15	9.14	-0.01	9.04	9.03	-0.01	8.95	8.94	-0.01	8.84	8.83	-0.01
01451	9.188	9.137	-0.05	8.89	8.89	-0.01	8.80	8.80	-0.01	8.74	8.73	-0.01	8.68	8.67	-0.01
01452	10.694	10.688	-0.01	10.53	10.52	-0.01	10.43	10.42	-0.01	10.37	10.35	-0.01	10.28	10.27	-0.01
01453	10.893	10.885	-0.01	10.71	10.70	-0.01	10.60	10.58	-0.02	10.52	10.51	-0.02	10.43	10.42	-0.01
01454	12.728	12.72	-0.01	12.58	12.57	-0.02	12.48	12.46	-0.02	12.41	12.38	-0.03	12.30	12.27	-0.03
01460	12.139	12.139	0.00	12.07	12.07	0.00	12.00	12.00	0.00	11.95	11.95	0.00	11.86	11.85	-0.01
01461	12.456	12.457	0.00	12.42	12.42	0.00	12.40	12.40	0.00	12.38	12.38	0.00	12.35	12.35	0.00
01462	12.793	12.794	0.00	12.76	12.76	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.68	12.67	-0.01
01463	13.245	13.249	0.00	13.18	13.18	0.00	13.14	13.13	-0.01	13.10	13.09	-0.01	13.04	13.01	-0.03

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01463F	13.629	13.632	0.00	13.60	13.60	0.00	13.57	13.58	0.01	13.55	13.56	0.02	13.52	13.54	0.02
01463G	13.627	13.629	0.00	13.59	13.60	0.00	13.57	13.58	0.01	13.54	13.56	0.02	13.52	13.54	0.02
01464	13.526	13.516	-0.01	13.42	13.39	-0.03	13.34	13.30	-0.04	13.27	13.22	-0.05	13.19	13.11	-0.08
01465	13.904	13.912	0.01	13.84	13.86	0.02	13.80	13.82	0.02	13.77	13.79	0.02	13.73	13.76	0.03
01466	12.763	12.763	0.00	12.73	12.73	0.00	12.71	12.71	0.00	12.69	12.69	0.00	12.66	12.66	0.00
01500	5.285	5.103	-0.18	5.13	4.89	-0.24	5.02	4.65	-0.37	4.93	4.28	-0.65	4.79	3.80	-0.99
01501	5.294	5.117	-0.18	5.14	4.90	-0.23	5.03	4.68	-0.34	4.93	4.46	-0.48	4.79	4.02	-0.78
01502	5.316	5.126	-0.19	5.15	4.91	-0.24	5.04	4.68	-0.36	4.94	4.48	-0.47	4.80	4.33	-0.47
01503	5.692	5.56	-0.13	5.41	5.23	-0.18	5.26	5.04	-0.22	5.13	4.85	-0.28	4.89	4.59	-0.30
01504	5.289	5.107	-0.18	5.13	4.89	-0.24	5.02	4.66	-0.37	4.93	4.55	-0.38	4.79	4.19	-0.61
01510	6.302	6.194	-0.11	6.25	5.95	-0.31	6.22	5.54	-0.68	6.20	5.23	-0.97	6.16	4.67	-1.50
01520	7.676	7.541	-0.14	7.61	6.94	-0.67	7.58	6.41	-1.17	7.55	6.01	-1.54	7.48	5.37	-2.11
01530	8.315	7.811	-0.50	7.93	7.21	-0.72	7.76	6.74	-1.02	7.69	6.36	-1.33	7.60	5.77	-1.83
01531	7.097	7.035	-0.06	6.98	6.96	-0.02	6.94	6.88	-0.06	6.91	6.82	-0.09	6.87	6.74	-0.13
01532	7	6.992	-0.01	6.93	6.92	-0.02	6.89	6.86	-0.03	6.86	6.81	-0.05	6.82	6.74	-0.09
01540	8.888	8.802	-0.09	8.68	8.49	-0.19	8.51	8.22	-0.30	8.35	8.01	-0.33	8.13	7.76	-0.37
01541	8.891	8.806	-0.09	8.69	8.49	-0.19	8.52	8.22	-0.30	8.35	8.02	-0.33	8.13	7.77	-0.36
01550	8.895	8.809	-0.09	8.69	8.50	-0.19	8.52	8.22	-0.30	8.35	8.02	-0.33	8.14	7.77	-0.37
01551	8.893	8.806	-0.09	8.69	8.49	-0.19	8.52	8.22	-0.30	8.35	8.02	-0.33	8.13	7.77	-0.37
01552	8.898	8.81	-0.09	8.69	8.50	-0.19	8.52	8.23	-0.30	8.35	8.03	-0.32	8.14	7.82	-0.32
01552F	11.255	11.255	0.00	11.21	11.21	0.00	11.18	11.18	0.00	11.15	11.15	0.00	11.14	11.14	0.00
01553	9.444	9.442	0.00	9.37	9.37	0.00	9.32	9.31	0.00	9.28	9.27	0.00	9.22	9.22	0.00
01600	6.24	6.24	0.00	6.18	6.18	0.00	5.56	5.56	0.00	4.34	4.34	0.00	3.30	3.30	0.00
01601	5.151	5.151	0.00	3.41	3.41	0.00	2.69	2.69	0.00	2.32	2.32	0.00	2.00	2.00	0.00
01700	6.52	5.985	-0.53	5.72	5.28	-0.44	5.29	4.98	-0.30	4.97	4.58	-0.39	3.96	3.49	-0.47
01701	6.293	5.77	-0.52	5.57	4.64	-0.94	4.60	3.91	-0.69	3.66	3.67	0.01	3.21	3.50	0.29
01710	8.886	8.832	-0.05	8.77	8.51	-0.26	8.31	7.62	-0.69	7.14	7.39	0.26	6.22	7.01	0.79
01711	8.87	8.773	-0.10	8.76	8.39	-0.37	8.36	7.62	-0.74	7.52	7.43	-0.09	7.03	7.12	0.09
01712	7.791	7.829	0.04	7.68	7.72	0.04	7.59	7.57	-0.01	7.52	7.44	-0.08	7.44	7.27	-0.17
01713	10.145	8.219	-1.93	10.10	7.90	-2.20	10.07	7.68	-2.39	10.04	7.54	-2.51	10.00	7.34	-2.66
01720	9.829	9.824	-0.01	9.69	9.66	-0.03	9.52	9.40	-0.12	8.86	9.06	0.21	7.64	8.34	0.70
01730	11.065	11.065	0.00	11.01	11.01	0.00	10.96	10.95	-0.01	10.66	10.78	0.12	9.39	9.91	0.52
01740	13.198	13.198	0.00	13.15	13.15	0.00	13.10	13.10	0.00	13.06	13.06	0.01	12.90	12.96	0.06
01741	14.186	14.186	0.00	14.15	14.15	0.00	14.12	14.12	0.00	14.08	14.08	0.00	13.65	13.76	0.11
01742	14.411	14.411	0.00	14.36	14.36	0.00	14.28	14.29	0.00	14.18	14.19	0.01	13.70	13.81	0.11
01750	13.771	13.773	0.00	13.71	13.71	0.00	13.66	13.66	0.00	13.62	13.63	0.01	13.56	13.57	0.01
01751	13.832	13.835	0.00	13.76	13.77	0.00	13.72	13.72	0.01	13.67	13.68	0.01	13.62	13.63	0.02
01752	13.852	13.894	0.04	13.79	13.83	0.04	13.73	13.79	0.05	13.68	13.76	0.08	13.62	13.71	0.09
01760	14.012	14.011	0.00	13.92	13.92	0.00	13.85	13.85	0.00	13.79	13.79	0.00	13.69	13.69	0.00
01761	14.17	14.17	0.00	14.11	14.11	0.00	14.07	14.07	0.00	14.03	14.03	0.00	13.96	13.96	0.00
01762	13.868	13.868	0.00	13.82	13.82	0.00	13.79	13.79	0.00	13.76	13.76	0.00	13.69	13.69	0.00
01770	14.082	14.069	-0.01	13.96	13.96	0.00	13.88	13.88	0.00	13.80	13.80	0.00	13.68	13.68	0.00
01800	8.505	8.086	-0.42	6.96	5.34	-1.62	5.38	4.05	-1.33	4.43	3.56	-0.87	3.40	2.92	-0.48
01810	10.464	10.457	-0.01	9.95	8.00	-1.95	7.41	7.41	0.00	7.12	7.12	0.00	6.88	6.88	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01820	10.521	10.515	-0.01	10.17	9.39	-0.79	7.46	5.86	-1.60	5.63	4.72	-0.90	3.99	3.82	-0.17
01824F	15.076	15.076	0.00	14.96	14.96	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.47	14.47	0.00
01824G	15.225	15.225	0.00	15.12	15.12	0.00	15.02	15.02	0.00	14.90	14.90	0.00	14.58	14.58	0.00
01830	11.011	10.994	-0.02	10.68	10.10	-0.58	8.15	6.45	-1.70	6.04	5.12	-0.92	4.23	4.10	-0.13
01831A	14.714	14.714	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
01834F	15.672	15.672	0.00	15.61	15.61	0.00	15.54	15.54	0.00	15.42	15.42	0.00	15.25	15.25	0.00
01837F	15.094	15.094	0.00	14.73	14.73	0.00	14.57	14.57	0.00	14.43	14.43	0.00	14.29	14.29	0.00
01840	11.98	11.941	-0.04	11.68	11.50	-0.18	9.53	9.09	-0.44	8.45	8.40	-0.04	7.76	7.79	0.03
01848	14.916	14.916	0.00	14.83	14.83	0.00	14.77	14.77	0.00	14.73	14.73	0.00	14.71	14.71	0.00
01850	12.209	12.196	-0.01	11.96	11.91	-0.05	11.53	11.53	-0.01	11.15	11.15	0.00	10.53	10.56	0.03
01853D	16.122	16.122	0.00	16.10	16.10	0.00	16.09	16.09	0.00	16.09	16.09	0.00	16.08	16.08	0.00
01853F	17.121	17.121	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.01	17.01	0.00	16.90	16.90	0.00
01855A	15.821	15.821	0.00	15.80	15.80	0.00	15.79	15.79	0.00	15.78	15.78	0.00	15.77	15.77	0.00
01856F	16.337	16.337	0.00	16.26	16.26	0.00	16.20	16.20	0.00	16.20	16.20	0.00	16.16	16.16	0.00
01860	12.236	12.224	-0.01	11.99	11.95	-0.04	11.66	11.65	-0.01	11.39	11.39	-0.01	10.79	10.80	0.02
01870	12.252	12.24	-0.01	12.00	11.96	-0.04	11.67	11.66	-0.01	11.41	11.40	-0.01	10.92	10.92	0.00
01880	12.354	12.344	-0.01	12.12	12.09	-0.02	11.96	11.95	-0.01	11.88	11.87	-0.01	11.79	11.78	-0.01
01900	5.804	5.804	0.00	5.67	5.67	0.00	5.47	5.47	0.00	5.27	5.27	-0.01	4.64	4.63	-0.01
01901	7.145	7.145	0.00	6.91	6.91	0.00	6.54	6.54	0.00	6.21	6.21	-0.01	5.18	5.16	-0.02
01902	8.133	8.085	-0.05	7.67	7.67	0.00	7.25	7.25	0.00	6.88	6.87	-0.01	5.53	5.51	-0.02
01911	8.136	8.088	-0.05	7.68	7.68	0.00	7.26	7.25	0.00	6.88	6.87	-0.01	5.54	5.52	-0.02
01920	9.393	9.314	-0.08	8.60	8.59	0.00	8.15	8.14	-0.01	7.73	7.72	-0.01	6.57	6.55	-0.02
01921	10.76	10.659	-0.10	9.54	9.54	0.00	9.12	9.11	-0.01	8.70	8.68	-0.02	7.13	7.09	-0.03
01930	11.603	11.553	-0.05	10.86	10.84	-0.02	10.52	10.52	-0.01	10.14	10.12	-0.02	7.95	7.90	-0.05
01940	12.251	12.241	-0.01	12.00	11.97	-0.04	11.66	11.65	-0.01	11.27	11.24	-0.02	8.58	8.51	-0.07
01950	12.254	12.244	-0.01	12.00	11.97	-0.04	11.66	11.66	-0.01	11.28	11.25	-0.02	8.61	8.54	-0.07
01953	12.263	12.253	-0.01	12.01	11.98	-0.04	11.69	11.68	-0.01	11.33	11.31	-0.02	8.81	8.71	-0.10
01954	12.336	12.327	-0.01	12.08	12.06	-0.02	11.94	11.94	0.00	11.82	11.81	-0.01	10.47	10.08	-0.39
02000	9.044	9.044	0.00	8.93	8.93	0.00	8.83	8.83	0.00	8.70	8.70	0.00	8.40	8.40	0.00
02001	7.646	7.646	0.00	7.51	7.51	0.00	7.42	7.42	0.00	7.35	7.35	0.00	7.29	7.29	0.00
02100	9.549	9.533	-0.02	5.00	5.00	0.00	3.73	3.73	0.00	3.06	3.06	0.00	2.48	2.48	0.00
02110	10.323	10.302	-0.02	7.98	7.98	0.00	7.25	7.25	0.00	6.88	6.88	0.00	6.54	6.54	0.00
02130	10.887	10.876	-0.01	10.50	10.50	0.00	8.94	8.94	0.00	8.10	8.10	0.00	7.35	7.35	0.00
02150	10.686	10.661	-0.03	8.41	8.41	0.00	7.53	7.53	0.00	7.07	7.07	0.00	6.66	6.66	0.00
02160	10.986	10.963	-0.02	10.67	10.67	0.00	9.06	9.06	0.00	8.18	8.18	0.00	7.41	7.41	0.00
02170	10.913	10.904	-0.01	10.66	10.66	0.00	9.05	9.05	0.00	8.18	8.18	0.00	7.40	7.40	0.00
02200	12.808	12.808	0.00	12.72	12.72	0.00	12.63	12.63	0.00	12.55	12.55	0.00	12.43	12.43	0.00
02200A	10.2	10.2	0.00	9.80	9.80	0.00	9.60	9.60	0.00	9.48	9.48	0.00	9.35	9.35	0.00
02200x	12.561	12.556	-0.01	12.26	12.26	0.00	12.17	12.17	0.00	12.12	12.12	0.00	12.06	12.06	0.00
02200x1	9.832	9.826	-0.01	9.22	9.21	-0.01	8.74	8.74	0.00	8.22	8.22	0.00	7.91	7.91	0.00
02200Y	11.927	11.927	0.00	11.86	11.86	0.00	11.82	11.82	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02200Z	6.845	6.845	0.00	6.33	6.32	0.00	6.00	6.00	0.00	5.68	5.68	0.00	5.37	5.37	0.00
02202A	14.598	14.598	0.00	14.53	14.53	0.00	14.50	14.50	0.00	14.46	14.46	0.00	14.41	14.41	0.00
02202Y	12.133	12.133	0.00	12.02	12.02	0.00	11.70	11.70	0.00	11.22	11.22	0.00	10.53	10.53	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02202YA	13.206	13.206	0.00	12.80	12.80	0.00	12.53	12.53	0.00	12.39	12.39	0.00	12.27	12.27	0.00
02202YB	11.274	11.274	0.00	10.82	10.82	0.00	10.34	10.34	0.00	10.17	10.17	0.00	10.05	10.05	0.00
02203	12.271	12.271	0.00	11.80	11.80	0.00	11.26	11.26	0.00	10.83	10.83	0.00	10.46	10.46	0.00
02220	10.448	10.443	-0.01	9.82	9.82	0.00	9.81	9.81	0.00	9.81	9.81	0.00	9.79	9.79	0.00
02221A	13.016	13.016	0.00	12.98	12.98	0.00	12.97	12.97	0.00	12.95	12.95	0.00	12.94	12.94	0.00
02222	12.624	12.623	0.00	11.74	11.74	0.00	11.70	11.70	0.00	11.67	11.67	0.00	11.63	11.63	0.00
02223	14.487	14.487	0.00	14.18	14.18	0.00	13.57	13.57	0.00	13.04	13.04	0.00	12.53	12.53	0.00
02230	14.979	14.979	0.00	14.91	14.91	0.00	14.43	14.43	0.00	13.66	13.66	0.00	12.94	12.94	0.00
02240	15.789	15.789	0.00	15.22	15.22	0.00	14.23	14.23	0.00	13.52	13.52	0.00	12.85	12.84	0.00
02250	12.38	12.372	-0.01	11.92	11.90	-0.02	11.25	11.24	-0.01	10.45	10.44	-0.01	9.81	9.80	-0.01
02250B	12.832	12.832	0.00	12.70	12.70	0.00	12.58	12.58	0.00	12.50	12.50	0.00	12.36	12.36	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.527	12.525	0.00	12.37	12.37	0.00	11.97	11.97	0.00	10.89	10.88	0.00	10.46	10.46	0.00
02253	12.433	12.431	0.00	12.29	12.29	0.00	11.97	11.96	0.00	11.78	11.78	0.00	11.74	11.74	0.00
02254A	12.58	12.579	0.00	12.44	12.44	0.00	12.32	12.32	0.00	12.25	12.25	0.00	12.12	12.12	0.00
02254Y	12.263	12.253	-0.01	12.09	12.09	0.00	12.03	12.03	0.00	11.98	11.98	0.00	11.94	11.94	0.00
02260	12.383	12.376	-0.01	12.07	12.05	-0.03	11.64	11.63	-0.01	10.94	10.93	-0.01	10.44	10.43	-0.01
02261	12.352	12.344	-0.01	12.06	12.04	-0.03	11.65	11.64	-0.01	11.06	11.06	0.00	10.80	10.79	-0.01
02270	12.498	12.494	0.00	12.35	12.34	-0.01	12.21	12.20	0.00	11.97	11.96	-0.01	11.74	11.72	-0.02
02271	12.534	12.532	0.00	12.44	12.44	0.00	12.38	12.38	0.00	12.28	12.27	-0.01	12.13	12.11	-0.02
02271F	13.421	13.417	0.00	13.27	13.27	-0.01	13.16	13.16	-0.01	13.07	13.06	-0.01	12.94	12.92	-0.03
02272	12.783	12.78	0.00	12.66	12.66	0.00	12.54	12.54	0.00	12.38	12.37	-0.01	12.19	12.18	-0.02
02273	13.859	13.857	0.00	13.61	13.61	0.00	13.23	13.22	0.00	12.81	12.80	-0.01	12.47	12.45	-0.02
02274	14.625	14.625	0.00	14.50	14.50	0.00	13.90	13.90	-0.01	13.23	13.21	-0.02	12.73	12.71	-0.02
02280	13.227	13.223	0.00	13.11	13.11	-0.01	13.04	13.04	-0.01	12.98	12.97	-0.01	12.89	12.86	-0.03
02281A	13.817	13.817	0.00	13.76	13.76	0.00	13.72	13.72	0.00	13.67	13.66	-0.01	13.35	13.30	-0.05
02281Y	13.517	13.512	0.00	13.40	13.39	-0.01	13.34	13.33	-0.01	13.30	13.29	-0.01	13.23	13.20	-0.03
02282A	14.468	14.461	-0.01	14.23	14.22	-0.01	14.08	14.06	-0.01	13.97	13.95	-0.02	13.84	13.78	-0.06
02282B	14.565	14.535	-0.03	14.33	14.31	-0.02	14.21	14.17	-0.04	14.11	14.03	-0.08	14.00	13.86	-0.14
02282Y	14.152	14.141	-0.01	14.00	13.99	-0.01	13.92	13.90	-0.02	13.86	13.83	-0.03	13.77	13.71	-0.06
02283	15.144	15.112	-0.03	15.05	15.00	-0.05	14.97	14.88	-0.09	14.90	14.64	-0.25	14.82	14.31	-0.51
02284	14.781	14.781	0.00	14.68	14.68	0.00	14.62	14.62	0.00	14.56	14.56	0.00	14.48	14.48	0.00
02285A	15.011	15.011	0.00	14.96	14.96	0.00	14.93	14.93	0.00	14.91	14.91	0.00	14.88	14.88	0.00
02290	3.522	3.522	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00	3.00	3.00	0.00
02292	11.922	11.921	0.00	11.10	11.10	0.00	10.74	10.74	0.00	10.37	10.37	0.00	9.95	9.95	0.00
02292A	11.761	11.761	0.00	11.00	11.00	0.00	10.67	10.67	0.00	10.32	10.32	0.00	9.90	9.90	0.00
02294	13.453	13.453	0.00	13.40	13.40	0.00	13.36	13.36	0.00	13.34	13.34	0.00	13.30	13.30	0.00
02294x	12.621	12.619	0.00	11.20	11.20	0.00	10.79	10.79	0.00	10.39	10.39	0.00	9.95	9.95	0.00
02297	13.319	13.319	0.00	13.22	13.22	0.00	13.06	13.06	0.00	12.73	12.73	0.00	12.39	12.39	0.00
02298	12.39	12.383	-0.01	12.13	12.13	0.00	12.11	12.11	0.00	12.08	12.08	0.00	12.05	12.05	0.00
02298n1	12.806	12.806	0.00	12.69	12.69	0.00	12.58	12.58	0.00	12.49	12.49	0.00	12.36	12.36	0.00
02300	8.081	8.081	0.00	7.98	7.98	0.00	7.90	7.90	0.00	7.84	7.84	0.00	7.75	7.75	0.00
02301	9.691	9.691	0.00	9.47	9.47	0.00	9.12	9.12	0.00	8.90	8.90	0.00	8.59	8.59	0.00
02302	10.973	10.973	0.00	10.66	10.66	0.00	10.09	10.09	0.00	9.75	9.75	0.00	9.25	9.25	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02304	11.77	11.77	0.00	11.54	11.54	0.00	11.23	11.23	0.00	11.02	11.02	0.00	10.59	10.59	0.00
02305	11.721	11.721	0.00	11.53	11.53	0.00	11.24	11.24	0.00	10.56	10.56	0.00	9.56	9.56	0.00
02306	11.506	11.506	0.00	11.12	11.12	0.00	10.15	10.15	0.00	9.78	9.78	0.00	9.30	9.30	0.00
02307	11.537	11.537	0.00	11.14	11.14	0.00	10.18	10.18	0.00	9.79	9.79	0.00	9.32	9.32	0.00
02308	11.752	11.752	0.00	11.54	11.54	0.00	11.25	11.25	0.00	11.05	11.05	0.00	10.69	10.69	0.00
02309	11.768	11.768	0.00	11.56	11.56	0.00	11.35	11.35	0.00	11.25	11.25	0.00	10.84	10.84	0.00
02310	11.757	11.757	0.00	11.55	11.55	0.00	11.35	11.35	0.00	11.26	11.26	0.00	10.85	10.85	0.00
02311	12.085	12.085	0.00	11.98	11.98	0.00	11.88	11.88	0.00	11.79	11.79	0.00	11.44	11.44	0.00
02312	11.764	11.764	0.00	11.55	11.55	0.00	11.26	11.26	0.00	11.05	11.05	0.00	10.63	10.63	0.00
02313	11.787	11.787	0.00	11.56	11.56	0.00	11.26	11.27	0.00	11.05	11.05	0.00	10.61	10.61	0.00
02314	12.294	12.294	0.00	12.26	12.26	0.00	12.24	12.24	0.00	12.22	12.22	0.00	12.19	12.19	0.00
02400	13.955	13.955	0.00	11.76	11.76	0.00	11.02	11.02	0.00	10.73	10.73	0.00	10.28	10.28	0.00
02410	14.088	14.088	0.00	13.76	13.76	0.00	12.78	12.78	0.00	12.29	12.29	0.00	11.37	11.37	0.00
02410F	14.761	14.761	0.00	14.76	14.76	0.00	14.75	14.75	0.00	14.75	14.75	0.00	14.74	14.74	0.00
02411	14.516	14.516	0.00	14.22	14.22	0.00	13.39	13.39	0.00	12.87	12.87	0.00	11.75	11.75	0.00
02412	14.494	14.494	0.00	14.33	14.33	0.00	13.90	13.90	0.00	13.44	13.44	0.00	12.15	12.15	0.00
02420	14.816	14.816	0.00	14.63	14.63	0.00	14.43	14.43	0.00	13.23	13.23	0.00	12.63	12.63	0.00
02425	15.27	15.27	0.00	14.87	14.87	0.00	14.59	14.59	0.00	13.34	13.34	0.00	12.69	12.69	0.00
02430	13.722	13.722	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02431	13.721	13.721	0.00	12.91	12.91	0.00	12.47	12.47	0.00	12.22	12.22	0.00	11.96	11.96	0.00
02440	14.708	14.708	0.00	14.33	14.33	0.00	14.10	14.10	0.00	13.87	13.87	0.00	13.32	13.32	0.00
02441	14.73	14.73	0.00	14.36	14.36	0.00	14.14	14.14	0.00	13.98	13.98	0.00	13.63	13.63	0.00
02442	15.366	15.366	0.00	15.03	15.03	0.00	14.90	14.90	0.00	14.61	14.61	0.00	14.00	14.00	0.00
02500	7.955	7.955	0.00	7.80	7.80	0.00	7.71	7.71	0.00	7.62	7.62	0.00	7.51	7.51	0.00
02500F	11.334	11.334	0.00	10.86	10.86	0.00	10.64	10.64	0.00	10.50	10.50	0.00	10.36	10.36	0.00
02500W	9.889	9.889	0.00	9.78	9.78	0.00	9.72	9.72	0.00	9.66	9.66	0.00	9.60	9.60	0.00
02510	11.506	11.506	0.00	11.41	11.41	0.00	11.33	11.33	0.00	11.23	11.23	0.00	11.10	11.10	0.00
02511	14.699	14.699	0.00	14.21	14.21	0.00	13.90	13.90	0.00	13.63	13.63	0.00	13.34	13.34	0.00
02512	15.415	15.415	0.00	14.77	14.77	0.00	14.36	14.36	0.00	13.98	13.98	0.00	13.57	13.57	0.00
02513	15.419	15.419	0.00	14.80	14.80	0.00	14.64	14.64	0.00	14.51	14.51	0.00	14.14	14.14	0.00
02513B	15.417	15.417	0.00	14.78	14.78	0.00	14.38	14.38	0.00	14.02	14.02	0.00	13.62	13.62	0.00
02514	16.21	16.21	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02520A	16.208	16.208	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.53	15.53	0.00	15.28	15.28	0.00
02520Y	16.211	16.211	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02521A	16.216	16.216	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02522	16.211	16.211	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02600	14.831	14.831	0.00	14.46	14.46	0.00	14.16	14.16	0.00	13.92	13.92	0.00	13.65	13.65	0.00
02610	15.675	15.675	0.00	15.33	15.33	0.00	15.05	15.05	0.00	14.88	14.88	0.00	14.63	14.63	0.00
02620	12.911	12.911	0.00	12.81	12.81	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02701A	14.422	14.422	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02701Y	8.91	8.91	0.00	7.78	7.78	0.00	7.18	7.18	0.00	6.75	6.75	0.00	6.31	6.31	0.00
02702	10.642	10.642	0.00	8.96	8.96	0.00	8.07	8.07	0.00	7.51	7.51	0.00	6.95	6.95	0.00
02703	12.893	12.893	0.00	12.80	12.80	0.00	12.73	12.73	0.00	12.66	12.66	0.00	12.57	12.57	0.00
02703F	10.949	10.949	0.00	9.27	9.27	0.00	8.98	8.98	0.00	8.74	8.74	0.00	8.43	8.43	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02712	11.175	11.175	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00	9.64	9.64	0.00
02713	15.205	15.205	0.00	15.15	15.15	0.00	15.13	15.13	0.00	15.11	15.11	0.00	15.08	15.08	0.00
02713F	15.2	15.2	0.00	14.99	14.99	0.00	14.95	14.95	0.00	14.94	14.94	0.00	14.93	14.93	0.00
02713G	15.374	15.374	0.00	15.18	15.18	0.00	15.14	15.14	0.00	15.09	15.09	0.00	14.97	14.97	0.00
02716	13.571	13.571	0.00	13.39	13.39	0.00	13.23	13.23	0.00	13.10	13.10	0.00	12.92	12.92	0.00
02717	14.437	14.437	0.00	14.16	14.16	0.00	13.90	13.90	0.00	13.68	13.68	0.00	13.40	13.40	0.00
02718	14.916	14.916	0.00	14.59	14.59	0.00	14.27	14.27	0.00	14.01	14.01	0.00	13.67	13.67	0.00
02718X	14.449	14.449	0.00	14.16	14.16	0.00	13.91	13.91	0.00	13.69	13.69	0.00	13.40	13.40	0.00
02719A	15.999	15.999	0.00	15.92	15.92	0.00	15.84	15.84	0.00	15.74	15.74	0.00	15.47	15.47	0.00
02719Y	15.915	15.915	0.00	15.84	15.84	0.00	15.78	15.78	0.00	15.71	15.71	0.00	15.46	15.46	0.00
02720A	15.376	15.376	0.00	15.17	15.17	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.81	14.81	0.00
02721	15.807	15.807	0.00	15.78	15.78	0.00	15.70	15.70	0.00	15.54	15.54	0.00	15.35	15.35	0.00
02722B	16.148	16.148	0.00	15.79	15.79	0.00	15.45	15.45	0.00	15.26	15.26	0.00	15.09	15.09	0.00
02722Y	15.383	15.383	0.00	15.18	15.18	0.00	15.00	15.00	0.00	14.90	14.90	0.00	14.82	14.82	0.00
02723	16.169	16.169	0.00	15.80	15.80	0.00	15.48	15.48	0.00	15.29	15.29	0.00	15.11	15.11	0.00
02724	16.178	16.178	0.00	16.01	16.01	0.00	15.98	15.98	0.00	15.96	15.96	0.00	15.93	15.93	0.00
02724F	16.185	16.185	0.00	15.84	15.84	0.00	15.79	15.79	0.00	15.79	15.79	0.00	15.78	15.78	0.00
02725	16.151	16.151	0.00	15.82	15.82	0.00	15.60	15.60	0.00	15.44	15.44	0.00	15.22	15.22	0.00
02726	16.158	16.157	0.00	15.83	15.83	0.00	15.61	15.61	0.00	15.48	15.48	0.00	15.40	15.40	0.00
02727	16.152	16.152	0.00	15.85	15.85	0.00	15.63	15.63	0.00	15.49	15.49	0.00	15.37	15.37	0.00
02728A	16.157	16.157	0.00	15.92	15.92	0.00	15.81	15.81	0.00	15.65	15.65	0.00	15.47	15.47	0.00
02728Y	16.197	16.197	0.00	16.08	16.08	0.00	16.03	16.03	0.00	16.01	16.01	0.00	15.98	15.98	0.00
02729	16.137	16.137	0.00	15.91	15.91	0.00	15.74	15.74	0.00	15.56	15.56	0.00	15.43	15.43	0.00
02730	15.371	15.371	0.00	15.06	15.06	0.00	14.69	14.69	0.00	14.39	14.39	0.00	13.99	13.99	0.00
02732	15.733	15.733	0.00	15.28	15.28	0.00	14.86	14.86	0.00	14.55	14.55	0.00	14.13	14.13	0.00
02740A	16.188	16.188	0.00	15.73	15.73	0.00	15.09	15.09	0.00	14.79	14.79	0.00	14.65	14.65	0.00
02740Y	15.925	15.925	0.00	15.54	15.54	0.00	15.06	15.06	0.00	14.76	14.76	0.00	14.33	14.33	0.00
02741A	16.201	16.201	0.00	15.99	15.99	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.27	15.27	0.00
02741C	16.213	16.213	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02741Y	16.21	16.21	0.00	15.99	15.99	0.00	15.73	15.73	0.00	15.48	15.48	0.00	14.60	14.60	0.00
02742	16.192	16.192	0.00	15.84	15.84	0.00	15.41	15.41	0.00	14.99	14.99	0.00	14.50	14.50	0.00
02742A	17.092	17.092	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02742B	17.095	17.095	0.00	16.99	16.99	0.00	16.91	16.91	0.00	16.90	16.90	0.00	16.90	16.90	0.00
02742C	17.102	17.102	0.00	17.00	17.00	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
02743	16.028	16.028	0.00	15.66	15.66	0.00	15.19	15.19	0.00	14.89	14.89	0.00	14.45	14.45	0.00
02750	16.071	16.071	0.00	15.78	15.78	0.00	15.38	15.38	0.00	15.08	15.08	0.00	14.65	14.65	0.00
02752A	16.217	16.217	0.00	16.00	16.00	0.00	15.75	15.75	0.00	15.52	15.52	0.00	15.26	15.26	0.00
02754	16.198	16.198	0.00	15.94	15.94	0.00	15.58	15.58	0.00	15.25	15.25	0.00	14.83	14.83	0.00
02755	16.223	16.223	0.00	16.00	16.00	0.00	15.72	15.72	0.00	15.45	15.45	0.00	15.07	15.07	0.00
02755A	16.656	16.656	0.00	16.63	16.63	0.00	16.61	16.61	0.00	16.60	16.60	0.00	16.58	16.58	0.00
02760	16.237	16.237	0.00	16.01	16.01	0.00	15.76	15.76	0.00	15.54	15.54	0.00	15.17	15.17	0.00
02761A	16.229	16.229	0.00	16.02	16.02	0.00	15.77	15.77	0.00	15.66	15.66	0.00	15.56	15.56	0.00
02761Y	16.245	16.245	0.00	16.05	16.05	0.00	15.95	15.95	0.00	15.86	15.86	0.00	15.62	15.62	0.00
02772	16.567	16.567	0.00	16.30	16.30	0.00	16.08	16.08	0.00	15.87	15.87	0.00	15.49	15.49	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02781	16.669	16.669	0.00	16.42	16.42	0.00	16.24	16.24	0.00	16.08	16.08	0.00	15.82	15.82	0.00
02781F	16.243	16.243	0.00	16.06	16.06	0.00	16.03	16.03	0.00	16.00	16.00	0.00	15.82	15.82	0.00
02782	16.776	16.776	0.00	16.62	16.62	0.00	16.41	16.41	0.00	16.26	16.26	0.00	15.96	15.96	0.00
02782F	17.416	17.416	0.00	17.39	17.39	0.00	17.36	17.36	0.00	17.35	17.35	0.00	17.33	17.33	0.00
02790	16.78	16.78	0.00	16.62	16.62	0.00	16.37	16.37	0.00	16.12	16.12	0.00	15.64	15.64	0.00
02792	16.783	16.783	0.00	16.63	16.63	0.00	16.38	16.38	0.00	16.16	16.16	0.00	15.69	15.69	0.00
02793	16.009	16.003	-0.01	15.61	15.60	-0.01	15.31	15.29	-0.02	14.94	14.90	-0.04	13.03	12.48	-0.55
02800	11.849	11.849	0.00	10.22	10.22	0.00	10.22	10.22	0.00	9.68	9.68	0.00	8.74	8.74	0.00
02805	11.319	11.319	0.00	11.24	11.24	0.00	11.18	11.18	0.00	11.13	11.13	0.00	11.08	11.08	0.00
02806	14.427	14.427	0.00	13.38	13.38	0.00	12.85	12.85	0.00	12.51	12.51	0.00	12.14	12.14	0.00
02810	14.251	14.251	0.00	13.70	13.70	0.00	13.35	13.35	0.00	13.09	13.09	0.00	12.79	12.79	0.00
02830	12.711	12.711	0.00	12.57	12.57	0.00	12.45	12.45	0.00	12.37	12.37	0.00	12.27	12.27	0.00
02850	8.233	8.233	0.00	7.96	7.96	0.00	7.80	7.80	0.00	7.68	7.68	0.00	7.55	7.55	0.00
02860A	13.993	13.993	0.00	13.57	13.57	0.00	13.19	13.19	0.00	12.91	12.91	0.00	12.64	12.64	0.00
02860Y	13.727	13.727	0.00	13.19	13.19	0.00	12.68	12.68	0.00	12.29	12.29	0.00	11.83	11.83	0.00
02900	1.444	1.446	0.00	1.44	1.44	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00
02900F	5.107	5.107	0.00	5.07	5.07	0.00	5.04	5.04	0.00	5.03	5.03	0.00	5.00	5.00	0.00
02901F	1.432	1.432	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.43	1.43	0.00	1.42	1.42	0.00
02910	1.684	1.685	0.00	1.61	1.61	0.00	1.55	1.55	0.00	1.51	1.52	0.00	1.48	1.48	0.00
02910A	2.797	2.797	0.00	2.74	2.74	0.00	2.70	2.70	0.00	2.67	2.67	0.00	2.64	2.64	0.00
02911	7.785	7.785	0.00	7.69	7.69	0.00	7.47	7.47	0.00	7.30	7.30	0.00	7.12	7.12	0.00
02920	6.4	6.4	0.00	5.91	5.91	0.00	5.34	5.34	0.00	4.91	4.91	0.00	4.46	4.46	0.00
02930A	10.022	10.022	0.00	9.64	9.64	0.00	9.42	9.42	0.00	9.27	9.27	0.00	9.10	9.10	0.00
02930Y	7.652	7.652	0.00	7.11	7.11	0.00	6.58	6.58	0.00	6.18	6.18	0.00	5.76	5.76	0.00
02931	8.019	8.019	0.00	7.91	7.91	0.00	7.84	7.84	0.00	7.77	7.77	0.00	7.52	7.52	0.00
02935	8.63	8.63	0.00	8.56	8.56	0.00	8.52	8.52	0.00	8.49	8.49	0.00	8.46	8.46	0.00
02940	8.208	8.208	0.00	7.42	7.42	0.00	6.75	6.75	0.00	6.29	6.29	0.00	5.82	5.82	0.00
02950A	13.057	13.057	0.00	12.40	12.40	0.00	12.26	12.26	0.00	12.17	12.17	0.00	12.11	12.11	0.00
02950B	14.998	14.998	0.00	14.94	14.94	0.00	14.89	14.89	0.00	14.86	14.86	0.00	14.82	14.82	0.00
02950Y	13.682	13.682	0.00	13.42	13.42	0.00	13.27	13.27	0.00	13.17	13.17	0.00	13.04	13.04	0.00
02960	2.111	2.111	0.00	1.85	1.85	0.00	1.71	1.71	0.00	1.63	1.63	0.00	1.57	1.57	0.00
02970	6.532	6.532	0.00	6.37	6.37	0.00	6.23	6.23	0.00	6.04	6.04	0.00	5.71	5.71	0.00
02980	8.499	8.499	0.00	8.45	8.45	0.00	8.42	8.42	0.00	8.40	8.40	0.00	8.37	8.37	0.00
03000	3.148	3.148	0.00	2.70	2.70	0.00	2.23	2.23	0.00	1.98	1.98	0.00	1.76	1.76	0.00
03000F	3.525	3.525	0.00	3.48	3.48	0.00	3.43	3.43	0.00	3.32	3.32	0.00	3.02	3.02	0.00
08681A	17.097	17.097	0.00	16.77	16.77	0.00	16.40	16.40	0.00	16.10	16.10	0.00	15.76	15.76	0.00
08681B	17.075	17.075	0.00	16.99	16.99	0.00	16.92	16.92	0.00	16.85	16.85	0.00	16.78	16.78	0.00
08681Y	16.963	16.963	0.00	16.74	16.74	0.00	16.64	16.64	0.00	16.58	16.58	0.00	16.29	16.29	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
GULF4	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.854	14.854	0.00	14.79	14.79	0.00	14.74	14.74	0.00	14.69	14.69	0.00	14.62	14.62	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
N00205	11.226	11.215	-0.01	11.00	10.99	-0.02	10.82	10.81	-0.02	10.66	10.63	-0.03	10.33	10.29	-0.04
N00211	10.576	10.57	-0.01	10.41	10.40	-0.01	10.27	10.26	-0.01	10.17	10.16	-0.01	10.09	10.09	-0.01
N00230	13.487	13.486	0.00	13.44	13.44	0.00	13.39	13.39	0.00	13.23	13.22	-0.02	12.85	12.83	-0.03
N00235	13.197	13.17	-0.03	12.95	12.91	-0.03	12.75	12.72	-0.04	12.60	12.57	-0.04	12.41	12.37	-0.04
N00237	13.373	13.346	-0.03	13.12	13.08	-0.03	12.91	12.88	-0.03	12.76	12.73	-0.03	12.58	12.54	-0.03
N00255	14.054	14.04	-0.01	13.99	13.98	0.00	13.97	13.96	-0.01	13.95	13.95	-0.01	13.94	13.92	-0.01
N00515	6.158	6.152	-0.01	6.08	6.08	0.00	6.05	6.05	0.00	6.03	6.03	0.00	6.00	6.00	0.00
N00518	6.283	6.248	-0.04	6.09	6.06	-0.03	5.93	5.90	-0.03	5.88	5.88	0.00	5.85	5.85	0.00
N00828	14.801	14.801	0.00	14.75	14.75	0.00	14.72	14.72	0.00	14.71	14.71	0.00	14.69	14.69	0.00
N00829	14.603	14.603	0.00	14.54	14.54	0.00	14.49	14.49	0.00	14.42	14.42	0.00	14.10	14.10	0.00
N00837	13.825	13.825	0.00	13.30	13.30	0.00	13.04	13.04	0.00	12.88	12.88	0.00	12.70	12.70	0.00
N00850	13.649	13.649	0.00	13.56	13.56	0.00	13.49	13.49	0.00	13.42	13.42	0.00	13.32	13.32	0.00
N00851	13	13	0.00	12.85	12.85	0.00	12.73	12.73	0.00	12.65	12.65	0.00	12.57	12.57	0.00
N00853	15.755	15.755	0.00	15.62	15.62	0.00	15.51	15.51	0.00	15.37	15.37	0.00	15.00	15.00	0.00
N00853A	16.702	16.702	0.00	16.51	16.51	0.00	16.40	16.40	0.00	16.33	16.33	0.00	16.29	16.29	0.00
N00853B	16.698	16.698	0.00	16.49	16.49	0.00	16.31	16.31	0.00	16.17	16.17	0.00	16.01	16.01	0.00
N00853C	16.844	16.844	0.00	16.83	16.83	0.00	16.81	16.81	0.00	16.81	16.81	0.00	16.79	16.79	0.00
N00853D	16.746	16.746	0.00	16.73	16.73	0.00	16.72	16.72	0.00	16.71	16.71	0.00	16.70	16.70	0.00
N00853E	16.447	16.447	0.00	16.43	16.43	0.00	16.42	16.42	0.00	16.42	16.42	0.00	16.41	16.41	0.00
N00856	16.237	16.237	0.00	15.85	15.85	0.00	15.59	15.59	0.00	15.38	15.38	0.00	15.00	15.00	0.00
N00857	15.003	15.003	0.00	14.89	14.89	0.00	14.77	14.77	0.00	14.39	14.39	0.00	13.69	13.69	0.00
N00860	15.082	15.082	0.00	15.05	15.05	0.00	15.01	15.01	0.00	14.77	14.77	0.00	14.31	14.31	0.00
N00863	15.033	15.033	0.00	14.91	14.91	0.00	14.79	14.79	0.00	14.66	14.66	0.00	14.58	14.58	0.00
N00865	15.23	15.23	0.00	15.15	15.15	0.00	15.07	15.07	0.00	14.87	14.87	0.00	14.36	14.36	0.00
N00903	11.044	11.044	0.00	10.93	10.93	0.00	10.85	10.85	0.00	10.79	10.79	0.00	10.71	10.71	0.00
N00905	12.857	12.857	0.00	12.80	12.80	0.00	12.76	12.76	0.00	12.72	12.72	0.00	12.69	12.69	0.00
N00910	11.127	11.127	0.00	11.10	11.10	0.00	11.08	11.08	0.00	11.06	11.06	0.00	11.05	11.05	0.00
N00914	10.329	10.329	0.00	10.22	10.22	0.00	10.15	10.15	0.00	10.09	10.09	0.00	10.01	10.01	0.00
N00930	12.126	12.126	0.00	11.83	11.83	0.00	11.69	11.69	0.00	11.57	11.57	0.00	11.41	11.41	0.00
N00940	11.931	11.931	0.00	11.68	11.68	0.00	11.53	11.53	0.00	11.43	11.43	0.00	11.30	11.30	0.00
N01015	11.339	11.339	0.00	11.26	11.26	0.00	11.20	11.20	0.00	11.16	11.16	0.00	11.10	11.10	0.00
N01020	11.475	11.475	0.00	11.42	11.42	0.00	11.39	11.39	0.00	11.37	11.37	0.00	11.34	11.34	0.00
N01022	11.453	11.453	0.00	11.41	11.41	0.00	11.38	11.38	0.00	11.36	11.36	0.00	11.33	11.33	0.00
N01401	6.689	6.684	0.00	6.63	6.62	-0.02	6.58	6.52	-0.06	6.48	5.93	-0.55	5.81	5.41	-0.40
N01463	13.568	13.569	0.00	13.54	13.55	0.00	13.53	13.53	0.01	13.51	13.52	0.01	13.49	13.50	0.01
N01468	14.085	14.046	-0.04	13.93	13.87	-0.06	13.86	13.82	-0.04	13.82	13.78	-0.04	13.79	13.74	-0.04

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01824	15.002	15.002	0.00	14.84	14.84	0.00	14.68	14.68	0.00	14.39	14.39	0.00	13.97	13.97	0.00
N01826	14.039	14.039	0.00	13.80	13.80	0.00	13.62	13.62	0.00	13.45	13.45	0.00	13.43	13.43	0.00
N01830	14.324	14.324	0.00	14.06	14.06	0.00	13.88	13.88	0.00	13.64	13.64	0.00	13.32	13.32	0.00
N01832	15.407	15.407	0.00	14.97	14.97	0.00	14.41	14.41	0.00	14.05	14.05	0.00	13.75	13.75	0.00
N01833	15.665	15.665	0.00	15.48	15.48	0.00	15.38	15.38	0.00	15.28	15.28	0.00	15.15	15.15	0.00
N01834	15.649	15.649	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.60	15.60	0.00	15.59	15.59	0.00
N01835	14.718	14.718	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01836	14.718	14.718	0.00	14.48	14.48	0.00	14.23	14.23	0.00	14.13	14.13	0.00	14.11	14.11	0.00
N01837	15.211	15.211	0.00	14.90	14.90	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.48	14.48	0.00
N01838	14.724	14.724	0.00	14.48	14.48	0.00	14.24	14.24	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01839	14.719	14.719	0.00	14.48	14.48	0.00	14.23	14.23	0.00	13.97	13.97	0.00	13.53	13.53	0.00
N01841	14.282	14.282	0.00	14.03	14.03	0.00	13.87	13.87	0.00	13.63	13.63	0.00	13.21	13.21	0.00
N01843	15.367	15.367	0.00	15.33	15.33	0.00	15.30	15.30	0.00	15.28	15.28	0.00	15.25	15.25	0.00
N01844	14.812	14.812	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.60	14.60	0.00	14.56	14.56	0.00
N01845	14.044	14.044	0.00	13.81	13.81	0.00	13.70	13.70	0.00	13.63	13.63	0.00	13.28	13.28	0.00
N01846	14.716	14.716	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01846A	14.715	14.715	0.00	14.47	14.47	0.00	14.35	14.35	0.00	14.34	14.34	0.00	14.32	14.32	0.00
N01847	14.714	14.714	0.00	14.47	14.47	0.00	14.23	14.23	0.00	13.96	13.96	0.00	13.52	13.52	0.00
N01847_A	14.69	14.69	0.00	14.46	14.46	0.00	14.22	14.22	0.00	13.95	13.95	0.00	13.50	13.50	0.00
N01847A	14.716	14.716	0.00	14.47	14.47	0.00	14.25	14.25	0.00	14.13	14.13	0.00	14.05	14.05	0.00
N01848	14.719	14.719	0.00	14.48	14.48	0.00	14.29	14.29	0.00	14.03	14.03	0.00	13.86	13.86	0.00
N01848A	14.718	14.718	0.00	14.52	14.52	0.00	14.50	14.50	0.00	14.49	14.49	0.00	14.48	14.48	0.00
N01848B	14.636	14.636	0.00	14.44	14.44	0.00	14.21	14.21	0.00	13.94	13.94	0.00	13.49	13.49	0.00
N0184B	14.716	14.716	0.00	14.47	14.47	0.00	14.23	14.23	0.00	14.19	14.19	0.00	14.14	14.14	0.00
N01851	14.756	14.756	0.00	14.68	14.68	0.00	14.58	14.58	0.00	14.37	14.37	0.00	13.96	13.96	0.00
N01852	13.431	13.431	0.00	13.33	13.33	0.00	13.20	13.20	0.00	13.11	13.11	0.00	12.88	12.88	0.00
N01856	14.812	14.812	0.00	14.76	14.76	0.00	14.68	14.68	0.00	14.40	14.40	0.00	13.90	13.90	0.00
N01861	15.348	15.348	0.00	15.29	15.29	0.00	15.25	15.25	0.00	15.21	15.21	0.00	15.06	15.06	0.00
N01862	15.073	15.073	0.00	14.59	14.59	0.00	14.16	14.16	0.00	13.87	13.87	0.00	13.64	13.64	0.00
N01863	15.308	15.308	0.00	15.26	15.26	0.00	15.22	15.22	0.00	15.17	15.17	0.00	14.99	14.99	0.00
N01864	15.081	15.081	0.00	15.00	15.00	0.00	14.94	14.94	0.00	14.90	14.90	0.00	14.83	14.83	0.00
N01873	16.917	16.917	0.00	16.85	16.85	0.00	16.80	16.80	0.00	16.72	16.72	0.00	16.41	16.41	0.00
N02210	14.785	14.785	0.00	14.72	14.72	0.00	14.68	14.68	0.00	14.64	14.64	0.00	14.61	14.61	0.00
N02286	15.318	15.311	-0.01	15.23	15.21	-0.02	15.14	15.07	-0.07	15.02	14.84	-0.18	14.83	14.51	-0.32
N02289	15.664	15.664	0.00	15.64	15.64	0.00	15.63	15.63	0.00	15.62	15.62	0.00	15.61	15.61	0.00
N02320	13.829	13.829	0.00	13.67	13.67	0.00	13.21	13.21	0.00	12.93	12.93	0.00	12.73	12.73	0.00
N02528	16.071	16.071	0.00	15.85	15.85	0.00	15.73	15.73	0.00	15.59	15.59	0.00	15.32	15.32	0.00
N02715	15.49	15.49	0.00	15.29	15.29	0.00	15.11	15.11	0.00	15.01	15.01	0.00	14.92	14.92	0.00
N02735	16.761	16.761	0.00	16.68	16.68	0.00	16.62	16.62	0.00	16.56	16.56	0.00	16.45	16.45	0.00
N02781	16.705	16.705	0.00	16.63	16.63	0.00	16.57	16.57	0.00	16.50	16.50	0.00	16.27	16.27	0.00
N02784	17.108	17.108	0.00	17.08	17.08	0.00	17.05	17.05	0.00	17.04	17.04	0.00	17.01	17.01	0.00
N02814	15.451	15.451	0.00	15.24	15.24	0.00	15.06	15.06	0.00	14.95	14.95	0.00	14.86	14.86	0.00
N02830	15.252	15.252	0.00	15.16	15.16	0.00	15.00	15.00	0.00	14.79	14.79	0.00	14.52	14.52	0.00
N02850	11.511	11.511	0.00	8.71	8.71	0.00	8.18	8.18	0.00	8.04	8.04	0.00	7.85	7.85	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 24-HR			25-YR 24-HR			10-YR 24-HR			5-YR 24-HR			2-YR 24-HR		
Node Name	ECM SLR	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N02852	13.989	13.989	0.00	13.94	13.94	0.00	13.90	13.90	0.00	13.86	13.86	0.00	13.82	13.82	0.00
N02905	3.438	3.438	0.00	3.37	3.37	0.00	3.33	3.33	0.00	3.30	3.30	0.00	3.26	3.26	0.00
RB1420	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00	1.42	1.42	0.00
John Nolen Park	-	13.529	-	-	13.18	-	-	12.93	-	-	12.76	-	-	12.56	-
Venezia Park	-	14.737	-	-	14.64	-	-	14.29	-	-	13.89	-	-	13.51	-
Prentiss French Park	-	8.726	-	-	8.41	-	-	8.15	-	-	7.97	-	-	7.73	-
Parking Storage	-	11.633	-	-	11.23	-	-	9.09	-	-	8.10	-	-	7.68	-

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00100	8.22	8.185	-0.04	7.35	7.27	-0.09
00100A	9.636	9.626	-0.01	9.37	9.33	-0.04
00100B	9.668	9.657	-0.01	9.39	9.35	-0.04
00100C	9.703	9.692	-0.01	9.40	9.37	-0.04
00200	9.725	9.714	-0.01	9.41	9.38	-0.04
00200A	6.207	6.206	0.00	6.09	6.08	-0.01
00204	10.163	10.148	-0.02	9.82	9.79	-0.03
00210	10.462	10.448	-0.01	10.17	10.15	-0.03
00212	11.581	11.558	-0.02	11.31	11.28	-0.03
00215	12.1	12.098	0.00	11.99	11.98	0.00
00216	11.783	11.754	-0.03	11.48	11.45	-0.03
00217	11.959	11.927	-0.03	11.65	11.62	-0.03
00220	12.172	12.137	-0.04	11.86	11.83	-0.03
00221	12.451	12.416	-0.04	12.15	12.12	-0.04
00231	13.331	13.25	-0.08	13.23	13.12	-0.11
00232	13.635	13.527	-0.11	13.55	13.39	-0.15
00233	12.954	12.925	-0.03	12.70	12.67	-0.03
00234	12.778	12.774	0.00	12.67	12.66	-0.01
00236	13.589	13.586	0.00	13.51	13.51	-0.01
00240	13.401	13.365	-0.04	13.12	13.09	-0.03
00241	13.897	13.895	0.00	13.81	13.80	0.00
00242	13.583	13.544	-0.04	13.31	13.28	-0.03
00250	13.898	13.857	-0.04	13.65	13.62	-0.03
00251	13.685	13.681	0.00	13.62	13.61	-0.01
00252	14.653	14.653	0.00	14.57	14.57	0.00
00300	8.726	8.726	0.00	8.68	8.68	0.00
00301	9.731	9.731	0.00	9.57	9.57	0.00
00400	8.715	8.715	0.00	8.64	8.64	0.00
00401	8.707	8.707	0.00	8.64	8.64	0.00
00500	3.104	3.06	-0.04	2.46	2.42	-0.04
00501	3.169	3.122	-0.05	2.51	2.47	-0.04
00502	3.616	3.559	-0.06	2.94	2.89	-0.06
00510	5.124	5.091	-0.03	4.58	4.45	-0.13
00511	9.798	9.791	-0.01	8.74	8.73	-0.01
00513	6.723	6.675	-0.05	6.00	5.78	-0.22
00516	7.379	7.31	-0.07	6.56	6.36	-0.21
00520	9.831	9.804	-0.03	9.55	9.49	-0.06
00521	10.472	10.45	-0.02	10.29	10.26	-0.03
00522	11.389	11.353	-0.04	11.07	11.01	-0.05
00530	12.423	12.402	-0.02	12.15	12.09	-0.06
00530x	12.03	12.008	-0.02	11.82	11.77	-0.04

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00531	12.678	12.651	-0.03	12.54	12.50	-0.04
00532	13.472	13.461	-0.01	13.36	13.34	-0.02
00533	13.482	13.47	-0.01	13.37	13.34	-0.02
00537	13.562	13.743	0.18	13.45	13.60	0.15
00538	14.457	14.441	-0.02	14.40	14.36	-0.05
00539	14.54	14.536	0.00	14.48	14.46	-0.02
00540	14.022	13.969	-0.05	13.96	13.88	-0.09
00541A	14.134	14.085	-0.05	14.08	13.98	-0.10
00541Y	14.41	14.336	-0.07	14.36	14.17	-0.19
00542	14.735	14.752	0.02	14.69	14.70	0.01
00543	14.893	14.891	0.00	14.83	14.81	-0.03
00544	15.608	15.608	0.00	15.58	15.58	0.00
00545	15.071	15.028	-0.04	15.00	14.86	-0.14
00546	13.651	13.643	-0.01	13.55	13.53	-0.02
00547	13.664	13.657	-0.01	13.56	13.54	-0.02
00548	14.505	14.484	-0.02	14.48	14.44	-0.04
00560	13.51	13.487	-0.02	13.07	12.98	-0.09
00561	13.526	13.503	-0.02	13.09	13.01	-0.08
00562	13.803	13.784	-0.02	13.55	13.51	-0.03
00563	14.086	14.078	-0.01	13.93	13.92	-0.02
00564	15.021	15.018	0.00	14.58	14.55	-0.03
00565	15.513	15.499	-0.01	15.02	14.98	-0.03
00571	13.97	13.944	-0.03	13.48	13.40	-0.09
00572	14.247	14.23	-0.02	13.95	13.89	-0.06
00574	14.691	14.672	-0.02	14.44	14.38	-0.06
005741	14.687	14.669	-0.02	14.43	14.37	-0.06
00574F	14.752	14.732	-0.02	14.51	14.46	-0.05
00575	14.748	14.728	-0.02	14.50	14.45	-0.05
00575B	14.748	14.727	-0.02	14.50	14.45	-0.05
00576	15.502	15.486	-0.02	15.03	15.00	-0.04
00577	15.567	15.553	-0.01	15.12	15.09	-0.03
00580	16.347	16.347	0.00	16.28	16.28	0.00
00581	15.775	15.766	-0.01	15.38	15.35	-0.02
00582	16.185	16.176	-0.01	15.60	15.57	-0.02
00583	16.253	16.245	-0.01	15.63	15.61	-0.02
00584	15.807	15.801	-0.01	15.52	15.50	-0.02
00585	15.811	15.805	-0.01	15.61	15.60	-0.01
00586	15.781	15.78	0.00	15.68	15.68	0.00
00600	8.151	8.151	0.00	8.13	8.13	0.00
00601	9.675	9.675	0.00	9.42	9.42	0.00
00700	8.704	8.704	0.00	8.67	8.67	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00701	10.807	10.807	0.00	10.67	10.67	0.00
00800	6.889	6.888	0.00	6.05	6.05	0.00
00800A	11.003	11.003	0.00	10.93	10.93	0.00
00800x	4.444	4.443	0.00	3.60	3.60	0.00
00802	7.911	7.911	0.00	7.04	7.04	0.00
00805A	11.401	11.401	0.00	11.37	11.37	0.00
00811	9.154	9.153	0.00	8.07	8.07	0.00
00812A	13.059	13.059	0.00	12.99	12.99	0.00
00812Y	12.888	12.888	0.00	12.17	12.17	0.00
00813	9.2	9.199	0.00	8.14	8.14	0.00
00821	10.312	10.311	0.00	8.80	8.80	0.00
00823	10.392	10.391	0.00	8.96	8.96	0.00
00824	10.475	10.474	0.00	9.20	9.20	0.00
00825	13.88	13.88	0.00	13.63	13.63	0.00
00827A	14.13	14.13	0.00	13.92	13.92	0.00
00827B	14.271	14.271	0.00	14.04	14.04	0.00
00827C	14.263	14.263	0.00	14.03	14.03	0.00
00827D	14.521	14.521	0.00	14.42	14.42	0.00
00827F	14.514	14.514	0.00	14.42	14.42	0.00
00827Y	14.986	14.986	0.00	14.88	14.88	0.00
00828	14.327	14.327	0.00	14.05	14.05	0.00
00829A	14.624	14.624	0.00	14.44	14.44	0.00
00829Y	15.184	15.184	0.00	15.10	15.10	0.00
00830	9.409	9.409	0.00	8.38	8.38	0.00
00831	11.412	11.412	0.00	11.37	11.37	0.00
00833	9.494	9.493	0.00	8.47	8.47	0.00
008331	9.524	9.524	0.00	8.51	8.51	0.00
00834	11.853	11.853	0.00	11.62	11.62	0.00
00835A	12.125	12.125	0.00	11.92	11.92	0.00
00840	10.497	10.497	0.00	10.03	10.03	0.00
00841	12.201	12.2	0.00	12.01	12.01	0.00
00841b	10.853	10.853	0.00	10.44	10.44	0.00
00842	12.924	12.924	0.00	12.82	12.82	0.00
00843	13.3	13.299	0.00	13.14	13.14	0.00
00843b	12.399	12.398	0.00	12.21	12.21	0.00
00843F	14.084	14.084	0.00	14.06	14.06	0.00
00844	13.905	13.905	0.00	13.76	13.76	0.00
00844F	13.462	13.462	0.00	13.33	13.33	0.00
00845	13.367	13.365	0.00	13.27	13.27	0.00
00851Y	14.881	14.881	0.00	14.73	14.73	0.00
00852A	15.36	15.36	0.00	15.22	15.22	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
00852Y	14.967	14.967	0.00	14.83	14.83	0.00
00854A	16.697	16.697	0.00	16.66	16.66	0.00
00854Y	15.98	15.98	0.00	15.77	15.76	0.00
00861	14.706	14.706	0.00	14.18	14.18	0.00
00862	14.929	14.929	0.00	14.59	14.59	0.00
00864	15.32	15.32	0.00	15.27	15.27	0.00
00865	15.316	15.316	0.00	15.27	15.27	0.00
00866B	15.386	15.386	0.00	15.35	15.35	0.00
00866Y	15.352	15.352	0.00	15.30	15.30	0.00
00867A	16.588	16.588	0.00	16.54	16.54	0.00
00867Y	16.159	16.159	0.00	16.13	16.13	0.00
00868	16.686	16.686	0.00	16.60	16.60	0.00
00869F	17.338	17.338	0.00	17.24	17.24	0.00
00870A	15.345	15.345	0.00	15.29	15.29	0.00
00870Y	15.331	15.331	0.00	15.28	15.28	0.00
00871A	15.535	15.535	0.00	15.49	15.49	0.00
00871B	15.384	15.384	0.00	15.33	15.33	0.00
00871F	15.463	15.463	0.00	15.39	15.39	0.00
00871G	15.352	15.352	0.00	15.30	15.30	0.00
00871H	15.327	15.327	0.00	15.28	15.28	0.00
00871Y	15.439	15.439	0.00	15.38	15.38	0.00
00872A	15.292	15.292	0.00	15.22	15.22	0.00
00872F	15.299	15.299	0.00	15.23	15.23	0.00
00880	15.974	15.974	0.00	15.76	15.76	0.00
00880F	16.044	16.044	0.00	15.88	15.88	0.00
00881	15.977	15.977	0.00	15.77	15.77	0.00
00883	15.847	15.847	0.00	15.72	15.72	0.00
00884A	15.843	15.843	0.00	15.72	15.72	0.00
00884B	15.255	15.255	0.00	15.14	15.14	0.00
00900	6.119	6.119	0.00	5.55	5.55	0.00
00900A	11.5	11.5	0.00	11.41	11.41	0.00
00910	11.486	11.486	0.00	11.34	11.34	0.00
00920	11.812	11.811	0.00	11.59	11.59	0.00
01000	8.961	8.947	-0.01	8.51	8.50	-0.01
01005	8.996	8.975	-0.02	8.56	8.52	-0.04
01020	9.588	9.528	-0.06	9.43	8.96	-0.47
01020R	10.281	10.281	0.00	10.21	10.21	0.00
01100	8.958	8.935	-0.02	8.50	8.48	-0.02
01100F	8.956	8.933	-0.02	8.50	8.48	-0.02
01100G	8.953	8.93	-0.02	8.49	8.47	-0.02
01100H	8.708	8.698	-0.01	8.44	8.42	-0.02

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01100I	8.284	8.284	0.00	8.24	8.24	0.00
01100J	8.955	8.933	-0.02	8.50	8.49	-0.02
01100X	8.956	8.933	-0.02	8.50	8.48	-0.02
01200	2.905	2.113	-0.79	2.44	1.75	-0.69
01201	3.259	3.205	-0.05	2.94	2.63	-0.31
01201F	4.109	4.109	0.00	4.09	4.09	0.00
01202	2.286	2.228	-0.06	1.90	1.80	-0.10
01203	4.052	3.976	-0.08	3.52	3.22	-0.30
01220F	5.72	5.72	0.00	5.66	5.66	0.00
01220G	5.554	5.554	0.00	5.53	5.53	0.00
01221	4.05	3.974	-0.08	3.52	3.22	-0.31
01222	5.676	5.573	-0.10	4.14	3.67	-0.48
01223	5.676	5.577	-0.10	4.15	3.74	-0.41
01224	5.68	5.58	-0.10	4.18	3.84	-0.34
01225	5.798	5.701	-0.10	4.57	4.26	-0.32
01226	6.615	6.462	-0.15	5.28	5.04	-0.25
01227	7.171	6.976	-0.20	5.76	5.55	-0.20
01228	7.718	7.473	-0.25	6.22	6.10	-0.12
01229	8.713	8.338	-0.38	7.13	6.95	-0.17
01230	8.203	8.167	-0.04	7.25	7.02	-0.23
01231	8.521	8.303	-0.22	7.22	7.07	-0.14
01232	8.192	8.158	-0.03	7.36	7.27	-0.09
01233	8.222	8.187	-0.04	7.36	7.27	-0.09
01234	8.222	8.187	-0.04	7.36	7.27	-0.09
01300	2.741	2.741	0.00	2.13	2.13	0.00
01400	4.367	4.259	-0.11	3.87	3.83	-0.04
01401	6.128	5.935	-0.19	5.26	5.18	-0.08
01402	6.196	6.006	-0.19	5.36	5.28	-0.08
01403	6.913	6.658	-0.26	5.90	5.80	-0.10
01410	8.411	8.105	-0.31	7.10	6.97	-0.12
01411	8.812	8.519	-0.29	7.41	7.22	-0.19
01412	8.986	8.884	-0.10	8.39	8.03	-0.35
01413	8.992	8.889	-0.10	8.41	8.20	-0.21
01414	9.745	8.045	-1.70	9.69	6.83	-2.86
01415	8.99	8.889	-0.10	8.41	8.20	-0.21
01416	8.992	8.892	-0.10	8.41	8.20	-0.21
01417	8.998	8.898	-0.10	8.41	8.20	-0.21
01420	8.974	8.868	-0.11	7.92	7.83	-0.09
01421	8.868	8.764	-0.10	8.65	8.28	-0.37
01422	8.853	8.756	-0.10	8.67	8.44	-0.23
01430	9.02	8.93	-0.09	8.53	8.50	-0.03

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01431	9.022	8.933	-0.09	8.55	8.52	-0.03
01432	9.021	8.929	-0.09	8.61	8.59	-0.02
01433	9.025	8.933	-0.09	8.62	8.60	-0.02
01440	9.042	8.958	-0.08	8.65	8.63	-0.02
01441	9.036	8.951	-0.08	8.65	8.63	-0.02
01442	9.155	9.136	-0.02	8.98	8.97	-0.02
01450	9.177	9.169	-0.01	9.04	9.02	-0.01
01451	9.07	8.995	-0.08	8.81	8.80	-0.01
01452	10.548	10.538	-0.01	10.42	10.40	-0.01
01453	10.726	10.713	-0.01	10.58	10.56	-0.02
01454	12.589	12.57	-0.02	12.45	12.42	-0.03
01460	12.065	12.064	0.00	11.98	11.98	0.00
01461	12.427	12.427	0.00	12.40	12.39	0.00
01462	12.754	12.754	0.00	12.72	12.72	0.00
01463	13.176	13.177	0.00	13.12	13.11	-0.01
01463F	13.577	13.586	0.01	13.55	13.56	0.02
01463G	13.575	13.584	0.01	13.54	13.56	0.02
01464	13.418	13.39	-0.03	13.31	13.26	-0.06
01465	13.845	13.864	0.02	13.79	13.81	0.02
01466	12.722	12.722	0.00	12.69	12.69	0.00
01500	5.194	4.971	-0.22	5.05	4.72	-0.33
01501	5.203	4.986	-0.22	5.06	4.74	-0.32
01502	5.22	4.99	-0.23	5.07	4.74	-0.33
01503	5.493	5.334	-0.16	5.29	5.05	-0.24
01504	5.197	4.975	-0.22	5.05	4.72	-0.33
01510	6.19	6.05	-0.14	6.14	5.58	-0.56
01520	7.659	7.108	-0.55	7.58	6.43	-1.15
01530	8.251	7.535	-0.72	7.90	6.79	-1.11
01531	7.065	7.003	-0.06	6.94	6.90	-0.04
01532	6.949	6.943	-0.01	6.90	6.87	-0.02
01540	8.847	8.75	-0.10	8.67	8.44	-0.23
01541	8.849	8.753	-0.10	8.67	8.44	-0.23
01550	8.852	8.756	-0.10	8.67	8.44	-0.23
01551	8.851	8.753	-0.10	8.67	8.44	-0.23
01552	8.857	8.757	-0.10	8.67	8.44	-0.23
01552F	11.207	11.207	0.00	11.17	11.17	0.00
01553	9.362	9.36	0.00	9.29	9.29	0.00
01600	6.178	6.178	0.00	4.80	4.80	0.00
01601	2.932	2.932	0.00	2.23	2.23	0.00
01700	6.008	5.436	-0.57	5.28	4.90	-0.38
01701	5.749	5.088	-0.66	4.29	3.76	-0.53

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01710	8.758	8.587	-0.17	7.67	7.51	-0.15
01711	8.75	8.456	-0.29	7.78	7.53	-0.25
01712	7.685	7.773	0.09	7.56	7.53	-0.03
01713	10.071	8.096	-1.98	10.03	7.68	-2.35
01720	9.683	9.66	-0.02	9.34	9.28	-0.05
01730	11.01	11.009	0.00	10.91	10.91	0.00
01740	13.135	13.136	0.00	13.07	13.08	0.00
01741	14.121	14.121	0.00	14.08	14.08	0.00
01742	14.287	14.287	0.00	14.16	14.16	0.00
01750	13.694	13.697	0.00	13.63	13.64	0.00
01751	13.753	13.757	0.00	13.69	13.70	0.01
01752	13.773	13.827	0.05	13.69	13.77	0.08
01760	13.912	13.91	0.00	13.82	13.82	0.00
01761	14.097	14.097	0.00	14.04	14.04	0.00
01762	13.808	13.807	0.00	13.77	13.77	0.00
01770	13.961	13.954	-0.01	13.84	13.84	-0.01
01800	8.164	6.593	-1.57	5.43	4.08	-1.35
01810	10.354	10.27	-0.08	7.27	7.27	0.00
01820	10.411	10.337	-0.07	7.62	6.20	-1.42
01824F	15.009	15.009	0.00	14.92	14.92	0.00
01824G	15.17	15.17	0.00	15.07	15.07	0.00
01830	10.89	10.817	-0.07	8.38	6.94	-1.44
01831A	14.711	14.711	0.00	14.47	14.47	0.00
01834F	15.627	15.627	0.00	15.50	15.50	0.00
01837F	14.736	14.736	0.00	14.48	14.48	0.00
01840	11.837	11.766	-0.07	9.91	9.34	-0.57
01848	14.882	14.882	0.00	14.81	14.81	0.00
01850	12.083	12.06	-0.02	11.58	11.58	-0.01
01853D	16.105	16.105	0.00	16.09	16.09	0.00
01853F	17.064	17.064	0.00	17.03	17.03	0.00
01855A	15.784	15.784	0.00	15.77	15.77	0.00
01856F	16.209	16.209	0.00	16.20	16.20	0.00
01860	12.109	12.088	-0.02	11.70	11.69	-0.01
01870	12.121	12.1	-0.02	11.71	11.70	-0.01
01880	12.214	12.198	-0.02	11.95	11.94	-0.01
01900	5.696	5.691	0.00	5.44	5.44	0.00
01901	6.942	6.935	-0.01	6.49	6.48	0.00
01902	7.729	7.718	-0.01	7.20	7.19	0.00
01911	7.733	7.722	-0.01	7.20	7.20	0.00
01920	8.777	8.665	-0.11	8.10	8.09	-0.01
01921	9.976	9.639	-0.34	9.08	9.08	-0.01

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
01930	11.192	11.021	-0.17	10.53	10.52	-0.01
01940	12.126	12.107	-0.02	11.71	11.71	-0.01
01950	12.129	12.11	-0.02	11.72	11.71	-0.01
01953	12.137	12.118	-0.02	11.74	11.73	-0.01
01954	12.203	12.188	-0.01	11.95	11.95	0.00
02000	8.892	8.892	0.00	8.73	8.73	0.00
02001	7.472	7.472	0.00	7.35	7.35	0.00
02100	8.333	7.25	-1.08	3.00	3.00	0.00
02110	9.608	9.103	-0.51	6.85	6.85	0.00
02130	10.7	10.624	-0.08	7.78	7.78	0.00
02150	10.179	9.942	-0.24	7.05	7.05	0.00
02160	10.808	10.785	-0.02	7.84	7.84	0.00
02170	10.805	10.782	-0.02	7.83	7.83	0.00
02200	12.774	12.774	0.00	12.70	12.70	0.00
02200A	9.727	9.727	0.00	9.50	9.50	0.00
02200x	12.345	12.341	0.00	12.21	12.21	0.00
02200x1	9.429	9.423	-0.01	8.92	8.92	0.00
02200Y	11.84	11.84	0.00	11.78	11.78	0.00
02200Z	6.5	6.497	0.00	6.06	6.06	0.00
02202A	14.516	14.516	0.00	14.47	14.47	0.00
02202Y	12.017	12.017	0.00	11.49	11.49	0.00
02202YA	12.899	12.899	0.00	12.52	12.52	0.00
02202YB	10.969	10.969	0.00	10.32	10.32	0.00
02203	11.75	11.75	0.00	11.00	11.00	0.00
02220	9.924	9.919	0.00	9.81	9.81	0.00
02221A	12.966	12.966	0.00	12.95	12.95	0.00
02222	11.741	11.741	0.00	11.69	11.69	0.00
02223	14.175	14.175	0.00	13.31	13.31	0.00
02230	14.911	14.911	0.00	14.08	14.08	0.00
02240	15.215	15.215	0.00	13.88	13.88	0.00
02250	12.163	12.152	-0.01	11.57	11.56	-0.01
02250B	12.793	12.793	0.00	12.69	12.69	0.00
02250C	11.43	11.43	0.00	11.43	11.43	0.00
02252	12.466	12.465	0.00	12.33	12.33	0.00
02253	12.381	12.379	0.00	12.25	12.25	0.00
02254A	12.528	12.528	0.00	12.42	12.42	0.00
02254Y	12.153	12.141	-0.01	12.06	12.06	0.00
02260	12.227	12.213	-0.01	11.78	11.78	-0.01
02261	12.208	12.194	-0.01	11.78	11.77	-0.01
02270	12.415	12.41	0.00	12.24	12.24	0.00
02271	12.475	12.472	0.00	12.38	12.38	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02271F	13.279	13.274	-0.01	13.13	13.12	-0.01
02272	12.692	12.689	0.00	12.51	12.51	0.00
02273	13.622	13.619	0.00	13.06	13.06	-0.01
02274	14.504	14.503	0.00	13.60	13.59	-0.01
02280	13.145	13.14	0.00	13.03	13.03	-0.01
02281A	13.791	13.791	0.00	13.75	13.75	0.00
02281Y	13.435	13.429	-0.01	13.33	13.32	-0.01
02282A	14.282	14.273	-0.01	14.06	14.04	-0.02
02282B	14.356	14.339	-0.02	14.18	14.14	-0.04
02282Y	14.03	14.018	-0.01	13.90	13.88	-0.02
02283	15.063	15.036	-0.03	14.96	14.89	-0.07
02284	14.696	14.696	0.00	14.60	14.60	0.00
02285A	14.922	14.922	0.00	14.89	14.89	0.00
02290	3	3	0.00	3.00	3.00	0.00
02292	11.311	11.31	0.00	10.68	10.68	0.00
02292A	11.196	11.195	0.00	10.61	10.60	0.00
02294	13.4	13.4	0.00	13.35	13.35	0.00
02294x	11.456	11.455	0.00	10.71	10.71	0.00
02297	13.256	13.256	0.00	13.17	13.17	0.00
02298	12.198	12.19	-0.01	12.12	12.12	0.00
02298n1	12.769	12.769	0.00	12.68	12.68	0.00
02300	8.05	8.05	0.00	7.94	7.94	0.00
02301	9.635	9.634	0.00	9.26	9.27	0.00
02302	10.896	10.896	0.00	10.32	10.32	0.00
02304	11.692	11.692	0.00	11.44	11.44	0.00
02305	11.654	11.654	0.00	11.44	11.44	0.00
02306	11.432	11.432	0.00	10.43	10.43	0.00
02307	11.457	11.457	0.00	10.50	10.50	0.00
02308	11.68	11.68	0.00	11.45	11.45	0.00
02309	11.697	11.697	0.00	11.48	11.48	0.00
02310	11.686	11.686	0.00	11.47	11.47	0.00
02311	11.983	11.983	0.00	11.86	11.86	0.00
02312	11.69	11.69	0.00	11.46	11.46	0.00
02313	11.71	11.71	0.00	11.47	11.47	0.00
02314	12.24	12.24	0.00	12.22	12.22	0.00
02400	12.324	12.324	0.00	10.87	10.87	0.00
02410	13.898	13.898	0.00	12.46	12.46	0.00
02410F	14.753	14.753	0.00	14.75	14.75	0.00
02411	14.289	14.289	0.00	13.06	13.06	0.00
02412	14.35	14.35	0.00	13.64	13.64	0.00
02420	14.653	14.653	0.00	13.72	13.72	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02425	14.872	14.872	0.00	13.84	13.84	0.00
02430	12.888	12.888	0.00	12.33	12.33	0.00
02431	12.888	12.888	0.00	12.33	12.33	0.00
02440	14.51	14.51	0.00	14.11	14.11	0.00
02441	14.542	14.542	0.00	14.16	14.16	0.00
02442	15.237	15.237	0.00	14.86	14.86	0.00
02500	7.86	7.859	0.00	7.73	7.73	0.00
02500F	10.824	10.824	0.00	10.55	10.55	0.00
02500W	9.795	9.795	0.00	9.74	9.74	0.00
02510	11.48	11.48	0.00	11.35	11.35	0.00
02511	14.562	14.562	0.00	13.96	13.96	0.00
02512	15.248	15.248	0.00	14.43	14.43	0.00
02513	15.252	15.252	0.00	14.64	14.64	0.00
02513B	15.249	15.249	0.00	14.45	14.45	0.00
02514	16.152	16.152	0.00	15.90	15.90	0.00
02520A	16.15	16.15	0.00	15.90	15.90	0.00
02520Y	16.152	16.152	0.00	15.90	15.90	0.00
02521A	16.157	16.157	0.00	15.91	15.91	0.00
02522	16.152	16.152	0.00	15.90	15.90	0.00
02600	14.744	14.744	0.00	14.39	14.39	0.00
02610	15.231	15.231	0.00	15.01	15.01	0.00
02620	12.848	12.848	0.00	12.75	12.75	0.00
02701A	13.962	13.962	0.00	13.10	13.10	0.00
02701Y	8.198	8.198	0.00	7.25	7.25	0.00
02702	9.585	9.584	0.00	8.17	8.17	0.00
02703	12.841	12.841	0.00	12.75	12.75	0.00
02703F	9.873	9.872	0.00	9.05	9.05	0.00
02712	9.881	9.881	0.00	9.64	9.64	0.00
02713	15.166	15.166	0.00	15.11	15.11	0.00
02713F	15.136	15.136	0.00	14.94	14.94	0.00
02713G	15.309	15.309	0.00	15.12	15.12	0.00
02716	13.473	13.473	0.00	13.26	13.26	0.00
02717	14.339	14.339	0.00	13.97	13.97	0.00
02718	14.819	14.819	0.00	14.36	14.36	0.00
02718X	14.342	14.342	0.00	13.97	13.97	0.00
02719A	15.919	15.919	0.00	15.85	15.85	0.00
02719Y	15.84	15.84	0.00	15.78	15.78	0.00
02720A	15.307	15.307	0.00	15.02	15.02	0.00
02721	15.789	15.789	0.00	15.71	15.71	0.00
02722B	15.948	15.948	0.00	15.46	15.46	0.00
02722Y	15.313	15.313	0.00	15.03	15.03	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02723	15.963	15.963	0.00	15.49	15.49	0.00
02724	16.011	16.011	0.00	15.93	15.93	0.00
02724F	15.995	15.995	0.00	15.79	15.79	0.00
02725	15.96	15.96	0.00	15.61	15.61	0.00
02726	15.965	15.965	0.00	15.62	15.62	0.00
02727	15.973	15.973	0.00	15.65	15.65	0.00
02728A	15.989	15.989	0.00	15.82	15.82	0.00
02728Y	16.085	16.085	0.00	16.02	16.02	0.00
02729	15.972	15.972	0.00	15.76	15.76	0.00
02730	15.288	15.288	0.00	14.81	14.81	0.00
02732	15.618	15.618	0.00	15.02	15.02	0.00
02740A	15.999	15.999	0.00	15.30	15.30	0.00
02740Y	15.839	15.839	0.00	15.28	15.28	0.00
02741A	16.143	16.143	0.00	15.90	15.90	0.00
02741C	16.154	16.154	0.00	15.90	15.90	0.00
02741Y	16.15	16.15	0.00	15.90	15.90	0.00
02742	16.007	16.007	0.00	15.63	15.63	0.00
02742A	17.019	17.019	0.00	16.91	16.91	0.00
02742B	17.019	17.019	0.00	16.91	16.91	0.00
02742C	17.025	17.025	0.00	16.91	16.91	0.00
02743	15.943	15.943	0.00	15.43	15.43	0.00
02750	15.996	15.996	0.00	15.62	15.62	0.00
02752A	16.157	16.157	0.00	15.90	15.90	0.00
02754	16.129	16.129	0.00	15.80	15.80	0.00
02755	16.161	16.161	0.00	15.90	15.90	0.00
02755A	16.634	16.634	0.00	16.61	16.61	0.00
02760	16.175	16.175	0.00	15.92	15.92	0.00
02761A	16.169	16.169	0.00	15.92	15.92	0.00
02761Y	16.184	16.184	0.00	16.00	16.00	0.00
02772	16.443	16.443	0.00	16.12	16.12	0.00
02781	16.526	16.526	0.00	16.25	16.25	0.00
02781F	16.183	16.183	0.00	16.03	16.03	0.00
02782	16.68	16.68	0.00	16.40	16.40	0.00
02782F	17.386	17.386	0.00	17.36	17.36	0.00
02790	16.683	16.683	0.00	16.37	16.37	0.00
02792	16.685	16.685	0.00	16.37	16.37	0.00
02793	15.656	15.643	-0.01	15.23	15.20	-0.03
02800	11.179	11.179	0.00	10.22	10.22	0.00
02805	11.29	11.29	0.00	11.21	11.21	0.00
02806	13.965	13.965	0.00	13.10	13.10	0.00
02810	14.115	14.115	0.00	13.58	13.58	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
02830	12.625	12.624	0.00	12.50	12.50	0.00
02850	8.018	8.019	0.00	7.81	7.81	0.00
02860A	13.951	13.951	0.00	13.43	13.43	0.00
02860Y	13.605	13.605	0.00	13.06	13.06	0.00
02900	1.441	1.442	0.00	1.43	1.44	0.00
02900F	5.047	5.047	0.00	5.02	5.02	0.00
02901F	1.43	1.431	0.00	1.43	1.43	0.00
02910	1.679	1.68	0.00	1.58	1.58	0.00
02910A	2.722	2.722	0.00	2.67	2.67	0.00
02911	7.87	7.87	0.00	7.71	7.71	0.00
02920	6.253	6.253	0.00	5.70	5.70	0.00
02930A	9.765	9.765	0.00	9.43	9.43	0.00
02930Y	7.515	7.515	0.00	6.88	6.88	0.00
02931	7.957	7.957	0.00	7.85	7.85	0.00
02935	8.585	8.585	0.00	8.53	8.53	0.00
02940	8.023	8.023	0.00	7.14	7.14	0.00
02950A	12.591	12.591	0.00	12.35	12.35	0.00
02950B	14.946	14.946	0.00	14.90	14.90	0.00
02950Y	13.568	13.568	0.00	13.38	13.38	0.00
02960	2.002	2.003	0.00	1.78	1.78	0.00
02970	6.457	6.457	0.00	6.32	6.32	0.00
02980	8.474	8.474	0.00	8.43	8.43	0.00
03000	2.761	2.761	0.00	2.17	2.17	0.00
03000F	3.484	3.484	0.00	3.43	3.43	0.00
08681A	17.123	17.123	0.00	16.95	16.95	0.00
08681B	17.014	17.014	0.00	16.91	16.91	0.00
08681Y	16.971	16.971	0.00	16.89	16.89	0.00
11201	9.04	9.04	0.00	9.04	9.04	0.00
GULF1	1.42	1.42	0.00	1.42	1.42	0.00
GULF10	1.42	1.42	0.00	1.42	1.42	0.00
GULF11	1.42	1.42	0.00	1.42	1.42	0.00
GULF2	1.42	1.42	0.00	1.42	1.42	0.00
GULF3	1.42	1.42	0.00	1.42	1.42	0.00
GULF4	1.42	1.42	0.00	1.42	1.42	0.00
GULF5	1.42	1.42	0.00	1.42	1.42	0.00
GULF6	1.42	1.42	0.00	1.42	1.42	0.00
GULF7	1.42	1.42	0.00	1.42	1.42	0.00
GULF8	1.42	1.42	0.00	1.42	1.42	0.00
GULF9	1.42	1.42	0.00	1.42	1.42	0.00
I02954	14.823	14.823	0.00	14.77	14.77	0.00
ICW	1.42	1.42	0.00	1.42	1.42	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N00205	11.039	11.022	-0.02	10.79	10.76	-0.02
N00211	10.441	10.429	-0.01	10.24	10.23	-0.01
N00230	13.442	13.44	0.00	13.36	13.34	-0.02
N00235	12.972	12.935	-0.04	12.70	12.66	-0.04
N00237	13.141	13.104	-0.04	12.86	12.82	-0.04
N00255	13.989	13.987	0.00	13.96	13.96	0.00
N00515	6.091	6.088	0.00	6.04	6.04	0.00
N00518	6.131	6.113	-0.02	5.93	5.88	-0.05
N00828	14.775	14.775	0.00	14.73	14.73	0.00
N00829	14.57	14.57	0.00	14.52	14.52	0.00
N00837	13.256	13.256	0.00	12.88	12.88	0.00
N00850	13.617	13.617	0.00	13.52	13.52	0.00
N00851	12.926	12.926	0.00	12.78	12.78	0.00
N00853	15.613	15.613	0.00	15.50	15.50	0.00
N00853A	16.687	16.687	0.00	16.56	16.56	0.00
N00853B	16.683	16.683	0.00	16.55	16.55	0.00
N00853C	16.829	16.829	0.00	16.81	16.81	0.00
N00853D	16.726	16.726	0.00	16.71	16.71	0.00
N00853E	16.42	16.42	0.00	16.41	16.41	0.00
N00856	15.797	15.797	0.00	15.60	15.60	0.00
N00857	14.935	14.935	0.00	14.83	14.83	0.00
N00860	15.06	15.06	0.00	15.02	15.02	0.00
N00863	14.958	14.958	0.00	14.85	14.85	0.00
N00865	15.194	15.194	0.00	15.11	15.11	0.00
N00903	10.994	10.994	0.00	10.89	10.89	0.00
N00905	12.846	12.846	0.00	12.82	12.82	0.00
N00910	11.101	11.101	0.00	11.08	11.08	0.00
N00914	10.242	10.242	0.00	10.15	10.15	0.00
N00930	12.006	12.006	0.00	11.75	11.75	0.00
N00940	11.829	11.829	0.00	11.61	11.61	0.00
N01015	11.307	11.307	0.00	11.24	11.24	0.00
N01020	11.44	11.44	0.00	11.40	11.40	0.00
N01022	11.423	11.423	0.00	11.38	11.38	0.00
N01401	6.644	6.636	-0.01	6.58	6.54	-0.04
N01463	13.529	13.532	0.00	13.51	13.51	0.01
N01468	13.946	13.881	-0.06	13.84	13.80	-0.04
N01824	14.919	14.919	0.00	14.78	14.78	0.00
N01826	13.99	13.99	0.00	13.77	13.77	0.00
N01830	14.265	14.265	0.00	14.03	14.03	0.00
N01832	15.256	15.256	0.00	14.83	14.83	0.00
N01833	15.558	15.558	0.00	15.35	15.35	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
N01834	15.622	15.622	0.00	15.61	15.61	0.00
N01835	14.714	14.714	0.00	14.47	14.47	0.00
N01836	14.714	14.714	0.00	14.47	14.47	0.00
N01837	14.931	14.931	0.00	14.61	14.61	0.00
N01838	14.721	14.721	0.00	14.48	14.48	0.00
N01839	14.716	14.716	0.00	14.47	14.47	0.00
N01841	14.226	14.226	0.00	14.01	14.01	0.00
N01843	15.342	15.342	0.00	15.31	15.31	0.00
N01844	14.785	14.785	0.00	14.73	14.73	0.00
N01845	13.994	13.994	0.00	13.78	13.78	0.00
N01846	14.713	14.713	0.00	14.47	14.47	0.00
N01846A	14.712	14.712	0.00	14.47	14.47	0.00
N01847	14.711	14.711	0.00	14.47	14.47	0.00
N01847_A	14.687	14.687	0.00	14.45	14.45	0.00
N01847A	14.713	14.713	0.00	14.47	14.47	0.00
N01848	14.716	14.716	0.00	14.47	14.47	0.00
N01848A	14.715	14.715	0.00	14.49	14.49	0.00
N01848B	14.624	14.624	0.00	14.44	14.44	0.00
N0184B	14.712	14.712	0.00	14.47	14.47	0.00
N01851	14.715	14.715	0.00	14.61	14.61	0.00
N01852	13.358	13.358	0.00	13.23	13.23	0.00
N01856	14.783	14.783	0.00	14.73	14.73	0.00
N01861	15.317	15.317	0.00	15.27	15.27	0.00
N01862	15.059	15.059	0.00	14.38	14.38	0.00
N01863	15.282	15.282	0.00	15.24	15.24	0.00
N01864	15.03	15.03	0.00	14.97	14.97	0.00
N01873	16.863	16.863	0.00	16.79	16.79	0.00
N02210	14.672	14.672	0.00	14.62	14.62	0.00
N02286	15.244	15.238	-0.01	15.13	15.08	-0.06
N02289	15.631	15.631	0.00	15.62	15.62	0.00
N02320	13.742	13.742	0.00	13.22	13.22	0.00
N02528	15.993	15.993	0.00	15.78	15.78	0.00
N02715	15.405	15.405	0.00	15.13	15.13	0.00
N02735	16.695	16.695	0.00	16.61	16.61	0.00
N02781	16.636	16.636	0.00	16.54	16.54	0.00
N02784	17.076	17.076	0.00	17.04	17.04	0.00
N02814	15.369	15.369	0.00	15.08	15.08	0.00
N02830	15.204	15.204	0.00	15.08	15.08	0.00
N02850	10.936	10.936	0.00	8.35	8.35	0.00
N02852	13.966	13.966	0.00	13.92	13.92	0.00
N02905	3.404	3.404	0.00	3.35	3.35	0.00

NODE MAXIMUM STAGE COMPARISON

Island of Venice - Resilient Alternatives Under Existing Conditions

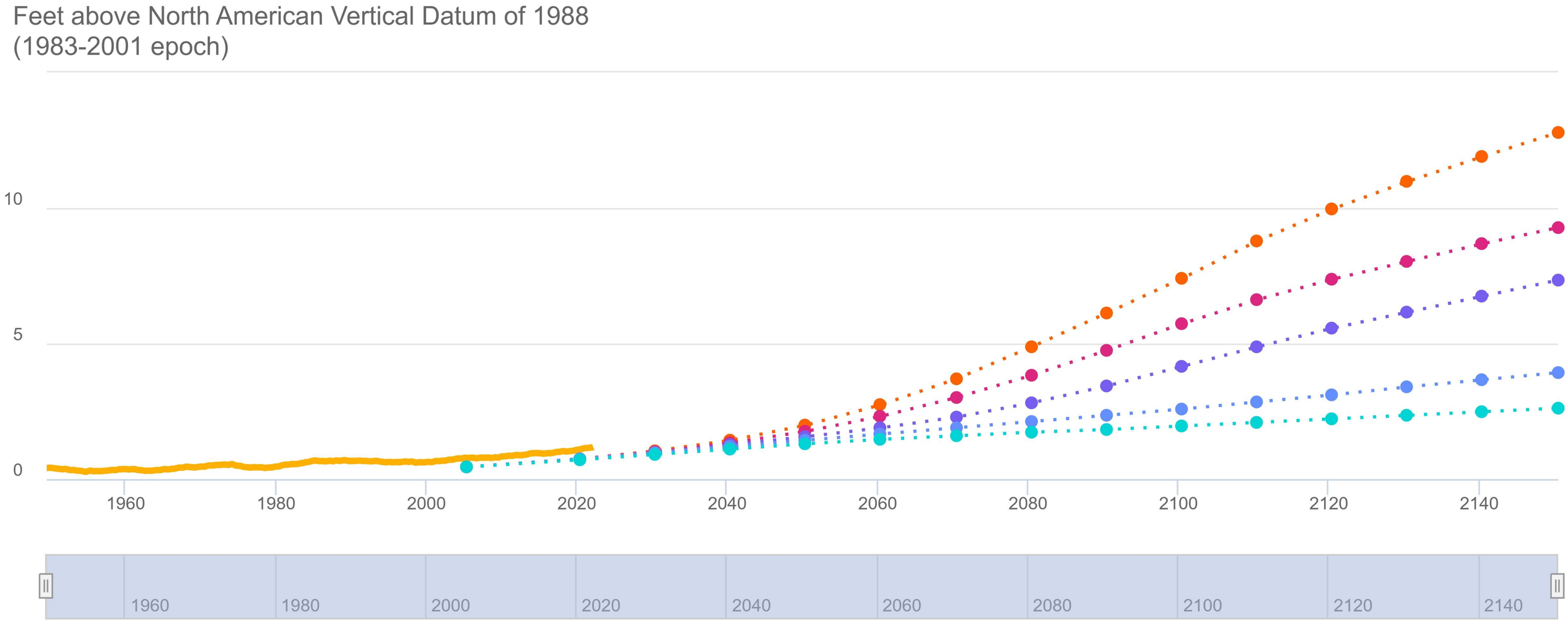
	100-YR 72-HR			25-YR 72-HR		
Node Name	ECM	PCM	PCM Δ Stage	ECM	PCM	PCM Δ Stage
RB1420	9.23	9.23	0.00	9.23	9.23	0.00
ROB_BAY	1.42	1.42	0.00	1.42	1.42	0.00
John Nolen Park	-	13.547	-	-	13.25	-
Venezia Park	-	14.751	-	-	14.70	-
Prentiss French Park	-	8.677	-	-	8.35	-
Parking Storage	-	11.457	-	-	9.34	-

- Fort Myers SLIP Tool Graph (Gauge 8725520)
- Fort Myers SLIP Tool Tabular Data (Gauge 8725520)
- St. Petersburg SLIP Tool Graph (Gauge 8726520)
- St. Petersburg SLIP Tool Tabular Data (Gauge 8726520)

Appendix F – Sea Level Impact Projection Data

Sea Level Data and Projections: Fort Myers, FL (8725520)

NOAA Tide Gauge



MSL record span: 1947 to 2024 (77 years)
NOAA et al. 2022 datum-to-start-year offset (est. SLC from 1992 to 2005): 0.171 ft.

SLAT Data and Projections - Fort Myers, FL (8725520)

Units: Feet above North American Vertical Datum of 1988
(1983-2001 epoch)
NOAA et al. 2022 projections are aligned to the NAVD88 Datum from projection start year of 2005 using an adjustment of 0.171 ft.

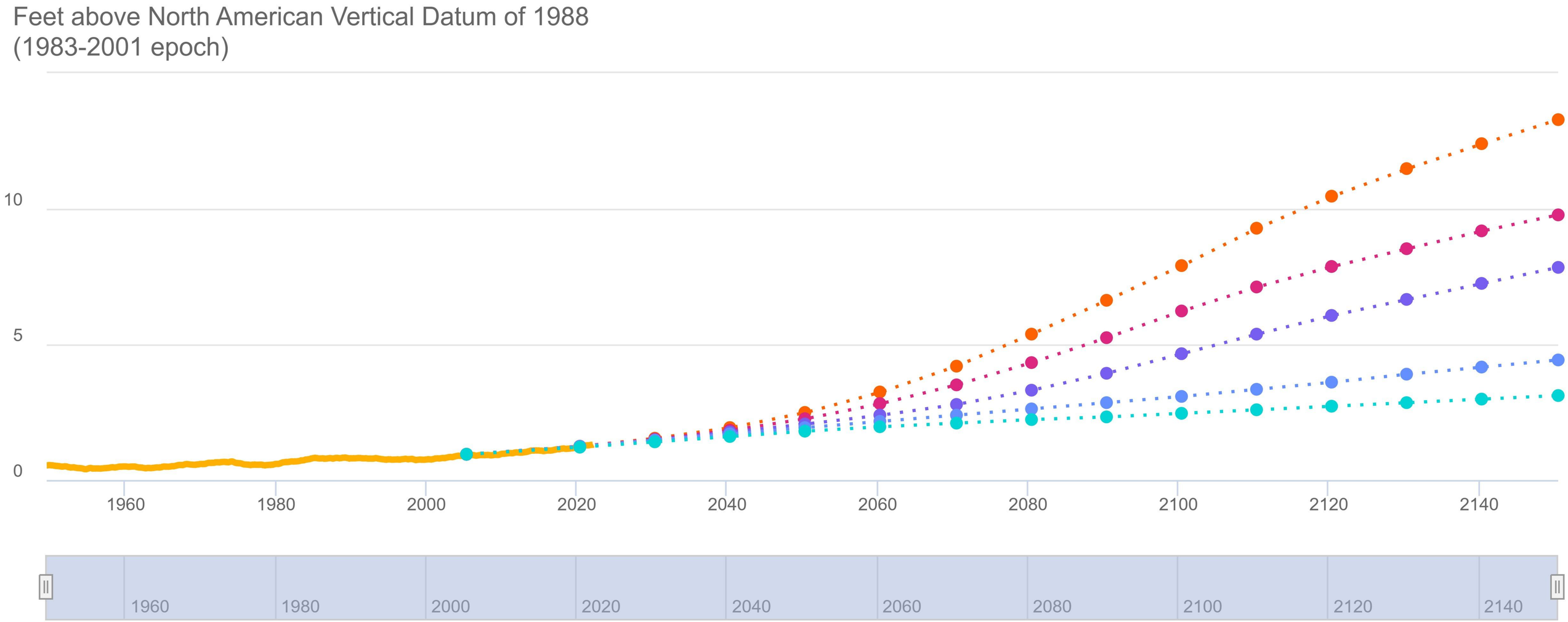
DateTime	MHHW - 5-Year Moving Average	MHHW - NOAA et al. 2022 - High	MHHW - NOAA et al. 2022 - Intermediate-High	MHHW - NOAA et al. 2022 - Intermediate	MHHW - NOAA et al. 2022 - Intermediate-Low	MHHW - NOAA et al. 2022 - Low	MHHW - NOAA et al. 2022 - High (interpolated)	MHHW - NOAA et al. 2022 - Intermediate-High (interpolated)	MHHW - NOAA et al. 2022 - Intermediate (interpolated)	MHHW - NOAA et al. 2022 - Intermediate-Low (interpolated)	MHHW - NOAA et al. 2022 - Low (interpolated)
7/1/2024							0.86	0.85	0.84	0.84	0.79
7/1/2025							0.89	0.88	0.86	0.86	0.81
7/1/2026							0.92	0.90	0.88	0.88	0.83
7/1/2027							0.95	0.93	0.91	0.91	0.85
7/1/2028							0.98	0.96	0.93	0.93	0.87
7/1/2029							1.01	0.98	0.95	0.95	0.89
7/1/2030		1.04	1.01	0.98	0.98	0.91	1.04	1.01	0.98	0.98	0.91
7/1/2031							1.08	1.04	1.01	1.00	0.93
7/1/2032							1.12	1.07	1.03	1.02	0.95
7/1/2033							1.16	1.11	1.06	1.04	0.97
7/1/2034							1.20	1.14	1.09	1.07	0.99
7/1/2035							1.24	1.17	1.12	1.09	1.01
7/1/2036							1.28	1.21	1.15	1.11	1.03
7/1/2037							1.32	1.24	1.18	1.14	1.05
7/1/2038							1.36	1.27	1.21	1.16	1.07
7/1/2039							1.40	1.30	1.24	1.18	1.09
7/1/2040		1.43	1.34	1.27	1.21	1.11	1.43	1.34	1.27	1.21	1.11
7/1/2041							1.49	1.38	1.30	1.23	1.13
7/1/2042							1.55	1.42	1.33	1.25	1.15
7/1/2043							1.60	1.46	1.36	1.27	1.17
7/1/2044							1.66	1.51	1.39	1.30	1.19
7/1/2045							1.71	1.55	1.42	1.32	1.21
7/1/2046							1.77	1.59	1.45	1.34	1.22
7/1/2047							1.83	1.63	1.48	1.37	1.24
7/1/2048							1.88	1.68	1.51	1.39	1.26
7/1/2049							1.94	1.72	1.54	1.41	1.28
7/1/2050		1.99	1.76	1.57	1.43	1.30	1.99	1.76	1.57	1.43	1.30

SLAT Data and Projections - Fort Myers, FL (8725520)

DateTime	MHHW - 5-Year Moving Average	MHHW - NOAA et al. 2022 - High	MHHW - NOAA et al. 2022 - Intermediate-High	MHHW - NOAA et al. 2022 - Intermediate	MHHW - NOAA et al. 2022 - Intermediate-Low	MHHW - NOAA et al. 2022 - Low	MHHW - NOAA et al. 2022 - High (interpolated)	MHHW - NOAA et al. 2022 - Intermediate-High (interpolated)	MHHW - NOAA et al. 2022 - Intermediate (interpolated)	MHHW - NOAA et al. 2022 - Intermediate-Low (interpolated)	MHHW - NOAA et al. 2022 - Low (interpolated)
7/1/2051							2.07	1.82	1.60	1.46	1.32
7/1/2052							2.14	1.87	1.63	1.48	1.34
7/1/2053							2.22	1.93	1.66	1.50	1.35
7/1/2054							2.29	1.99	1.70	1.53	1.37
7/1/2055							2.37	2.04	1.73	1.55	1.39
7/1/2056							2.45	2.10	1.76	1.57	1.40
7/1/2057							2.52	2.15	1.80	1.60	1.42
7/1/2058							2.60	2.21	1.83	1.62	1.43
7/1/2059							2.67	2.26	1.86	1.64	1.45
7/1/2060		2.75	2.32	1.89	1.66	1.47	2.75	2.32	1.89	1.66	1.47
7/1/2061							2.84	2.39	1.93	1.69	1.48
7/1/2062							2.94	2.46	1.97	1.71	1.49
7/1/2063							3.03	2.53	2.01	1.73	1.51
7/1/2064							3.13	2.60	2.05	1.76	1.52
7/1/2065							3.22	2.67	2.09	1.78	1.53
7/1/2066							3.32	2.73	2.13	1.80	1.55
7/1/2067							3.41	2.80	2.17	1.83	1.56
7/1/2068							3.51	2.87	2.21	1.85	1.57
7/1/2069							3.60	2.94	2.25	1.87	1.59
7/1/2070		3.70	3.01	2.29	1.89	1.60	3.70	3.01	2.29	1.89	1.60
7/1/2071							3.82	3.09	2.34	1.92	1.61
7/1/2072							3.93	3.17	2.39	1.94	1.63
7/1/2073							4.05	3.26	2.45	1.96	1.64
7/1/2074							4.17	3.34	2.50	1.99	1.65
7/1/2075							4.29	3.42	2.55	2.01	1.66
7/1/2076							4.41	3.50	2.60	2.03	1.68
7/1/2077							4.53	3.58	2.66	2.05	1.69
7/1/2078							4.64	3.67	2.71	2.08	1.70
7/1/2079							4.76	3.75	2.76	2.10	1.72
7/1/2080		4.88	3.83	2.81	2.12	1.73	4.88	3.83	2.81	2.12	1.73

Sea Level Data and Projections: St. Petersburg, FL (8726520)

NOAA Tide Gauge



MSL record span: 1947 to 2024 (77 years)
NOAA et al. 2022 datum-to-start-year offset (est. SLC from 1992 to 2005): 0.169 ft.

SLAT Data and Projections - St. Petersburg, FL (8726520)

Units: Feet above North American Vertical Datum of 1988
(1983-2001 epoch)
NOAA et al. 2022 projections are aligned to the NAVD88 Datum from projection start year of 2005 using an adjustment of 0.169 ft.

DateTime	MHHW - 5-Year Moving Average	MHHW - NOAA et al. 2022 - High	MHHW - NOAA et al. 2022 - Intermediate-High	MHHW - NOAA et al. 2022 - Intermediate	MHHW - NOAA et al. 2022 - Intermediate-Low	MHHW - NOAA et al. 2022 - Low	MHHW - NOAA et al. 2022 - High (interpolated)	MHHW - NOAA et al. 2022 - Intermediate-High (interpolated)	MHHW - NOAA et al. 2022 - Intermediate (interpolated)	MHHW - NOAA et al. 2022 - Intermediate-Low (interpolated)	MHHW - NOAA et al. 2022 - Low (interpolated)
7/1/2024							1.36	1.35	1.34	1.34	1.29
7/1/2025							1.39	1.38	1.36	1.36	1.31
7/1/2026							1.42	1.40	1.38	1.38	1.33
7/1/2027							1.45	1.43	1.40	1.40	1.35
7/1/2028							1.48	1.45	1.43	1.43	1.37
7/1/2029							1.51	1.48	1.45	1.45	1.39
7/1/2030		1.54	1.51	1.47	1.47	1.41	1.54	1.51	1.47	1.47	1.41
7/1/2031							1.58	1.54	1.50	1.50	1.43
7/1/2032							1.62	1.57	1.53	1.52	1.45
7/1/2033							1.66	1.60	1.56	1.54	1.47
7/1/2034							1.70	1.64	1.59	1.57	1.49
7/1/2035							1.74	1.67	1.62	1.59	1.51
7/1/2036							1.78	1.70	1.65	1.61	1.53
7/1/2037							1.81	1.74	1.68	1.63	1.55
7/1/2038							1.85	1.77	1.71	1.66	1.57
7/1/2039							1.89	1.80	1.74	1.68	1.58
7/1/2040		1.93	1.83	1.77	1.70	1.60	1.93	1.83	1.77	1.70	1.60
7/1/2041							1.99	1.88	1.80	1.73	1.62
7/1/2042							2.04	1.92	1.83	1.75	1.64
7/1/2043							2.10	1.96	1.86	1.77	1.66
7/1/2044							2.16	2.00	1.89	1.79	1.68
7/1/2045							2.21	2.05	1.92	1.82	1.70
7/1/2046							2.27	2.09	1.95	1.84	1.72
7/1/2047							2.32	2.13	1.98	1.86	1.74
7/1/2048							2.38	2.18	2.00	1.89	1.76
7/1/2049							2.43	2.22	2.03	1.91	1.78
7/1/2050		2.49	2.26	2.06	1.93	1.80	2.49	2.26	2.06	1.93	1.80
7/1/2051							2.57	2.32	2.10	1.96	1.82

SLAT Data and Projections - St. Petersburg, FL (8726520)

DateTime	MHHW - 5-Year Moving Average	MHHW - NOAA et al. 2022 - High	MHHW - NOAA et al. 2022 - Intermediate-High	MHHW - NOAA et al. 2022 - Intermediate	MHHW - NOAA et al. 2022 - Intermediate-Low	MHHW - NOAA et al. 2022 - Low	MHHW - NOAA et al. 2022 - High (interpolated)	MHHW - NOAA et al. 2022 - Intermediate-High (interpolated)	MHHW - NOAA et al. 2022 - Intermediate (interpolated)	MHHW - NOAA et al. 2022 - Intermediate-Low (interpolated)	MHHW - NOAA et al. 2022 - Low (interpolated)
7/1/2052							2.64	2.37	2.13	1.98	1.83
7/1/2053							2.72	2.43	2.16	2.00	1.85
7/1/2054							2.79	2.48	2.20	2.02	1.87
7/1/2055							2.87	2.54	2.23	2.05	1.88
7/1/2056							2.94	2.60	2.26	2.07	1.90
7/1/2057							3.02	2.65	2.29	2.09	1.92
7/1/2058							3.09	2.71	2.33	2.12	1.93
7/1/2059							3.17	2.76	2.36	2.14	1.95
7/1/2060		3.25	2.82	2.39	2.16	1.97	3.25	2.82	2.39	2.16	1.97
7/1/2061							3.34	2.89	2.43	2.19	1.98
7/1/2062							3.44	2.96	2.47	2.21	1.99
7/1/2063							3.53	3.03	2.51	2.23	2.00
7/1/2064							3.63	3.09	2.55	2.25	2.02
7/1/2065							3.72	3.16	2.59	2.28	2.03
7/1/2066							3.82	3.23	2.63	2.30	2.04
7/1/2067							3.91	3.30	2.67	2.32	2.06
7/1/2068							4.01	3.37	2.71	2.35	2.07
7/1/2069							4.10	3.44	2.75	2.37	2.08
7/1/2070		4.20	3.51	2.79	2.39	2.10	4.20	3.51	2.79	2.39	2.10
7/1/2071							4.31	3.59	2.84	2.42	2.11
7/1/2072							4.43	3.67	2.89	2.44	2.12
7/1/2073							4.55	3.75	2.94	2.46	2.14
7/1/2074							4.67	3.84	3.00	2.48	2.15
7/1/2075							4.79	3.92	3.05	2.51	2.16
7/1/2076							4.91	4.00	3.10	2.53	2.18
7/1/2077							5.02	4.08	3.15	2.55	2.19
7/1/2078							5.14	4.16	3.21	2.58	2.20
7/1/2079							5.26	4.25	3.26	2.60	2.21
7/1/2080		5.38	4.33	3.31	2.62	2.23	5.38	4.33	3.31	2.62	2.23

Appendix E – Benefit Cost Analysis Report

BENEFIT COST ANALYSIS

REPORT



Venice, FL
City on the Gulf

Kimley»Horn
Expect More. Experience Better.

MARCH 2025

Prepared For:



401 West Venice Ave
Venice, FL 34285

Prepared By:

Kimley»Horn

Registry No. 35106
© Kimley-Horn and Associates, Inc.
1800 2nd Street, Suite 900
Sarasota, FL 34236
(941) 379-7600
KH Project No. 148402027

Professional Engineer Certification

Benefit Cost Analysis Report

Project: City of Venice Stormwater Master Plan Update

I hereby certify that I am a registered professional engineer in the State of Florida practicing with Kimley-Horn and Associates Inc., and that I have prepared or approved the evaluation, findings, opinions, conclusions, or technical advice for this project.

_____

MOLLY CHARLENE WILLIAMS, P.E. # 54281
Kimley-Horn and Associates, Inc.
1800 2nd Street, Suite 900
Sarasota, Florida 34236
Registry No. 35106

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1.0 Introduction

The improvement alternatives proposed for the City of Venice Stormwater Master Plan Update all contain a component to improve water quality within the City. These improvement alternatives all utilize a combination of variable approaches to improve water quality, including the construction of a nutrient separation box, dry retention, and underground detention. Many of these projects also achieve reductions in flooding duration and depth. A benefit cost analysis was performed using the Southwest Florida Water Management District (SWFWMD) Benefit Cost Analysis Tool to identify, quantify, and compare the expected benefits and costs of the proposed projects.

The benefit cost analysis results, opinion of probable costs, and proposed drainage designs for the respective projects can be found in **Appendices B through K.** As the projects are conceptual, additional refinement to the projects during the design and permitting phase should address peak stage increases that are deemed adverse and maximize the benefit cost ratio. Some projects are solely water quality improvements and have no adverse impact nor improvement to existing peak flood stages, resulting in minimal to no benefit cost ratios. Costs used in the benefit cost analysis are for the elements of the project that are included in the BMP Train calculations.

Table 1: Project Benefit Cost Analysis Summary

Project	Opinion of Probable Cost	Benefit Cost Ratio	Per lb TN Removed
Outfall 12 Improvements	$835,181	0.90	$12,189
Matanzas St Ditch Flood Control	$1,473,246	5.07	$36,224
Downtown Flood Impact & Water Quality Improvements	$4,295,688	0.37	$9,345
Outfall 22 Improvements	$680,739	N/A	$207
Outfall 10 Improvements	$4,424,431	0.16	$4,225
Outfall 15 Improvements	$1,074,857	23.66	$5,271
Home Park Rd Roadway Improvement	$842,024	6.12	$1,574
Venezia Park Water Quality Project	$3,137,517	6.81	$2,357
Prentiss French Park Water Quality Project	$1,533,957	5.74	$2,537
John Nolen Park Water Quality Project	$1,315,916	5.76	$2,770

2.0 Outfall Modification Projects

2.1 Outfall 12 Improvements

The Esplanade N runs north and south along the west edge of the Island of Venice and has concentrated areas of standing water on the road. The roadway drains north to Outfall 12. The Tarpon Center Drive project is currently in construction and is to improve the existing seawall conditions. Within this project, the existing outfall pipe and the pipe directly upstream will be replaced. With new information recently gathered about this project, the Outfall 12 Improvements project direction has changed since previous reports. It is now recommended that a secondary outfall adjacent to Outfall 12 be constructed by connecting to the existing manhole upstream of Outfall 12 located at the intersection of Tarpon Center Drive and The Esplanade N. A secondary outfall consisting of 30" pipes will alleviate flooding conditions and reflects similar results to that of upsizing Outfall 12, the original proposed approach. This project provides improvements to flooding experienced in the area by reducing the duration of flooding, and the addition of a nutrient separation box directly upstream of the outfall provides water quality benefits. See **Appendix B-1** for a visual of the proposed drainage modifications.

2.2 Matanzas St Ditch Flood Control

Matanzas Street has an adjacent ditch to the east of Cadiz Road that currently floods the surrounding area during major storm events. This area drains to the main trunkline along Madrid Avenue, which outfalls to the ditch along Osprey Street and discharges to the northwest through Outfall 14. It is recommended to add a secondary discharge point for this area. Construction of pipes along Apalachicola Road and Ormond Street will provide a connection to the trunkline that drains to Outfall 12. To improve conveyance capacity of the runoff from the Esplanade N and Matanzas Street Ditch, it is recommended to upsize the five (5) most downstream pipes of the Outfall 12 trunkline before the manhole where flow will split between Outfall 12 and the secondary outfall. It is also recommended to upsize the three pipes conveying runoff from the Matanzas Street Ditch. The Outfall 12 Improvement project must be constructed prior to or in conjunction with this project. Connecting this drainage area to Outfall 12 maximizes the benefit cost ratio of this project. See **Appendix C-1** for a visual of the proposed drainage modifications.

2.3 Downtown Flood Impact & Water Quality Improvements

In existing conditions, the downtown area adjacent to Nokomis Avenue S and W Venice Avenue experience significant flooding. The main trunkline along Nokomis Avenue drains north towards Outfall 18, which is an existing 48" pipe. Outfall 18 should be upsized to accommodate the flows that drain to it. The upsizing of this outfall pipe provides a reduction in the duration of flooding adjacent roads currently experience.

As a part of this project, additional flood reduction and water quality improvements can be attained by constructing underground storage and pervious pavers to an existing parking lot on the northwest corner of W Venice Avenue and Nokomis Avenue N. Pervious pavers for the areas not draining to chambers can provide additional water quality benefits through percolation. Refer to **Appendix D-1** for a visual of the proposed drainage modifications.

2.4 Outfall 22 Improvements

Outfall 22 is located on the east side of the island and drains to the Intracoastal Waterway. It is directly east of Milan Avenue E and is located on the School Board of Sarasota County property. In current conditions, this outfall is a 30" pipe that discharges runoff from the adjacent areas including the schools and areas south of the downtown area. The addition of a nutrient separation box at this outfall will provide improvements to the water quality that discharges from this outfall. The addition of an inlet and a pipe on Calle Laescuela will relieve some of the flooding currently experienced. This project's main objective is to improve water quality. The SWFWMD Benefit Cost Analysis Tool is primarily used to calculate costs associated with flood reductions, therefore this project does not have a benefit cost ratio due to the minor flood reduction provided solely on Calle la Escuela. Refer to **Appendix E-1** for a visual of the proposed drainage modifications.

2.5 Outfall 10 Improvements

Outfall 10 is located at the southwest corner of the Island of Venice and discharges to the Gulf of Mexico. It is the discharge point for the wetlands surrounding the area, which are southwest of the intersection of Harbor Drive S and Beach Road. It is recommended to improve the quality of the wetlands by removing invasive plant species and regrading the wetlands to optimize function. To remove a beach outfall, the project will redirect the discharge of these wetlands to drain south towards Red Lake. The removal of area

discharging to the coastline provides significant water quality benefits. In addition, it is recommended that a nutrient separation box be constructed at a location upstream of Outfall 10 to provide more water quality benefits. This project has a lower benefit cost ratio due to the significant costs affiliated with removing a beach outfall and the minor flood reduction provided, as its focus is water quality. Refer to **Appendix F-1** for a visual of the proposed drainage modifications.

2.6 Outfall 15 Improvements

The residential area adjacent to the Parkdale Drive corridor, platted as part of Bayshore Estates Unit 2, has consistently experienced major flooding issues. This area is located east of Park Boulevard N. This section of the Bayshore Estates community drains to the trunkline along Park Boulevard N, which is also known to flood. The recommended upsizing of the trunkline and the outfall results in significant flood reductions in adjacent areas, providing a greater benefit cost ratio. Due to Outfall 15 being located between two residential properties, the horizontal space between the houses may not accommodate a larger pipe. Tying into the adjacent Outfall 16 can provide the additional conveyance necessary to alleviate flooding in the Bayshore Estates community. However, there is limited information available regarding Outfall 16, so it is recommended that these alternatives be investigated further during design phase before finalizing the preferred approach. Modeling efforts used for this benefit cost ratio applied the assumption of the space between properties allowing the upsizing Outfall 15. Refer to **Appendix G-1** for a visual of the proposed drainage modifications.

3.0 Roadway Flooding Improvements

3.1 Home Park Rd Roadway Improvement

Home Park Road is located south of E Venice Avenue and east of Country Club Way. This neighborhood is directly adjacent to Hatchett Creek. Hatchett Creek runs northwest towards this neighborhood, then turns north and crosses under E Venice Avenue. Where the Hatchett Creek takes this turn, the neighborhood experiences the most significant flooding impacts. The creek overtops the top of bank and spills onto the roadway. It is recommended to elevate the roadway along Home Park Road and Cypress Avenue in this area adjacent to the creek and reinforce the existing berm to increase resiliency while providing equivalent conveyance capacity in the creek. Road elevations will be raised from six inches to a foot, dependent on existing road conditions and existing finished floor

elevations of the homes adjacent to the project area. The benefit cost analysis performed for this project reflects the benefits of raising the roads, with no modeling efforts involved as additional data collection will need to be performed to accurately portray this project in the Roberts Bay ICPR4 Model. The drainage infrastructure in this area discharges to Hatchett Creek through an outfall located at the intersection of Home Park Road and Cypress Avenue. To provide water quality improvements in this area, it is recommended to add a nutrient separation box at this outfall to provide nutrient separation and water quality benefits. Refer to **Appendix H-1** for a visual of the roadway project area.

4.0 Water Quality Projects

4.1 Venezia Park Water Quality Project

Venezia Park is a City owned parcel located east of Harbor Drive S and south of Salerno Street. The project will expand the use of the open space within the park for storage and water quality improvements while maintaining passive recreational use of the park. Part of the trunkline along Harbor Drive S that drains to Outfall 2 can be redirected to Venezia Park where treatment volume can be retained and allowed to naturally percolate, and higher runoff volumes will bypass and drain to the Intracoastal Waterway. With these improvements, part of the runoff volume draining to Flamingo Ditch can be redirected through Venezia Park and to the Intracoastal Waterway. The existing pump station located at the intersection of Verona Street and Ravenna Street will be utilized to direct runoff volumes into the treatment area. This project's primary goal is water quality, however this connection of adjacent trunklines to the park provides flood reduction in surrounding areas, resulting in a notable benefit cost ratio. Refer to **Appendix I-1** for a visual of the proposed treatment area and proposed pipes.

4.2 Prentiss French Park Water Quality Project

Prentiss French Park is a City owned parcel located directly south of the residential area adjacent to the Parkdale Drive corridor that is heavily flooded during major storm events. The project will expand the use of the open space within the park for storage and water quality improvements while maintaining passive recreational use of the park. Part of the trunkline along Narvaezi Street that drains to Outfall 15 can be redirected to Prentiss French Park where runoff volume can be retained and allowed to naturally percolate, and higher runoff volumes can be directed to the Intracoastal Waterway. This park could provide flood storage and relief to the Parkdale Drive Community. The benefit cost ratio

for this project displays valuable flood reductions in this area. Refer to **Appendix J-1** for a visual of the proposed treatment area and proposed pipes.

4.3 John Nolen Park Water Quality Project

John Nolen Park is located north of Menendez Street and east of Park Blvd S. The project will expand the use of the open space within the park for storage and water quality while maintaining passive recreational use of the park. The John Nolen Park outfall will connect to the trunkline that drains to Outfall 17. This project's primary objective is water quality; therefore the drainage layout and modeling efforts will need to be refined during the design and permitting phase and should address peak stage increases. Refer to **Appendix K-1** for a visual of the proposed treatment area and proposed pipes.

Appendix A – Decision Support Matrix

Decision Support Matrix

Project Type	Project	Grant Opportunities*	Opinion of Probable Cost **	Water Quality Benefits ***			Benefit Cost Ratio**	Quantity of Properties Benefiting in 100-YR 24-HR Design Storm	Parcels Impacted by Construction
				% Nitrogen Load Reduction	% Phosphorus Load Reduction	$ Per lb TN Removed			
Outfall Modification Projects	Outfall 12 Improvements	12	$ 835,181	19%	16%	$ 12,189	0.90	13	0175060032 - Gulf View Marina Holdings LLC
	Matanzas Street Ditch Flood Control	12	$ 1,473,246	19%	16%	$ 36,224	5.07	N/A	N/A
	Downtown Flood Impact & Water Quality Improvements	12	$ 4,295,688	13%	13%	$ 9,345	0.37	17	000000723 - Bella Costa Owners Association INC 0408040001 - City of Venice
	Outfall 22 Improvements	12	$ 680,739	19%	16%	$ 207	N/A	N/A	N/A
	Outfall 10 Improvements	12	$ 4,424,431	98%	98%	$ 4,225	0.16	25	N/A
	Outfall 15 Improvements	12	$ 1,074,857	19%	16%	$ 5,271	23.66	135	0175020022 - Michael Berenshteyn & Polina Berenshteyn Trust 0175010001 - John K Condon Revocable Trust
Roadway Flooding Improvements	Home Park Road Roadway Improvement	6	$ 842,024	19%	16%	$ 1,574	6.12	N/A	N/A
Water Quality Projects	Venezia Park Water Quality Project	12	$ 3,137,517	33%	33%	$ 2,357	6.81	136	0429040056 - City of Venice 0429040057 - City of Venice
	Prentiss French Park Water Quality Project	12	$ 1,533,957	39%	39%	$ 2,537	5.74	103	0175160031 - City of Venice 0175160032 - City of Venice
	John Nolen Park Water Quality Project	12	$ 1,315,916	66%	66%	$ 2,770	5.76	122	0176090008 - City of Venice 0176090010 - City of Venice

* See Grant Matrix for details

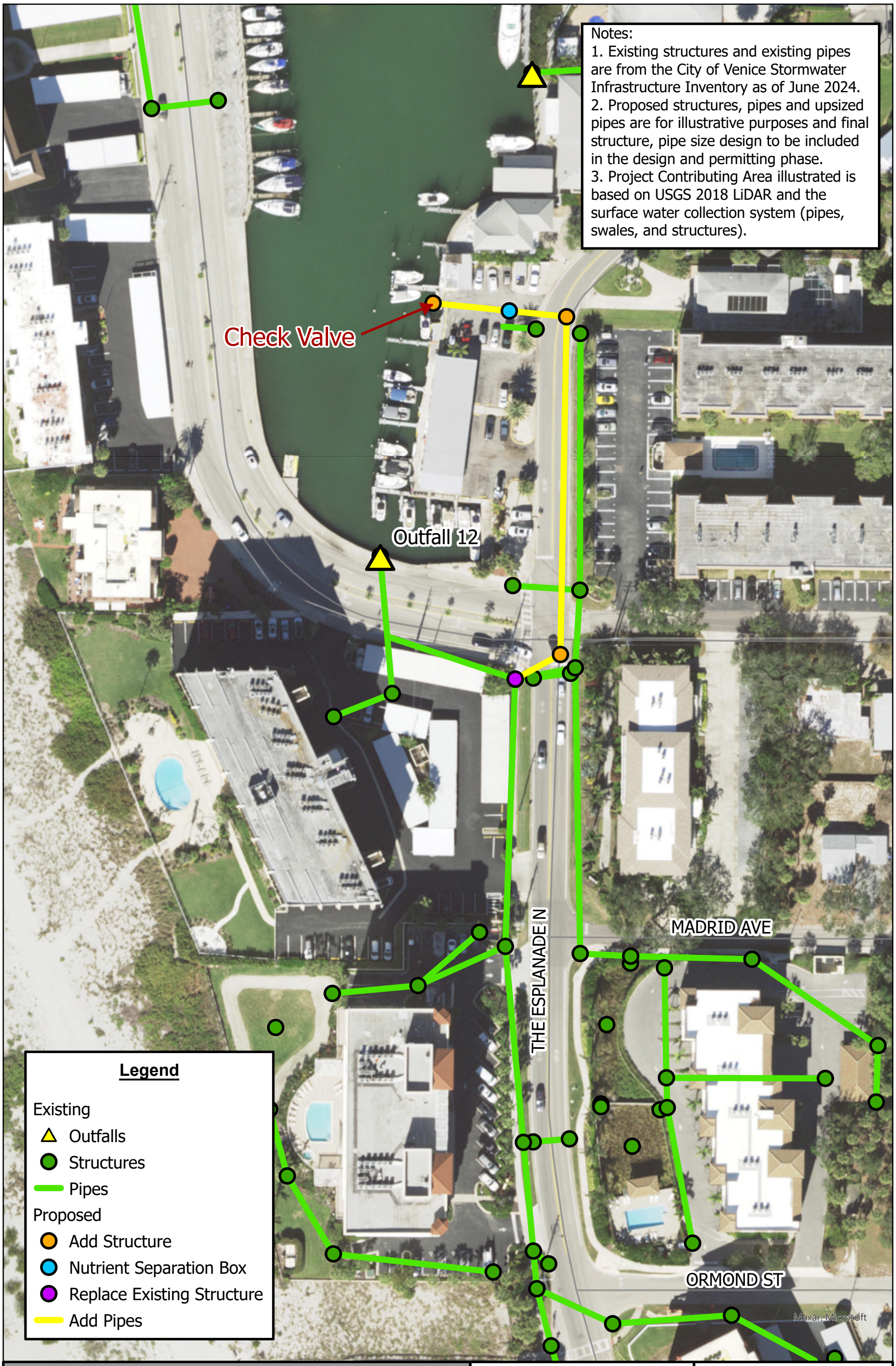
** See Benefit Cost Analysis Report for details

*** See Water Quality Analysis Report for details

B-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix B – Outfall 12 Improvements



OUTFALL 12 IMPROVEMENTS

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

MARCH 2025

0 25 50 Feet

N

Kimley»Horn

B-1

WATER QUALITY ANALYSIS SUMMARY

Outfall 12 Improvements

Nutrient Separation Box

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
19.00	16.00	4.97	0.64	30	149.10	19.17

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 835,181	30	$ 50,111	$ 982,193	$ 1,817,374	$ 12,189	$ 94,803

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

OUTFALL 12 IMPROVEMENTS					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 29,202.00	$ 29,202.00
0102 1	MAINTENANCE OF TRAFFIC (5%)	LS	1	$ 29,202.00	$ 29,202.00
0104	EROSION CONTROL (3%)	LS	1	$ 17,521.00	$ 17,521.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	45	$ 51.00	$ 2,295.00
	ROADWAY RESTORATION	SY	748	$ 310.00	$ 231,880.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	45	$ 100.00	$ 4,500.00
0570 1 2	PERFORMANCE TURF, SOD	SY	115	$ 5.00	$ 575.00
Drainage					
0425 2 71	MANHOLES, J-7, <10'	EA	3	$ 16,316.00	$ 48,948.00
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	0	$ 8,497.00	$ -
0430 174 130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30" SD	LF	393	$ 261.00	$ 102,573.00
0430 548 100	STRAIGHT CONCRETE ENDWALLS, 30", SINGLE, 0 DEGREES, ROUND	EA	1	$ 8,272.00	$ 8,272.00
	NUTRIENT SEPARATION BOX	EA	1	$ 120,000.00	$ 120,000.00
	30" CHECK VALVE	EA	1	$ 35,000.00	$ 35,000.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	6	$ 5,000.00	$ 30,000.00

OUTFALL 12 IMPROVEMENTS	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 584,043.00**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 75,925.00**
O.P.C. SUBTOTAL	**$ 659,968.00**
30% Contingency	**$ 175,212.90**
ESTIMATED O.P.C. TOTAL	**$ 835,180.90**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476 6

Cooperator/Applicant: ***Sarasota County***

Project Number/Name: ***Outfall 12 Improvements***

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 0.90	N/A	
Water Quality Improvement	Yes	Yes, ($12189 per lb TN Removed)	N/A	Water quality is addressed with a nutrient separation box.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B- Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

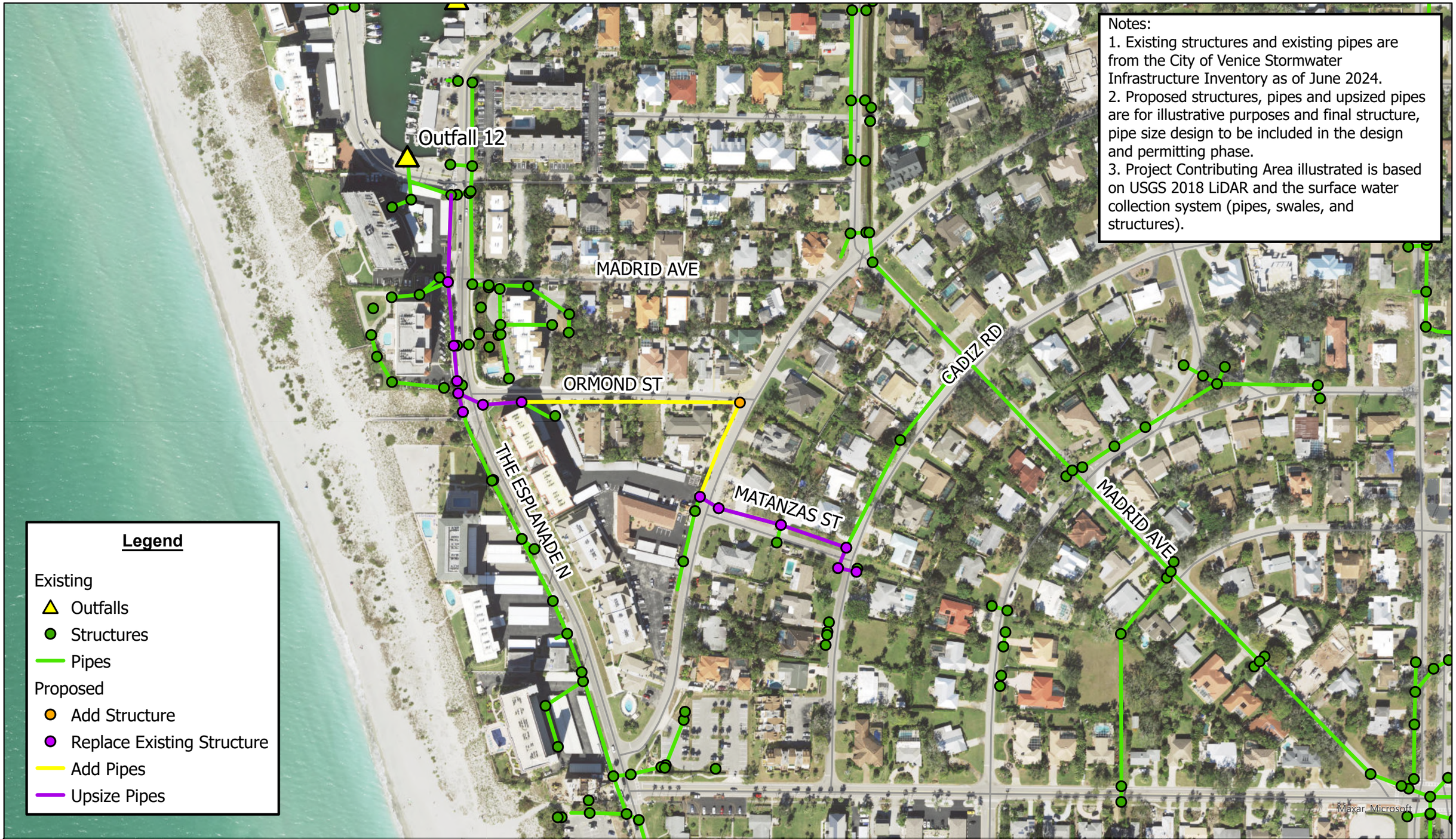
(a)	Expected Annual Damage Without Project [(1)]	$126,679,593
(b)	Expected Annual Damage With Project [(1)]	$126,640,633
(c)	Expected Annual Damage Benefit (a) – (b)	$38,960
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	30
(f)	Total Present Value of Future Benefits	$753,856
(g)	Total Project Cost	$835,181
(h)	Benefit/Cost Ratio	**0.90**

[(1)] This tool assumes no population growth thus EAD will be constant over analysis period.

C-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix C – Matanzas St Ditch Flood Control



Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Add Structure
- Replace Existing Structure
- Add Pipes
- Upsize Pipes

MATANZAS ST DITCH FLOOD CONTROL

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
MARCH 2025

0 250 500 Feet

N

Kimley»Horn

C-1

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

MATANZAS STREET DITCH FLOOD CONTROL					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 51,512.00	$ 51,512.00
0102 1	MAINTENANCE OF TRAFFIC (5%)	LS	1	$ 51,512.00	$ 51,512.00
0104	EROSION CONTROL (3%)	LS	1	$ 30,907.00	$ 30,907.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	1246	$ 51.00	$ 63,546.00
	ROADWAY RESTORATION	SY	433	$ 310.00	$ 134,261.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	1246	$ 90.00	$ 112,140.00
0570 1 2	PERFORMANCE TURF, SOD	SY	1551	$ 5.00	$ 7,755.00
Drainage					
0425 2 71	MANHOLES, J-7, <10'	EA	6	$ 16,316.00	$ 97,896.00
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	7	$ 8,497.00	$ 59,479.00
0425 1201	INLETS, CURB, TYPE 9, <10'	EA	1	$ 10,932.00	$ 10,932.00
0430 174 124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" SD	LF	1200	$ 207.00	$ 248,400.00
0430 174 136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36" SD	LF	302	$ 319.00	$ 96,338.00
0430 174 141	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 42" SD	LF	201	$ 495.00	$ 99,495.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	20	$ 5,000.00	$ 100,000.00

MATANZAS STREET DITCH FLOOD CONTROL	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 1,030,242.00**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 133,931.00**
O.P.C. SUBTOTAL	**$ 1,164,173.00**
30% Contingency	**$ 309,072.60**
ESTIMATED O.P.C. TOTAL	**$ 1,473,245.60**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

WATER QUALITY ANALYSIS SUMMARY

Matanzas Ditch Project

Nutrient Separation Box

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
19.00	16.00	2.95	0.54	30	88.50	16.26

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 1,473,246	30	$ 88,395	$ 1,732,573	$ 3,205,819	$ 36,224	$ 197,160

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: ***Sarasota County***

Project Number/Name: ***Matanzas Street Ditch Flood Control***

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 5.07	N/A	
Water Quality Improvement	Yes	Yes, ($36224 per lb TN Removed)	N/A	Water quality is addressed with a nutrient separation box constructed in the Outfall 12 Improvements.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

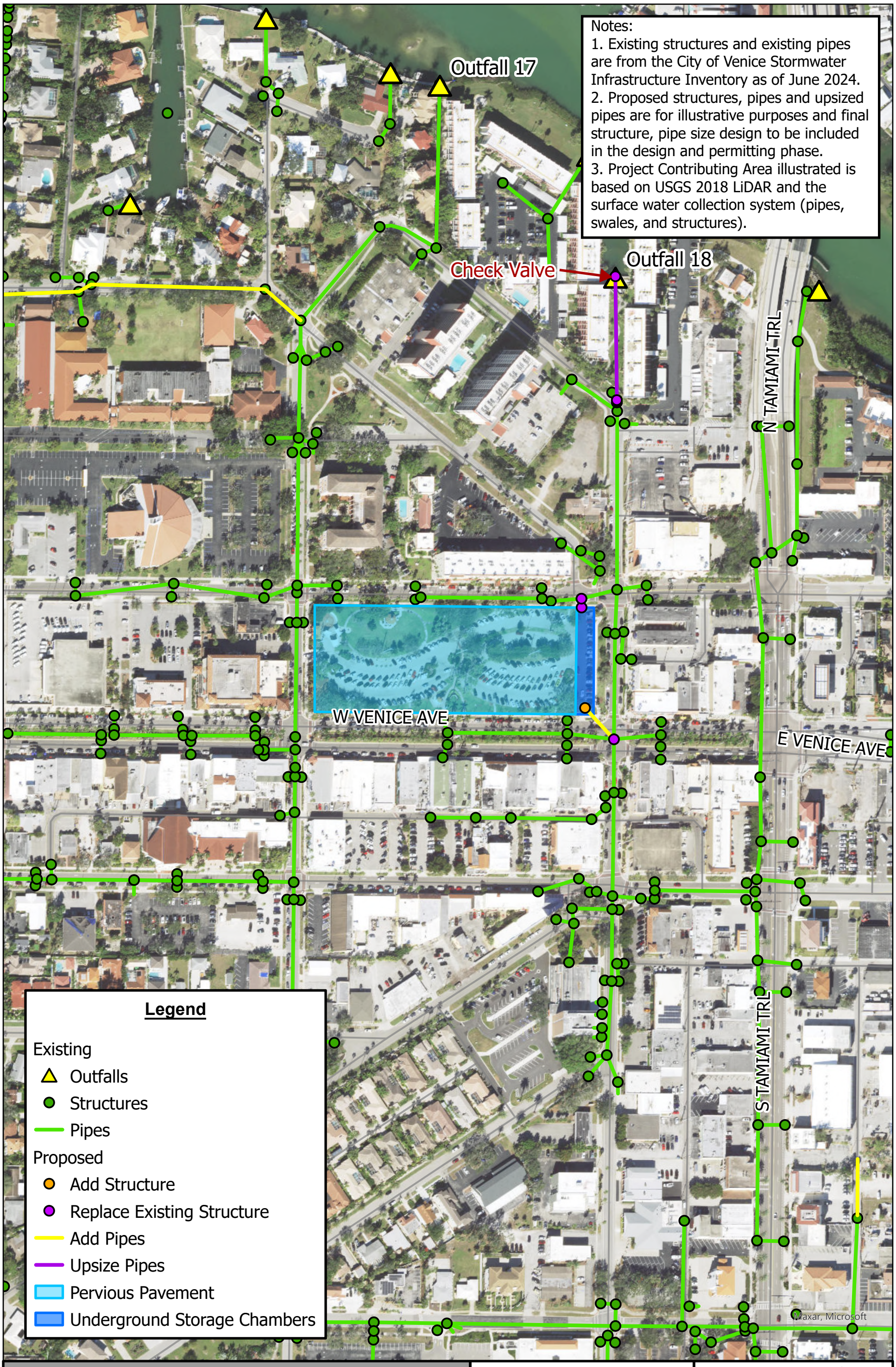
(a)	Expected Annual Damage Without Project [(1)]	$126,675,034
(b)	Expected Annual Damage With Project [(1)]	$126,288,894
(c)	Expected Annual Damage Benefit (a) – (b)	$386,140
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	30
(f)	Total Present Value of Future Benefits	$7,471,605
(g)	Total Project Cost	$1,473,246
(h)	Benefit/Cost Ratio	**5.07**

[(1)] This tool assumes no population growth thus EAD will be constant over analysis period.

D-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix D – Downtown Flood Impact & Water Quality Improvements



Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Add Structure
- Replace Existing Structure
- Add Pipes
- Upsize Pipes
- Pervious Pavement
- Underground Storage Chambers

DOWNTOWN FLOOD IMPACT & WATER QUALITY IMPROVEMENTS

CITY OF VENICE

STORMWATER MASTER PLAN UPDATE

MARCH 2025

0 125 250 Feet N

Kimley»Horn | D-I

WATER QUALITY ANALYSIS SUMMARY

Downtown Improvements

Underground Detention

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
13.00	13.00	36.66	5.34	20	733.20	106.86

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 4,295,688	20	$ 171,828	$ 2,556,364	$ 6,852,052	$ 9,345	$ 64,122

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

DOWNTOWN FLOOD IMPACT AND WATER QUALITY IMPROVEMENTS

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 148,127.00	$ 148,127.00
0102 1	MAINTENANCE OF TRAFFIC (7%)	LS	1	$ 207,378.00	$ 207,378.00
0104	EROSION CONTROL (3%)	LS	1	$ 88,876.00	$ 88,876.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	642	$ 51.00	$ 32,742.00
0120 1	REGULAR EXCAVATION	CY	12779	$ 15.00	$ 191,685.00
	SOIL TRANSPORTATION	CY	12779	$ 12.00	$ 153,348.00
	ROADWAY RESTORATION	SY	1335	$ 310.00	$ 413,850.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	642	$ 90.00	$ 57,780.00
0570 1 2	PERFORMANCE TURF, SOD	SY	5759	$ 5.00	$ 28,795.00
Drainage					
0425 2 71	MANHOLES, J-7, <10'	EA	2	$ 16,316.00	$ 32,632.00
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	1	$ 8,497.00	$ 8,497.00
0430 174 136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36" SD	LF	121	$ 319.00	$ 38,599.00
431 174 160	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 60" SD	LF	298	$ 758.00	$ 225,884.00
0430 560 100	STRAIGHT CONCRETE ENDWALLS, 60", SINGLE, 0 DEGREES, ROUND	EA	1	$ 33,000.00	$ 33,000.00
	STORAGE CHAMBERS	CF	44392	$ 20.00	$ 887,840.00
0120 72	GRAVEL FILL	CY	4087	$ 112.00	$ 457,744.00
	36" CHECK VALVE	EA	1	$ 40,000.00	$ 40,000.00
	60" CHECK VALVE	EA	1	$ 70,000.00	$ 70,000.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	8	$ 1,000.00	$ 8,000.00
Landscape					
	LANDSCAPE AND HARDSCAPE RESTORATION	LS	1	$ 35,000.00	$ 35,000.00
Optional					
0354 1102	PERVIOUS CONCRETE PAVEMENT, 6"	SY	11234	$ 22.00	$ 247,148.00

DOWNTOWN FLOOD IMPACT AND WATER QUALITY IMPROVEMENTS	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 2,962,544.00**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 444,381.00**
O.P.C. SUBTOTAL	**$ 3,406,925.00**
30% Contingency	**$ 888,763.20**
ESTIMATED O.P.C. TOTAL	**$ 4,295,688.20**
ESTIMATED O.P.C. TOTAL WITH OPTIONAL ITEMS	**$ 4,542,836.20**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: ***Sarasota County***

Project Number/Name: ***Downtown Flood Impact & Water Quality Improvements***

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 0.37	N/A	
Water Quality Improvement	Yes	Yes, ($9345 per lb TN Removed)	N/A	Water quality is addressed with underground storage.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

(a)	Expected Annual Damage Without Project [(1)]	$126,675,970
(b)	Expected Annual Damage With Project [(1)]	$126,594,504
(c)	Expected Annual Damage Benefit (a) – (b)	$81,466
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	30
(f)	Total Present Value of Future Benefits	$1,576,325
(g)	Total Project Cost	$4,295,688
(h)	Benefit/Cost Ratio	**0.37**

[(1)] This tool assumes no population growth thus EAD will be constant over analysis period.

E-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix E – Outfall 22 Improvements

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Outfall 22

Outfall 2301

Outfall 2290

Outfall 24

S TAMIAMI TRL

US 41 BYP S

MYRTLE AVE

Maxar, Microsoft

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Add Structure
- Nutrient Separation Box
- Add Pipes

OUTFALL 22 IMPROVEMENTS

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
MARCH 2025

0 450 900 Feet

N

Kimley»Horn

E-1

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

OUTFALL 22 IMPROVEMENTS					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 23,474.00	$ 23,474.00
0102 1	MAINTENANCE OF TRAFFIC (7%)	LS	1	$ 32,863.00	$ 32,863.00
0104	EROSION CONTROL (3%)	LS	1	$ 14,084.00	$ 14,084.00
0120 1	REGULAR EXCAVATION	CY	2388	$ 15.00	$ 35,820.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	43	$ 51.00	$ 2,193.00
	ROADWAY RESTORATION	SY	663	$ 310.00	$ 205,530.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	43	$ 90.00	$ 3,870.00
0570 1 2	PERFORMANCE TURF, SOD	SY	189	$ 5.00	$ 945.00
Drainage					
0425 1201	INLETS, CURB, TYPE 9, <10'	EA	1	$ 10,932.00	$ 10,932.00
0425 2 71	MANHOLES, J-7, <10'	EA	1	$ 16,316.00	$ 16,316.00
0430 174 112	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 12" SD	LF	8	$ 130.00	$ 1,040.00
0430 174 115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" SD	LF	133	$ 329.00	$ 43,757.00
0430 174 148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" SD	LF	16	$ 567.00	$ 9,072.00
	NUTRIENT SEPARATION BOX	EA	1	$ 120,000.00	$ 120,000.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	4	$ 5,000.00	$ 20,000.00

OUTFALL 22 IMPROVEMENTS	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 469,475.00**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 70,421.00**
O.P.C. SUBTOTAL	**$ 539,896.00**
30% Contingency	**$ 140,842.50**
ESTIMATED O.P.C. TOTAL	**$ 680,738.50**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

WATER QUALITY ANALYSIS SUMMARY

Outfall 22 Improvements

Nutrient Separation Box

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
19.00	16.00	238.50	27.90	30	7155.00	837.00

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 680,739	30	$ 40,844	$ 800,565	$ 1,481,304	$ 207	$ 1,770

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: ***Sarasota County***

Project Number/Name: ***Outfall 22 Improvements***

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	No	N/A	
Water Quality Improvement	Yes	Yes, ($207.03 per lb TN Removed)	N/A	Water quality is addressed with a nutrient separation box.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

(a)	Expected Annual Damage Without Project [(1)]	$126,675,034
(b)	Expected Annual Damage With Project [(1)]	$126,675,034
(c)	Expected Annual Damage Benefit (a) – (b)	$0
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	30
(f)	Total Present Value of Future Benefits	$0
(g)	Total Project Cost	$680,739
(h)	Benefit/Cost Ratio	-

[(1)] This tool assumes no population growth thus EAD will be constant over analysis period.

F-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix F – Outfall 10 Improvements

Outfall 9

Outfall 10

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).
4. Dry retention area shown is exaggerated for visual purposes.

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Add Structure
- Nutrient Separation Box
- Replace Existing Structure
- Add Pipes
- Remove Pipes
- Dry Retention
- Environmental Restoration

Maxar

OUTFALL 10 IMPROVEMENTS

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
MARCH 2025

0 200 400 Feet

N

Kimley»Horn

F-1

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

OUTFALL 10 IMPROVEMENTS					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 158,015.00	$ 158,015.00
0102 1	MAINTENANCE OF TRAFFIC (5%)	LS	1	$ 158,015.00	$ 158,015.00
0104	EROSION CONTROL (3%)	LS	1	$ 94,809.00	$ 94,809.00
0107 2	LITTER REMOVAL	AC	6	$ 42.00	$ 235.20
0110 1 1	CLEARING & GRUBBING	AC	1	$ 51,535.00	$ 76,787.15
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	620	$ 51.00	$ 31,620.00
0120 1	REGULAR EXCAVATION	CY	4410	$ 15.00	$ 66,150.00
	SOIL TRANSPORTATION	CY	4410	$ 12.00	$ 52,920.00
0120 6	EMBANKMENT	CY	882	$ 25.00	$ 22,050.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	620	$ 90.00	$ 55,800.00
0570 1 2	PERFORMANCE TURF, SOD	SY	12850	$ 5.00	$ 64,250.00
Environmental					
	WETLAND RESTORATION	AC	6	$ 30,000.00	$ 168,000.00
	SALTWATER TOLERANT PLANTS	LS	1	$ 100,000.00	$ 100,000.00
Drainage					
0425 2 71	MANHOLES, J-7, <10'	EA	1	$ 16,316.00	$ 16,316.00
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	9	$ 8,497.00	$ 76,473.00
0430 174 148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" SD	LF	3771	$ 567.00	$ 2,138,157.00
0430 548 100	STRAIGHT CONCRETE ENDWALLS, 48", SINGLE, 0 DEGREES, ROUND	EA	1	$ 11,550.00	$ 11,550.00
	NUTRIENT SEPARATION BOX	EA	1	$ 180,000.00	$ 180,000.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	20	$ 5,000.00	$ 100,000.00

OUTFALL 10 IMPROVEMENTS	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 3,160,308.35**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 316,030.00**
O.P.C. SUBTOTAL	**$ 3,476,338.35**
30% Contingency	**$ 948,092.51**
ESTIMATED O.P.C. TOTAL	**$ 4,424,430.86**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

WATER QUALITY ANALYSIS SUMMARY

Outfall 10 Project

Dry Retention & Nutrient Separation Box

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
98.00	98.00	50.04	2.39	30	1501.20	71.73

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 4,424,431	30	$ 97,849	$ 1,917,872	$ 6,342,303	$ 4,225	$ 88,419

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: *Sarasota County*

Project Number/Name: *Outfall 10 Improvements*

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 0.16	N/A	
Water Quality Improvement	Yes	Yes, ($4224.82 per lb TN Removed)	N/A	Water quality is addressed with a bioswale and nutrient separation box.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

(a)	Expected Annual Damage Without Project (1)	$126,675,034
(b)	Expected Annual Damage With Project (1)	$126,639,321
(c)	Expected Annual Damage Benefit (a) – (b)	$35,713
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	30
(f)	Total Present Value of Future Benefits	$691,021
(g)	Total Project Cost	$4,424,431
(h)	Benefit/Cost Ratio	**0.16**

(1) *This tool assumes no population growth thus EAD will be constant over analysis period.*

G-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix G – Outfall 15 Improvements

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Check Valve

Outfall 15

Outfall 16

CADIZ RD

PARK DALE DR

PARKSIDE DR

MADRID AVE

W VENICE AVE

W VENICE AVE

W VENICE AVE

Maxar, Microsoft

Legend

Existing
- Outfalls
- Structures
- Pipes

Proposed
- Nutrient Separation Box
- Replace Existing Structure
- Upsize Pipes

OUTFALL 15 IMPROVEMENTS

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

MARCH 2025

0 150 300 Feet N

Kimley»Horn

G-1

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

OUTFALL 15 IMPROVEMENTS					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 37,582.00	$ 37,582.00
0102 1	MAINTENANCE OF TRAFFIC (5%)	LS	1	$ 37,582.00	$ 37,582.00
0104	EROSION CONTROL (3%)	LS	1	$ 22,549.00	$ 22,549.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	576	$ 51.00	$ 29,376.00
	ROADWAY RESTORATION	SY	224	$ 310.00	$ 69,440.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	576	$ 100.00	$ 57,600.00
0570 1 2	PERFORMANCE TURF, SOD	SY	2043	$ 5.00	$ 10,215.00
Drainage					
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	5	$ 8,497.00	$ 42,485.00
0425 2 71	MANHOLES, J-7, <10'	EA	1	$ 16,316.00	$ 16,316.00
0430 174 136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36" SD	LF	1012	$ 319.00	$ 322,828.00
0430 536 100	STRAIGHT CONCRETE ENDWALLS, 36", SINGLE, 0 DEGREES, ROUND	EA	1	$ 8,389.00	$ 8,389.00
	NUTRIENT SEPARATION BOX	EA	1	$ 120,000.00	$ 120,000.00
	36" CHECK VALVE	EA	1	$ 40,000.00	$ 40,000.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	7	$ 5,000.00	$ 35,000.00

OUTFALL 15 IMPROVEMENTS	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 751,649.00**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 97,713.00**
O.P.C. SUBTOTAL	**$ 849,362.00**
30% Contingency	**$ 225,494.70**
ESTIMATED O.P.C. TOTAL	**$ 1,074,856.70**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

WATER QUALITY ANALYSIS SUMMARY

Outfall 15 Improvements

Nutrient Separation Box

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
19.00	16.00	14.79	1.90	30	443.70	57.03

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 1,074,857	30	$ 64,491	$ 1,264,057	$ 2,338,914	**$ 5,271**	**$ 41,012**

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: *Sarasota County*

Project Number/Name: *Outfall 15 Improvements*

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 23.66	N/A	
Water Quality Improvement	Yes	Yes, ($5271.40 per lb TN Removed)	N/A	Water quality is addressed with a nutrient separation box.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

(a)	Expected Annual Damage Without Project (1)	$126,675,034
(b)	Expected Annual Damage With Project (1)	$125,360,976
(c)	Expected Annual Damage Benefit (a) – (b)	$1,314,057
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	30
(f)	Total Present Value of Future Benefits	$25,426,338
(g)	Total Project Cost	$1,074,857
(h)	Benefit/Cost Ratio	**23.66**

(1) *This tool assumes no population growth thus EAD will be constant over analysis period.*

H-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix H – Home Park Rd Roadway Improvement

Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Outfall 11831
Outfall 11200
Outfall 11591
Outfall 1159
US 41 BYP N
US 41 BYP S
E VENICE AVE
CYPRESS AVE
HOME PARK RD
COUNTRY CLUB WAY
GROVELAND AVE
MYRTLE AVE

Legend

Proposed
- Nutrient Separation Box
- Roadway Improvements

Existing
- Outfalls
- Structures
- Pipes

Maxar, Microsoft

HOME PARK RD ROADWAY IMPROVEMENT

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
MARCH 2025

0 300 600 Feet

N

Kimley»Horn | H-I

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

HOME PARK ROAD ROADWAY IMPROVEMENTS					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 30,072.00	$ 30,072.00
0102 1	MAINTENANCE OF TRAFFIC (5%)	LS	1	$ 30,072.00	$ 30,072.00
0104	EROSION CONTROL (3%)	LS	1	$ 18,043.00	$ 18,043.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	2100	$ 51.00	$ 107,100.00
0120 6	EMBANKMENT	CY	1710	$ 32.00	$ 54,720.00
0160 4	TYPE B STABILIZATION	SY	3893	$ 13.00	$ 50,609.00
0285 7 04	OPTIONAL BASE, BASE GROUP 04	SY	3893	$ 30.00	$ 116,790.00
0327 70 4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	SY	3893	$ 5.00	$ 19,465.00
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG 76-22	TN	325	$ 158.00	$ 51,350.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	2100	$ 90.00	$ 189,000.00
0570 1 2	PERFORMANCE TURF, SOD	SY	3420	$ 5.00	$ 17,100.00
Drainage					
0430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" SD	LF	12	$ 201.00	$ 2,412.00
	NUTRIENT SEPARATION BOX	EA	1	$ 85,000.00	$ 85,000.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	3	$ 5,000.00	$ 15,000.00

HOME PARK ROAD ROADWAY IMPROVEMENTS	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 601,446.00**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 60,144.00**
O.P.C. SUBTOTAL	**$ 661,590.00**
30% Contingency	**$ 180,433.80**
ESTIMATED O.P.C. TOTAL	**$ 842,023.80**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

BAFFLE BOX ANALYSIS SUMMARY

Home Park Road Improvements

Nutrient Separation Box

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
19.00	16.00	38.80	4.99	30	1164.00	149.61

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 842,024	30	$ 50,521	$ 990,240	$ 1,832,264	**$ 1,574.11**	**$ 12,246.94**

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: ***Manatee County***

Project Number/Name: ***Home Park Road Roadway Improvements***

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 6.12	N/A	
Water Quality Improvement	Yes	Yes, ($1574.11 per lb TN Removed)	N/A	Water Quality is addressed with a Baffle Box
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

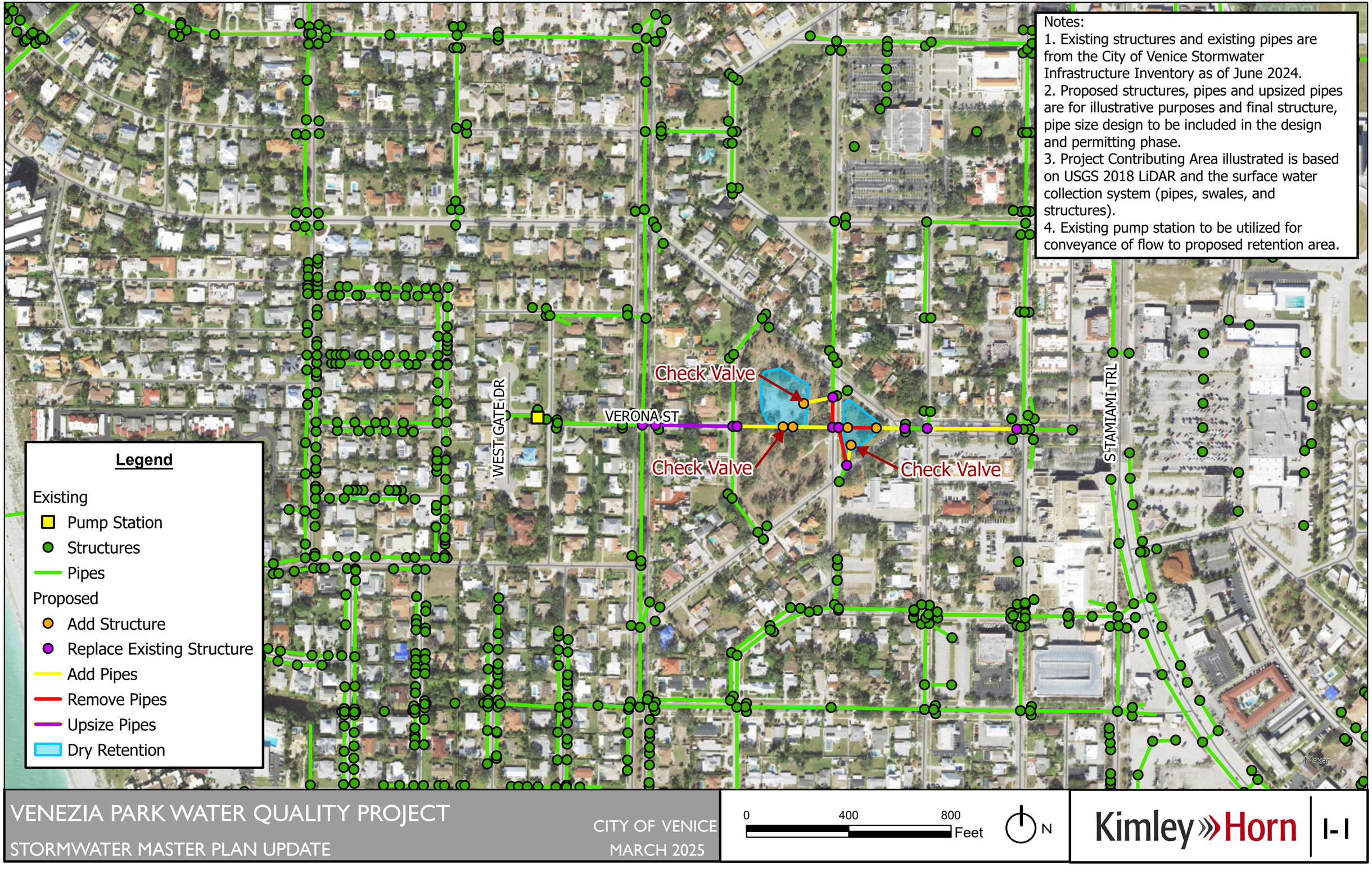
(a)	Expected Annual Damage Without Project (2030 Estimated Value with 3% Inflation Rate) [(1)]	$319,009
(b)	Expected Annual Damage With Project (2030 Estimated Value with 3% Inflation Rate) [(1)]	$52,683
(c)	Expected Annual Damage Benefit (a) – (b)	$266,326
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	30
(f)	Total Present Value of Future Benefits	$5,153,271
(g)	Total Project Cost (2030 Estimated Value with 3% Inflation Rate) NOTE: This cost is for the Flood Reduction Project Only, Baffle Box Cost Is Separate)	$842,024
(h)	Benefit/Cost Ratio	**6.12**

[(1)] This tool assumes no population growth thus EAD will be constant over analysis period.

I-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix I – Venezia Park Water Quality Project



VENEZIA PARK WATER QUALITY PROJECT

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
MARCH 2025

0 400 800 Feet

N

Kimley»Horn

I-1

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

VENEZIA PARK WATER QUALITY PROJECT					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 109,703.00	$ 109,703.00
0102 1	MAINTENANCE OF TRAFFIC (5%)	LS	1	$ 109,703.00	$ 109,703.00
0104	EROSION CONTROL (3%)	LS	1	$ 65,822.00	$ 65,822.00
0107 2	MOWING	AC	1	$ 57.00	$ 70.68
0110 1 1	CLEARING & GRUBBING	AC	1	$ 51,535.00	$ 70,602.95
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	717	$ 51.00	$ 36,567.00
0120 1	REGULAR EXCAVATION	CY	4982	$ 15.00	$ 74,730.00
	SOIL TRANSPORTATION	CY	4982	$ 12.00	$ 59,784.00
0120 6	EMBANKMENT	CY	598	$ 25.00	$ 14,946.00
	ROADWAY RESTORATION	SY	3404	$ 310.00	$ 1,055,240.00
	TRAIL RESTORATION	LF	1944	$ 65.00	$ 126,360.00
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	717	$ 90.00	$ 64,530.00
0570 1 2	PERFORMANCE TURF, SOD	SY	11324	$ 5.00	$ 56,620.00
Drainage					
0425 1201	INLETS, CURB, TYPE 9, <10'	EA	3	$ 10,932.00	$ 32,796.00
0425 2 71	MANHOLES, J-7, <10'	EA	8	$ 16,316.00	$ 130,528.00
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	4	$ 8,497.00	$ 33,988.00
0430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" SD	LF	198	$ 201.00	$ 39,798.00
0430 174 124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" SD	LF	1244	$ 207.00	$ 257,508.00
	18" CHECK VALVE	EA	2	$ 30,000.00	$ 60,000.00
	24" CHECK VALVE	EA	1	$ 35,000.00	$ 35,000.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	9	$ 5,000.00	$ 45,000.00
Optional Items					
	NUTRIENT SEPARATION BOX	EA	1	$ 85,000.00	$ 85,000.00
0580 1 2	LANDSCAPE COMPLETE- LARGE PLANTS	LS	1	$ 40,000.00	$ 40,000.00

VENEZIA PARK WATER QUALITY PROJECT	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 2,194,068.63**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 285,228.00**
O.P.C. SUBTOTAL	**$ 2,479,296.63**
30% Contingency	**$ 658,220.59**
ESTIMATED O.P.C. TOTAL	**$ 3,137,517.22**
ESTIMATED O.P.C. TOTAL WITH OPTIONAL ITEMS	**$ 3,262,517.22**

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WATER QUALITY ANALYSIS SUMMARY

Venezia Park Water Quality Project

Dry Retention

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
33.00	33.00	43.06	6.80	40	1722.40	272.12

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 3,137,517	40	$ 47,063	$ 922,449	$ 4,059,966	**$ 2,357**	**$ 14,920**

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: ***Sarasota County***

Project Number/Name: ***Venezia Park Water Quality Project***

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 6.81	N/A	
Water Quality Improvement	Yes	Yes, ($2357.20 per lb TN Removed)	N/A	Water quality is addressed with a dry retention pond.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

(a)	Expected Annual Damage Without Project [(1)]	$126,675,034
(b)	Expected Annual Damage With Project [(1)]	$125,735,037
(c)	Expected Annual Damage Benefit (a) – (b)	$939,997
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	40
(f)	Total Present Value of Future Benefits	$21,380,816
(g)	Total Project Cost	$3,137,517
(h)	Benefit/Cost Ratio	**6.81**

[(1)] This tool assumes no population growth thus EAD will be constant over analysis period.

J-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix J – Prentiss French Park Water Quality Project



PRENTISS FRENCH PARK WATER QUALITY PROJECT

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE

MARCH 2025

0 250 500 Feet

N

Kimley»Horn

J-1

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

PRENTISS FRENCH PARK WATER QUALITY PROJECT					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 53,635.00	$ 53,635.00
0102 1	MAINTENANCE OF TRAFFIC (5%)	LS	1	$ 53,635.00	$ 53,635.00
0104	EROSION CONTROL (3%)	LS	1	$ 32,181.00	$ 32,181.00
0107 2	MOWING	AC	1	$ 57.00	$ 50.73
0110 1 1	CLEARING & GRUBBING	AC	1	$ 51,535.00	$ 46,896.85
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	675	$ 51.00	$ 34,425.00
0120 1	REGULAR EXCAVATION	CY	5730	$ 15.00	$ 85,950.00
	SOIL TRANSPORTATION	CY	5730	$ 12.00	$ 68,760.00
0120 6	EMBANKMENT	CY	688	$ 25.00	$ 17,190.00
	ROADWAY RESTORATION	SY	326	$ 310.00	$ 101,060.00
	TRAIL RESTORATION	LF	1470	$ 65.00	$ 95,550.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	675	$ 90.00	$ 60,750.00
0570 1 2	PERFORMANCE TURF, SOD	SY	7337	$ 5.00	$ 36,682.50
Drainage					
0425 1201	INLETS, CURB, TYPE 9, <10'	EA	2	$ 10,932.00	$ 21,864.00
0425 2 71	MANHOLES, J-7, <10'	EA	5	$ 16,316.00	$ 81,580.00
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	4	$ 8,497.00	$ 33,988.00
0430 174 124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" SD	LF	692	$ 207.00	$ 143,244.00
0430 174 130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30" SD	LF	746	$ 261.00	$ 194,706.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	10	$ 5,000.00	$ 50,000.00
Optional Items					
	NUTRIENT SEPARATION BOX	EA	1	$ 85,000.00	$ 85,000.00
0580 1 2	LANDSCAPE COMPLETE- LARGE PLANTS	LS	1	$ 40,000.00	$ 40,000.00

PRENTISS FRENCH PARK WATER QUALITY PROJECT	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 1,072,697.08**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 139,451.00**
O.P.C. SUBTOTAL	**$ 1,212,148.08**
30% Contingency	**$ 321,809.12**
ESTIMATED O.P.C. TOTAL	**$ 1,533,957.20**
ESTIMATED O.P.C. TOTAL WITH OPTIONAL ITEMS	**$ 1,658,957.20**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

WATER QUALITY ANALYSIS SUMMARY

Prentiss French Park Water Quality Project

Dry Retention

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
39.00	39.00	19.56	3.09	40	782.40	123.60

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 1,533,957	40	$ 23,009	$ 450,993	$ 1,984,950	**$ 2,537.00**	**$ 16,059.46**

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: ***Sarasota County***

Project Number/Name: ***Prentiss French Park Water Quality Project***

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 5.74	N/A	
Water Quality Improvement	Yes	Yes, ($2357 per lb TN Removed)	N/A	Water quality is addressed with dry retention.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

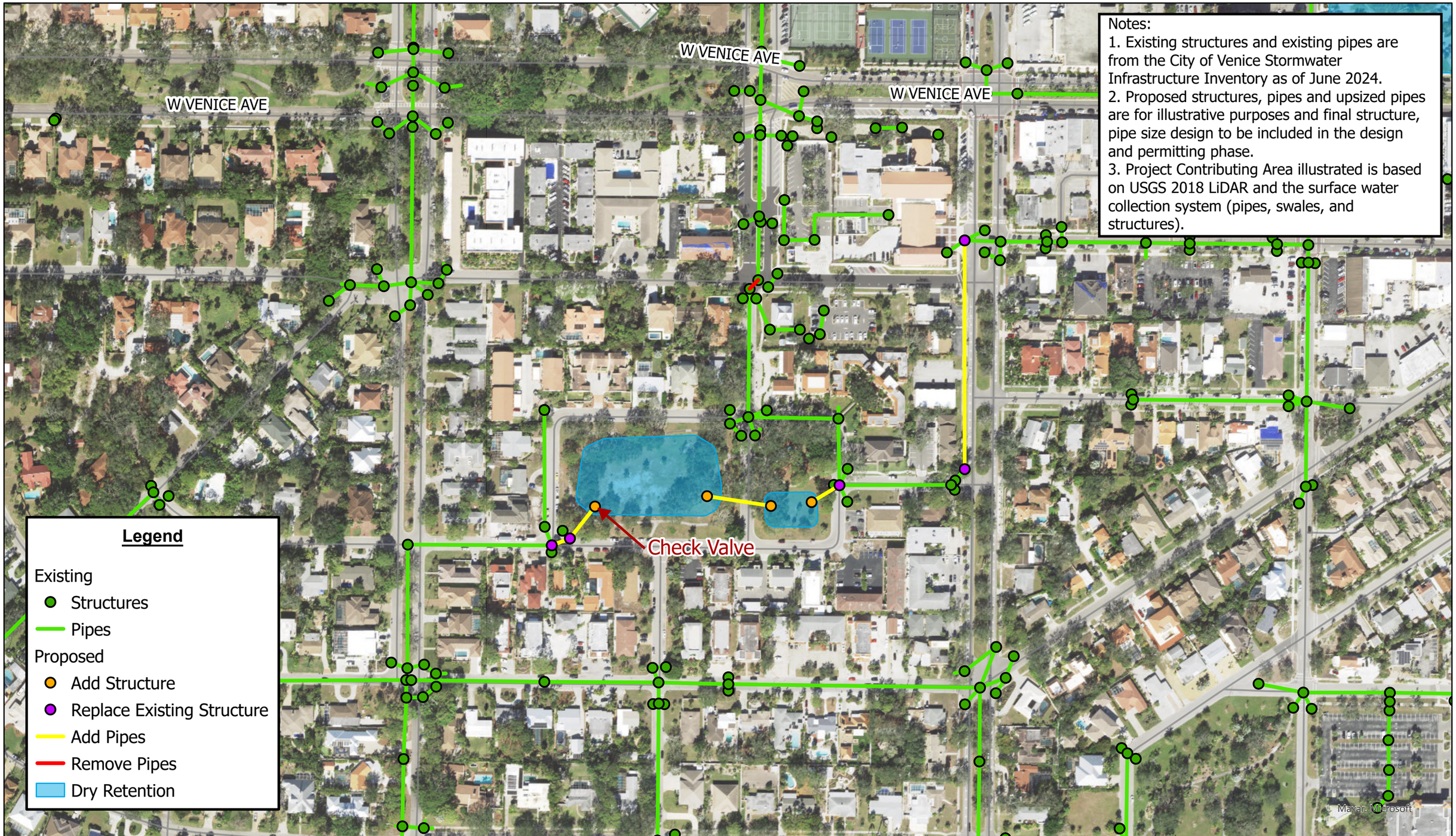
(a)	Expected Annual Damage Without Project [(1)]	$126,675,034
(b)	Expected Annual Damage With Project [(1)]	$126,287,698
(c)	Expected Annual Damage Benefit (a) – (b)	$387,336
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	40
(f)	Total Present Value of Future Benefits	$8,810,196
(g)	Total Project Cost	$1,533,957
(h)	Benefit/Cost Ratio	**5.74**

[(1)] This tool assumes no population growth thus EAD will be constant over analysis period.

K-1 Proposed Drainage Design Map

- Opinion of Probable Cost
- Water Quality Analysis Summary
- SWFWMD Benefit Cost Report

Appendix K – John Nolen Park Water Quality Project



Notes:
1. Existing structures and existing pipes are from the City of Venice Stormwater Infrastructure Inventory as of June 2024.
2. Proposed structures, pipes and upsized pipes are for illustrative purposes and final structure, pipe size design to be included in the design and permitting phase.
3. Project Contributing Area illustrated is based on USGS 2018 LiDAR and the surface water collection system (pipes, swales, and structures).

Legend

Existing
- Structures
- Pipes

Proposed
- Add Structure
- Replace Existing Structure
- Add Pipes
- Remove Pipes
- Dry Retention

JOHN NOLEN PARK WATER QUALITY PROJECT

STORMWATER MASTER PLAN UPDATE

CITY OF VENICE
MARCH 2025

0 250 500 Feet

N

Kimley»Horn | K-I

OPINION OF PROBABLE CONSTRUCTION COST
CITY OF VENICE STORMWATER MASTERPLAN UPDATE

JOHN NOLEN PARK WATER QUALITY PROJECT					
ITEM NO.	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT**
Roadway					
0101 1	MOBILIZATION (5%)	LS	1	$ 46,011.00	$ 46,011.00
0102 1	MAINTENANCE OF TRAFFIC (5%)	LS	1	$ 46,011.00	$ 46,011.00
0104	EROSION CONTROL (3%)	LS	1	$ 27,607.00	$ 27,607.00
0107 2	MOWING	AC	1	$ 57.00	$ 84.93
0110 1 1	CLEARING & GRUBBING	AC	2	$ 51,535.00	$ 77,817.85
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	687	$ 51.00	$ 35,037.00
0120 1	REGULAR EXCAVATION	CY	4810	$ 15.00	$ 72,150.00
	SOIL TRANSPORTATION	CY	4810	$ 12.00	$ 57,720.00
0120 6	EMBANKMENT	CY	577	$ 25.00	$ 14,430.00
	ROADWAY RESTORATION	SY	602	$ 310.00	$ 186,620.00
	TRAIL RESTORATION	LF	1057	$ 65.00	$ 68,705.00
0522 2	CONC SIDEWALK AND DRIVEWAYS, 6" THICK	SY	687	$ 90.00	$ 61,830.00
0570 1 2	PERFORMANCE TURF, SOD	SY	10523	$ 5.00	$ 52,615.00
Drainage					
0425 1201	INLETS, CURB, TYPE 9, <10'	EA	2	$ 10,932.00	$ 21,864.00
0425 2 71	MANHOLES, J-7, <10'	EA	2	$ 16,316.00	$ 32,632.00
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	5	$ 8,497.00	$ 42,485.00
0430 174 124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" SD	LF	890	$ 207.00	$ 184,230.00
Utilities					
	UTILITY RELOCATIONS / ADJUSTMENTS	EA	12	$ 1,000.00	$ 12,000.00
Optional Items					
	NUTRIENT SEPARATION BOX	EA	1	$ 85,000.00	$ 85,000.00
0580 1 2	LANDSCAPE COMPLETE- LARGE PLANTS	LS	1	$ 40,000.00	$ 40,000.00

JOHN NOLEN PARK WATER QUALITY PROJECT	
SUBTOTAL (DOES NOT INCLUDE MOBILIZATION, MOT, AND EROSION CONTROL)	**$ 920,220.78**
MOBILIZATION, MOT, AND EROSION CONTROL	**$ 119,629.00**
O.P.C. SUBTOTAL	**$ 1,039,849.78**
30% Contingency	**$ 276,066.23**
ESTIMATED O.P.C. TOTAL	**$ 1,315,916.01**
ESTIMATED O.P.C. TOTAL WITH OPTIONAL ITEMS	**$ 1,440,916.01**

Disclaimer: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

WATER QUALITY ANALYSIS SUMMARY

John Nolen Park Water Quality Project

Dry Retention

TN Removal %	*TP Removal %*	*Estimated TN Removal Per Year (lbs)*	*Estimated TP Removal Per Year (lbs)*	*Project Lifespan (Years)*	*Total Project TN Removed (lbs)*	*Total Projected TP Removed (lbs)*
66.00	66.00	15.37	3.33	40	614.80	133.16

Estimated Construction Cost ($)	*Project Lifespan (Years)*	*Estimated Annual Maint. ($)*	*Present Value of Maint. ($)*	*Total Present Value Cost of the Project ($)*	*$$/lb of TN Removed*	*$$/lb of TP Removed*
$ 1,315,916	40	$ 19,739	$ 386,887	$ 1,702,803	**$ 2,770**	**$ 12,788**

FY26 Cooperative Funding Initiative Application
Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool
City of Venice Stormwater Masterplan Update

Southwest Florida Water Management District
WATERMATTERS.ORG · 1-800-423-1476

Cooperator/Applicant: *Sarasota County*

Project Number/Name: *John Nolen Park Water Quality Project*

Table A - Benefit Cost Information

Benefit Category	Is this benefit addressed by the proposed project? (Yes/No or N/A)	Can you provide B:C information for the CFI application? (Yes and B:C ratio, No, or N/A)	If you answered "No" in column "C", do you need assistance to be able to provide B:C information? (Yes or N/A)	Additional Comments
Flood Protection	Yes	Yes, 5.76	N/A	
Water Quality Improvement	Yes	Yes, ($2769.70 per lb TN Removed)	N/A	Water quality is addressed with a nutrient separation box.
Additional Benefit 1	N/A	N/A	N/A	
Additional Benefit 2	N/A	N/A	N/A	
Additional Benefit 3	N/A	N/A	N/A	

Table B - Project Benefit Summary

Check all project benefits that are applicable. If you choose to enter a benefit not listed below, please provide a detailed description.

Benefit Considered	Benefit Detail
Benefit Considered	Reduced physical damage (buildings, contents, infrastructure, landscaping, vehicles, equipment, crops, ecosystems)
Benefit Considered	Reduced loss of functions (net loss of business income, net loss of rental income, net loss of wages, net loss of public services, net loss of utility services, displacement costs of temporary quarters, transportation system disruptions)
[x]	Reduced emergency response costs (evacuation and rescue costs, security costs, dewatering flood management system repairs, humanitarian assistance)
[x]	Reduced public safety and health impacts (population at risk, casualties, displacement/shelter needs, critical facilities)

For benefits that could not be quantified in physical terms, please provide a description below. The description should include a description of economic factors that may affect or qualify the amount of economic benefits to be realized. The description should also include any uncertainty (such as model parameterization) that might affect the level of benefits received.

Description of Qualitative Benefits :

Table C - Benefit Cost Analysis

(a)	Expected Annual Damage Without Project (1)	$126,675,034
(b)	Expected Annual Damage With Project (1)	$126,342,008
(c)	Expected Annual Damage Benefit (a) – (b)	$333,026
(d)	Discount Rate	3.1%
(e)	Project Useful Life (# years)	40
(f)	Total Present Value of Future Benefits	$7,574,879
(g)	Total Project Cost	$1,315,916
(h)	Benefit/Cost Ratio	**5.76**

(1) *This tool assumes no population growth thus EAD will be constant over analysis period.*

- Summary Table
- Master Grant Matrix

Appendix F – Grant Opportunities Analysis

	GRANT OPPORTUNITY														
	Hazard Mitigation Grant Program (HMGP)	Southwest Florida Water Management District (SWFWMD)	State of Florida - Resilient Florida Grant Program	FEMA Flood Mitigation Assistance Program	Building Resilient Infrastructure and Communities (BRIC)	319 (h) Nonpoint Source Stormwater Management Grant	Public Works and Economic Adjustment Assistance (EAA) Program	Community Development Block Grant Program (CDBG Annual Competition) (HUD Funds)	CWA Section 319 Nonpoint Source Grant	Appropriations Project	State Water Infrastructure Finance and Innovation Act Program (SWIFIA)	Partners for Places	State Water Quality Assistance Grant (SWAG)	Rebuilding American Infrastructure with Sustainability and Equity (RAISE)	Pre-Disaster Mitigation Program
OUTFALL MODIFICATION PROJECTS															
Outfall 12 Improvements	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔				✔
Matanzas St. Ditch Flood Control	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔				✔
Downtown Flood Impact and Water Quality Improvements	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔				✔
Outfall 22 Nutrient Separation Box	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔				✔
Outfall 10 Improvements	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔				✔
Outfall 15 Improvements	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔				✔
ROADWAY FLOODING IMPROVEMENTS PROJECT															
Home Park Rd Roadway Improvement	✔		✔	✔	✔			✔						✔	
WATER QUALITY PROJECTS															
Venezia Park Water Quality Project	✔	✔	✔	✔	✔	✔	✔	✔	✔			✔	✔		✔
Prentiss French Park Water Quality Project	✔	✔	✔	✔	✔	✔	✔	✔	✔			✔	✔		✔
John Nolen Park Water Quality Project	✔	✔	✔	✔	✔	✔	✔	✔	✔			✔	✔		✔

CITY OF VENICE PROJECTS

1. Outfall 12 Improvements	3. Downtown Flood Impact and Water Quality Improvements	5. Outfall 10 Improvements	7. Home Park Rd Roadway Improvement	9. Prentiss French Park Water Quality Project
2. Matanzas St. Ditch Flood control	4. Outfall 22 Nutrient Separation Box	6. Outfall 15 Improvements	8. Venezia Park Water Quality Project	10. John Nolen Park Water Quality Project

City of Venice Projects	Grant Name	Agency	Funding Max	Required Match	Date Open	Date Due	Grant Period	Priorities	Types of Projects	Grant Stacking/ Federal Fund Braiding
1, 2, 3, 4, 5, 6 7 8, 9, 10	**Hazard Mitigation Grant Program (HMGP)**	Federal Emergency Management Agency (FEMA)	Varies	Yes. 75% Grant 25% Match Required	Funding is historically available following a Presidentially-declared disaster	Varies	Not identified.	Projects that involve: 1. Protection or purchasing public or private property that experienced, or is in danger of experiencing, repetitive damage, 2. Purchasing and removing a flood-prone property from an individual, 3. Developing and adopting hazard mitigation plans, which are required for state, local, tribal and territorial governments to receive funding for their hazard mitigation projects, or 4. Using aquifer storage and recovery, floodplain and street restoration, flood diversion and storage, or green infrastructure methods that may reduce the impacts of flood and drought.	Projects that include long-term efforts to reduce the impacts of future disasters. Examples include flood mitigation projects.	Yes, can submit to other grant funding opportunities (GFOs). Other grant funds generally cannot be used for match requirements. Consider FEMA's workaround: "Global match" where the non-federal cost share across multiple projects can meet the match requirement.
1, 2, 3, 4, 5, 6 7 8, 9, 10	**State of Florida - Resilient Florida Grant Program**	Florida Department of Environmental Protection (FDEP)	No maximum	1 to 1 match. (50% cost-share)	7/1/24. (Opens yearly on July 1st)	Closes yearly on September 1st	Not identified.	Implementation projects to be included in the Statewide Flooding and Sea Level Rise Resilience Plan. Supports projects that target regions and communities vulnerable to the effects of climate change, such as sea-level rise, increased rainfall flooding, and increased frequency of hurricanes.	Capital projects that address one or more of the following: • Tidal Flooding (non-weather event) • Storm Surge (weather event) Rainfall-induced Flooding Compound Flooding (all three of the above). Ex. Seawall improvements, elevate roads Local governments are eligible to apply for implementation project funding after conducting a vulnerability assessment, evaluation, report, or other similar document that demonstrates a risk of flooding or risks due to sea level rise to a critical asset or the project area. Beginning in 2024, a Vulnerability Assessment meeting the requirements of section 380.093, F.S. will be a requirement to receive funding.	Yes, can apply to other GFOs. Potential matching funds can come from other grants. Especially if the funds are from a different federal agency or state government funds.

City of Venice Projects	Grant Name	Agency	Funding Max	Required Match	Date Open	Date Due	Grant Period	Priorities	Types of Projects	Grant Stacking/ Federal Fund Braiding
1, 2, 3, 4, 5, 6 7 8, 9, 10	**FEMA Flood Mitigation Assistance Program**	Federal Emergency Management Agency (FEMA)	$30 million for Community Flood Mitigation Projects Individual Project $300,000 Community Project $900,000	25% non-federal funds required as local match	Application Opening for FY2023 was October 16, 2023	Application deadline for FY2023 was February 29,2024 on FEMA GO Portal	Not identified.	To reduce or eliminate the risk of repetitive flood damage to buildings and structures insured under the National Flood Insurance Program (NFIP)	Flood Mitigation Assistance funds may be used for projects such as Project Scoping; Technical Assistance; Community Flood Mitigation Projects; Individual Structure/Property-Level Flood Mitigation Projects; and Management Costs. Types of Projects/Activities: Localized flood control, floodwater storage and diversion, floodplain and stream restoration, stormwater management, wetland restoration/creation.	Can apply to other FEMA grant opportunities. Other grant awards cannot be used to meet the match requirement.
1, 2, 3, 4, 5, 6 7 8, 9, 10	**Building Resilient Infrastructure and Communities (BRIC)**	Federal Emergency Management Agency (FEMA) via Florida Division of Emergency Management (FDEM)	$50 million	0.25	For FY2023, application opened October 16, 2023	For FY2023, application closed February 29, 2024	36 months	FDEM has the authority and responsibility for developing and maintaining a State Hazard Mitigation Plan, reviewing BRIC subapplications, recommending technically feasible and cost effective subapplications to FEMA. Projects must be included on the County LMS list. Capability and Capacity Building Activities (enhance the knowledge, skills, and expertise of the current workforce, to expand/improve the administration of hazard mit. assistance). Hazard mit. projects (designed to increase resilience and public safety; reduce injuries and loss of life; and reduce damage and destruction to property, critical services, facilities, and infrastructure from natural hazards). Management costs: reimburse the recipient and subrecipient for eligible and reasonable indirect costs, direct administrative costs, and other admin. expenses associated with a specific hazard mitigation project/ Capability and Capacity Building Activity. Eligible Applicant(s): Local Government (applies as Subapplicant to FDEM)	• Nature-based solutions (e.g., investing in aquifer storage and recovery, floodplain and stream restoration, and flood diversion and storage). • Mitigation reconstruction (e.g., demolishing an existing structure and replacing with a code-compliant, elevated structure) • Property acquisition and structure relocation • Structure elevation • Dry floodproofing (e.g., installing backflow values, internal drainage systems • Flood risk reduction (e.g., modifying culverts, constructing retention or detention basins) • Structural and non-structural retrofitting of existing buildings and facilities	Yes, can apply to other GFOs if the cost-share requirements are independently met. Cannot use other federal funds to meet the match requirement.

City of Venice Projects	Grant Name	Agency	Funding Max	Required Match	Date Open	Date Due	Grant Period	Priorities	Types of Projects	Grant Stacking/ Federal Fund Braiding
1, 2, 3, 4, 5, 6 7 8, 9, 10	**Community Development Block Grant Program (CDBG Annual Competition) (HUD Funds)**	U.S. Department of Housing and Urban Development	Competitive Fund. Up to $450,000 Community Enhancement Fund. Up to $250,000. Planning Fund. Unlisted. Economic Development Fund. Up to $250,000	Generally no required match for entitlement communities; however, states may need to provide a dollar-for-dollar match if they exceed $100,000 in administrative costs, up to a maximum of 3% of their total CDBG allocation.	FY2023 applications opened September 2, 2024	FY2023 applications closed on October 31, 2024	Not identified.	All projects must meet one of the three national objectives: Benefit at least 51% of low and moderate-income persons. Aid in the prevention or clearance of slum and blight (meet an urgent need)	Competitive fund: • Water and sewer extensions and rehabilitation. - Housing rehabilitation. - Neighborhood and downtown revitalization • Street and drainage improvements. - Community Enhancement Fund Planning Fund. - Economic Development Fund	Yes, can apply to other GFOs. Yes, federal fund braiding (FFB) is allowed. Consider the Department of Housing and Urban Development (HUD) which allows FFB.
1, 2, 3, 4, 5, 6 8, 9, 10	**Southwest Florida Water Management District (SWFWMD)**	Southwest Florida Water Management District (SWFWMD)	Varies	Yes. 1:1 Match Required	Applications are due the first Friday in October.	Spring/ Summer	Not identified.	1. Water supply projects; 2. Water quality projects; 3. Natural systems restoration projects; and 4. Flood protection projects.	Assists in creating sustainable water resources, provide flood protection, and enhance conservation efforts.	Yes, can submit to other GFOs if projects are in more than one water management district. Other federal grant awards cannot be use for the match requirement.
1, 2, 3, 4, 5, 6 8, 9, 10	**319(h) Nonpoint Source Stormwater Management Grant**	Florida Department of Environmental Protection (FDEP)	Varies	Yes. 1:1 Match Required	Project proposals may be submitted anytime throughout the year (Rolling).	September/ October and March/ April.	36 months	Financial assistance is available to Florida's local governments, including county and municipal governments, special districts, water management districts, other state agencies, public universities/ colleges and national estuary programs located in Florida. If the project is not funded in the current selection cycle, it will be considered in the following cycle with no need to resubmit (unless there is a need to update the proposal). If your project is not selected within the current state fiscal year, the proposal will need to be resubmitted for evaluation.	Eligible projects include/not limited to: 1. Demonstration and evaluation of best managements practices (BMP's), 2. Nonpoint pollution reduction in priority watersheds, 3. Green stormwater infrastructure / low impact development for stormwater, 4. Ground water protection from nonpoint source, 5. Public education programs on nonpoint source management, and 6. Septic to sewer projects.	Yes, can apply to other GFOs as long as there is no conflict with the project scope or funding sources. Other non-federal grants can be used for the match requirement.

City of Venice Projects	Grant Name	Agency	Funding Max	Required Match	Date Open	Date Due	Grant Period	Priorities	Types of Projects	Grant Stacking/ Federal Fund Braiding
1, 2, 3, 4, 5, 6 8, 9, 10	**Public Works and Economic Adjustment Assistance (EAA) Program**	Economic Development Administration (EDA)	$30 million	0.5	Rolling	Rolling	36 months	EDA solicits applications from applicants in order to provide investments that support construction, non-construction, planning, technical assistance, and revolving loan fund projects under EDA's Public Works program and EAA program. Requires applicant meet economic distress criteria: (i) unemployment rate for last 24-month period is 1% higher than national average (Bureau of Labor Statistics); (ii) per capita income 80% or less the national average (based on latest American Community Survey data); (iii) qualifies as Special Need as determined by EDA (see Notice of Funding).	Water and Sewer systems improvements	Can apply for both the Public Works and the Economic Adjustment Assistance programs simultaneously. Can use other federal funds for the match requirement if the other program allows it.
1, 2, 3, 4, 5, 6 8, 9, 10	**CWA Section 319 Nonpoint Source Grant**	Communications Workers of America	The maximum amount of funding available for a Clean Water Act (CWA) section 319(h) nonpoint source grant project is $1.25 million	40% non-federal match (local funds, in-kind services, other non-federal sources)	For FY2025 applications opened on Septemeber 25, 2024	For FY2025 applications closed on December 11, 2024	Not identified.	Funding is distributed via a competitive process to projects that will lead to a direct reduction in pollutant loads and measurable water quality improvements.	Grant proposals should primarily target implementation of nonpoint source components of Total Maximum Daily Loads (TMDls) causes and sources in approved TMDLs or section 303 (d) - listed streams.	Yes, can apply to other GFOs. Federal funds, including in-kind services by staff, cannot be used for the match requirement. An exception exists for the Clean Water State Revolving Fund Loan.

City of Venice Projects	Grant Name	Agency	Funding Max	Required Match	Date Open	Date Due	Grant Period	Priorities	Types of Projects	Grant Stacking/ Federal Fund Braiding
1, 2, 3, 4, 5, 6	**Appropriations Project**	State House of Representatives	The funding cap for CPF can vary by year. For example, in FY2024, the funding cap ranged from $500,000 to $3,000,000.	0%. No match required	Usually happens in late spring or early summer for the following fiscal year's budget.	For FY2023, applications were due November 14, 2023	Not identified.	NOT A GRANT. MUST BE SUBMITTED BY MEMBER OF THE HOUSE OF REPRESENTATIVES Fund a specific item/project for: 1. A local government, private entity, or privately operated program. 2. A specific Transportation facility not part of DOT's 5-year work program 3. An education fixed capital outlay project 4. A specified program, research initiative, center, or similar entity at a state college or university 5. A local water project Eligible Applicant(s): Local government	Any. Recent requests include stormwater improvements, a fire station, a regional park, a fairground arena roof, invasive plant removal, public safety land purchase, cyber attacks, and natural disaster vulnerability reduction.	Generally yes, can apply to other grant opportunities. No match requirement so can apply if applying to multiple grants, the City of Venice can devote funds to the match requirement of the other grant.
1, 2, 3, 4, 5, 6	**State Water Infrastructure Finance and Innovation Act Program (SWIFIA)**	U.S. Environmental Protection Agency	Equal or Exceed $20 million. Must exceed $5 million for small communities with 25,000 people and fewer.	State match is 20% for FY2024 through FY2026. Fees (See Financial Impact): APPLICATION FEE - $25,000 due with application submission and credited to credit processing fee. CREDIT PROCESSING FEE - Reimburses EPA for its financial, technical, and legal advisory costs; Estimated range of $150,000 - $500,000; Varies with project complexity and risk; Due upon execution of loan.	Notice of Funding Availability (NOFA) for letters of Interest (LOIs) opened on October 1, 2024	Continuous review cycle. No fixed deadline.	Not identified.	Letters of Interest were due October 1, 2024 for FY 2025. This is a Loan Program.	Not limited to Water and Wastewater projects.	Generally yes, can apply to other GFOs. No federal grant awards can be used to meet the match requirements.

City of Venice Projects	Grant Name	Agency	Funding Max	Required Match	Date Open	Date Due	Grant Period	Priorities	Types of Projects	Grant Stacking/ Federal Fund Braiding
1, 2, 3, 4, 5, 6	**Pre-Disaster Mitigation Grant Program**	Department of Homeland Security - FEMA	Varies - Millions	Yes. 75%/25% 25% of the total project cost will need to be in the form of a cash match.	For FY2024 application opening date was May 22, 2024	For FY2024, the application closing date was June 28, 2024	Not identified.	The Pre-Disaster Mitigation (PDM) Grant Program makes federal funds available to state, local, tribal, and territorial governments to plan for and implement sustainable cost-effective measures designed to reduce the risk to individuals and property from future natural hazards, while also reducing reliance on federal funding from future disasters.	Dams, Building hardening, Generators, Dredging, Stormwater, and mitigation efforts.	Yes, can apply for other federal grants. Cannot use federal grant awards to meet the matching requirement.
7	**Rebuilding American Infrastructure with Sustainability and Equity (RAISE) (Could tie into water/ wastewater/ stormwater projects)**	U.S. Department of Transportation (DOT)	Minimum is $5 million for capital projects in urban areas and $1 million for rural areas - maximum grant award is $25 million	Yes. 80% Grant 20% Match	March	April	Not identified.	Capital projects that include: 1. road or bridge projects eligible under title 23, US Code; 2. public transportation projects eligible under chapter 53 of title 49, US Code; 3. port infrastructure investments; and 4. intermodal projects.	Supports projects that are for planning and capital investments in surface transportation infrastructure to projects that will have significant local and regional impact, including road, bridge, transit, rail, port, and intermodal transportation projects.	Yes, can apply for other GFOs but cannot use each other to meet the matching requirement.
8, 9, 10	**Partners for Places**	The Funders Network Partners for Places	$25,000 and $75,000 for one-year projects/ $75,000 and $150,000 for two-year projects	Yes. 1:1 Match Required	January	January - Applications open. May: New Awards made. June: New invitation to apply released. July: Applications are due. November: Awards are made. December: New invitation to apply released.	Not identified.	Projects that advance frontline community needs and priorities; Projects that develop a new partnership or deepen an existing one; and Projects that apply a racial equity approach to both the collaboration and project.	Projects that support the planning and the implementing of urban sustainability and green stormwater infrastructure projects.	Generally yes, can apply to other GFOs. Match requires one or more local place-based foundations.

City of Venice Projects	Grant Name	Agency	Funding Max	Required Match	Date Open	Date Due	Grant Period	Priorities	Types of Projects	Grant Stacking/ Federal Fund Braiding
8, 9, 10	**State Water Quality Assistance Grant (SWAG)**	Florida Department of Environmental Protection (FDEP)	Varies	0% but scores more points if included	December	Spring/ Summer	Not identified.	Sustainability projects and efforts.	Water quality improvement projects and flood mitigation efforts. Demonstration and evaluation of best management practices (BMPs). Nonpoint pollution reduction in priority watersheds (areas with water quality restoration plans). Green stormwater infrastructure/low-impact development for stormwater. Groundwater protection from non-point sources.	Yes, can apply to other GFOs. For the match requirement, requires a state match grant/loan.
8, 9, 10	**Pre-Disaster Mitigation Grant Program**	Department of Homeland Security - FEMA	Varies - Millions	Yes. 75%/25% 25% of the total project cost will need to be in the form of a cash match	For FY2024 application opening date was May 22, 2024	For FY2024, the application closing date was June 28, 2024	Not identified.	The Pre-Disaster Mitigation (PDM) Grant Program makes federal funds available to state, local, tribal, and territorial governments to plan for and implement sustainable cost-effective measures designed to reduce the risk to individuals and property from future natural hazards, while also reducing reliance on federal funding from future disasters.	Dams, Building hardening, Generators, Dredging, Stormwater, and mitigation efforts.	Yes, can apply for other federal grants. Cannot use federal grant awards to meet the matching requirement.