

LMS-Appendix A



City of North Port

RESOLUTION NO. 2016-R-02

A RESOLUTION OF THE CITY OF NORTH PORT, FLORIDA, ADOPTING THE 2016 SARASOTA COUNTY UNIFIED LOCAL MITIGATION STRATEGY, WITH THE NORTH PORT FLOODPLAIN MANAGEMENT PLAN ANNEX, AS THE FORMAL GUIDE FOR THE CITY OF NORTH PORT'S HAZARD MITIGATION AND FLOODPLAIN MANAGEMENT ACTIVITIES IN ACCORDANCE WITH PUBLIC LAW 106-390, THE FEDERAL DISASTER MITIGATION ACT 2000 (44 CFR §201.6), AND THE FLORIDA ADMINISTRATIVE CODE RULE 9-G22; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, City of North Port is subject to hazards including, severe weather, hurricanes, tornadoes, floods and wildfires and the City faces potential damage to life, property, natural resources and the local economy; and

WHEREAS, the Sarasota County Unified Local Mitigation Strategy Work Group is comprised of staff of Sarasota County Government; the Cities of North Port, Sarasota, and Venice; the Town of Longboat Key; Sarasota County School Board; and Sarasota Memorial Hospital, and community members is open for participation to any and all interested parties; and

WHEREAS, a City of North Port Community Rating System Work Group has also been formed to review and update the Floodplain Management Plan and is comprised of key City Department and community representatives, with the City's Stormwater Manager as the work group coordinator (City planner as an alternate) and those meetings are open for participation to any and all interested parties; and

WHEREAS, the Work Groups have identified these local hazards and have assessed County- and City-wide vulnerability and risk to these hazards, ultimately identifying and prioritizing mitigation initiatives that would reduce local vulnerability; and

WHEREAS, The Sarasota County Unified Local Mitigation Strategy and the North Port Floodplain Management Plan annex represents the City of North Port's commitment to reduce vulnerability and risks from all hazards, while it serves as a policy guide as resources are committed toward reducing the effects of all hazards, and is required of all communities

participating in the Community Rating System program through which provides flood insurance discounts through the National Flood Insurance Program; and

WHEREAS, initiatives identified, based upon established and accepted criteria, on the Unified Local Mitigation Strategy Project Lists are given greater consideration by State-managed funding programs, including but not limited to the Hazard Mitigation Grant program, the Flood Mitigation Assistance Program, the Pre-Disaster Mitigation Competitive Grant Program, Communities Trust, Community Development Block Grant, Coastal Partnerships Initiative; and

NOW THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF NORTH PORT, FLORIDA, THAT:

SECTION 1

- 1.01 The foregoing "WHEREAS" clauses above are hereby ratified as true and correct, and incorporated herein by reference.
- 1.02 The Sarasota County Unified Local Mitigation Strategy, with the North Port Floodplain Management Plan Annex, is adopted as the formal guide for the City of North Port's hazard mitigation and floodplain management activities.
- 1.03 The City Manager or his designee is authorized to apply for funding to support these activities.

SECTION 2 CONFLICTS

- 2.01 If there is any conflict between this Resolution and any other Resolution or Ordinance, or portions thereof, the provisions of this Resolution shall prevail to the extent of such conflict.

SECTION 3 SEVERABILITY

- 3.01 If any section, subsection, sentence, clause, phrase or portion of this Resolution is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portions.

SECTION 4 EFFECTIVE DATE

4.01 This Resolution shall take effect immediately upon execution by the Chair.

PASSED AND DULY ADOPTED by the City Commission of the City of North Port, Florida this
9th day of February, 2016

CITY OF NORTH PORT

By: Jacqueline Moore

Jacqueline Moore
Mayor

ATTEST:

By: Helen M. Raimbeau

Helen Raimbeau, MMC
City Clerk

Approved as to form and legal sufficiency:

By: Mark Moriarty

Mark Moriarty
City Attorney

RESOLUTION NO. 16R-2561

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF SARASOTA, FLORIDA, ADOPTING THE SARASOTA COUNTY LOCAL MITIGATION STRATEGY AS THE FORMAL GUIDE FOR HAZARD MITIGATION ACTIVITIES OF THE CITY OF SARASOTA IN ACCORDANCE WITH 42 U.S.C., SECTION 5165, 44 C.F.R., SECTION 201.6, PART I OF CHAPTER 252, FLORIDA STATUTES, AND FLORIDA ADMINISTRATIVE CODE CHAPTER 27P-22; SETTING FORTH FINDINGS; AUTHORIZING THE CITY MANAGER OR HIS DESIGNEE TO APPLY FOR FUNDING IN SUPPORT OF HAZARD MITIGATION ACTIVITIES; PROVIDING FOR THE READING OF THIS RESOLUTION BY TITLE ONLY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Sarasota County Local Mitigation Strategy is the representation of Sarasota County's commitment to reduce vulnerability and risks from natural hazards serving as a policy guide as resources are committed toward reducing the effects of natural hazards; and

WHEREAS, the City of Sarasota is subject to natural hazards which include hurricanes, tornadoes, floods, fire and severe weather; and

WHEREAS, the aforementioned natural hazards pose a potential for damage to life, property, natural resources and the local economy; and

WHEREAS, the Sarasota County Local Mitigation Strategy is the work product of the Local Mitigation Strategy Working Group comprised of employees and community members of Sarasota County, the City of Sarasota, the City of Venice, the City of North Port, the Town of Longboat Key, Sarasota County School Board and Sarasota Memorial Hospital, is open for participation to any and all interested parties and is chaired by the Emergency Management Chief of Sarasota County, or his designee; and

WHEREAS, the Working Group has identified local hazards and has assessed County-wide vulnerability and risk resulting from these hazards, so as to ultimately identify and prioritize mitigation initiatives that would reduce local vulnerability; and

WHEREAS, the initiatives identified, based upon established and accepted criteria, on the Local Mitigation Strategy Initiative Lists are given more consideration by State-managed funding programs, including but not limited to the Hazard Mitigation Grant Program, the Flood Mitigation Assistance Program, the Pre-Disaster Mitigation Competitive Grant Program, the Emergency Management Preparedness and

Assistance Trust Fund, Communities Trust, Community Development Block Grant, Coastal Partnerships Initiative; and

WHEREAS, the Local Mitigation Strategy can serve as the flood mitigation plan required of communities participating in the National Flood Insurance Program that seek project funding from the Flood Mitigation Assistance Program; and

WHEREAS, the Local Mitigation Strategy is designed to be a process oriented document encompassing review and revision policies that allow the Local Mitigation Strategy to be changed to meet new or altered conditions including frequency of hazardous events, perceived local needs, completed projects and initiatives as well as funding opportunities; and

WHEREAS, the City of Sarasota, Florida participates in the Community Rating System, a program within the National Flood Insurance Program so as to be eligible for a reduction in the cost of flood insurance for its citizens; and

WHEREAS, it is the intent of the City Commission to obtain credit through the Community Rating System for preparing, adopting, implementing, evaluating and updating a comprehensive floodplain management plan in accordance with the requirements of the Federal Emergency Management Agency (FEMA); and

WHEREAS it is the intent of the City Commission to continue the participation of the City of Sarasota in the Community Rating System within the National Flood Insurance Program.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF SARASOTA, FLORIDA:

Section 1. The City Commission hereby adopts the Sarasota County Local Mitigation Strategy as the formal guide for the City of Sarasota hazard mitigation activities. One copy of the Mitigation Strategy shall be filed with the City Auditor and Clerk and shall be available for review by the public.

Section 2. The City Manager, or his designee, is hereby authorized to apply for funding to support hazard mitigation activities.


Section 3. This Resolution 16R-2561 shall supersede and replace Resolution No. 10R-2185.

Section 4. This Resolution shall take effect immediately upon adoption.

ADOPTED by the City Commission of the City of Sarasota, Florida upon reading by title only, after posting on the bulletin board at City Hall for at least three (3) days prior to adoption, authorized by Article IV, Section 2, of the Charter of the City of Sarasota, this 4th day of April, 2016.


Willie Charles Shaw, Mayor

ATTEST:


Pamela M. Nadalini, MBA, CMC
City Auditor and Clerk

| | |
|------------|------------------------------------|
| <u>Yes</u> | Mayor Willie Charles Shaw |
| <u>Yes</u> | Vice Mayor Suzanne Atwell |
| <u>Yes</u> | Commissioner Liz Alpert |
| <u>Yes</u> | Commissioner Susan Chapman |
| <u>Yes</u> | Commissioner Shelli Freeland Eddie |

RESOLUTION NO. 2016-03

A RESOLUTION OF THE CITY OF VENICE, FLORIDA, SUPERSEDING RESOLUTION NO. 2010-18, ADOPTING THE SARASOTA COUNTY UNIFIED LOCAL MITIGATION STRATEGY 2016 AS THE FORMAL GUIDE FOR THE CITY OF VENICE'S HAZARD MITIGATION ACTIVITIES AND FLOODPLAIN MANAGEMENT PLAN AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Venice is subject to natural and man-made hazards including hurricanes, tornadoes, floods, fires and chemical releases which may cause damage to life, property, natural resources and the local economy; and

WHEREAS, the Local Mitigation Strategy Working Group consists of employees and community members of Sarasota County, City of Sarasota, Sarasota Memorial Hospital, American Red Cross, Sarasota County School Board, City of Venice, City of North Port and the Town of Longboat Key; and

WHEREAS, the Local Mitigation Strategy Working Group is open for participation to any and all interested parties, and is chaired by Sarasota County's Emergency Management Chief, or his designee; and

WHEREAS, the Local Mitigation Strategy Working Group through a series of public meetings held over the past three years has identified the above hazards and has assessed county-wide vulnerability and risk to these hazards; and

WHEREAS, the Local Mitigation Strategy Working Group has identified and prioritized mitigation initiatives that would reduce local vulnerability; and

WHEREAS, the Local Mitigation Strategy, which incorporates the City of Venice Floodplain Management Plan, serves as the Flood Mitigation Plan as required of all communities participating in the National Flood Insurance Program and seeking project funding from the Flood Mitigation Assistance program; and

WHEREAS, the City of Venice Floodplain Management Plan serves as the guide for floodplain management activities for the City of Venice, as required of all communities participating in the National Flood Insurance Program and seeking project funding from the Flood Mitigation Assistance program; and

WHEREAS, initiatives identified on the Local Mitigation Strategy Work Group Project List are given more consideration by state-managed funding programs such as the Hazard Mitigation Grant program, Emergency Management Preparedness Assistance Trust Fund, Communities Trust, Community Development Block Grant, Coastal Partnerships Initiative, and HOME; and

WHEREAS, the Local Mitigation Strategy is designed to be a process-oriented document with review and revision policies that allow the Local Mitigation Strategy to be changed to meet new or changing conditions including hazard-event frequency, perceived local needs and funding opportunities.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF VENICE, FLORIDA, as follows:

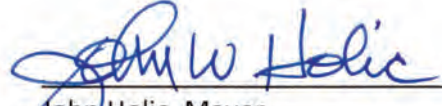
SECTION 1. The Whereas clauses above are ratified and confirmed as true and correct.

SECTION 2. City Council hereby adopts the Sarasota County Unified Local Mitigation Strategy 2016, adopted by the Sarasota County Board of Commissioners on January 12, 2016, as the formal guide for the City of Venice's Hazard Mitigation activities and Floodplain Management Plan.


SECTION 3. This resolution shall supersede Resolution No. 2010-18.

SECTION 4. This Resolution shall take effect immediately upon its adoption.

APPROVED AND ADOPTED AT A REGULAR MEETING OF THE VENICE CITY COUNCIL HELD ON THE 26TH DAY OF JANUARY 2016.

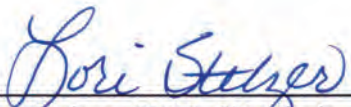

John Holic, Mayor

ATTEST


Lori Stelzer, MMC, City Clerk

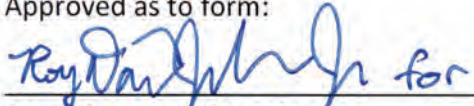
I, **LORI STELZER**, MMC, City Clerk of the City of Venice, Florida, a municipal corporation in Sarasota County, Florida, do hereby certify that the foregoing is a full and complete, true and correct copy of a Resolution duly adopted by the City Council of said City at a meeting thereof duly convened and held on the 26th day of January 2016, a quorum being present.

WITNESS my hand and the official seal of said City this 26th day of January 2016.


Lori Stelzer, MMC, City Clerk

(S E A L)

Approved as to form:


David Persson, City Attorney

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF SARASOTA COUNTY, FLORIDA, ADOPTING THE LOCAL MITIGATION STRATEGY AS THE FORMAL GUIDE FOR SARASOTA COUNTY'S HAZARD MITIGATION ACTIVITIES IN ACCORDANCE WITH 42 U.S.C. §5165, 44 C.F.R. §201.6, Part I of Chapter 201, Florida Statutes, and Florida Administrative Code Chapter 27P-22.

WHEREAS, The Sarasota County Local Mitigation Strategy is the representation of Sarasota County's commitment to reduce vulnerability and risks from natural hazards, serving as a policy guide as resources are committed toward reducing the effects of natural hazards; and

WHEREAS, Sarasota County is subject to natural hazards including, severe weather, hurricanes, tornadoes, floods, fires and faces potential damage to life, property, natural resources and the local economy; and

WHEREAS, the Local Mitigation Strategy Work Group is comprised of employees and community members of Sarasota County Government and the City of Sarasota, the City of Venice, the City of North Port, the Town of Longboat Key, Sarasota County School Board and Sarasota Memorial Hospital, is open for participation to any and all interested parties, and is chaired by the Emergency Management Chief, or his designee, and

WHEREAS, the Work Group has identified these local hazards and has assessed county-wide vulnerability and risk to these hazards, ultimately identifying and prioritizing mitigation initiatives that would reduce local vulnerability; and

WHEREAS, initiatives identified, based upon established and accepted criteria, on the Local Mitigation Strategy Initiatives Lists are given more consideration by state-managed funding programs, including but not limited to the Hazard Mitigation Grant program, the Flood Mitigation Assistance Program, the Pre-Disaster Mitigation Competitive Grant Program, the Emergency Management Preparedness and Assistance trust Fund, Communities Trust, Community Development Block Grant, Coastal Partnerships Initiative, and

WHEREAS, the Local Mitigation Strategy can serve as the Flood Mitigation Plan as required of all communities participating in the National Flood Insurance Program and seeking project funding from the Flood Mitigation Assistance program; and

WHEREAS, the Local Mitigation Strategy supplements and compliments the Post-Disaster Redevelopment Plan as required of all coastal counties in Florida by Florida Administrative Code rule 9J-5 as part of the county Comprehensive Growth Management Plan; and

WHEREAS, the Local Mitigation Strategy is designed to be a process-oriented document with review and revision policies that allow the Local Mitigation Strategy to be changed to meet new or changing conditions including hazard-event frequency, perceived local needs, completed projects and initiatives, and funding opportunities; and

WHEREAS, the Local Mitigation Strategy includes the Sarasota County Floodplain Management Plan, a requirement of the Community Rating System program that serves as a guide for best management floodplain activities; and

WHEREAS, the Sarasota County Floodplain Management Plan will continue to be updated to meet the requirements of the Community Rating System program with updates automatically incorporated into the Local Mitigation Strategy.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF SARASOTA, FLORIDA:

1. The Sarasota County Local Mitigation Strategy is adopted as the formal guide for Sarasota County's Hazard Mitigation Activities.
2. The County Administrator or his designee is authorized to apply for funding to support these activities.
3. This resolution shall supersede Resolution No. 2010-207.

ADOPTED this the 12 day of Jan., 2016.

BOARD OF COUNTY COMMISSIONERS OF
SARASOTA COUNTY, FLORIDA

By: 

Chairperson

ATTEST:

Karen E. Rushing
Clerk of the Circuit Court
And Ex-Officio Clerk of the Board of
County Commissioners

By: 

R 2016-001

RESOLUTION 2016-04

A RESOLUTION OF THE TOWN OF LONGBOAT KEY, FLORIDA, ADOPTING THE SARASOTA COUNTY LOCAL MITIGATION STRATEGY AS A FORMAL GUIDE FOR THE TOWN'S HAZARD MITIGATION STRATEGY AND ACTIVITIES IN ACCORDANCE WITH 42 U.S.C. §5165, 44 C.F.R. §201.6, PART I OF CHAPTER 252, FLORIDA STATUTES, AND CHAPTER 27P-22, FLORIDA ADMINISTRATIVE CODE; PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Sarasota County Local Mitigation Strategy is the representation of Sarasota County and the Town's commitment to reduce vulnerability and risks from natural hazards, serving as a policy guide as resources are committed toward reducing the effects of natural hazards; and

WHEREAS, the Town is subject to natural hazards including, severe weather, hurricanes, tornadoes, floods, and fires and faces potential damage to life, property, natural resources, and the local economy; and

WHEREAS, the Sarasota County Local Mitigation Strategy Work Group ("Work Group") is comprised of employees and community members of the Town of Longboat Key, Sarasota County Government, and the City of Sarasota, the City of Venice, the City of North Port, Sarasota County School Board, and Sarasota Memorial Hospital, and is open for participation to any and all interested parties, and is chaired by the Sarasota County Emergency Management Chief, or his designee; and

WHEREAS, the Work Group has identified the above listed local hazards and has assessed county-wide vulnerability and risk from these hazards, ultimately identifying and prioritizing mitigation initiatives that would reduce local vulnerability; and

WHEREAS, the Work Group has identified certain initiatives with a Local Mitigation Strategy Initiative List, based upon established and accepted criteria; and

WHEREAS, the Work Group's Local Mitigation Strategy Initiatives Lists are given more consideration by state-managed funding programs, including but not limited to the Hazard Mitigation Grant program, the Flood Mitigation Assistance Program, the Pre-Disaster Mitigation Competitive Grant Program, the Emergency Management Preparedness and Assistance Trust Fund, Communities Trust, Community Development Block Grant, and Coastal Partnerships Initiative; and

WHEREAS, an adopted Local Mitigation Strategy can serve as the Flood Mitigation Plan as required of all communities participating in the National Flood Insurance Program and seeking project funding from the Flood Mitigation Assistance program; and

WHEREAS, the Local Mitigation Strategy supplements and compliments the Post-Disaster Redevelopment Plan as required of all coastal counties in Florida by Chapter 27P-22, Florida Administrative Code as part of the County Comprehensive Growth Management Plan; and

WHEREAS, the Local Mitigation Strategy is designed to be a process-oriented document with review and revision policies that allow the Local Mitigation Strategy to be changed to meet new or changing conditions including hazard-event frequency, perceived local needs, completed projects and initiatives, and funding opportunities; and

WHEREAS, the Local Mitigation Strategy includes the Town of Longboat Key Floodplain Management Plan as an Appendices, a requirement of the Community Rating System program that serves as a guide for best management floodplain activities; and

WHEREAS, the Town of Longboat Key Floodplain Management Plan will continue to be updated to meet the requirements of the Community Rating System program with updates automatically incorporated into the Sarasota County Local Mitigation Strategy

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COMMISSION OF THE TOWN OF LONGBOAT KEY, FLORIDA, THAT:

SECTION 1. The above recitals are true and correct and are hereby fully adopted by reference.

SECTION 2. The Sarasota County Local Mitigation Strategy, having been fully coordinated with all supporting departments, agencies, and participating municipal governments, is hereby adopted by the Town of Longboat Key for pursuing hazard mitigation activities and initiatives. A full and complete copy of the Sarasota County Local Mitigation Strategy can be obtained from the Sarasota County Website at:

<https://www.scgov.net/AllHazards/Pages/LocalMitigation.aspx>

SECTION 3. The Town Commission of Longboat Key hereby authorizes the Town Manager or his designee to continue to participate as an active member of the Sarasota County Local Mitigation Strategy Work Group to implement goals and to pursue and apply for potential grant funding opportunities for mitigation projects.

SECTION 4. This Resolution shall take effect immediately upon adoption.

Adopted by the Town Commission of the Town of Longboat Key, Florida on the 7th day of March, 2016.



Jack G. Duncan, Mayor

ATTEST



Trish Granger, Town Clerk

LMS-Appendix B

The Sarasota County Local Mitigation Strategy Work Group By-Laws

ARTICLE I. PURPOSE OF THE LMS WORK GROUP

The Sarasota County Board of County Commissioners, Local Mitigation Strategy (LMS) Work Group is responsible for maintaining current the LMS in accordance with Chapter 27P-22.004 and 27P-22.005 of the Florida Administrative Code. The LMS Work Group will develop a comprehensive planning document intended to reduce or attempt to eliminate the loss of life, property and economic vitality in the event of a natural or technological disaster; to be formally adopted by local government officials, County Commissioners, incorporated jurisdictions within the county for eligibility to pre-disaster mitigation funding and federal disaster relief. The LMS Work Group will develop, update and maintain a comprehensive plan for hazard mitigation which will be intended to accomplish said purpose.

ARTICLE II MEMBERSHIP

Participation in the LMS Work Group is voluntary by all entities. Membership in the LMS Work Group is open to all jurisdictions, county government, private and civic organizations, trade and commercial support groups, property owners associations, Native American Tribes or authorized tribal organizations, State agencies, regional planning council, independent special districts, and non-profit organizations.

Establishment of an LMS Work Group including participants, organizational structure and eligibility are authorized by Chapter 27P-22.004 and 27P-22.005 F.A.C. These rules are authorized under Chapter 252 F.S.

A. Voting members

Jurisdictions within the Sarasota County Local Mitigation Strategy Work Group are based upon the 44 C.F.R. 201.2 and 27P-22.003 F.A.C. and are defined as: any county, municipality, city, town, township, public authority, school district, special district, intrastate district, council of governments (regardless of whether the council of governments is incorporated as a nonprofit corporation under State law), regional or interstate government entity, or agency or instrumentality of a local government; any Indian tribe or authorized tribal organization, or Alaska Native village or organization; and any rural community, unincorporated town or village, or other public entity that would have mitigation projects meeting the eligibility requirements set forth by the Code of Federal Regulations and the Florida Administrative Code.

Jurisdictions in good standing are eligible to vote and submit mitigation projects by complying with each of the following criteria: 1) the jurisdiction must have adopted the most recent LMS by Resolution or Ordinance; and 2) the jurisdiction's voting member or alternate(s) must have attended at least one of the preceding two consecutive most recent LMS Work Group meetings (min. 66.7% attendance rate).

Current jurisdictions within Sarasota County eligible to vote upon satisfying the above prerequisites:

| | |
|------------------------------|----------------------------|
| City of North Port | City of Sarasota |
| City of Venice | Sarasota County |
| Sarasota County School Board | Sarasota Memorial Hospital |
| Town of Longboat Key | |

B. Non voting members

Chapter 27P, (c) F.A.C. – Representation from interested private organizations, civic organizations, trade and commercial support groups, property owners associations, regional planning councils, and non-profit organizations.

The LMS Work Group encourages organizations, community stakeholders and other agencies, listed in Chapter 27P-22.004 and 27P-22.005 F.A.C. above, to demonstrate their participation by endorsing the LMS Work Group by letter and participating in Work Group meetings.

ARTICLE III ORGANIZATIONAL STRUCTURE

A. Officers

The organizational structure of the LMS Work Group shall consist of a Chair and Vice Chair. The Chair will be a staff member of the Sarasota County Emergency Management Department and appointed by the Sarasota County Emergency Management Chief. The Vice Chair will be elected by majority vote of the voting members, with additional officers appointed by the Chair as needed. Any voting member or alternate of the LMS Work Group in good standing as described in Article II. A. is eligible for election as an officer. The Chair of the LMS Work Group will declare meetings, prepare agendas, and preside at each meeting of the LMS Work Group, as well as establish permanent or temporary Committees when necessary and assign personnel to them. The Vice Chair will fulfill the duties and responsibilities of the Chair in his or her absence. The Vice Chair will serve a term of one calendar year beginning January through December and be eligible for re-election.

Elections for officers of the subsequent term will occur during the last quarter meeting of each calendar year.

B. Membership

- Representatives from Sarasota County Board of County Commissioners
- Representatives from each jurisdiction within Sarasota County

- Representatives from private business or civic associations and/or other groups the Chair may invite (per Chapter 27P-22.004 and .005 F.A.C.) who support the LMS.
- Independent Special District
- General Public

C. Committees

A permanent or temporary Committee and their members may be established at any time for special purposes by the LMS Work Group and the Chair. All members of the Committee (s) may vote regardless of their jurisdiction or organizational membership.

1. The Project Ranking Committee

The Project Ranking Committee will work on a permanent basis while scoring projects for ranking purposes. This Committee serves at the pleasure of the Chair and the LMS Work Group and must report to the Work Group on project scoring at each Work Group meeting. Initially, this Committee will meet on a quarterly basis depending on volume of projects.

2. Local Mitigation Strategy Plan Committee

The Local Mitigation Strategy Plan Committee will work on a permanent basis to maintain the plan in accordance with State and Federal regulations. This Committee serves at the pleasure of the Chair and the LMS Work Group and must report to the Work Group on changes to State and Federal regulations that impact the plan. Initially, this Committee will meet on a quarterly basis depending on volume of changes to State and Federal regulations.

D. Staffing

Sarasota County Emergency Services Business Center, Department of Emergency Management will provide staff support to the LMS Work Group, Chair and any Committee created by the Chair. This support shall include technical and clerical support as necessary for the benefit of the LMS Work Group. Other jurisdictions and organizations may also provide such services on a voluntary basis upon request of the chair of the LMS Work Group.

ARTICLE IV RESPONSIBILITIES

All responsibilities of the LMS Work Group shall be as specified by Chapter 27P-22.004 and 27P-22.005 F.A.C These rules are authorized under F.S. 252.

The LMS Work Group will be responsible for oversight and coordination of all actions and decisions by each Committee formed and are solely responsible for formal actions in

the name of the Committee, including the release of reports, development of resolutions, issuance of position papers and similar activities. The LMS Work Group makes assignments to the Committee, coordinates their work and takes action on their recommendations. All duties described above are within the supervision of the LMS Work Group Chair.

A. **Planning**

The LMS Work Group will be responsible to identify, analyze hazards threatening Sarasota County and the vulnerabilities to those hazards as well as to assist in the definition of actions to mitigate the impacts of those hazards; to define structural and non-structural actions needed to decrease the human, economic and environmental impacts of disasters and to prepare for consideration and action by the LMS Work Group a strategy for implementation of those initiatives in both the pre and post-disaster time frame; to define the general financial vulnerability of the community to the impacts of disasters; to assist with identification of initiatives to minimize vulnerabilities; and to seek funding sources for all priority mitigation initiatives identified in the mitigation strategy developed by the LMS Work Group.

B. **Public Information**

The LMS Work Group will encourage public input. Sarasota County Emergency Services Business Center, Department of Emergency Management staff will inform the public about the activities of the LMS Work Group by way of local newspaper published in the Public Meetings section and when possible on the Sarasota County Web site in accordance with Chapter 286 F.S.

ARTICLE V ACTIONS BY THE LMS WORK GROUP

A. **Authority of Actions**

The LMS Work Group voting members have final authority regarding decisions and or actions to the LMS including adoption of recommendations from any or all Committee groups.

B. **Meetings, Voting and Quorum**

Meetings of the LMS Work Group including all Committee groups will be conducted in accord with Robert's Rules of Order, if and when deemed necessary by the Chair of the meeting. Regular meetings of the LMS Work Group will be scheduled at least quarterly with a minimum of ten (10) working days notice. Committee groups, then assigned by the LMS Work Group, will meet as necessary.

Each voting member in good standing, as defined in Article II of this document, is allowed to cast one vote. Voting must be done in person while attending a LMS Work

Group meeting. Proxy voting is not allowed. However, each jurisdiction may designate up to two alternate members who may vote in the absence of the regular voting member. Such alternate voting members must be permanent alternates and so designated at least 10 working days in advance of the meeting at which they will vote. Each jurisdiction must provide a list and maintain any revisions of the regular and alternate members to the LMS Work Group.

All final actions and decisions made by the LMS Work Group will be by affirmative vote of a quorum of the voting members. A quorum consists of a minimum of three (3) voting members in attendance.

The Chair, or the Vice Chair in his or her absence, will not be a general voting member. The Chair or Vice Chair will only cast a vote to break a tie vote.

C. **Special meetings**

Special meetings and any possible voting may be conducted under administrative emergency situations or when other extenuating circumstances judged necessary by both the Chair and Vice Chair of the LMS Work Group. If extenuating circumstances occur and it is impossible for the LMS Work Group to meet together in one location, it is acceptable to meet via conference call, the web or other methods available at that time. All special meetings shall be conducted in accordance with Chapter 125 F.S. under emergency situations including any waivers of Article IV, Public Information.

D. **Public Hearings**

When required by statute or the policies of Sarasota County Board of County Commissioners or when deemed necessary by the LMS Work Group, a public hearing regarding actions under consideration for implementation by the LMS Work Group will be held in accord with Chapter 125 F.S. for public hearings.

E. **Documentation of Actions**

All meetings minutes and other forms of action by the LMS Work Group and any Committees will be documented and made available for inspection by the public as provided by Chapter 119 F.S.

Meeting minutes will be prepared by the Recorder and distributed by the Chair to the attending members for approval. Attending members will have three working days to voice approval or disapproval of the meeting minutes. Failure to respond within three working days will constitute approval of the meeting minutes. Upon approval by the attending members, the Chair will ensure the meeting minutes are recorded with the Sarasota County Public Records office.

ARTICLE VI ADOPTION OF AND AMENDMENTS TO THE BYLAWS

The Bylaws of the LMS may be adopted and/or amended by a two-thirds vote of the voting members present, during a regular meeting. All proposed amendments to the Bylaws will be provided to each member of the LMS Work Group not less than ten (10) working days prior to a vote.

ARTICLE VII DISSOLVEMENT OF THE LMS WORKING GROUP

The LMS Work Group may be dissolved by the affirmative vote of two-thirds of the voting membership in good standing of the LMS Work Group and/or by instruction of the Sarasota County Board of County Commissioners. When the LMS Work Group terminates activity; all remaining documents, records, equipment and supplies belonging to the LMS Work Group will be transferred for disposition to Sarasota County Emergency Services Business Center, Department of Emergency Management who is responsible for the Local Mitigation Strategy per Chapter 27P-22.004 and 27P -22.005 F.A.C. and specific authority F.S. 252.

LMS-Appendix C

HAZARD MITIGATION PROJECT EVALUATION CRITERIA WORKSHEET

This worksheet is used, as a consistent approach, to assign a numeric value to each project. It allows the Sarasota County Local Mitigation Strategy Work Group to prioritize projects relative to one another based on several factors outlined below.

Project Information

| | |
|---|--|
| Project Priority * | |
| Project Score | |
| Name of Project | |
| Brief Description of Project | |
| Hazard Mitigated* | |
| Hazard Mitigation Strategy* | |
| Hazard Mitigation Goals Achieved * | |
| Funding Source | |
| Jurisdiction Project Benefit (List all applicable jurisdictions)* | |
| Jurisdiction | |
| Jurisdiction Project # | |
| Agency Responsible for Implementation | |
| Estimated Cost | |
| Timeframe for Project Completion | |
| Mitigate New or Existing | |

* Refer to The Sarasota County Local Mitigation Strategy Project List notes for assistance.

Project Scoring

Cost or Cost Impact: This would refer to the actual cost of the project over the life of the project and/or the cost impact that would occur because of the project.

| Score | Points | Description |
|-------|--------|--|
| | 4 | No quantifiable Cost or Cost Impact, or the Cost/Cost Impact is less than 50,000 |
| | 3 | Cost/Cost Impact is between \$50,000 and \$250,000 |
| | 2 | Cost/Cost Impact is between \$250,001 and \$1,000,000 |
| | 1 | Cost/Cost Impact is between \$1,000,001 and \$5,000,000 |
| | 0 | Cost/Cost Impact exceeds \$5,000,000 |

Probability of Funding: How likely is it that this project could get funded?

| Score | Points | Description |
|-------|--------|---|
| | 4 | Funding is available through local short-term budgeting (less than two years) or a grant for this type of project is available and the likelihood of success is high. |
| | 3 | Funding is available through local long-term budgeting (more than two years) or grants for this type of project are available, but the likelihood of success is moderate. |
| | 2 | Funding could only be accomplished through matching local dollars with funds from other sources; or would require a blend of funding sources. |
| | 1 | Funding could only be accomplished through post-disaster funding options. |
| | 0 | No funding sources can be identified. |

Probability of Community Acceptance:

| Score | Points | Description |
|-------|--------|---|
| | 4 | This type of project would likely be endorsed by the entire community. |
| | 3 | This type of project would benefit only those directly affected and would not adversely affect the rest of the community. |
| | 2 | This type of project could place some burden of cost on the community, but would likely be endorsed as an acceptable cost for the benefit received. |
| | 1 | This type of project would place a burden of cost on the community that might not win endorsement by residents and/or businesses. |
| | 0 | This type of project is not likely to be endorsed by the community. |

Estimated Ratio of Benefit vs. Cost: The individual or entity proposing this project should have completed a "Consequence Analysis" to support the ratio of benefit vs. cost.

| Score | Points | Description |
|-------|--------|--|
| | 4 | Both quantitative and qualitative benefits make this a high priority project. |
| | 3 | The benefit of this project is 2 to 4, or more, times the cost and/or the qualitative benefits make the project one that should be given a relatively high priority. |
| | 2 | The benefit of this project is over 1, but less than 2 times the cost and/or the qualitative benefits make the project one that should be strongly considered. |

| | |
|---|--|
| 1 | The benefit of this project is equal to or less than the cost and/or the benefits are difficult to quantify due to their qualitative nature. |
| 0 | The ratio of benefits vs. cost cannot be quantified. |

Complexity of Implementation: The following list shows examples of various items that can make a project more complex;

- Time involved for planning and/or completion.
- Involves numerous agencies and/or jurisdictions
- Permitting (Either the type of permitting required or the time period involved, or both)
- Difficulty in obtaining funding
- Requires a public vote
- Requires a public hearing

| Score | Points | Description |
|-------|--------|--|
| | 4 | This project will be relatively easy to put in place in a short period of time. |
| | 3 | This project should not be very complex based on the items listed. |
| | 2 | This project will be somewhat complex due to one of the items listed. |
| | 1 | This is a complex project because it involves at least two of the items listed. |
| | 0 | This is a complex project because it involves three or more of the items listed. |

Addressed in Plans, Programs, and Policies: The following list shows examples of various guiding principles that may affect, or be affected by, the project;

- Goals & Objectives of Sarasota LMS
- Comprehensive Growth Management Plans
- Comprehensive Emergency Management Plans
- Land Development Codes, Zoning Ordinances, or Building Codes
- Environmental, Conservation, Preservation and/or Reclamation plans, programs or policies.
- Statutes, Public Laws, other local laws, and/or other plans, programs, or policies.

| Score | Points | Description |
|-------|--------|--|
| | 4 | This project is addressed in at least three of the items listed. |
| | 3 | This project is addressed in at least two of the items listed. |
| | 2 | This project is addressed in at least one of the items listed. |
| | 1 | Where this project is addressed in any plans, programs or policies is not clear. |
| | 0 | This project may not fall within the purview of Sarasota LMS. |

Health and Safety:

| Score | Points | Description |
|-------|--------|---|
| | 4 | This project could affect the Health & Safety of several jurisdictions (totaling over 250,000 people) and/or major portions of the county population. |
| | 3 | This project could affect the Health & Safety of between 50,000 and 250,000 people |
| | 2 | This project could affect the Health & Safety of between 1,000 and 50,000 people |
| | 1 | This project could affect the Health & Safety of less than 1,000 people. |
| | 0 | This project has no Health & Safety implications. |

| Compilation of Scores | |
|-----------------------|--|
| Scores | Issues |
| | Cost or Cost Impact |
| | Probability of Funding |
| | Probability of Community Acceptance |
| | Ration of Benefit vs. Cost |
| | Complexity of Implementation |
| | Consistency with other Plans, Programs, and Policies |
| | Health and Safety Considerations |
| | Total Score |

Date Completed: _____**Scoring performed by:** _____ Local Mitigation Strategy Committee

_____ Other (Describe): _____

Chair, Co-Chair, or Authorized Committee Member acknowledgement:

LMS-Appendix D

LMS Project List



| | Priority | Name of Project | Description of Project | Hazards Mitigated | Hazard Mitigation Strategy | Mitigation Goals Achieved | Funding Source | Jurisdiction Project Benefit | Jurisdiction Project Owner | Jurisdiction Project # | Agency Responsible for Implementation | Estimated Cost | Project Status (NEW) | Project Status (COMPLETED) | Project Status (IN PROGRESS) | Project Status (DELETED) | Project Status (DEFERRED) | If Deferred: Why? | Timeframe for Project Completion | Mitigate New or Existing | Comments |
|----|----------|--|---|--------------------|----------------------------|---------------------------|--------------------------------------|------------------------------|----------------------------|------------------------|---------------------------------------|----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------|----------------------------------|--------------------------|-----------------------------------|
| 1 | Medium | Reconstruction of Failing Seawalls | Reconstruct existing seawalls City-wide | 1 11 2 7 9 | 5 | 2 | Penny Sales Tax | ALL | SRQ | RP-18.0 | Public Works | \$5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY24 | E (Existing) | On-Going Planning |
| 2 | High | Bayfront Park Seawall | Reconstruct existing seawalls | 1 11 2 7 9 | 5 | 2 | Penny Sales Tax | ALL | SRQ | RP-18.1 | Public Works | \$500K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY20 | E (Existing) | On-Going Planning |
| 3 | High | 10th Street Seawall | Reconstruct existing seawalls | 1 11 2 7 9 | 5 | 2 | Penny Sales Tax | ALL | SRQ | RP-18.2 | Public Works | \$1.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | Sarasota Bay Project |
| 4 | Medium | 12th Street Complex Upgrade | Construct new building | All | 5 | 5 | Penny Sales Tax | 2 4 | SRQ | WU-50.0 | Public Works | \$1.1M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 5 | High | Stormwater utility Projects | Construct improvement to existing storm drainage system | 11 2 7 9 | 6 | 2 | Penny Sales Tax | 2 4 | SRQ | SU-02.0 | Public Works | \$5.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY20 | E (Existing) | On-Going Planning |
| 6 | Medium | Indian Beach Stormwater Project | Make enhancements to existing storm drainage system (Bio) | 11 2 7 9 | 6 | 2 | CIP | 2 | SRQ | SU-03.0 | Public Works | \$3.8M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | Right-of-Way Issues |
| 7 | High | City-wide Traffic Signalization | Replace wire line attachment with mast | 11 12 15 2 8 9 | 2 | 5 | Penny Sales Tax | ALL | SRQ | EN-20.0 | Public Works | \$10M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY24 | E (Existing) | On-Going Planning |
| 8 | High | MLK/Old Bradenton Int. | Replace wire line attachment with mast | 11 12 15 2 8 9 | 2 | 5 | Penny Sales Tax | ALL | SRQ | EN-20.1 | Public Works | \$350K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY20 | E (Existing) | On-Going Planning; HMGP Irma |
| 9 | High | MLK/Cocoanut Int. | Replace wire line attachment with mast | 11 12 15 2 8 9 | 2 | 5 | Penny Sales Tax | ALL | SRQ | EN-20.2 | Public Works | \$350K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY20 | E (Existing) | On-Going Planning; HMGP Irma |
| 10 | High | MLK/Central Int. | Replace wire line attachment with mast | 11 12 15 2 8 9 | 2 | 5 | Penny Sales Tax | ALL | SRQ | EN-20.3 | Public Works | \$350K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY19 | E (Existing) | |
| 11 | High | Coon Key Utility Line Undergrounding | Remove overhead power lines and install underground | 11 12 15 2 8 9 | 5 | 5 | Penny Sales Tax | 2 4 | SRQ | EN-118.0 | Public Works | \$1.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY21 | E (Existing) | On-Going Planning |
| 12 | Medium | Lift Station 87 & 13 | Relocate and construct new lift station | All | 5 | 5 | Revenue Bonds | 2 | SRQ | WU-46 | Utilities | \$32M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY21 | E (Existing) | In Progress |
| 13 | High | Facilities Structural Eval | Structural Evaluation of City Buildings | All | | | CIP | | SRQ | CIP | Facilities | \$100K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | On-Hold |
| 14 | High | RLT Fixed Generator | Install fixed generator at major critical facility | All | 5 | All | General Funds | ALL | SRQ | PR-18.1 | Parks and Recreation | \$410K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY20 | E (Existing) | Pre-construction Phase; HMGP Irma |
| 15 | High | Portable Generator Lift Station 33 | Portable generator for major lift station w/o land area for fixed | 11 12 13 2 5 7 8 9 | 2 5 | 1 2 4 | Operating Fees | 2 4 5 6 7 | SRQ | WU-77 | Utilities | \$75K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding feasibility | | E (Existing) | |
| 16 | High | Portable Generator Lift Station 21 | Portable generator for major lift station w/o land area for fixed | 11 12 13 2 5 7 8 9 | 2 5 | 1 2 4 | Operating Fees | 2 4 5 6 7 | SRQ | WU-78 | Utilities | \$75K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding feasibility | | E (Existing) | |
| 17 | High | Portable Generator Lift Station 27 | Portable generator for major lift station w/o land area for fixed | 11 12 13 2 5 7 8 9 | 2 5 | 1 2 4 | Operating Fees | 2 4 5 6 7 | SRQ | WU-79 | Utilities | \$75K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding feasibility | | E (Existing) | |
| 18 | High | Portable Generator Lift Station 30 | Portable generator for major lift station w/o land area for fixed | 11 12 13 2 5 7 8 9 | 11 12 13 2 5 7 8 9 | 1 2 4 All | Operating Fees | 2 4 5 6 7 | SRQ | WU-80 | Utilities | \$200K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY21 | E (Existing) | On-Going Planning |
| 19 | High | Rep/Loss Study | Repetitive loss study on identified locations | 1 11 2 6 7 9 | 6 | All | General Funds | 2 4 5 6 7 | SRQ | DS/GRS1 | Develop Services | \$75K | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 20 | High | Purchase lots along the Myakkahatchee Creek | Purchase lots to reduce flood vulnerability | All | 1 | 2,4 | FDEP Grants | 1 4 | NP | N/A | CM, NDS, PW | \$3.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 21 | High | Deer Prairie Creek Bridge | Install bridge in order to decrease response time | All | 5 | 5 | CIP Grants Infrastructure Surtax III | 1 5 | NP | N/A | Fire Rescue | \$1M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | 2024 | E (Existing) | |
| 22 | High | City EOC/Fire Rescue HCU/Dispatch/Property Evidence Building | Build a new facility to accommodate emergency operations center to include showers, and back-up emergency power to entire bldg | All | 2 | 5 | Grants HMGP Other City Funds | ALL | NP | N/A | Public Works, FM | \$6M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | Preliminary planning started |
| 23 | High | North Port Utilities Admin/Field Operations | Replace buildings with hardened structures | All | 2 3 | 5 | Revenue Bonds User Rates | ALL | NP | N/A | Utilities | \$13.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2023 | E (Existing) | Planning started. |
| 24 | Medium | North Port Utilities | To add additional wells to the current wellfield to increase drought tolerance and protect the existing system | 4 | 5 | 1 4 5 | Capacity Fees | ALL | NP | N/A | Utilities | \$4.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | |
| 25 | Medium | Hardening of water & sewer utility structures | Upgrade utility structures at bridge crossings, etc | All | 5 | 5 | User Rates | ALL | NP | N/A | Utilities | \$600K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2020 | E (Existing) | |
| 26 | Medium | Additional emergency water interconnect | 12" Potable water emergency inter-connect between Sarasota and NP | All | 5 | 5 | County User Rates | 1 4 | NP | N/A | Utilities | \$32K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | 2021 | E (Existing) | |
| 27 | High | Replacement of shallow depth water and wastewater lines at Lazy River | | 4 | 5 | 1 2 5 | User Rates | 1 2 4 | NP | N/A | Utilities | \$150K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | |
| 28 | High | Inflow & Infiltration in identified areas of the City | | 10 | 2 5 | 1 4 5 | User Rates | 1 5 | NP | N/A | Utilities | \$300K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | |
| 29 | High | Vault style master pumping lift station #12 rehabilitation to ground level | | All | 2 5 7 | 1 2 4 5 | User Rates | 1 | NP | N/A | Utilities | \$370K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | E (Existing) | |
| 30 | High | Phase 1 Water Treatment Plant rehabilitation of Flocculation #1 | | All | 2 5 | 2 4 5 | User Rates | 1 5 | NP | N/A | Utilities | \$575K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | E (Existing) | |
| 31 | High | Distribution line installation to serve the Western reaches of the City based on hydraulic modeling | | 4 | 5 | 1 4 | Capacity Fees | 1 4 5 | NP | N/A | Utilities | \$3.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | N (New) | |
| 32 | High | Rehabilitation of lift stations that are 30 plus years old that have been identified in need | | All | 2 5 7 | 1 2 5 | User Rates | 1 5 | NP | N/A | Utilities | \$150K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | E (Existing) | |
| 33 | High | VFDs installed on current raw water intake structures at the Water Treatment Plant | | All | 2 5 | 1 4 | User Rates | 1 4 5 | NP | N/A | Utilities | \$30K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | E (Existing) | |
| 34 | High | Installation of additional analyzers and integration to SCADA to achieve 24 hour operations at the Water Treatment Plant | | All | 2 | 1 2 4 | User Rates | 1 4 5 | NP | N/A | Utilities | \$48K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | E (Existing) | |
| 35 | High | Upgrade the 14 year old control panel at the Wastewater Treatment Plant to improve operational efficiency | | All | 2 | 1 2 5 | User Rates | 1 4 5 | NP | N/A | Utilities | \$35K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | |
| 36 | Medium | Public Works Administration Building | Replace buildings with hardened structures | All | 2 3 | 5 | RDA | ALL | NP | N/A | Public Works | \$6.28M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | N (New) | |
| 37 | High | Pipe Lining on major outfalls | CMP pipes that are difficult to replace can be lined. Only those that are deemed structurally sufficient can be lined. All others will need to be replaced. | All | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$1M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 38 | NA | Design 4 Lane Price Blvd Sumter to Toledo Blade | Four-lane and elevate roadway. | All | 5 | 5 | Surtax III | ALL | NP | N/A | Public Works | \$2.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | 2020 | E (Existing) | |
| 39 | NA | Construct 4 Lane Price Blvd Sumter to Toledo Blade | Four-lane and elevate roadway. | All | 5 | 5 | Grants Other City Funds Surtax III | ALL | NP | N/A | Public Works | \$43M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2022 | E (Existing) | |
| 40 | High | Design 4 Lane Price Blvd Sumter to West of North Port High School | Four-lane and elevate roadway. | All | 5 | 5 | Grants Other City Funds Surtax III | ALL | NP | N/A | Public Works | \$7M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 41 | High | Construct 4 Lane Price Blvd Sumter to West of North Port High School | Four-lane and elevate roadway. | All | 5 | 5 | Grants Other City Funds Surtax III | ALL | NP | N/A | Public Works | \$33M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 42 | High | Design 4 Lane Price Blvd Toledo Blade to Haberland | Four-lane and elevate roadway. | All | 5 | 5 | Surtax III | ALL | NP | N/A | Public Works | \$5.6M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Level of Service | As funding is available | E (Existing) | |
| 43 | High | Construct 4 Lane Price Blvd Toledo Blade to Haberland | Four-lane and elevate roadway. | All | 5 | 5 | Surtax III | ALL | NP | N/A | Public Works | \$30.7M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Level of Service | As funding is available | E (Existing) | |
| 44 | High | Design 4 Lane Price Blvd Haberland to Veterans | Four-lane and elevate roadway. | All | 5 | 5 | Surtax III | ALL | NP | N/A | Public Works | \$6.7M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Level of Service | As funding is available | E (Existing) | |
| 45 | High | Construct 4 Lane Price Blvd Haberland to Veterans | Four-lane and elevate roadway. | All | 5 | 5 | Surtax III | ALL | NP | N/A | Public Works | \$34M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Level of Service | As funding is available | E (Existing) | |
| 46 | High | Toledo Blade Blvd Extension, Tropicaine Blvd to SR72 | Roadway extension | 9 | 2 | 1 | Revenue Bonds | 1 | 4 NP | N/A | Public Works | \$16M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | N (New) | |
| 47 | High | Big Slough Flood Reduction Study | Consultant to recommend solutions to reduce flooding in 2 areas | 2 7 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$300K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2020 | E (Existing) | Funded by SWFWMD |
| 48 | High | Design replacement for flood control structure #115 | Corroded Structure Need to rehab. replace for flood protection | 11 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$109K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2017 | E (Existing) | |
| 49 | High | Construct replacement for flood control structure #115 | Corroded Structure Need to rehab. replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$165K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2018 | E (Existing) | |
| 50 | High | Design replacement for flood control structure #106 | Corroded Structure Need to rehab. replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$168K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2018 | E (Existing) | |

| | Priority | Name of Project | Description of Project | Hazards Mitigated | Hazard Mitigation Strategy | Mitigation Goals Achieved | Funding Source | Jurisdiction Project Benefit | Jurisdiction Project Owner | Jurisdiction Project # | Agency Responsible for Implementation | Estimated Cost | Project Status (NEW) | Project Status (COMPLETED) | Project Status (IN PROGRESS) | Project Status (DELETED) | Project Status (DEFERRED) | If Deferred; Why? | Timeframe for Project Completion | Mitigate New or Existing | Comments |
|-----|----------|--|---|-------------------|----------------------------|---------------------------|---|------------------------------|----------------------------|------------------------|---------------------------------------|----------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------|----------------------------------|--------------------------|---|
| 51 | High | Construct replacement for flood control structure #106 | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$2.274M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2020 | E (Existing) | |
| 52 | High | Design replacement for flood control structure #108 | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$192K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2020 | E (Existing) | |
| 53 | High | Construct replacement for flood control structure #108 | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | 2.48M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | 2021 | E (Existing) | |
| 54 | High | Design replacement for flood control structure #113 | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | HMGP RDA Surtax III | 1 4 | NP | N/A | Public Works | \$308K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 55 | High | Construct replacement for flood control structure #113 | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | HMGP RDA Surtax III | 1 4 | NP | N/A | Public Works | \$3.85M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 56 | High | Design replacement for flood control structure #114 | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$300K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 57 | High | Construct replacement for flood control structure #114 | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$3.6M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 58 | High | Design replacement for flood control structure #157 | Corroded structure. Needs rehabilitated and replaced for flood protection. | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | Grants RDA Surtax III | 1 4 | NP | N/A | Public Works | \$175K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 59 | High | Construct replacement for flood control structure #157 | Corroded structure. Needs rehabilitated and replaced for flood protection. | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | Grants RDA Surtax III | 1 4 | NP | N/A | Public Works | \$1.8M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 60 | Medium | Design replacement for other flood control structures | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$500K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 61 | Medium | Construct replacement for other flood control structures | Corroded Structure Need to rehab, replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$3M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 62 | Medium | Drainage System Improvements | Rehab and replacement of swales, ditches, pipes, outfalls and canals | 11 2 7 9 | 5 6 7 | 1 2 | RDA Surtax III | 1 | NP | N/A | Public Works | \$1.5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | E (Existing) | |
| 63 | Medium | Bridge Rehabilitation and Repairs | Repairs to evacuation route bridges | 2 9 | 3 | 1 | RDA Surtax III | 1 4 | NP | N/A | Public Works | \$1.5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | E (Existing) | |
| 64 | Medium | Big Slough Flood Reduction Projects | Implementations of projects to reduce flooding | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$43M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 65 | High | Property Maintenance Yard | Replace buildings with hardened structures | All | 2 3 | 5 | CIP HMGP | ALL | NP | N/A | Parks and Rec | \$7M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | |
| 66 | High | Generator for City Hall | Add emergency power to entire building | All | 2 3 | 5 | CIP HMGP | ALL | NP | N/A | Public Works FM | \$1M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | |
| 67 | High | Lift station bypass pump project | Upgrade existing lift stations to include bypass pumps at all major stations. | All | 2 3 5 | All | User Rates | 1 | NP | N/A | Utilities | \$5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2029 | E (Existing) | |
| 68 | Medium | North Port THIRA Update | Update to the THIRA Plan | All | All | All | General Revenues Grants | 1 | NP | N/A | Fire | \$30K | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 69 | N/A | Streets and drainage improvements | Provide additional drainage and retention in suitable locations | 5 | 1 | 5 | CIP HMGP | 7 | LBK | LBK9 | Public Works | \$600K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | 2013-2017 | E (Existing) | \$200K Completed 2013/14 |
| 70 | N/A | Purchase generators | Reduce dependency on rental equipment | All | 5 | All | CIP HMGP | ALL | LBK | LBK13 | Public Works | \$165K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | 2017 | N (New) | \$80K Completed 2013-15 |
| 71 | High | North shore groins | Reduce beach erosion | 1 | 4 | 4 | CIP HMGP | 2 3 4 7 | LBK | LBK18 | Public Works | \$2.5M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2015 | N (New) | |
| 72 | High | North potable water connection | Replace existing potable water connection to community | All | 5 | All | CIP HMGP | ALL | LBK | LBK19 | Public Works | \$1.2M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2015 | N (New) | |
| 73 | Medium | South Fire Station 92 | Renovate or replace current fire station | All | 5 | All | CIP HMGP | ALL | LBK | LBK20 | Public Works | \$1.4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2015-2018 | N (New) | |
| 74 | High | Wastewater force main | Replace existing wastewater connection to Manatee County | 4 | 4 | All | CIP HMGP | ALL | LBK | LBK21 | Public Works | \$15M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2015-2020 | E (Existing) | |
| 75 | High | Lift station E renovations | Upgrade motors, controls, roof, and exterior of building | All | 2 | 5 | CIP HMGP | 7 | LBK | LBK4 | Public Works | \$700K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2015 | E (Existing) | \$1.2M Completed 2015; In-progress includes upgrades. |
| 76 | High | Town Hall renovations | Hurricane shutters and generator upgrade | All | 2 | 5 | CIP HMGP | 7 | LBK | LBK5 | Public Works | \$473,333.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2019/20 | E (Existing) | Grant Application |
| 77 | High | North fire renovations | Hurricane shutters and upgrade apparatus bay doors | All | 2 | 5 | CIP HMGP | 7 | LBK | LBK6 | Public Works | \$71.5K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2019/20 | E (Existing) | Grant Application |
| 78 | High | Police department renovations | Hurricane shutters and exterior of building | All | 2 | 5 | CIP HMGP | 7 | LBK | LBK7 | Public Works | \$56K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2019/20 | E (Existing) | Grant Application |
| 79 | High | Upgrade & Update 800 MHz Emergency Comm System | Replace countywide public safety mission critical voice system w/regional integrated IP | All | 2 3 | | Commercial Paper Manatee County Stormwater Assessments Surtax III Utility Rates | | Sarasota County | 84355 | Emergency Services | \$15.35M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/10-09/2019 | E (Existing) | fy19 THRU 2023 CIP/84355.pdf |
| 80 | High | Next Generation 9-1-1 Phase II | Build upon Next Generation Project #843232 upgrade systems that support NG9-1-1 | All | 2 3 | | 911 Funds | | Sarasota County | 84358 | Emergency Services | \$1.25M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 9/2023 | E (Existing) | fy19 THRU 2023 CIP/84358.pdf |
| 81 | High | Fire Station Apex Rd | Construct and equip +13,000 sq. ft. 4 bay fire rescue station and special ops storage facility | All | 2 3 | | Commercial Paper EMS Impact Fees Fire Impact Fees | | Sarasota County | 84359 | Emergency Services | \$8.6M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/17 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/84359.pdf |
| 82 | High | Fire Station Bee Ridge Rd | Construct and equip 8600 sq ft 3 bay fire rescue | All | 2 3 | | Commercial Paper Fire and EMS Assessments | | Sarasota County | 84360 | Emergency Services | \$5.3M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 9/2020 | N (New) | fy19 THRU 2023 CIP/84360.pdf |
| 83 | High | Hardened Emergency Evacuation Ctr Space | Design Construct 20,000 sq ft hardened shelter Central Sarasota County Area. | All | 2 3 | | Surtax III | | Sarasota County | 84362 | Emergency Services | \$3M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 9/20 | N (New) | fy19 THRU 2023 CIP/84362.pdf |
| 84 | Medium | Enterprise GIS/Browser Based Land Info Mgt Sys | Implement a GIS browser based Land Info Mgmt Syst | All | 2 3 | | Building Permit Fees IT Project Funding | | Sarasota County | 83185 | EIT | \$4.9M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/09 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83185.pdf |
| 85 | Low | GRM Gov't Revenue Mgmt Sys | GRM formerly Prop Appraiser automates operations | All | 2 | | Long Term Bond | | Sarasota County | 83186 | EIT | \$3M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/09 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/83186.pdf |
| 86 | Low | Enterprise Content Mgmt System (ECMS) | Acquisition ECMS purchase install and configure | All | 2 | | Tech Internal Service Fees | | Sarasota County | 83297 | EIT | \$1.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/14 to 9/2019 | E (Existing) | fy19 THRU 2023 CIP/83297.pdf |
| 87 | Low | IT Service Mgmt (ITSM) Replacement System | Replace current HELP application with ITSM solution | All | 2 | | Tech Internal Service Fees | | Sarasota County | 83308 | EIT | \$450K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/16 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83308.pdf |
| 88 | Low | Master Capital Project Planning and Development Program | Advanced CIP planning and development | All | 2 | | General Revenues | | Sarasota County | 83115 | General Services | \$1.3M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/02 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP/83115.pdf |
| 89 | High | Jail Facility Renovation Replacements and Upgrades | Renovations repairs to Sarasota County Jail | All | 2 3 | | General Revenues | | Sarasota County | 83237 | General Services | \$9.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/05 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP/83237.pdf |
| 90 | High | Facilities Renovations Upgrades and Replacements Program | Bldg access systems upgrade FEMA 490 compliant essential facilities | All | 2 | | Commercial Paper General Revenues Surtax III | | Sarasota County | 83238 | General Services | \$32.6M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/05 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP/83238.pdf |
| 91 | High | Venice Fuel Site Replacement | Renovation of fuel site at Venice Fleet Facility | All | 2 | | Commercial Paper Fleet User Fees | | Sarasota County | 83295 | General Services | \$1.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/14 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83295.pdf |
| 92 | Medium | Downtown Cooling Plant Replacemtn Full Design | Design and Construct central energy plant (CEP) | All | 2 | | General Revenues | | Sarasota County | 83304 | General Services | \$1.25M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/83314.pdf |
| 93 | High | Pinkney Ave Fuel Site Replacement | Design and renovate fuel site and Bee Ridge Fire Station 8 | All | 2 | | Commercial Paper Fleet User Fees | | Sarasota County | 83310 | General Services | \$1.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/17 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83310.pdf |
| 94 | High | Bee Ridge Fuel Site Replacement | Renovate fuel may be combined with Fire Station #8 | All | 2 | | Commercial Paper Fleet User Fees | | Sarasota County | 83311 | General Services | \$1.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/17 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83311.pdf |
| 95 | High | Sheriff's Off Support Services Facility Design & Construction | Construct new Sheriff's Support Facility | All | 2 | | Commercial Paper Justice Impact Fees Law Enforcement Impact Fees | | Sarasota County | 83312 | General Services | \$20.8M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/16 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/83312.pdf |
| 96 | High | South County Courts/RL Anderson Bldg Remodel | Significant civil site work and new 4 courtroom courthouse and renovations to RL Anderson existing bldg | All | 2 | | Commercial Paper Justice Impact Fees Law Enforcement Impact Fees | | Sarasota County | 83314 | General Services | \$26.3M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/16 to 09/2021 | E (Existing) | fy19 THRU 2023 CIP/83314.pdf |
| 97 | High | Pinkney Fire Station 20 Wash Rack System | Construct concrete pad and install wash rack system | All | 2 | | Fleet User Fees | | Sarasota County | 83315 | General Services | \$400K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/17 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83315.pdf |
| 98 | High | Sheriff's Office Administrative Headquarters | Acquisition and equip land and bldg for use as Sarasota Sheriff's Office Adm Hdqtrs | All | 2 | | General Revenues Half-Cent Sales Tax | | Sarasota County | 83313 | General Services | \$18.4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/16 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83313.pdf |
| 99 | Medium | South County Safety Bldg Renovations Upgrades and Replacements | Systematic repair renovation upgrade installation and replacement of key operating systems including roofing systle upgrade and generator | All | 2 | | Fire and EMS Assessments General Revenues | | Sarasota County | 83318 | General Services | \$1.07M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/16 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83318.pdf |
| 100 | Low | Human Resources Management System | Replace current HR System w/ comprehensive cloud based Human Capital Mgmt Software | All | 2 | | Transfer from CIP 83292 and 1.8M Technology Internal Service Fees | | Sarasota County | 83309 | Human Resources | \$2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/16 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83309.pdf |
| 101 | Low | Computer & Circulation Materials Purchase Program | Augments collection ofbooks and other materials, update systems user database | All | 2 | | Capital Improvements Library Impact Fees | | Sarasota County | 74203 | Libraries and Historical Resources | \$4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/06 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP/74203.pdf |

| | Priority | Name of Project | Description of Project | Hazards Mitigated | Hazard Mitigation Strategy | Mitigation Goals Achieved | Funding Source | Jurisdiction Project Benefit | Jurisdiction Project Owner | Jurisdiction Project # | Agency Responsible for Implementation | Estimated Cost | Project Status (NEW) | Project Status (COMPLETED) | Project Status (IN PROGRESS) | Project Status (DELETED) | Project Status (DEFERRED) | If Deferred; Why? | Timeframe for Project Completion | Mitigate New or Existing | Comments |
|-----|----------|--|---|-------------------|----------------------------|---------------------------|--|------------------------------|----------------------------|------------------------|---|----------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------|----------------------------------|--------------------------|-----------------------------|
| 102 | Low | Library Technology and Books Program | Increase Library computer system and add materials to collection | All | 2 | | Gen Govt Surtax Infrastructure Surtax FY08-FY09 Revenue Bonds Surtax 3 Rev Note FY16 Surtax III | | Sarasota County | 83179 | Libraries and Historical Resources | \$9M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/08 to 09/2024 | E (Existing) | fy19 THRU 2023 CIP83179.pdf |
| 103 | Low | Venice Library | Replace former library facility at 300 S Nokomis Ave site | All | 2 | | Commercial Paper Private Donation Surtax 3 Rev Note FY16 Surtax III | | Sarasota County | 83190 | Libraries and Historical Resources | \$12.1M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP83190.pdf |
| 104 | Medium | Old Miakka -Davidson ESLLPP Parcel Acquisition & Start UP | 20 acre parcel within Old Miakka Protection priority site | All | 2 | | ESLPP Funds Transferable Dev Rights | | Sarasota County | 85645 | Parks, Recreation and Natural Resources | \$423K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 05/18 to 09/2018 | E (Existing) | fy19 THRU 2023 CIP85645.pdf |
| 105 | High | Spill Island Restoration Program | Restore degraded coastal habitat | All | 2 | | Community Foundation Grants Infrastructure Surtax III Pollution Recovery RESTORE ACT SWFWMD Grants WQOND | | Sarasota County | 85459 | Planning and Development Services | \$2.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2003 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP85459.pdf |
| 106 | High | Repetitive Loss Properties and Severe Repetitive Loss Properties | Current 212 Properties Total repetitive flooding require mitigation Addresses under protection Federal Privacy Act 1974 see CRS Coordinator for list | All | 2 | | Potential Flood Mitigation Assistance Grants | | Sarasota County | | Protected Federal Privacy Act | \$0.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Awaiting funding | 1992 to present | E (Existing) | CRS Coordinator |
| 107 | High | Bee Ridge WRF Renovation Replacement and Upgrade Program | Renovations, replacements and upgrades to operate 24/7 | All | 2 | | Utility Rates | | Sarasota County | 88053 | Public Utilities | \$2.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88053.pdf |
| 108 | High | Central County WRF Improvements | Rehabilitation and improvements to enhance operational capabilities at COWRF | All | 2 | | Enterprise Fund Planned Borrows FY20-FY23 Utility Rates | | Sarasota County | 88062 | Public Utilities | \$18M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88062.pdf |
| 109 | Medium | Honore Ave Reclaimed Extension | Resuse extension project multi-year multiphase to extend reclaimed service to future development south of SR881 | All | 2 | | Enterprise Fund Planned Borrows FY20-FY23 Utility Rates | | Sarasota County | 88058 | Public Utilities | \$3.4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18-09/2023 | E (Existing) | fy19 THRU 2023 CIP88058.pdf |
| 110 | Medium | Venice Gardens WRF Renovation Replacement and Upgrade | Renovations replacements and upgrades of equipment components and system at the VG Water Reclamation Facility | All | 2 | | Utility Rates | | Sarasota County | 88054 | Public Utilities | \$1.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88054.pdf |
| 111 | Medium | Venice Gardens WTP Renovation Replacement and Upgrade Program | Renovate Venice Garden Water Treatment Plant | All | 2 | | Utility Rates | | Sarasota County | 88056 | Public Utilities | \$1.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88056.pdf |
| 112 | High | Wastewater Pump Stations Resiliency Improvement Program | Resiliency Improvements including fixed generators | All | 2 | | Utility Rates | | Sarasota County | 88065 | Public Utilities | \$15M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88065.pdf |
| 113 | Medium | Bee Ridge WRF Reclaimed Systems Improvements | Design Permit and construct exploratory well to determine aquifer conditions underlying the Ree Ridge Water Reclamation Facility site | All | 2 | | Utility Rates Wastewater Capacity Fees | | Sarasota County | 88015 | Public Utilities | \$14.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88015.pdf |
| 114 | Medium | Carlton WTF Replacement of 3 EDR Units | End of useful life need to be rehabilitated with current EDR technology Phases I and II of CIP 55983 replace 5 of 10 EDR units and corrected structural deficiencies Phase III remove 5 units and add 3 new EDR | All | 2 | | Enterprise Fund Planned Borrows FY20-FY23 Utility Rates | | Sarasota County | 88050 | Public Utilities | \$17.7M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2022 | E (Existing) | fy19 THRU 2023 CIP88050.pdf |
| 115 | Medium | Carlton WTF Replacement of Final 2 EDR Units | Final Phase will add two units total count to 10 (previous CIP 55983 and 88050) removed all 10 and replaced 8 new EDR units) | All | 2 | | Enterprise Fund Planned Borrows FY20-FY23 Utility Rates | | Sarasota County | 88051 | Public Utilities | \$6M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2021 to 09/2023 | N (New) | fy19 THRU 2023 CIP88051.pdf |
| 116 | Low | East Venice Ave Water Line | Construct 7,400 ft of water line along E Venice Ave between Wading Bird Dr and Lee Rd | All | 2 | | Utility Rates | | Sarasota County | 88008 | Public Utilities | \$2.1M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2012 TO 09/2023 | E (Existing) | fy19 THRU 2023 CIP88008.pdf |
| 117 | Low | Fruitville Water Reclamation Facility Demolition | Decommission Fruitville WRF remove all equipment buildings tanks infrastructure fencing etc. | All | 2 | | Utility Rates | | Sarasota County | 88044 | Public Utilities | \$1.5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2021 to 09/2022 | N (New) | fy19 THRU 2023 CIP88044.pdf |
| 118 | Low | Infiltration & Inflow Reduction Program | Replace or rehabilitate beyond routine maintenance existing sewer gravity mains sewer force mains, manholes, terminal sewer connections as necessary | All | 2 | | Utility Rates | | Sarasota County | 55957 | Public Utilities | \$39.4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/10 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP55957.pdf |
| 119 | Low | Interconnect Reuse Main Improvements | Design, Permit, Construct reuse transmission interconnect between Bee Ridge Water Reclamation Facility and Central County Water Reclamation Facility | All | 2 | | Enterprise Fund Planned Borrows FY20-FY23 Utility Revenue Bond Series 2016A/Rates | | Sarasota County | 88023 | Public Utilities | \$21.4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88023.pdf |
| 120 | Medium | Interconnect Water Main Improvements Peace River | Extend Potable water main along Clark and Proctor from future terminus of Peace River Manasota Regional Water Supply Authority | All | 2 | | Commercial Paper Revenue Bonds Utility Rates | | Sarasota County | 88024 | Public Utilities | \$10.9M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP88024.pdf |
| 121 | Low | Oversizing Reuse Facilities Program | Enlarge extend or oversize reuse water facilities concurrent w/when development to promote extension of facilities | All | 2 | | Utility Rates | | Sarasota County | 88022 | Public Utilities | \$2.6M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88022.pdf |
| 122 | Low | Radio Telemetry Wastewater Upgrade Program | Current SCADA system requires upgrades and integration with server hub at Carlton Water Treatment facility to allow system wide monitoring | All | 2 | | Utility Rates | | Sarasota County | 55998 | Public Utilities | \$8M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/10 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP55998.pdf |
| 123 | Low | Radio Telemetry Water Upgrade Program | Upgrades new instrumentation network and control systems for water distribution system Carlton WTF, Venice Gardens WTF all pump stations and water distribution monitoring systems | All | 2 | | Utility Rates | | Sarasota County | 55962 | Public Utilities | \$5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/06 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP55962.pdf |
| 124 | Low | Reuse System Rehabilitation Program | Rehabilitation beyond normal maintenance of existing reuse mains, valves, connections and pumps throughout the County | All | 2 | | Utility Rates | | Sarasota County | 88021 | Public Utilities | \$2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88021.pdf |
| 125 | Low | South Gate MPS Pumps and Parallel Force Main | Improvements to long term transfer of wastewater flows from South Gate and Siesta Key | All | 2 | | Commercial Paper Utility Rates | | Sarasota County | 88017 | Public Utilities | \$11.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/14 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88017.pdf |
| 126 | Low | US41 Venice Bypass Water Relocates | Utility relocates associated with FDOT road widening project 12' water main will replace existing water mains along US 41 corridor | All | 2 | | Utility Rates | | Sarasota County | 88014 | Public Utilities | \$2.8M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/14 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP88014.pdf |
| 127 | Low | Wastewater System Rehabilitation Program | Rehabilitate beyond normal maintenance existing wastewater force mains, valves connections and pump stations in County | All | 2 | | Utility Rates | | Sarasota County | 88020 | Public Utilities | \$7.8M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88020.pdf |
| 128 | Low | Waterline extension Area M West | Design and construct a central water distribution system to serve approx 84 customers in Phillip Creek SSFP Area entire area M has approx 1,340 homeowners converting from septic tanks to central sewer | All | 2 | | Utility Rates | | Sarasota County | 88001 | Public Utilities | \$1.1M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2011 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88001.pdf |
| 129 | Low | Bee Ridge WRF Expansion from 9 to 12 MGD | Improvements to expand Bee Ridge Wastewater Reclamation Facility from 9MGD to 12 MGD | All | 2 | | Utility Rates Wastewater Capacity Fees | | Sarasota County | 88006 | Public Utilities | \$5.3M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2012 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP88006.pdf |
| 130 | Low | Carlton WTF Design & Replacement of 5 EDR Units | Reha Carlton Water Treatment Facility with current EDR technology Phase I and II will replace 5 of the existing tan equipment trains | All | 2 | | Revenue Bonds Utility Rates Utility Short Term Borrow | | Sarasota County | 55983 | Public Utilities | \$25.6M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2008 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP55983.pdf |
| 131 | Low | Central County WRF Expansion | Expand and Upgrade Central County Wastewater Reclamation Facility from 4.8MGD to 8.0 MGD + construct 10MG effluent storage tank | All | 2 | | Utility Rates Utility Revenue Bond Series 2016A/Rates Wastewater Capacity Fees | | Sarasota County | 88007 | Public Utilities | \$16.9M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2012 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP88007.pdf |
| 132 | Medium | Dona Bay Storage Facility | Multiple Phases including phase II future potable water supply. Construct conveyance system to divert fresh water from Cow Pen Slough to Venice Minerals storage site | All | 2 | | SWFWMD Grants Utility Rates Wastewater Capacity Fees | | Sarasota County | 55955 | Public Utilities | \$14.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2006 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP55955.pdf |
| 133 | Medium | Gulf Gate Master Pump Station | Improvements include vehicular access, SCADA upgrades | All | 2 | | Utility Rates | | Sarasota County | 88016 | Public Utilities | \$1M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2014 to 09/2022 | E (Existing) | fy19 THRU 2023 CIP88016.pdf |

| | Priority | Name of Project | Description of Project | Hazards Mitigated | Hazard Mitigation Strategy | Mitigation Goals Achieved | Funding Source | Jurisdiction Project Benefit | Jurisdiction Project Owner | Jurisdiction Project # | Agency Responsible for Implementation | Estimated Cost | Project Status (NEW) | Project Status (COMPLETED) | Project Status (IN PROGRESS) | Project Status (DELETED) | Project Status (DEFERRED) | If Deferred; Why? | Timeframe for Project Completion | Mitigate New or Existing | Comments |
|-----|----------|--|---|-------------------|----------------------------|---------------------------|---|------------------------------|----------------------------|------------------------|---------------------------------------|----------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------|----------------------------------|--------------------------|--|
| 134 | Medium | LWR Blvd Water Improvements | Reimburse Lakewood Rand Stewardship District for 350 lineal feet of 24-inch and 3,400 lineal ft of 16-inch water transmission main | All | 2 | | Utility Rates | | Sarasota County | 88036 | Public Utilities | \$880K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2015 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/88036.pdf |
| 135 | Medium | Nokomis Sewer Main | Extend low pressure wastewater line from existing lift station US 41 into a portion of commercial area designated in Nokomis Revitalization Plan | All | 2 | | Infrastructure Surtax III Utility Rates | | Sarasota County | 88011 | Public Utilities | \$1.1M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2013 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/88011.pdf |
| 136 | Low | North County ASR Reuse | Multiple long term project to locate design permit construct operationally test an aquifer storage recovery well for under ground storage of reclaimed water during wet weather. | All | 2 | | SWFWMD Grants Utility Rates | | Sarasota County | 65974 | Public Utilities | \$4.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/98 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/65974.pdf |
| 137 | High | Septic System Replacement Program Area D | Phase 4 planning connection of 118 residences to central sewer via Interlocal Agreement with City of Sarasota estimate 2.2M | All | 2 | | Utility Rates | | Sarasota County | 88033 | Public Utilities | \$2.2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/16 to 09/2022 | E (Existing) | fy19 THRU 2023 CIP/88033.pdf |
| 138 | High | Septic System Replacement Program Area D Mineola Dr River Ridge Rd | Total connects 1,162 Phases I, II completed Phase III will Connect 78 residences to central sewer | All | 2 | | Utility Rates | | Sarasota County | 55904 | Public Utilities | \$720K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/2012 To 09/2023 | E (Existing) | fy19 THRU 2023 CIP/55904.pdf Is this done? Why no future \$ shown |
| 139 | High | Septic System Rpl Pgm Area I and J1 | Design infrastructure to connect 1,030 residences to central sewers in Areas I and J1 as part of the Phillippi Creek Septic System Replacement Program | All | 2 | | Utility Rates | | Sarasota County | 55906 | Public Utilities | \$3.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/06 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/55906.pdf |
| 140 | High | Septic System Rpl Pgm Area M West | Infrastructure to connect approx 1,340 residences to central sewer | All | 2 | | Infrastructure Surtax Continuation Rates - Revenue Bond and Commercial Paper Repaid by Utility Rates State Revolving Fund | | Sarasota County | 55908 | Public Utilities | \$14M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/06 to 09/2022 | E (Existing) | fy19 THRU 2023 CIP/55908.pdf |
| 141 | High | Septic System Rpl Pgm Area O and P | Connect 1,195 residences to central sewer No includes 739 connections from Area O and 446 connections from Area P. Area P can be served from one vacuum pump station | All | 2 | | FY11 Revenue Bond - Infrastructure Surtax Continuation Rates Infrastructure Surtax III State Revolving Fund Utility Rates | | Sarasota County | 55910 | Public Utilities | \$19.4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/08 - 09/2019 | E (Existing) | fy19 THRU 2023 CIP/55910.pdf |
| 142 | High | Siesta Key Intracoastal Water Main | Construct new potable water transmission main under intracoastal waterway to replace aging infrastructure an reconstruct water mains, facilities and service along route of proposed force main west of US 41 | All | 2 | | Utility Rates | | Sarasota County | 88019 | Public Utilities | \$2.8M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/14 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/88019.pdf |
| 143 | High | Siesta Key Master Pump Station and Force Main | Design, permit and construct master pump station located at Siesta Key advanced wastewater treatment plant | All | 2 | | FY11 Revenue Bond - State FDEP Grant Utility Rates | | Sarasota County | 55995 | Public Utilities | \$15.9M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/10 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/55955.pdf |
| 144 | Medium | SMR Sewer Telemetry Improvements | Water and Wastewater Sys Utility Agmt w/Schroeder-Manatee Ranch, SMR 2050, and Lakewood Ranch stewardship district reimburse for design and installation of 34.00 lineal ft of fiber network infrastructure etc. | All | 2 | | Utility Rates | | Sarasota County | 88037 | Public Utilities | \$225K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/88037.pdf |
| 145 | Low | Water Line Extension PCSSRP Area D | Phase 4 planning connect 100 residences to 3,200 LF of water distribution lines via Interlocal Agmt w/City of Sarasota | All | 2 | | CDBG Funds Infrastructure Surtax III Utility Rates | | Sarasota County | 55925 | Public Utilities | \$105K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/02 to 09/23 | E (Existing) | fy19 THRU 2023 CIP/55925.pdf |
| 146 | Low | Waterline Extension Area 1 Design | Design central water distribution syst to serve 368 additional customers in Phillipi Creek Septic System Replacement | All | 2 | | Utility Rates | | Sarasota County | 55971 | Public Utilities | \$179K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/06 to 09/19 | E (Existing) | fy19 THRU 2023 CIP/55971.pdf |
| 147 | Low | Wendell Kent Master Pump Station | Replace existing water storage tank and high pumping service facility on Siesta Key | All | 2 | | Utility Rates | | Sarasota County | 88018 | Public Utilities | \$5.4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2023 | E (Existing) | fy19 THRU 2023 CIP/88018.pdf |
| 148 | Medium | Bayfront Coastal Stormwater Improvements | Design stormwater improvements in coastal bayfront downtown Sarasota to address flood protection LOS and improve stormwater quality | All | 2 | | Stormwater Assessments | | Sarasota County | 88072 | Public Works | \$150K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2024 | E (Existing) | fy19 THRU 2023 CIP/88072.pdf |
| 149 | Medium | Midnight Pass Stormwater Improvements | Design stormwater improvements to address coastal barrier island flooding LOS deficiencies and improve stormwater quality along Midnight Pass Road on Siesta Key | All | 2 | | Stormwater Assessments | | Sarasota County | 88070 | Public Works | \$350K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2024 | E (Existing) | fy19 THRU 2023 CIP/88070.pdf |
| 150 | Medium | Whitaker Basin Stormwater Improvements | Design stormwater improvement sin the Whitaker Basin to address flood protection LOS deficiencies and improve stormwater quality | All | 2 | | Stormwater Assessments | | Sarasota County | 88069 | Public Works | \$200K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2021 | E (Existing) | fy19 THRU 2023 CIP/88069.pdf |
| 151 | High | Bahia Vista Levee Improvements Design | Evaluation of Bahia Vista Levee system relative to FEMA 44 CFR 65.10 for FEMA accreditation | All | 2 | | Stormwater Assessments | | Sarasota County | 88042 | Public Works | \$220K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2022 | E (Existing) | fy19 THRU 2023 CIP/88042.pdf |
| 152 | Medium | Dona Bay Phase 4 & 5 Weir Replacement Design | Preliminary design report replacement of Kingsgate Weir in Cowpen Slough and feasibility of a low flow weir in Blackburn Canal to reduce volume of fresh water discharging to Dona Bay from Cowpen Slough and Curry Creek | All | 2 | | Stormwater Assessments | | Sarasota County | 88043 | Public Works | \$220K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/18 to 09/2021 | E (Existing) | fy19 THRU 2023 CIP/88043.pdf |
| 153 | Medium | River Road Widening | Improve hurricane evacuation of network to provide road capacity for planned growth in Sarasota County and Charlotte County 6 mile north south construct 6 lanes Segment 2 ctr Rd to 1/75 4 lanes | All | 2 | | FDOT Grant South County Rd Impact Fees Fee District | | Sarasota County | 95800 | Public Works | \$8M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/17 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/95800.pdf |
| 154 | Low | Sediment Abatement and Stabilization Program | Program to reshape stormwater conveyance systems to more gentle slopes stabilized with vegetation matting or other material to prevent erosion throughout the County | All | 2 | | Infrastructure Surtax III SWFWMD Grants Stormwater Assessments | | Sarasota County | 75846 | Public Works | \$7.7M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | fy19 THRU 2023 CIP/75846.pdf |
| 155 | Low | Venice East Blvd Improvements | Right of way design permit and construct 1.45 miles of new two lane road within four lanes of right of way w/medians, sidewalks and bicycle lanes | All | 2 3 | | South County Rd Impact Fees | | Sarasota County | 95708 | Public Works | \$620K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/17 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/95708.pdf |
| 156 | High | Casey Key Roadway Improvements | South Casey Key Road Stabilization Project | All | 2 | | HMGP | | Sarasota County | N/A | Capital Mgmt. | \$1,125,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | 9/19 to 9/2020 | N (New) | |
| 157 | High | Ocean Blvd./Higel Rd. | Design drainage improvements from Ocean, via Higel, though Lotus to the Grand Canal. | All | 2 | | HMGP | | Sarasota County | N/A | Public Utilities | \$600K | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | 9/19 to 9/2020 | N (New) | |
| 158 | Medium | Harbor Acres Analysis | Study, design, permit and construct stormwater improvements | All | 2 | | NA | | Sarasota County | N/A | Public Utilities | \$5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 159 | Low | Indian Beach Sapphire Shores LID | Neighborhood/SBEP initiated bioretention project. Demonstrate replicable LID technique in older urban area. | All | 2 | | NA | | Sarasota County | N/A | Public Utilities | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 160 | High | Phillippi Dam Removal | Design and construction to remove historic dam and restore habitat | All | 2 | | NA | | Sarasota County | NA | Public Utilities | \$2M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 161 | Low | Sea level rise vulnerability assessment | Assess impact on critical structures, public health and safety, natural systems, and economy from affects of sea level rise | All | 2 | | NA | | Sarasota County | N/A | Public Utilities | \$250K | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 162 | Medium | Public Utilities D.O.C. | Construct Department Emergency Operation Center for Public Utilities | All | 2 | | NA | | Sarasota County | N/A | Public Utilities | \$5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 163 | High | River Road Regional Interstate Connector | Raise roadbed, add traffic lanes for evacuation route. US41 to West Villages Parkway | All | 2 | | | | Sarasota County | 95760 | Capital Mgmt. | \$23M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | E (Existing) | 95760 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH Des |
| 164 | Medium | Alligator Creek Phase 1 & 2 | Pipe and swale improvements | All | 2 | | | | Sarasota County | 85872 | Capital Mgmt. | \$3M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY14 | E (Existing) | 85872 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH Des |

| | Priority | Name of Project | Description of Project | Hazards Mitigated | Hazard Mitigation Strategy | Mitigation Goals Achieved | Funding Source | Jurisdiction Project Benefit | Jurisdiction Project Owner | Jurisdiction Project # | Agency Responsible for Implementation | Estimated Cost | Project Status (NEW) | Project Status (COMPLETED) | Project Status (IN PROGRESS) | Project Status (DELETED) | Project Status (DEFERRED) | If Deferred; Why? | Timeframe for Project Completion | Mitigate New or Existing | Comments |
|-----|----------|--|---|---------------------|----------------------------|---------------------------|-------------------|------------------------------|---|------------------------|---------------------------------------|----------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------|----------------------------------|--------------------------|---|
| 165 | Medium | Country Woods | Rehabilitate existing drainage | All | 2 | | | | Sarasota County | 75841 | Capital Mgmt. | \$600K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY14 | E (Existing) | 75841 NOT IN CURRENT FY2019 BUDGET NEED FURTHER RESEARCH Des |
| 166 | Medium | Stormwater Asset & Infrastructure Mgmt. System | Protect critical infrastructure through technology | All | 2 | | | | Sarasota County | 75832 | Public Utilities | \$6.9M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | E (Existing) | 75841 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH |
| 167 | Medium | Colonial Gables | Rehabilitate existing drainage | All | 2 | | | | Sarasota County | 75843 | Capital Mgmt. | \$620K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY14 | E (Existing) | 75843 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH |
| 168 | Medium | Beach Road Drainage Improvements | Rehabilitate existing drainage | All | 2 | | | | Sarasota County | 75803 | Capital Mgmt. | \$2.8M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY15 | E (Existing) | 75843 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH |
| 169 | High | Repetitive Loss Program | Implement RLAA recommendations per FEMA guidelines | All | 2 | | | | Sarasota County | N/A | Public Utilities | \$20M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Continuous | E (Existing) | |
| 170 | High | 911/EOC Center | Construct new building | All | 2 | | | | Sarasota County | 84330 | Capital Mgmt. | \$19M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY14 | N (New) | 84330 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH |
| 171 | Medium | Fire Station 12 | Remove and replace current fire station | All | 2 | | | | Sarasota County | 84350 | Capital Mgmt. | \$4M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY15 | E (Existing) | 84350 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH |
| 172 | Medium | Fire Station 14 | Remove and replace current fire station | All | 2 | | | | Sarasota County | 84332 | Capital Mgmt. | \$4M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY15 | E (Existing) | 84332 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH |
| 173 | Medium | Fire Station 19 | Remove and replace current fire station | All | 2 | | | | Sarasota County | 84346 | Capital Mgmt. | \$4M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | E (Existing) | 84346 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH |
| 174 | Medium | Fire Station 16 | Remove and replace current fire station | All | 2 | | | | Sarasota County | 84334 | Capital Mgmt. | \$7M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY15 | E (Existing) | |
| 175 | Medium | Fire Station 17 | Construct new building | All | 2 | | | | Sarasota County | 84353 | Capital Mgmt. | \$4.3M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY15 | N (New) | 84353 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH Des |
| 176 | Medium | Fire Station 9 | Construct new building | All | 2 | | | | Sarasota County | 84340 | Capital Mgmt. | \$4.5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | N (New) | 84340 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH Des |
| 177 | High | North Beach Road | Public Access and Shore Line Protection | All | 2 | | | | Sarasota County | 37340123 | Public Works | \$2M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2013-2014 | N (New) | 37340123 BAD NUMBER NEED FURTHER RESEARCH Des |
| 178 | Medium | Fire Station 27 | Construct new building | All | 2 | | | | Sarasota County | 84340 | Capital Mgmt. | \$4.5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | As funding is available | N (New) | 84340 NOT IN CURRENT BUDGET FY 2019 TO 2023 NEED FURTHER RESEARCH Des |
| 179 | High | Siesta Key Master Pump Station | Master pump station to transfer flow off island | All | 2 | | | | Sarasota County | 55995 | Capital Mgmt. | \$3M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY19 | N (New) | See Below Des |
| 180 | High | Critical Care Tower | hardening of both building and windows (retrofit) | All | All | | HMGP | ALL | Sarasota Hospital Board | | SMH | \$15M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | N (New) | |
| 181 | High | South, Central & Northwest wings | hardening of windows (retrofit) | All | All | | HMGP | ALL | Sarasota Hospital Board | | SMH | \$3.5M | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | N (New) | |
| 182 | High | North Port Emergency Rm | generator capacity upgrade | All | All | | HMGP | ALL | Sarasota Hospital Board | | SMH | \$300,400.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | N (New) | |
| 183 | High | West Bayside Behavioral | generator capacity upgrade | All | All | | HMGP | ALL | Sarasota Hospital Board | | SMH | \$603,357.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | As funding is available | N (New) | |
| 184 | High | Public Outreach | Public outreach programs for all jurisdictions | All | All | 3 | NA | ALL | LBK NP SRQ Sarasota County Sarasota Hospital Board Venice | NA | LMS Work Group | \$10K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Continuous | E (Existing) | |
| 185 | High | Police Dept. Relocate and EOC construction | Reconstruct PD facility to include City Command EOC | 11 12 15 2 7 8 9 | 2 | 5 | Revenue Bonds | ALL | Venice | 1V | Police | \$16M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2020 | E (Existing) | |
| 186 | Medium | Relocate Fire Station #2 | Construct new fire station outside flood zone | 11 12 15 2 7 8 9 | 2 | 5 | NA | ALL | Venice | 3V | Fire | \$5M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 187 | Medium | Directional signs for island evacuations | Acquire four signs for three bridges and roadways | 11 12 15 2 7 8 9 | 5 | 4 | NA | 3 4 | Venice | 6V | Public Works | \$60K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 188 | High | Fire Station #51 and City Hall generator | Emergency operations for city communications | 11 12 15 2 7 8 9 | 2 | 5 | NA | 3 4 | Venice | 7V | City Hall | \$1.175M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Under construction | E (Existing) | |
| 189 | High | Radio upgrade for the city department | Provide optimum radio communications | 11 12 15 2 7 8 9 | 5 | 5 | NA | ALL | Venice | 21V | Utilities, Police, PW | \$490K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 190 | Low | Second House Program | Partner coastal with inland residents during emergencies | 11 12 15 2 7 8 9 | 5 | 1 | N/A | 3 | Venice | 23V | City Hall | \$10K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 191 | Low | Relocate water plant elevated tank | Upgrade support system to prevent against flood and wind | 12 2 7 9 | 2 | 5 | N/A | ALL | Venice | 26V | Utilities | \$725K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 192 | Low | Upgrade Chuck Reiter elevated tank | Upgrade support system to prevent against flood and wind | 11 12 15 2 7 9 | 2 | 5 | N/A | ALL | Venice | 27V | Utilities | \$76K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 193 | Low | Modify Pinebrook booster station | Waterproof and upgrade communication system | 11 12 15 2 7 8 9 | 2 | 5 | N/A | ALL | Venice | 28V | Utilities | \$100K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 194 | Low | Coastal Area Redevelopment Study | Post disaster study | 11 12 15 2 7 8 9 | 5 | 2 | N/A | ALL | Venice | 29V | Dev. Service | \$50K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 195 | Low | Coastal Compliance Program | Public education for retrofit and construction activities | 11 12 15 2 7 8 9 | 5 | 3 | N/A | 3 | Venice | 30V | Building | \$30K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 196 | Medium | Coastal Land Acquisition Program | Purchase properties and preserve for open space | 11 2 7 9 | 1 | 4 | N/A | 3 | Venice | 36V | Engineering | \$425K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 197 | High | Relocate RO Water Plant | Construct facility out of the flood zone | 11 2 7 9 | 2 | 5 | N/A | ALL | Venice | 42V | Utilities | \$40M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 198 | High | Ajax property 2.0-3.0MGD booster station | Provide service to east side of town, construct interconnect with county | 11 12 15 2 7 9 | 2 | 5 | SRF/ Revenue | 3 | Venice | 44V | Utilities | \$10M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2022 | N (New) | |
| 199 | Low | Venice Evacuation Study | Study to address the need for hurricane shelters in city | 11 12 14 15 2 7 8 9 | 5 | 1 | N/A | ALL | Venice | 50V | Planning | \$50K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | N (New) | |
| 200 | High | Fire Station 1 Replacement | Upgrade facility to meet current storm criteria | 11 12 15 2 7 9 | 3 | 5 | N/A | ALL | Venice | 55V | Fire | \$5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2022 | E (Existing) | |
| 201 | High | Relocate PW to PD after new PD complete | Harden Structure and retrofit for PW Admin. | 11 12 15 2 7 8 9 | 2 | 5 | N/A | 3 | Venice | 57V | Public Works | \$750K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Funding | 2021 | E (Existing) | |
| 202 | Low | Hurricane Tolerant Handbook | Update the 1994 hurricane study | 9 | 5 | 3 | N/A | ALL | Venice | 61V | Planning | \$15K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 203 | High | New Solid Waste and Recycling Complex | Relocate facility east and construct to hurricane codes | 11 12 15 2 7 8 9 | 2 | 5 | N/A | ALL | Venice | 62V | Public Works | \$3M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 204 | High | Purchase Portable Generators for Lift Station | Provide emergency back up power outage | 11 12 15 2 7 8 9 | 5 | 1 | Utilities Revenue | ALL | Venice | 64V | Utilities | \$450K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 205 | Medium | Hurricane Louvers for Water Plant | Secure building for hurricanes | 15 9 | 2 | 5 | N/A | ALL | Venice | 65V | Utilities | \$32K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 206 | High | City Hall Reroof | Roof not built to code and condition is deteriorating | 11 12 15 2 7 9 | 2 | 5 | N/A | ALL | Venice | 66V | Public Works | \$600K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | |
| 207 | Medium | 2nd sanitary force main under Intracoastal | Add a secondary force main to add to secondary redundancy | 2 7 9 | 5 | 5 | N/A | 3 | Venice | 69V | Utilities | \$1M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2022 | E (Existing) | |
| 208 | High | 2nd sanitary force main under I-75 | Add a secondary force main to add to secondary redundancy | 2 7 9 | 5 | 5 | Utilities Revenue | 3 | Venice | 70V | Utilities | \$3.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | E (Existing) | |
| 209 | High | Reinforce Airport Hangars | Reinforce existing airport to meet hurricane standards | 11 12 15 2 7 9 | 2 | 2 5 | Airport / Grants | 3 | Venice | 75V | Airport | \$1M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | N (New) | |
| 210 | High | Construct New T-Hangars | Construct new T-Hangars meeting hurricane standards | 11 12 15 2 7 9 | 5 | 2 | Airport / Grants | 3 | Venice | 76V | Airport | \$1.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | N (New) | |
| 211 | Low | Relocate Airport Maintenance Facility | Relocate existing Airport Maint. Facility to meet hurricane stds. | 11 12 15 2 7 9 | 5 | 2 | Airport / Grant | 3 | Venice | 78V | Airport | \$650K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | N (New) | |
| 212 | High | Airport Avenue Drainage Project | Upgrade existing drainage facilities to mitigate flood in evacuation route | 11 2 7 9 | 6 | 2 | Airport / Grants | 3 | Venice | 79V | Airport | \$700K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | N (New) | |
| 213 | Medium | Live Oak Dr. Stormwater Improvements | Upsize existing stormwater pipes to reduce flooding | 11 2 7 9 | 6 | 2 | SRF | 3 | Venice | 80V | Stormwater | \$600K | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Under construction | E (Existing) | |
| 214 | High | Nokomis Ave. South Stormwater | Upsize existing stormwater pipes to reduce flooding | 11 2 7 9 | 6 | 2 | CIP | 3 | Venice | 81V | Stormwater | \$1.1M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | |
| 215 | Medium | Outfall 9 Improvement | Study the drainage basin and increase the infiltration pond size | 11 2 7 9 | 6 | 2 | CIP Grants | 3 | Venice | 82V | Stormwater | \$500K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 216 | Medium | Golf Dr. Stormwater Improvements | Upsize existing stormwater pipes to reduce flooding | 11 2 7 9 | 6 | 2 | CIP Grants | 3 | Venice | 83V | Stormwater | \$750K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 217 | Medium | Beach Erosion Hot Spot Alternatives | Alternate erosion evaluation and construction | 1 2 7 9 | 5 | 5 | Grants | 3 | Venice | 86V | Engineering | \$4M | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | N (New) | |
| 218 | Low | Mobile Command Unit | Design and Purchase a Mobile Command Unit for use during special events and emergencies. | 11 12 15 2 7 8 9 | 2 | 5 | NA | ALL | Venice | 87V | Police | \$500K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | N (New) | |
| 219 | Medium | Valencia Rd. Stormwater Improvements | Upsize existing stormwater pipes to reduce flooding | 12 2 7 9 | 6 | 2 | CIP Grants | 3 | Venice | 88V | Stormwater | \$850K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 220 | Medium | Circle Drive Drainage Improvement | Upsize existing stormwater pipes to reduce flooding | 11 2 7 9 | 6 | 2 | CIP Grants | 3 | Venice | 89V | Stormwater | \$400K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 221 | Medium | Church St. Drainage Improvement | Upsize existing stormwater pipes to reduce flooding | 11 2 7 9 | 6 | 2 | CIP Grants | 3 | Venice | 90V | Stormwater | \$400K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 222 | Medium | Parkdale & Parkside Dr. Drainage Improvement | Upsize existing stormwater pipes to reduce flooding | 11 2 7 9 | 6 | 2 | CIP Grants | 3 | Venice | 91V | Stormwater | \$750K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 223 | Medium | Venice Fire Station 3 EOC | Provide Equipment for Venice EOC at Fire Station 3 to allow for Emergency Management Operations | 11 12 14 15 2 7 8 9 | 5 | 5 | NA | ALL | Venice | 92V | Fire | \$250K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |

| | Priority | Name of Project | Description of Project | Hazards Mitigated | Hazard Mitigation Strategy | Mitigation Goals Achieved | Funding Source | Jurisdiction Project Benefit | Jurisdiction Project Owner | Jurisdiction Project # | Agency Responsible for Implementation | Estimated Cost | Project Status (NEW) | Project Status (COMPLETED) | Project Status (IN PROGRESS) | Project Status (DELETED) | Project Status (DEFERRED) | If Deferred; Why? | Timeframe for Project Completion | Mitigate New or Existing | Comments |
|-----|----------|--------------------------------|---|---------------------|----------------------------|---------------------------|----------------|------------------------------|----------------------------|------------------------|---------------------------------------|----------------|--------------------------|----------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------|----------------------------------|--------------------------|----------|
| 224 | High | Lightning and Surge Protection | Provide Lightning and Surge Protection to provide protection to City Technology and infrastructure. | 11 12 14 15 2 7 8 9 | 5 | 5 | NA | 3 4 | Venice | 93V | Fire | \$105K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |
| 225 | Medium | Construct 8E production well | Enhance system reliability | 2 7 9 | 5 | 1 4 | CIP | ALL | Venice | 94V | Utilities | \$1.5M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | N (New) | |
| 226 | High | Water Plant Generator | Purchase new generator for water plant for backup power | 11 12 15 2 7 8 9 | 2 | 1 | CIP | ALL | Venice | 95V | Utilities | \$1M | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2021 | E (Existing) | |
| 227 | High | Fire Station #2 Hardening | Harden Facility for Storm Protection | 11 12 14 15 2 7 8 9 | 5 | 5 | NA | ALL | Venice | 96V | Fire | \$250K | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Funding | | E (Existing) | |

Note 1

Priority- Priority ranking is determined by the Hazard Mitigation Project Evaluation Criteria Worksheet. The project priority is rated in the following table.

| Priority | Project Score |
|----------|-----------------------|
| High | 21 - 28 |
| Medium | 11 - 20 |
| Low | 0 - 10 |
| N/A | Deferred or Completed |

Note 2

| Hazard | Number | Hazard | Number |
|-----------------|--------|-------------------------|--------|
| Coastal Erosion | 1 | Hurricane | 9 |
| Coastal Storm | 2 | Land Subsidence | 10 |
| Dam Failure | 3 | Seasonal Severe Weather | 11 |
| Drought | 4 | Tornado | 12 |
| Earthquake | 5 | Tsunami | 13 |
| Levee Failure | 6 | Wildfire | 14 |
| Flood | 7 | Windstorm | 15 |
| Hailstorm | 8 | Deleted Project | N/A |

Note 3

The Hazard Mitigation Strategy is based upon Goal 2, Objective 1 of the Local Hazard Mitigation Goals and is described in the following table.

| Hazard Mitigated | Description |
|------------------|---|
| 1 | Acquisition of hazard prone property & conversion to open space |
| 2 | Retrofitting existing buildings and facilities |
| 3 | Elevation of flood prone structures |
| 4 | Vegetative management & soil stabilization |
| 5 | Infrastructure protection measures |
| 6 | Stormwater management |
| 7 | Minor structural flood control projects |
| 8 | Post-disaster code enforcement activities |

Note 4

The Mitigation Goals Achieved are described in the following table and are based upon Goal 2 and Goal 4 of the Local Hazard Mitigation Goals within the Mitigation Strategy section of the basic plan.

| Mitigation Goal Achieved | Description |
|--------------------------|--------------------------------|
| 1 | Prevention |
| 2 | Property Protection |
| 3 | Public Education and Awareness |
| 4 | Natural Resource Protection |
| 5 | Structural Protection |
| N/A | Deleted |

Note 5

The jurisdiction abbreviation is described in the following table.

| Jurisdiction | Abbreviation | Number |
|----------------------------|--------------|--------|
| City of North Port | NP | 1 |
| City of Sarasota | SRQ | 2 |
| City of Venice | V | 3 |
| Sarasota County Government | SCG | 4 |
| Sarasota County Schools | SCS | 5 |
| Sarasota Memorial Hospital | SMH | 6 |
| Town of Longboat Key | LBK | 7 |
| Deleted | N/A | N/A |

Note 6

The project status is described in the following table.

| Project Status | Description |
|----------------|--|
| New | Project added from previous project list submission |
| Complete | Project completed during period or construction has begun from previous project list submission |
| In-Progress | Project is in design and no construction has begun |
| Deleted | Project will be identified as deleted and remain on the project list for one annual cycle of reporting for administrative continuity of project tracking for local, state, and Federal agencies. |
| Deferred | Project is being deferred by jurisdiction |

LMS-Appendix E

LMS Project List



| Priority | Name of Project | Description of Project | Hazards Mitigated | Hazard Mitigation Strategy | Mitigation Goals Achieved | Funding Source | Jurisdiction Project Benefit | Jurisdiction Project Owner | Jurisdiction Project # | Agency Responsible for Implementation | Estimated Cost | Project Status (NEW) | Project Status (COMPLETED) | Project Status (IN PROGRESS) | Project Status (DELETED) | Project Status (DEFERRED) | # Deferred: Why? | Timeframe for Project Completion | Mitigate New or Existing | Comments | Column22 | Column23 | Column24 |
|----------|-----------------|---|---|----------------------------|---------------------------|----------------|---|----------------------------|------------------------|---------------------------------------|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------|------------------|----------------------------------|--------------------------|--|----------|----------|----------|
| 10 | High | MLK/Central Int. | Replace wire line attachment with mast | 11 12 15 2 8 9 | 2 | 5 | Penny Sales Tax | ALL | SRQ | EN-20.3 | Public Works | \$350K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY19 | E (Existing) | | | | |
| 27 | High | Replacement of shallow depth water and wastewater lines at Lazy River | 4 | 5 | 1 2 5 | User Rates | 1 2 4 | NP | N/A | Utilities | \$150K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | E (Existing) | | | | |
| 30 | High | Phase 1 Water Treatment Plant rehabilitation of Flocculation #1 | All | 2 5 | 2 4 5 | User Rates | 1 5 | NP | N/A | Utilities | \$575K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | 2021 | E (Existing) | | | | |
| 35 | High | Upgrade the 14 year old control panel at the Wastewater Treatment Plant to improve operational efficiency | All | 2 | 1 2 5 | User Rates | 1 4 5 | NP | N/A | Utilities | \$35K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | E (Existing) | | | | |
| 47 | High | Big Slough Flood Reduction Study | Consultant to recommend solutions to reduce flooding in 2 areas | 2 7 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$300K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2020 | E (Existing) | Funded by SWFWMD | | | |
| 48 | High | Design replacement for flood control structure #115 | Corroded Structure Need to rehab. replace for flood protection | 11 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$109K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2017 | E (Existing) | | | | |
| 49 | High | Construct replacement for flood control structure #115 | Corroded Structure Need to rehab. replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$165K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2018 | E (Existing) | | | | |
| 50 | High | Design replacement for flood control structure #106 | Corroded Structure Need to rehab. replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$168K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2018 | E (Existing) | | | | |
| 51 | High | Construct replacement for flood control structure #106 | Corroded Structure Need to rehab. replace for flood protection | 10 2 3 6 7 9 | 2 5 6 7 | 1 2 5 | RDA | 1 4 | NP | N/A | Public Works | \$2,274M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2020 | E (Existing) | | | | |
| 71 | High | North shore groins | Reduce beach erosion | 1 | 4 | 4 | CIP HMGP | 2 3 4 7 | LBK | LBK18 | Public Works | \$2.5M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2015 | N (New) | | | | |
| 72 | High | North potable water connection | Replace existing potable water connection to community | All | 5 | All | CIP HMGP | ALL | LBK | LBK19 | Public Works | \$1.2M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 2015 | N (New) | | | | |
| 75 | High | Lift station E renovations | Upgrade motors, controls, roof, and exterior of building | 2 | 5 | 5 | CIP HMGP | 7 | LBK | LBK4 | Public Works | \$700K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | 2015 | E (Existing) | \$1.2M Completed 2015; In-progress includes upgrades. | | | |
| 79 | High | Upgrade & Update 800 MHz Emergency Comm System | Replace countywide public safety mission critical voice system w/regional integrated IP | All | 2 3 | | Commercial Paper - Manatee County - Stormwater Assessments Surtax III Utility Rates | | Sarasota County | 84355 | Emergency Services | \$15.35M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/10-09/2019 | E (Existing) | fy19 THRU 2023 CIP/84355.pdf | | | |
| 85 | Low | GRM Gov't Revenue Mgmt Sys | GRM formerly Prop Appraiser automates operations | All | 2 | | Long Term Bond | | Sarasota County | 83186 | EIT | \$3M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/09 to 09/2020 | E (Existing) | fy19 THRU 2023 CIP/83186.pdf | | | |
| 103 | Low | Venice Library | Replace former library facility at 300 S Nokomis Ave site | All | 2 | | Commercial Paper - Private Donation Surtax 3 Rev Note FY19 Surtax III | | Sarasota County | 83190 | Libraries and Historical Resources | \$12.1M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 10/15 to 09/2019 | E (Existing) | fy19 THRU 2023 CIP/83190.pdf | | | |
| 104 | Medium | Old Maikka -Davidson ES/PP Parcel Acquisition & Start-Up | 20 acre parcel within Old Maikka Protection priority site | All | 2 | | ESLPP Funds Transferable Dev Rights | | Sarasota County | 65645 | Parks, Recreation and Natural Resources | \$423K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | 05/18 to 09/2018 | E (Existing) | fy19 THRU 2023 CIP/65645.pdf | | | |
| 164 | Medium | Alligator Creek Phase 1 & 2 | Pipe and swale improvements | All | 2 | | | | Sarasota County | 85872 | Capital Mgmt. | \$3M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY14 | E (Existing) | 85872 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH Des | | | |
| 165 | Medium | Country Woods | Rehabilitate existing drainage | All | 2 | | | | Sarasota County | 75841 | Capital Mgmt. | \$600K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY14 | E (Existing) | 75841 NOT IN CURRENT FY2019 BUDGET NEED FURTHER RESEARCH Des | | | |
| 170 | High | 911/EOC Center | Construct new building | All | 2 | | | | Sarasota County | 84330 | Capital Mgmt. | \$19M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY14 | N (New) | 84330 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH | | | |
| 172 | Medium | Fire Station 14 | Remove and replace current fire station | All | 2 | | | | Sarasota County | 84332 | Capital Mgmt. | \$4M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | FY15 | E (Existing) | 84332 NOT IN CURRENT FY2019 TO 2023 BUDGET NEED FURTHER RESEARCH | | | |
| 206 | High | City Hall Renof | Roof not built to code and condition is deteriorating | 11 12 15 2 7 9 | 2 | 5 | N/A | ALL | Venice | 86V | Public Works | \$600K | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | | | | |
| 214 | High | Nokomis Ave. South Stormwater | Upsize existing stormwater pipes to reduce flooding | 11 2 7 9 | 6 | 2 | CIP | 3 | Venice | 81V | Stormwater | \$1.1M | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | E (Existing) | | | | |

LMS-Appendix F

Meeting Notes

Local Mitigation Strategy Work Group

Date: July 21, 2020 from 1:30-3:00pm

Location: Emergency Operations Center, 6050 Porter Way, Room 147, Sarasota, FL 34232 MS
MS TEAMS Meeting/Conference Call due to COVID19

Meeting Objectives:

1. Establish Action Items/ deadlines
2. Individual Updates

Group Members & Guests

| | | |
|---------------------|--|---------|
| Ed McCrane | Sarasota County | present |
| Nicole Double | Sarasota County | present |
| Ryan Murphy | Sarasota County | present |
| Steve Hyatt | Sarasota County | present |
| Lee Prince | Sarasota County | |
| Charles Walter | Sarasota County | |
| Donna Bailey | Sarasota County | present |
| Joe Kraus | Sarasota County | present |
| Matt Osterhoudt | Sarasota County | |
| Heather Larson | Sarasota County | |
| Michele Norton | Sarasota County | |
| Paul Semenec | Sarasota County | present |
| Dez Companion | Sarasota County | |
| Eric Tiefenthaler | City of North Port | present |
| Elizabeth Wong | City of North Port | present |
| Valerie Malingowski | City of North Port | |
| Todd Kerkerling | City of Sarasota | present |
| Cindy Cahill | City of Sarasota | present |
| James Linkhogle | Town of Longboat Key | |
| Mika Arnhold | Town of Longboat Key | present |
| Kathleen Weeden | City of Venice | present |
| Kathryn Harring | City of Venice | present |
| Frank Giddens | City of Venice | |
| Shawn Carvey | City of Venice | |
| Cindy Emshoff | Sarasota Office of Housing/Community Development | |
| Todd Underhill | Sarasota Soil and Water Conservation District | |
| Jody Dumas | Sarasota County School Board | |
| Craig Gammon | Sarasota Memorial Hospital | present |
| James Bugyis | Sarasota Memorial Hospital | |
| Sean Alley | Sarasota Memorial Hospital | |
| Mike Klosterman | Sarasota Memorial Hospital | present |
| Karen Silano | Sarasota County Sheriff's Office | |
| Richard Lyttle | New College of Florida | |
| Luis Suarez | New College of Florida | |
| David Bjekle | University of South Florida-Sarasota Manatee | |
| Cherie Knudson | Ringling College of Art and Design | present |

Emergency Management Update-Chief Ed McCrane

- Roll call
- Approved April Meeting minutes
 - Motion to approve-Todd Kerkerling
 - Second-Eric Tiefenthaler.
- Introduced Ryan Murphy
 - Shared Smartsheet with the working group
 - Created checklist approach to ensure each section is updated.
 - Goal to finish each section-deliverables, tables etc.
 - Important to update tables as needed, including supporting documentation
 - Benefit-meeting agendas, minutes, public notices can be attached
 - Reviewing LMS update manual-will add checklist
 - Hopes to have draft complete this week
 - Will ask working group for feedback
 - Asked for additional items for checklist; please forward to Ryan.
 - Ed asked Todd for input; Todd offered to meet/assist if needed
 - Ryan mentioned this new tool is a living resource; improvements to the process are welcomed.
 - Donna B-will this include the projects list? Yes, and can be updated as needed.
 - Todd mentioned projects list often changes based on recommendations by commission.
 - Minor changes to LMS do not have to go before commission unless changes strategic vision.
 - Can always add projects throughout the year. Projects List becomes important when we go to the State for grant funding.
- Ed said we will share out smartsheet info to LMS working group.
- Asked Nicole to get with Jody Mann-get public notices for newspaper for last 3 meetings. Get PDF's to Ed and Ryan
- Kathleen-current LMS list is complicated. Suggests breaking into jurisdiction.
- 5-year update to Jurisdictional flood plain plans-will send to Ryan. Flood plain plans will be switched out as they are updated-will go into smartsheet.
- Need to determine a way that when new flood plain plan is received the jurisdiction is notified.
- When will LMS go to the board? Ed-due Spring 2021, goal is for board to have it on winter break. Need to submit to State for approval then goes to board. Demographic, geographic profile, and stat info will be updated first
- Updating FMP to align with LMS-need population and demographics. That info will be on smartsheet.
- Todd-hazard analysis. Have to discuss all hazards in LMS (example volcano, avalanche). Can be same language in FMP and LMS. Would like all hazard analysis across the board to be uniform-all county documents

Post Disaster Redevelopment Plan (PDRP) update

- Joe Krauss
- Adopted in 2015, 5-year update
- Doing evaluation with intent in 2021 taking recommendations back to the board

- Mr. Lewis will send letter inviting municipalities to comment
- In 2015 municipalities chose not to adopt so it is an unincorporated Sarasota County document. Would be more functional if entire county adopted PDRP. Looking for suggestions how to improve. Strategic Plan-comment should be finished by end of September
- If anyone has questions, please reach out to Joe Krauss directly

HMGP Irma Projects

- SMH
 - Generator at Bayside West, complete. North Port generator 85% complete to date
- Venice
 - Generator-under contract, first reimbursement request. In process of preparing to do direct purchase of generator. FYI City Hall fire station has been demolished
- North Port
 - TLC engineering has 90% plan review; received. Project moving on schedule.
- City of Sarasota
 - Grant for generator at Robert L Taylor. In process-ground is broken, take retaining wall down to install conduit. Generator has been purchased; located currently in Tampa. Ready to move forward. Intersections/ pole masks, project moving forward
- LBK
 - Rebuilding South fire station-has been demolished and new construction has begun
- Public Works/Utilities
 - Ocean/Higel drainage improvement project. Received funding agreement from FDEM. Scheduled to go to Board 8/27/20. Providing \$512,000 for drainage improvement project north end of Casey Key. Total reimbursable amount is \$490,000. FDEM states remaining amount is in contingency line item. Will need to request contingency funding item. One hold up on getting solicitation out-engineer needs to provide new scope and fee to update plans to today's standards. Then hiring can commence. Plans are from 2018.

Hurricane Michael

- North Port
 - Applied for HMGB grant, water control project. Waiting to hear
- City of Sarasota
 - Red cross study, received app. Waiting to hear if accepted

Updates:

- **City of Venice**-Kat leaving City of Venice, going back to school for master's in environmental engineering
- **City of Sarasota**-

- **Town of Longboat Key**-updating Flood Plain Management Plan, should go to Town commission first meeting in September
- **Sarasota County Public Works/Storm Water**-Finished repetitive loss area analysis went to State for courtesy review. Has been approved and will be an annex to FMP before end of the year
- **Sarasota Memorial Hospital**-N/A
- **City of North Port**- asked about timing of project list/grant. They can revise project list at any time. How far in advance? Ed says before you submit application must be on the list. Do project worksheet, score it, send to Ed and ask it to be added onto project list. If they want to submit a project for the project list, goes to whole committee for vote. If anything is on CIP project list, or any project that fits HMGP grant-fill out project list worksheet so it can go on list asap. No limit how many projects can be on the list. Elizabeth-dollar amounts change by the time we go for the grant. Does grant amount have to exactly match amount on project list? Todd answered he has not heard of any issue with an amount that does not have to match exactly
 - Ed-we do not get funding often for funding available will notify group asap, will remind to update project list, then group will vote on it. Then letter signed by Chair then submitted to State, like after Irma. Reminded group process is flexible.
 - Elizabeth asked if we would send out new project list out whenever it is updated? Ed said project list will be in smartsheet for review at any time, will give all LMS working group members access. Ryan said there is a report that can be uploaded onto website for ease of use
- **City of Sarasota**-
- **Ringling College of Art and Design**-

Questions/Concerns- none

Meeting ended at 1430 on 072120

Next Meeting-October 20, 2020 1:30pm

Meeting Agenda
Local Mitigation Strategy Work Group

Date: July 16, 2019 from 1:30-3:00pm

Location: Emergency Operations Center, 6050 Porter Way, Room 147, Sarasota, FL 34232

Meeting Objectives:

1. Establish Action Items/ deadlines
2. Individual Updates

Group Members & Guests

| | | | | | |
|---------------------|--|-----------|--|-------------------|---------------------------|
| Ed McCrane | Sarasota County | Present | | Guests | |
| Nicole Double | Sarasota County | Present | | | |
| Spencer Anderson | Sarasota County | | | Joe Wyatt | CERT |
| Charles Walter | Sarasota County | | | Thomas Bloomfield | Sarasota County EM Intern |
| Donna Bailey | Sarasota County | Present | | | |
| Matt Osterhoudt | Sarasota County | | | | |
| Heather Larson | Sarasota County | Phoned In | | | |
| Paul Semenec | Sarasota County | Present | | | |
| Eric Tiefenthaler | City of North Port | | | | |
| Elizabeth Wong | City of North Port | Phoned In | | | |
| Valerie Malingowski | City of North Port | Present | | | |
| Todd Kerkering | City of Sarasota | Present | | | |
| Cindy Cahill | City of Sarasota | Present | | | |
| James Linkhogle | Town of Longboat Key | Present | | | |
| Kathleen Weeden | City of Venice | | | | |
| Kathryn Haring | City of Venice | Present | | | |
| Cindy Emshoff | Sarasota Office of Housing/Community Development | Present | | | |
| Todd Underhill | Sarasota Soil and Water Conservation District | | | | |
| Jody Dumas | Sarasota County School Board | | | | |
| James Bugyis | Sarasota Memorial Hospital | | | | |
| Sean Alley | Sarasota Memorial Hospital | Present | | | |
| Mike Klosterman | Sarasota Memorial Hospital | Phoned In | | | |
| Karen Silano | Sarasota County Sheriff's Office | | | | |
| Richard Lyttle | New College of Florida | | | | |
| Lois Suarez | New College of Florida | | | | |
| David Bjekle | University of South Florida-Sarasota Manatee | Present | | | |
| Cherie Knudson | Ringling School of Art and Design | Present | | | |

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| | | |
| 1 | Review facility layout & safety | |
| 2 | Welcome & Introductions | |
| 3 | Approval of April 16th minutes | |
| | Motion to approve mines-Todd Kerkering, Motion Seconded by Donna Bailey | |
| 4 | | |
| 5 | Jurisdictional updates | |
| | Venice -withdrawn not rejected (make change on minutes). Generator on City Hall/Fire Station 1-approved. Has agreement. Will ask for extension on time (2 yrs.) based on construction schedule. Did quarterly report-up to date. HMPG team comms going well. In design process. Hasn't gone out for contract or bid. Once design plan in place will independently bid | |
| | North Port -approval from state for generator project, fire dept hired outside contractor to oversee the grant (procurement process) | |
| | City Sarasota-has contract for Robert Taylor, RFP/invitation to bid. Contractor there this week. Traffic signal-residual money, FDOT requirement but want to do cost benefit analysis (wire vs. mast). | |
| | LBK -building designed with 1999 standards (115) now 150 windload. Wanted to provide generator and window shutters. Will not be approved until entire building brought up to 150mph code. Working with roofers. Means \$950k total project cost. Working with FDEM=tier system or use funds left over from other counties. Asked group if any other facility was required to build up to 150mph. Kathryn said state said ok to request addtl. money due to unforeseen costs. However LBK didn't put roof in budget this year, only generator. State said submit new scope of work. State has been accommodating | |
| | SMH -have local engineering firm to produce drawings to begin generator project. And local general contractors to provide quote. Scope of work changed slightly, hope to have proposal this week . Waiting on Ring Power for submittals | |
| | Sarasota County Public Works -Ocean/Higel Ave-drainage project. On 4th RFI. Consultant who produced the modelling unable to produce info FDEM needs, will do inhouse. Casey Key restoration-on 7th RFI. Chief McCrane offered to contact FDEM to help move project. Ed explained constraints of using grant funds. Heather spoke about Casey Key-FDEM determined not good RFI. Larry Mow reworking scope to make RFI. Heather clarified with Paul-keep drainage project on the books. | |
| | Office of Housing/Community Development -Infrastructure Program- Urgent need program hard to get HUD approved. Have to prove imminent health issue that just occurred and that no other jurisdiction has other program. Use LLMI national objective instead, case by case and proved by income (Example-NP senior home improvement). Referenced scoring material (pg 7). Asked about pg 3 (impacted zip codes) . Can we propose projects that will benefit entire county, not just north port (based on census track)? Ed asked if each city would look at program and determine "shovel ready" project and meets criteria (After Ed clarifies if all jurisdictions can apply). Ed reminded short turnaround time. Ed asked if Heather has additional comments. No-Cindy summed it up. Did say project has to meet national objectives. LBK does not have blocks that would be eligible. Todd-does any of it require fed impact study depends on project. CDGB -environmental reviews must be done- 45-50 days due to citizen comments and other processes. Cindy said grant number assigned then environmental review. Kathryn-CDGB-Venice mobile home park. Will be surprised if areas outside of approved zip code will be accepted. Ed-have between now and 7/29 to determine shovel ready projects. Asked working group to get back to Ed asap. DEO webinar CGDBR review July 22 (last page of document). Listed under hurricane Irma website. At least one rep from each city or county dept should participate. Kathryn asked if community | |

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| | center in MHP could apply for hardening. Cindy=greater than 50% of residents low income. Cindy will research if MHP community center that can serve as a shelter=qualify for infrastructure grant. Kathryn knows may not be acceptable | |
| | Ringling School of Art and Design -no updates | |
| | USF-Sarasota Manatee -no updates | |
| | | |
| | | |
| 6 | Questions/Concerns | |
| | none | |
| | | |
| | Ed-CEMP re-submitted to the state. Lessons learned from Irma, org changes to structure, county admin authority etc. Try to present complete CEMP in August. Once complete LMS working group will receive e copies and hard copies | |
| | Donna B-maintained class 5-up to 25% discount to residents who have flood insurance policies. | |
| | Ed mentioned one more year=Code Red. Then switch. | |
| | Ed working with GIS. Multiple layers of evac levels. Able to share with media, mobile home park red etc. Neighborhoods listed. Donna Bailey-asked for clarification of evacuation level is not a flood zone. But Ed said it is flood zone when storm comes. Ed said we can get with communications for messaging. | |

Meeting Agenda
Local Mitigation Strategy Work Group

Date: October 15, 2019 from 1:30-3:00pm

Location: Emergency Operations Center, 6050 Porter Way, Room 147, Sarasota, FL 34232

Meeting Objectives:

1. Establish Action Items/ deadlines
2. Individual Updates

Group Members & Guests

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| Matt Osterhoudt | Sarasota County | | | | |
| Heather Larson | Sarasota County | Present | | | |
| Michele Norton | Sarasota County | Present | | | |
| Paul Semenec | Sarasota County | Present | | | |
| Eric Tiefenthaler | City of North Port | | | | |
| Elizabeth Wong | City of North Port | Phoned In | | | |
| Valerie Malingowski | City of North Port | Phoned In | | | |
| Todd Kerkering | City of Sarasota | | | | |
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| Cherie Knudson | Ringling School of Art and Design | Present | | | |
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| Cherie Knudson | Ringling School of Art and Design | Present | | | |

| 1 | Review facility layout & safety |
|---|---|
| 2 | Welcome & Introductions |
| 3 | Approval of 7/16/19 minutes |
| | Motion to approve Meeting Minutes-Cheri Knudsen, Motion Seconded by Craig Gammon |
| 4 | <p>Emergency Management Update-Ed McCrane</p> <p>Plan for LMS update due Spring 2021</p> <p>Ed went to training re: LMS update. Have the update manual and FL review tool guide. Ed discussed smartsheet. Will break down each step for updating the plan. Will add current document into smartsheet. Ed may call for a phone meeting regarding the Smartsheet update</p> <p>Will determine who is responsible for updating info in smartsheet. Each jurisdiction will have access and ability to update their info in Smartsheet.</p> <p>Flood plain plans, Emergency plans will be uploaded in smartsheet. Ed wants to look at bylaws during the next meeting. Ensure compliance.</p> <p>More citizen involvement in the process would be helpful</p> <p>Ed is going through EM accreditation process.</p> <p>HRA hazard risk assessment-Ed is working on it. Capture all hazards and mitigation and response plans.</p> <p>Kathleen Weeden-will send link to most current plan. Ed asked group to send flood plan link to him so scgov.net will send user directly to link</p> <p>Donna Bailey-FMA evaluation report-updating projects list. Will send to Ed.</p> <p>Flood Mitigation Assistance plan. Let Ed know if anyone wants to submit an application prior to January 29, 2020 (see-attachment)</p> |
| 5 | <p>Status of Irma HMGP funds-Heather Larson and Steve Hyatt</p> <p>State approved 3 tier 2 projects for city of Sarasota. Heather Larson-summarized HMGP program. State should not approve amounts that exceed LMS recommendations. Also state should not approve any tier 2 until tier 1 projects have been reviewed. There is money left on the table, this LMS group is being asked to determine which projects should be considered for funding. Spreadsheet was distributed.</p> <p>Ed reminded group the goal was to utilize Irma funding so each jurisdiction would receive funding for one project. Paul Semenec-Ocean/Higel. Capped on application \$450k, would welcome additional \$98k.</p> <p>The rest will come from capital improvement project (storm water pipes). Said any additional money for that project could go to failing pipes. Asks for consideration.</p> <p>Kathleen Weeden-Can grant be amended after approval by the state? Steve Hyatt said will probably issue an amended agreement with increased federal share.</p> <p>Heather Larsen-The State wants to obligate every dollar asap</p> <p>List of available funds spreadsheet was reviewed. Need group vote to approve distribution of funds. Motion to approve recommendations on behalf of LMS working group-Motion approved by Kathleen Weeden, Second by Craig Gammon. Ed McCrane stated a letter will be crafted by Steve Hyatt and Heather Larsen regarding funds distribution. Ed thanked Steve and Heather for all of their additional assistance regarding the grant.</p> |

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| | |
| 6 | Jurisdictional updates |
| | Venice -No Updates |
| | North Port -Project goes in front of board in December re: buying undeveloped flooded properties. Group suggests flood mitigation open thru 1/29/20. Donna will send FMA grant test. |
| | SMH -new generator, waiting for comments from AHCA. Electric contractor cost higher than originally anticipated. Does not have the amount with him. Ed said that project has already been through the system. Craig Gammon will email the additional amount to Ed. Heather Larson-reminded Gammon SMH there is an opportunity to amend the agreement for additional funding for generator |
| | Sarasota County Public Works -Ocean/Higel Ave-drainage project. On 4th RFI. Consultant who produced the modelling unable to produce info FDEM needs, will do inhouse. contact FDEM to help move project. Ed explained constraints of using grant funds. Heather spoke about Casey Key-FDEM determined not good RFI. Larry Mow reworking scope on the books. |
| | Office of Housing/Community Development -no updates |
| | Ringling School of Art and Design -no updates |
| | Sarasota Soil and Water Conservation District - Discussed workshop with EM at farm bureau. Mass carcass issue in rural sector. Rural response area-development of manual, with Sara Bostick, overall recovery and response. Ed will send link to Ag deputy video to the group. Re: emergency watershed funding, County applied FRCS covered funding. Bank 3. Todd said looks good, Ed said we need to capture the info into the LMS plan. Paul Semenec will send the details to Ed for LMS plan. Donna Bailey asked Ed to alert her when area gets to 18 ft. so she can create messaging. |
| | Questions/Concerns- none |
| | Next Meeting -January 21, 2020 1:30pm |
| | |
| | |
| | |
| | |
| | |



**Sarasota County
Emergency Management**



Local Mitigation Strategy Working Group
April 19, 2019 - 6050 Porter Way Sarasota Room 147
MEETING MINUTES

| Item | Presenter | Comment/Follow up | Target Completion Date | Status |
|-------------------------------------|---------------------------------|---|------------------------|---|
| Review facility layout and safety | Nicole Double | Provided a briefing on the facility layout including location of exits and restrooms. | N/A | (a) Complete (b) Deferred (c) Assigned to: |
| Welcome and Introductions | | Roll call was taken of participants in the room and on conference call. See attached sign in sheet for in person attendees. Conference call participants included: Elizabeth Wong (North Port), Cherie Knudsen (Ringling Museum) and Mike Klosterman (SMH) Absent= SSO, New College, SCSB not on call or present | N/A | (a) Complete (b) Deferred (c) Assigned to: |
| Approval of 1/15/19 meeting minutes | Todd Kerkering | Motion to approve minutes: Sean Alley. Motion seconded: Cherie Knudson | | a) Complete b) Deferred c) Assigned to: |
| Jurisdictional Updates | | | | |
| City of Sarasota | Todd Kerkering and Paul Semenec | HMGP grant in process for generator Robert Taylor Center-out for bid. Traffic Signal project denied-more info is needed for cost/benefit analysis. | | |
| City of Venice | Kathryn Haring | HMGP grant request to improve drainage denied due to lack of documentation to justify insurable losses. | | |



**Sarasota County
Emergency Management**



| Item | Presenter | Comment/Follow up | Target Completion Date | Status |
|---|----------------|---|------------------------|----------------------------|
| City of North Port | Elizabeth Wong | Working on CRS report. Held workshop for Commission-agreed to apply for consensual ERP for master plan to reduce flooding. Recommended widening culvert to divert storm water. | | |
| Sarasota Memorial Hospital | Sean Alley | Working with the State to purchase 2 generators using HMGP grant. | | |
| Sarasota Soil and Water Conservation District | Todd Underhill | Discussed upcoming SART training. Will continue HAM radio training in rural sector. Hosting HAM radio class in June-will report back to Ed after date/location are finalized. | | Assigned to Todd Underhill |
| USF | David Bjelke | No updates | | |
| Ringling Museum | Cherie Knudsen | No updates | | |
| Other/Open Discussion | Donna Bailey | When are projects updated for LMS? Answer-last working day every January. Projects may be added throughout the year; use scored sheet. If project meets LMS criteria-automatically put on the list. Where are criteria located? Answer-FEMA's Hazard Mitigation Book. | | |
| Next Meeting | | Next meeting 3 rd Tues, June 18, 2019 1:30pm at EOC | | |



**Sarasota County
Emergency Management**



Local Mitigation Strategy Working Group
January 15, 2018 - 6050 Porter Way Sarasota Room 147
MEETING MINUTES

| Item | Presenter | Comment/Follow up | Target Completion Date | Status |
|--|-----------|--|------------------------|---|
| Review facility layout and safety | | Provided a briefing on the facility layout including location of exits and restrooms. | N/A | (a) Complete (b) Deferred (c) Assigned to: |
| Welcome and Introductions | | Roll call was taken of participants in the room and on conference call. See attached sign in sheet for in-person attendees. Conference call participants included: Present=Ed McCrane (SRQ), Nicole Double (SQ), Scott Titus (NP), Elizabeth Wong (NP), Todd Kerkerling (SA), James Linkogle (LB), Kathleen Weeden (V), Cherie Knudson (RM), Kathryn Harring (V), Paul Semenec (SRQ), Don Herme (MM), Maika Arnold (LB), Des Companion (SRQ), Todd Underhill (SWCD), Sean Alley (SMH), Craig Gammon (SMH). Absent=SSO, New College, USF, SCSB not on call or present | N/A | (a) Complete (b) Deferred (c) Assigned to: |
| Approval of September 25, 2018 Meeting Minutes | All | Motion to approve Minutes-Todd Kerkerling approved, Sean Alley seconded motion. Minutes approved. | | (a) Complete (b) Deferred (c) Assigned to: |



Sarasota County
Emergency Management



| Item | Presenter | Comment/Follow up | Target Completion Date | Status |
|--------------------|------------|--|------------------------|--|
| LMS Annual Letter | Ed McCrane | Letter to Miles Anderson, Florida Department of Community Affairs, from Sarasota Board of County Commissioners dated 1/25/19 was distributed and discussed. LMS Working Group Membership List was modified based on information from the group. Action item-Nicole will distribute updated LMS Membership Group the group | | a) Complete b) Deferred c) Assigned to: Nicole Double |
| EMAP Accreditation | Ed McCrane | Goal is to receive accreditation over the next 2 years. Additional information will be emailed to the group. Ed reinforced that the entire group will benefit from EMAP .mitigation. Public Works involvement was discussed. Example, minutes, sign in etc. Action item-Nicole will compile 2 years of LMS meetings minutes and notes-send to group | | a) Complete b) Deferred c) Assigned to: Nicole Double |



Sarasota County
Emergency Management



| Item | Presenter | Comment/Follow up | Target Completion Date | Status |
|------------------------|-----------|---|------------------------|---|
| Jurisdictional updates | All | HMGP Grants City of Sarasota -approved, waiting for contract for generator. Venice -HMDP-approved via emails, State drafting contract, re generator. No response on tier 2 project North Port -received approval, generator for City Hall, waiting for contract. SMH -not familiar with the approval, Andy Bowdwin on LOA, will check back. LBK -has not received approval yet, reached out to state-no response. Ed offered assistance if needed. | | a) Complete b) Deferred c) Assigned to: |
| Other/Open Discussion | All | Ed -27 page requirements-proof of written invitation to participate. Ed will submit. Changes to <u>mitigation plan</u> , make any notes and send back to Ed. Action-Ed will resend mitigation plans to members. Action-Group will research any changes to risk assessments and get info back to Ed by Friday, 1/21/19 Ed asked group to make a note of "complete" on the list and email back City of Sarasota-After potential Bahia Vista levee breach during heavy rains it was suggested impacted residents (approx. 10) receive information about flood insurance availability. Action: Paul/Stormwater will check status of levee safety and stability. | | (a) Complete (b) Deferred (c) Assigned to: Ed McCrane, LMS Group, Paul/Stormwater, Dez |

Commented [ND1]: Ed do you want this highlighted part included?



Sarasota County
Emergency Management



| Item | Presenter | Comment/Follow up | Target Completion Date | Status |
|------|-----------|---|------------------------|--------|
| | | <p>Ed- During possible levee breach a Command Post was set up, ready to perform door to door evacs, had busses in place. Sent out Code Red to all affected residents, as a precaution.</p> <p>North Port- updating CEMP, should be completed by end of Feb, will send to Ed. Flood risk- between City of North Port, North Port Estates and Woodland Estates (R36 canal). Ed said NP and SCounty stormwater staff needs to meet and discuss. Maybe a future project</p> <p>Venice-working on downtown stormwater project, reconstructing entire downtown Venice. No EM issues currently.</p> <p>LBK-moving forward with undergrounding power project, sea level rise initiative. Mirroring city of Sarasota's work in that area. Staffing changes. Concerned about traffic issues/evac issues.</p> <p>SMH-Mickey retiring 4/1/18, Debbie Duff retiring at undetermined time, finished west campus parking garage (opened Dec, 2018).</p> <p>Conservation District- Drafting ag and rural component, recommendations re preparedness and mitigation from LMS group are welcomed.</p> | | |



Sarasota County
Emergency Management



| Item | Presenter | Comment/Follow up | Target Completion Date | Status |
|--------------|-----------|---|------------------------|--------|
| | | <p>Ed-In rural areas there are 22 HAM radio operators to assist ranchers, etc. Ability to warn (prevention). Did a You Tube video-farm bureau, that discusses project. Held a lost bicyclist scenario/drill (K-9, SSO, cattlemen). During a recent documented event, found the bicyclist using the methods practiced.</p> <p>Des-held 5 workshops, prevent flooding to homes and businesses. Partnered with libraries. Action-She will send out flyer to group. Describes diff between evac level and risk. Suggested realtors, ins agents etc. become more educated. Flood plain management Plan pushed to 1/29 or 2/12.</p> <p>Mote-attending ICS 300 class, end of Feb. Todd and Scott presenting at the EOC.</p> <p>Ringling-no concerns or issues</p> | | |
| Next Meeting | | Next meeting 3rd Tuesday, April 16, 2019 1pm at EOC, Room 147 | | |



Sarasota County Emergency Management



Ed says more funds may available due to Michael, but Sarasota County will probably be way down the list

Commented [ND2]: Let me know if you'd like any/all of this included. Thx

Ed wants to look at updating LMS in 2020-initiatives and goals. ensure we are compliant.

Hazard analysis-Ed will do a matrix (flood plain, CEMP, LMS will be compared). Goal over next couple of years. Do self assessment, then submit documentation for following year. This year CEMP, next year LMS

Any other issues for the good of the order

Elizabeth Wong-slough reduction study, going in front of commission. One of the projects is widening R36 canal. If approved it would double the capacity under dirt road towards woodland. Long way off. Including upsize of culvert and including under I-75. May create by pass canal. Myakkahatchee flows into Myakka River. Flood control project-bid to replace water control structure off Coco Plum. No grant funding as of yet. \$2.3M project

FEMA encouraging spending the funds in prevention projects rather than after is cheaper. Ed reminded group to have the info/studies etc ready to go if funds open up. Ed hopeful new FEMA director will provide more funds for County EM projects.

Meeting Notes

Local Mitigation Strategy Work Group

Date: April 21, 2020 from 1:30-3:00pm

Location: Emergency Operations Center, 6050 Porter Way, Room 147, Sarasota, FL 34232

Conference Call due to COVID19

Meeting Objectives:

1. Establish Action Items/ deadlines
2. Individual Updates

Group Members & Guests

| | | |
|---------------------|--|---------|
| Ed McCrane | Sarasota County | present |
| Nicole Double | Sarasota County | present |
| Steve Hyatt | Sarasota County | present |
| Lee Prince | Sarasota County | present |
| Charles Walter | Sarasota County | |
| Donna Bailey | Sarasota County | present |
| Joe Kraus | Sarasota County | present |
| Matt Osterhoudt | Sarasota County | |
| Heather Larson | Sarasota County | present |
| Michele Norton | Sarasota County | |
| Paul Semenec | Sarasota County | present |
| Dez Companion | Sarasota County | present |
| Eric Tiefenthaler | City of North Port | present |
| Elizabeth Wong | City of North Port | present |
| Valerie Malingowski | City of North Port | present |
| Todd Kerkerling | City of Sarasota | present |
| Cindy Cahill | City of Sarasota | present |
| James Linkhogle | Town of Longboat Key | present |
| Kathleen Weeden | City of Venice | present |
| Kathryn Harring | City of Venice | present |
| Frank Giddens | City of Venice | present |
| Shawn Carvey | City of Venice | present |
| Cindy Emshoff | Sarasota Office of Housing/Community Development | present |
| Todd Underhill | Sarasota Soil and Water Conservation District | present |
| Jody Dumas | Sarasota County School Board | |
| Craig Gammon | Sarasota Memorial Hospital | present |
| James Bugyis | Sarasota Memorial Hospital | |
| Sean Alley | Sarasota Memorial Hospital | present |
| Mike Klosterman | Sarasota Memorial Hospital | present |
| Karen Silano | Sarasota County Sheriff's Office | |
| Richard Lyttle | New College of Florida | |
| Luis Suarez | New College of Florida | |
| David Bjekle | University of South Florida-Sarasota Manatee | |
| Cherie Knudson | Ringling College of Art and Design | present |

Emergency Management Update-Chief Ed McCrane

Roll call. Thanked the group for calling in, explained we may do more virtual meetings in the future due to COVID and group availability to attend in person. EM Team busy with COVID response. No LMS extension for updates due to COVID. Updates are not due until Spring, 2021. Ed feels we have good base document to work from. Group should have received SmartSheet invitation, includes a copy of current plan and checklist, guide, manual. More discussion to come. Asked group to let him know if group finds items to update in those documents. Please track changes in SmartSheet; if anyone needs assistance please let us know. Ed asked Joe Kraus for assistance re: stats and data, graphs. Main doc is multijurisdictional. Annexes will be individual flood plans, CRS and LMS information. Ed emailed Critical Facility Hardening Program Grant information to the group.

Applications must be returned by June. Asked Lee Prince to review grant and to assist group with questions. Lee said he has read the information and determined there may be some eligible projects for the LMS working group. Opportunities mentioned; utilizing funds for shelters, fire departments, hospitals. Lee said it will take some time to review and get the info out to group. Ed mentioned webinar on 4/22/20. Ed asked if anyone had any COVID concerns, please let him know so they can get info.

Eric/NP-Asked if the CDBG-MIT grant and previously mentioned facility hardening grant are one and the same? Lee replied yes.

Todd/City of Sarasota-spoke earlier with Cindy who confirmed she had spoken with North Port and Venice. Will speak to City of Sarasota. Todd reminded group that the grant will go through Cindy and Heather's teams. Suggested group select a representative from each jurisdiction to communicate needs regarding the grant to Cindy, Heather and Lee to avoid duplication and stay organized. Said Cindy is leaning forward and will communicate with Heather's office.

Updates:

- **City of Venice**-went out for bid, got 3 quotes. GMP evaluating quotes and working with state. May need extension, notified granting agency. Waiting for public comments on flood plain management plan
- **City of Sarasota**-generator has been built, switching being delivered soon. Permit approved. Concrete pad installed next couple weeks. Generator should be operational by middle of August
- **Town of Longboat Key**-design review for roof and window hardening. Has generator info. Charlie Motts reached out to state, may need to do extension. Ed said LBK and Venice received addtl. funding due to turn back of funding from Sarasota County. Flood plain management plan due for update to ISO for CRs for 10/1/20. Manatee County ahead of the sequence for Sarasota. They are in the process of getting complete LMS updates approved by the state.
- **Sarasota county public works/Storm Water**-Ocean/Higel drainage improvement project approved by FEMA. Waiting for funding agreement from FDEM, then will put through e-genda process. Has asked capital projects to work on construction solicitation
- **Sarasota Memorial Hospital**-North Port switch gear. Conduit will be run Monday. Bayside West-generator and switch gear have been installed. Wiring completed, but still on backup gen. Set for commissioning on Monday. Waiting for hurricane screens to protect gen. Should be complete mid-May. Held up due to lack of steel supply due to COVID. New Venice hospital project-proceeding as normal

- **City of North Port-** Re: CDBG mitigation funds. Will those applications go through Sarasota Office of Housing/Community Development? Heather Larsen said that hasn't been determined yet. Because the funds are CDBG mitigation funds they are offering different process than the disaster funding. Heather asked Lee Prince if there will be an upcoming webinar? Lee said yes, he will forward the invite to the group. Ed said he sent the flyer out earlier which includes link to webinar. Ed asked Lee to resend to the group. Re: water control structure project. Group voted to allow. North Port said request was submitted, waiting for response. \$4,158,000 City of North Port continues to move forward. TLC engineering study has been reviewed. Will need larger generator. Working with Pegasus to file for extension. Question-feedback on LMS update timeframe? Ed wants input within 30 days to review document. Asked group to track changes, save document. Ed will review. Elizabeth Wong sent Ed edits; he updated. Elizabeth Wong asked FMP annex deadline? Ed said due March, 2021 but Ed would like to have it by December, 2020. Newest version of flood management plan will be used as the attachment.
- **City of Sarasota-** Repetitive Loss study. Ed has endorsement letter ready, prepared by Steve Hyatt. Letter will go to Todd Kerkering, he will mail to State (\$68k). Ed asked any objections. No objection from group. Will send info to FDEM. Hurricane Michael funding will be used
- **Ringling College of Art and Design-**no updates

Questions/Concerns- none

Meeting ended at 1400 on 042120

Next Meeting-July 21, 2020 1:30pm

Sarasota County Government



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COUNTY CALENDAR

Bicycle/Pedestrian/Trails

Advisory Committee – Jan. 21, 5:30 p.m., Training Room, First Floor, Administration Center, 1660 Ringling Blvd., Sarasota. Call 941-861-0945

Englewood Community Health Action Team (Englewood CHAT)

– Jan. 21, 9:30–11 a.m., St. David's Episcopal Church, 401 S. Broadway St., Englewood. Call 941-861-2779

Family Safety Alliance – Jan. 23, 3-4:30 p.m.

– Jan. 23, 3-4:30 p.m., The Twig, 826 Pinebrook Road, Venice. Call 941-861-2578

Historical Commission Nominating Committee – Jan. 22, 4:30 p.m.

– Jan. 22, 4:30 p.m., Historical Resources, 6062 Porter Way, Sarasota. Call 941-861-5481

Local Mitigation Strategy Working Group – Jan. 21, 1:30-3 p.m.

– Jan. 21, 1:30-3 p.m., Multi-Agency Coordination Center, First Floor, Emergency Operations Center, 6050 Porter Way, Sarasota. Call 941-861-5495 or 941-232-8366

Sarasota County Immunization Coalition – Jan. 23, 1-2:30 p.m.

– Jan. 23, 1-2:30 p.m., Room 2063, William L. Little Health & Human Services Center, 2200 Ringling Blvd., Sarasota. Call 941-

861-2914

Value Adjustment Board (VAB) Petitioner Hearings – Jan. 27, 10 a.m.

– Jan. 27, 10 a.m., Administration Center, 1660 Ringling Blvd., Sarasota. All hearing schedules are subject to change. Call 941-861-5279

close for Martin Luther King Jr. holiday

Most Sarasota County Govern-

Department of Health in Sarasota County, will be closed Monday, Jan. 20, for the national observance celebrating the birthday of Martin Luther King Jr. Sarasota County Area Transit (SCAT), including the Siesta Key Breeze, will be on a normal bus schedule on Jan. 20. However, the customer service stations at SCAT Administration and the downtown transfer station will be closed for the day.

All Sarasota County recreation

range at Knight Trail Park will be closed. All Sarasota County libraries will also be closed. Curbside collection services for trash, recycling and yard waste

and remain on the regular pickup schedule. Because collection times vary, residents should place materials at the curb by 6 a.m. the day of pickup. Residents in unincorporated Sarasota County are reminded to keep a three-foot clearance around recycling carts when placing them at the curb. This helps ensure accessibility for collection.

Knights Trail Road and the Chemical Collection Center at 8750 Bee Ridge Road will be closed Jan. 20 for the holiday. Sarasota County's Chemical Collection Center at 250 S. Jackson Road will be closed Jan. 20. Sarasota County's Chemical Collection Center and Re-Uz-It Shop at 8750 Bee Ridge Road, along with the Citizen's Convenience Center at 4010 Knights Trail Road will be open Jan. 20.

For more information, visit scgov.net.

Sunday hours return at two Sarasota County libraries

Sarasota County Libraries and Historical Resources will reinstate Sunday operating hours at Selby and Frances T. Bourne Jacaranda Public Libraries starting Jan. 26. These libraries will be open from 1-5 p.m. every Sunday.

Sunday library hours since 2012 when the county had to reduce hours as a cost-saving measure. This reinstatement is aimed at increasing service access to residents and students, following the county commission approval of the program in 2019.

Small celebrations with refreshments are planned at both libraries on Jan. 26 to mark the reinstatement of Sunday hours.

Selby Public Library is located 1331 First St., Sarasota and served by SCAT Route 2. Frances T. Bourne Jacaranda Public Library is located 4143 Woodmere Park Blvd., Venice. For more information call the Sarasota County Contact Center at 941-861-5000 or visit scgov.net.

LOOK

ADVISORY BOARD VACANCIES

Visit www.scgov.net/advisoryboards or contact the Sarasota County Call Center at 861-5000 for latest vacancies and information about Sarasota County Advisory Boards.

Sarasota County prohibits discrimination in all services, programs or activities on the basis of race, color, national origin, age, disability, sex, marital status, familial status, religion, or genetic information. Persons with disabilities who require assistance or alternative means for communication of program information (Braille, large print, audiotape, etc.), or who wish to file a complaint, should contact: Sarasota County ADA/ Civil Rights Coordinator, 1660 Ringling Blvd., Sarasota, Florida 34236, Phone: 941-861-5000, TTY: 7-1-1 or 1-800-955-8771. Email: adacoordinator@scgov.net. Persons needing assistance are asked to provide notice as soon as practicable in advance of the event to allow time to accommodate their request.

HELP STOP the spread of COVID-19



STAY HOME, STAY INFORMED, STAY HEALTHY.

In light of the extraordinary circumstances surrounding the COVID-19 health emergency, and to protect the health

the general public, health screening procedures are in

facilities. There will be two public meetings this week.

Board of County Commissioners – April 22, 9 a.m., Commission Chamber, First Floor, Administration Center, 1660 Ringling Blvd., Sarasota. Call 941-861-5344

LIVE TV and Webcast

Consistent with the guidance from CDC and the Executive Orders of the Governor of

the State of Florida to limit public interactions, the public is strongly encouraged to submit any comments on matters to be addressed by the commission in advance of the meeting

meeting record. Visit scgov.net to access the online public comment form. If you do not have Internet access, please call 941-861-5000 for other options to provide input.

Local Mitigation Strategy Working Group – April 21, 1:30-2:30 p.m., Conference call only due to COVID-19 response. Send email requesting phone number and pin to emccrane@scgov.net.

All Sarasota County advisory council meetings have been suspended for the month of April. The community is urged to take advantage of the

county's phone-based and online services whenever possible.

Sarasota County continues to conduct business via online services, email, mail and phone. All in-person services require an appointment.

CONTACT INFORMATION

- For a list of contacts and how to access our online services, visit **scgov.net/COVID-19** or call the Sarasota County Contact Center at **941-861-5000**.
- For digital library resources and to sign up for a card, visit **scgov.net/library**.
- For information about parks, preserves and beach closures, visit **scgov.net/parkstatus**.

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Sarasota County Government

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COUNTY CALENDAR

Charter Review Board
July 22, 6 p.m.
Commission Chamber, First
Floor, Administration Center,
1660 Ringling Blvd., Sarasota.
Call 941-861-5279.
LIVE TV and Webcast

Englewood Community
Health Action Team
(Englewood CHAT)
July 21, 9:30-11 a.m.
REMOTE MEETING
via Zoom. Email Ashley.

join the meeting.

Family Safety Alliance
July 23, 3 p.m.
REMOTE MEETING.
Visit <https://us02web.zoom.us/j/83372362658> to join the
meeting. Call 941-861-2578.

Local Mitigation
Strategy Working Group
July 21, 1:30-3 p.m.
REMOTE MEETING.
Email emccrane@scgov.net
to join the meeting.

LOOK

ADVISORY BOARD VACANCIES

Visit www.scgov.net/advisoryboards or
contact the Sarasota County Call Center at
861-5000 for latest vacancies and information
about Sarasota County Advisory Boards.

Planning Commission
July 23, 5 p.m.
REMOTE MEETING.
Visit www.scgov.net/publicinput
for viewing/listening options,
to provide written testimony, or
to register to provide remote
testimony, or call 941-861-5244
for assistance.
LIVE TV and Webcast

Consistent with guidance from
the Centers for Disease Control
and Prevention and executive
orders of the governor of the
state of Florida to limit public
interactions, Sarasota County is
providing alternatives to in-person
attendance at public meetings.

Visit www.scgov.net/publicinput
for more information on how to
participate. If you do not have
Internet access, please call
941-861-5000 for assistance.

To protect the health and
general public, health screening

visitors to county facilities,
including public meeting
attendees. The community
is urged to take advantage
of the county's phone-based
and online services whenever
possible, and in-person services
require an appointment.

Sarasota County
Commissioners endorse
surgeon general's
recommendations
on masks.

The Sarasota County
Commission has endorsed
recommendations from the
Florida Surgeon General that
states all individuals in Florida
should wear face coverings
in any setting where social
distancing is not possible.

In addition, the commissioners
support the decisions that
businesses make regarding
COVID-19 safety measures
in their establishments.

The community is also
encouraged to continue
following health and safety
recommendations from the
Florida Department of Health
and the Centers for Disease
Control and Prevention to
help stop the spread
of COVID-19.

For more information, call
the Sarasota County Contact
Center at 941-861-5000 or
visit www.scgov.net.

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Sarasota County Government



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COUNTY CALENDAR

Charter Review Board – Oct. 16, 6 p.m., Commission Chamber, First Floor, Administration Center, 1660 Ringling Blvd., Sarasota. Call 941-861-5279 – **LIVE TV and Webcast**

Charter Review Board Special Committee Meeting – Oct. 16, 4:30 p.m., Press Room, First Floor, Administration Center, 1660 Ringling Blvd., Sarasota. Call 941-861-5279

Coastal Advisory Committee – Oct. 17, 3 p.m., Training Room, First Floor, 1660 Ringling Blvd., Sarasota. Call 941-861-0673

Community Action Agency

Program Subcommittee – Oct. 22, 4 p.m., Room 227, William L. Little Health & Human Services Center, 2200 Ringling Blvd., Sarasota. Call 941-861-2877

Early Learning Coalition Board of Directors – Oct. 16, 6 p.m., Conference Room A/B, Brown Awning Building, School Board of Sarasota County, The Landings, 1980 Landings Blvd., Sarasota. Call 941-954-4830, Ext. 115

Englewood Community Health Action Team (Englewood CHAT) – Oct. 15, 9:30-11 a.m., St.

David's Episcopal Church, 401 S. Broadway St., Englewood. Call 941-861-2779

Englewood Community Redevelopment Area (CRA) Advisory Board – Oct. 14, 1 p.m., Lemon Bay Park and Environmental Center, 570 Bay Park Blvd., Englewood. Call 941-473-9795

General Contractors Licensing & Examining Board – Oct. 17, 2 p.m., Conference Room 1, Sarasota County Operations Center, 1001 Sarasota Center Blvd., Sarasota. Call 941-861-5214

Juvenile Justice Circuit Advisory Board – Oct. 14, 1:30 p.m., Room 226, William L. Little Health & Human Services Center, 2200 Ringling Blvd., Sarasota. Call 941-861-2877

Legacy Trail Extension North Port Connector Public Meeting – Oct. 15, 5 p.m., Morgan Family Community Center, 6207 W. Price Blvd., North Port. Call 941-861-5000

Local Mitigation Strategy Working Group – Oct. 15, 1:30-3 p.m., Room 147, First Floor, Emergency Operations Center, 6050 Porter Way, Sarasota. Call 941-861-5495 or 941-232-8366

Planning Commission – Oct. 17, 5 p.m., **CANCELLED**. Call 941-861-5000

Probation Advisory Board – Oct. 16, noon, Small Conference Room, Eighth Floor, Court Administration, Judge Lynn N. Silvertooth Judicial Center, 2002 Ringling

Bldv., Sarasota. Call 941-861-2877

Tobacco Free Partnership of Sarasota County – Oct. 18, 3:30-5 p.m., Room 2063, William L. Little Health & Human Services Center, 2200 Ringling Blvd., Sarasota and via videoconference to Conference Room A, North Port Health Center, 6950 Outreach Way, North Port. Call 941-861-2730

Sarasota County announces 2020 'One Book' selection

Sarasota County Libraries and Historical Resources announces the return of the popular One Book, One Community program for 2020 with the selection of Kate Moore's "The Radium Girls: The Dark Story of America's Shining Women." The book details the true story of unsafe and deadly workplace conditions for female workers during World War I who painted radium on watch dials, and later military equipment at factories in New Jersey and Illinois. Many experienced painful,

result of their exposure to radium. These young women began a race-

would forever change US labor laws. Sarasota County Libraries and Historical Resources Director Renee Di Pilato said the book was an inspiring choice for the One Book program, because of its honest look at the country's history. The program has recognized local authors as well as world-renowned writers. For more information, including information about the author's visit, call the Sarasota County Contact Center at 941-861-5000 or visit scgov.net.

LOOK

ADVISORY BOARD VACANCIES

Visit www.scgov.net/advisoryboards or contact the Sarasota County Call Center at 861-5000 for latest vacancies and information about Sarasota County Advisory Boards.

Sarasota County prohibits discrimination in all services, programs or activities on the basis of race, color, national origin, age, disability, sex, marital status, familial status, religion, or genetic information. Persons with disabilities who require assistance or alternative means for communication of program information (Braille, large print, audiotape, etc.), or who wish to file a complaint, should contact: Sarasota County ADA/ Civil Rights Coordinator, 1660 Ringling Blvd., Sarasota, Florida 34236, Phone: 941-861-5000, TTY: 7-1-1 or 1-800-955-8771. Email: adacoordinator@scgov.net. Persons needing assistance are asked to provide notice as soon as practicable in advance of the event to allow time to accommodate their request.

From: [Nicole Double](#) on behalf of [EOC Coordination Center \(MACC\)](#)
To: [Andy Beaudoin](#); [Cherie Knudson](#); [Cindy Emshoff](#); [Craig Gammon](#); [Cynthia Cahill](#); [David Bjelke](#); [Desiree Companion](#); [Don Herme](#); [Donna Bailey](#); [Ed McCrane](#); [Elane](#); [Elizabeth Wong](#); [Eric Tiefenthaler](#); [Heather Larson](#); [James Linkogle](#); [joseph wyatt](#); [Kathleen Weeden](#); [Kathryn Harring](#); [Luanne](#); [Maika Arnold](#); [Matthew Osterhoudt](#); [Melissa Heskin](#); [Mike Klosterman](#); [Nicole Double](#); [Paul Semenec](#); [Richard Lyttle](#); [Ron Byers](#); [Sean Alley](#); [Steve Hyatt](#); [Todd Kerkering](#) (richard.kerkering@sarasotafl.gov); [Todd Underhill](#); [Valerie Malingowski](#)
Subject: LMS Meeting
Start: Tuesday, January 21, 2020 1:30:00 PM
End: Tuesday, January 21, 2020 3:00:00 PM
Location: EOC Command Room 147
Attachments: [LMS Update Manual 2019.pdf](#)
[FY 2019 FMA NOFO.pdf](#)
[FINAL LMS Meeting Minutes 101519 \(002\).docx](#)

Local Mitigation Strategy Working Group – Tues Jan 21, 1:30-3 p.m., Multi Agency Coordination Center (MACC), First Floor, Emergency Operations Center, 6050 Porter Way, Sarasota. Call 941-861-5495 or 941-232-8366

Good morning-

Please note the meeting room is the MACC (Multi Agency Coordination Center). There is another meeting being held in the usual conference room by the Sarasota County Fire Department. Please follow the signs and proceed to the MACC upon arrival.

Attached you will find documents relevant to the meeting as well the minutes from the 101519 meeting.

If for some reason you cannot make the meeting in person please call in at:

1 800 820 4690

Pin 5635165#

Thank you.

From: [Nicole Double](#) on behalf of [EOC Coordination Center \(MACC\)](#)
To: [Andy Beaudoin](#); [Cherie Knudson](#); [Cindy Emshoff](#); [Craig Gammon](#); [Cynthia Cahill](#); [David Bjelke](#); [Desiree Companion](#); [Don Herme](#); [Donna Bailey](#); [Ed McCrane](#); [Elane](#); [Elizabeth Wong](#); [Eric Tiefenthaler](#); [Heather Larson](#); [James Linkogle](#); [joseph wyatt](#); [Kathleen Weeden](#); [Kathryn Harring](#); [Maika Arnold](#); [Matthew Osterhoudt](#); [Melissa Heskin](#); [Mike Klosterman](#); [Nicole Double](#); [Paul Semene](#); [Richard Lyttle](#); [Ron Byers](#); [Sean Alley](#); [Steve Hyatt](#); [Todd Kerker](#) (richard.kerker@sarasotafl.gov); [Todd Underhill](#); [Valerie Malingowski](#) (vmalingowski@cityofnorthport.com)
Cc: [Rachel Herman](#); [Joseph Kraus](#); [Kathleen Croteau](#); [Kelly Carothers](#)
Subject: LMS Meeting
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Good morning-

Please note the meeting will be held in 147 as usual

Attached you will find documents relevant to the meeting as well the minutes from the 101519 meeting.

If for some reason you cannot make the meeting in person please call in at:

1 800 820 4690

Pin 5635165#

Thank you.

From: [Nicole Double](#)
To: [MSTeams Conference Bridge Emergency Services](#); [Edward McCrane](#); [Nicole Double](#); [Cherie.Knudson@ringling.org](#); [Cindy.Emshoff@sarasotafl.gov](#); [Cynthia.Cahill@sarasotafl.gov](#); [David Bjelke](#); [Donna Bailey](#); [ewong@cityofnorthport.com](#); [Heather Larson](#); [KWeeden@Venicegov.com](#); [KHarring@Venicegov.com](#); [Michael-Klosterman@smh.com](#); [Paul Semenec](#); [Sean Alley](#); [Steve Hyatt](#); [Richard Kerkering](#); [todd](#); [Eric Tiefenthaler](#); [Matthew Osterhoudt](#); [Joseph Kraus](#); [vmalingowski@cityofnorthport.com](#); [jlinkogle@longboatkey.org](#)
Cc: [Ron-Byers@smh.com](#); [marnold@longboatkey.org](#); [Andy-Beaudoin@smh.com](#); [Craig-Gammon@smh.com](#); [Paul Dezzi](#); [Frank Giddens](#); [Bjelke, David](#); [Stan Dinwoodie](#)
Subject: LMS meeting minutes
Date: Monday, October 19, 2020 2:00:00 PM
Attachments: [LMS Meeting Minutes 072120.docx](#)

Good afternoon-

Attached please find the minutes from the July LMS meeting.

Thank you.

Nicole M. Double
Emergency Management Coordinator
Emergency Services
Sarasota County Emergency Operations Center
6050 Porter Way
Suite 156
Sarasota, FL 34232

Office: 941-861-5493
Cell: 941-928-3381

ndouble@scgov.net

<https://www.scgov.net>



All email sent to and from Sarasota County Government is subject to the public record laws of the State of Florida.

From: [Nicole Double](#)
To: [Edward McCrane](#)
Subject: RE: HMGP Rulemaking Workshop Tomorrow, Friday January 31 at 9:00 am
Date: Thursday, January 30, 2020 3:18:00 PM

Thank you!

Nicole M. Double
Emergency Management Coordinator
Emergency Services
Sarasota County Emergency Operations Center
6050 Porter Way
Suite 156
Sarasota, FL 34232

Office: 941-861-5493
Cell: 941-928-3381

ndouble@scgov.net

<https://www.scgov.net>



All email sent to and from Sarasota County Government is subject to the public record laws of the State of Florida.

From: Edward McCrane <emccrane@scgov.net>
Sent: Thursday, January 30, 2020 3:14 PM
To: Kathleen Weeden <kweeden@venicegov.com>; Kathryn Harring <kharring@venicegov.com>; Richard Kerkerling <richard.kerkerling@sarasotafl.gov>; James Linkogle (jlinkogle@longboatkey.org) <jlinkogle@longboatkey.org>; Cindy Emshoff <Cindy.Emshoff@sarasotafl.gov>; Steve Hyatt <shyatt@scgov.net>; Heather Larson <hlarson@scgov.net>; Frank Giddens <fgiddens@venicegov.com>; Eric Tiefenthaler <etiefenthaler@cityofnorthport.com>; Valerie Malingowski <vmalingowski@cityofnorthport.com>; Sean Alley <Sean-Alley@smh.com>; David Bjelke <dbjelke@sar.usf.edu>; Cherie Knudson <Cherie.Knudson@ringling.org>; todd <todd@underhillranch.com>; Nicole Double <ndouble@scgov.net>
Subject: RE: HMGP Rulemaking Workshop Tomorrow, Friday January 31 at 9:00 am

Importance: High

The Florida Division of Emergency Management Just **cancelled** its 1/31/20 Meeting/Workshop Hearing on the HMGP Rule (Ch. 27P-22, Florida Administrative Code). The Notice will be available at this link.

http://www.FLRules.org/gateway/View_Notice.asp?id=22880474

The Division **rescheduled** the Meeting/Workshop Hearing for **Monday, February 10, 2020 at 3:30pm**. A call-in number will be provided. The Notice will be available at this link. http://www.FLRules.org/gateway/View_Notice.asp?id=22880668

The Agenda for the rescheduled Meeting/Workshop Hearing is attached along with the call-in number for the Hearing. If you have any questions, please contact me.

From: Edward McCrane <emccrane@scgov.net>

Sent: Thursday, January 30, 2020 3:00 PM

To: Kathleen Weeden <kweeden@venicegov.com>; Kathryn Haring <kharring@venicegov.com>; Richard Kerkering <richard.kerkering@sarasotafl.gov>; James Linkogle (jlinkogle@longboatkey.org) <jlinkogle@longboatkey.org>; Cindy Emshoff <Cindy.Emshoff@sarasotafl.gov>; Steve Hyatt <shyatt@scgov.net>; Heather Larson <hlarson@scgov.net>; Edward McCrane <emccrane@scgov.net>; Frank Giddens <fgiddens@venicegov.com>; Eric Tiefenthaler <etiefenthaler@cityofnorthport.com>; Valerie Malingowski <vmalingowski@cityofnorthport.com>; Sean Alley <Sean-Alley@smh.com>; David Bjelke <dbjelke@sar.usf.edu>; Cherie Knudson <Cherie.Knudson@ringling.org>; todd <todd@underhillranch.com>

Subject: FW: HMGP Rulemaking Workshop Tomorrow, Friday January 31 at 9:00 am

Importance: High

Please share this invite with other from your organization who deal who are involved in the HMGP Grant process

From: FEPA Secretary <Secretary@fepa.org>

Sent: Thursday, January 30, 2020 2:12 PM

Subject: HMGP Rulemaking Workshop Tomorrow, Friday January 31 at 9:00 am

Caution: This email originated from an external source. **Be Suspicious of Attachments, Links and Requests for Login Information**

Greetings Mitigators,

FDEM will be having a HMGP Workshop regarding proposed changes to Rule Chapter 27-P 22. It is vital LMS Chairs and those involved in mitigation at local level participate in this workshop. You will find the agenda and call-in number below.

Please forward this information to anyone involved in Mitigation in the State of Florida that may not be on this email list and I apologize for any duplication.

Florida Division of Emergency Management

HMGP Workshop Agenda

January 31, 2020

09:00 AM

- Read Notice
- Introductions
- Discuss the Rule
- Discuss JAPC letter/comments
- Discuss changes in response to JAPC's letter/comments
- Take additional public comment on any proposed rule changes
- Conclusion

Conference call-in number- 1-888-585-9008

Conference Room- 454 953 84

Thank you all and I hope you can make it on the call tomorrow.

Kelly Wilson
FEPA Mitigation Committee Co-Chairperson

Post Details



Sarasota County Emergency Services ✓

Published by Hootsuite [?] · 2d · 🌐

Sarasota County Emergency Management, along with local jurisdictions and partners, have drafted an updated Sarasota County Unified Local Mitigation Strategy (LMS) for 2020.

An LMS provides a way to identify natural hazards that may affect the area and prevent or minimize their potential impacts on the community. The plan also assesses risks and vulnerabilities, and establishes a coordinated process for implementation.

Local governments are federally required to develop and ... [See More](#)

SCGOV.NET

Local Mitigation Strategy Comment Form | Sarasota County, FL

If you would like to provide written feedback on the Local Mitigation...



Get More Likes, Comments and Shares

When you boost this post, you'll show it to more people.

838

People Reached

3

Engagements

[Boost Post](#)



Ryan PM



Like



Comment



Share

Performance for Your Post

838 People Reached

1 Likes, Comments & Shares ⓘ

1

Likes

1

On Post

0

On Shares

0

Comments

0

On Post

0

On Shares

0

Shares

0

On Post

0

On Shares

2

Post Clicks

0

Photo Views

0

Link Clicks ⓘ

2

Other Clicks ⓘ

NEGATIVE FEEDBACK

1 Hide Post

0 Hide All Posts

0 Report as Spam

0 Unlike Page

Reported stats may be delayed from what appears on posts



Tweet Analytics

SCG Emergency Svcs @scgovEOC

Sarasota County, local jurisdictions & partners, drafted an updated Sarasota County Unified Local Mitigation Strategy (LMS) for 2020. An LMS provides a way to identify natural hazards that may affect the area & prevent or minimize their potential impacts on the community. 1/3

| | |
|-------------|-----|
| Impressions | 851 |
|-------------|-----|

times people saw this Tweet on Twitter

| | |
|-------------------|---|
| Total engagements | 4 |
|-------------------|---|

times people interacted with this Tweet

| | |
|---------|---|
| Replies | 1 |
|---------|---|

replies to this Tweet

| | |
|----------|---|
| Retweets | 1 |
|----------|---|

times people retweeted this Tweet

| | |
|-------|---|
| Likes | 1 |
|-------|---|

times people liked this Tweet

| | |
|----------------|---|
| Profile clicks | 1 |
|----------------|---|

number of clicks on your name, @handle, or profile photo





Tweet Analytics

SCG Emergency Svcs @scgovEOC

The LMS assesses risks & vulnerabilities, & establishes a process for implementation. Local governments are federally required to develop & adopt mitigation plans to receive some types of non-emergency disaster assistance. Plans must be updated & re-submitted every 5 years. 2/3

Impressions

515

times people saw this Tweet on Twitter

Total engagements

3

times people interacted with this Tweet

Replies

1

replies to this Tweet

Retweets

1

times people retweeted this Tweet

Likes

1

times people liked this Tweet



Reach a bigger audience

Get more engagements by promoting this Tweet!



Tweet Analytics

SCG Emergency Svcs @scgovEOC

The draft LMS is available for viewing & public feedback. Comments will be accepted until 5 p.m. Nov. 13. To learn more, read & provide feedback on the 2020 Unified Local Mitigation Strategy for Sarasota County & local jurisdictions, visit <http://scgov.net/LMS> #SRQCountyES 3/3

Impressions

494

times people saw this Tweet on Twitter

Total engagements

2

times people interacted with this Tweet

Retweets

1

times people retweeted this Tweet

Likes

1

times people liked this Tweet

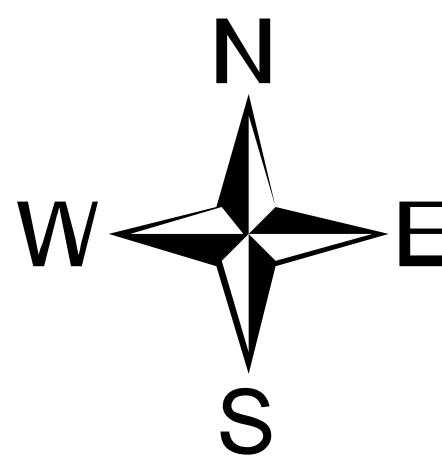
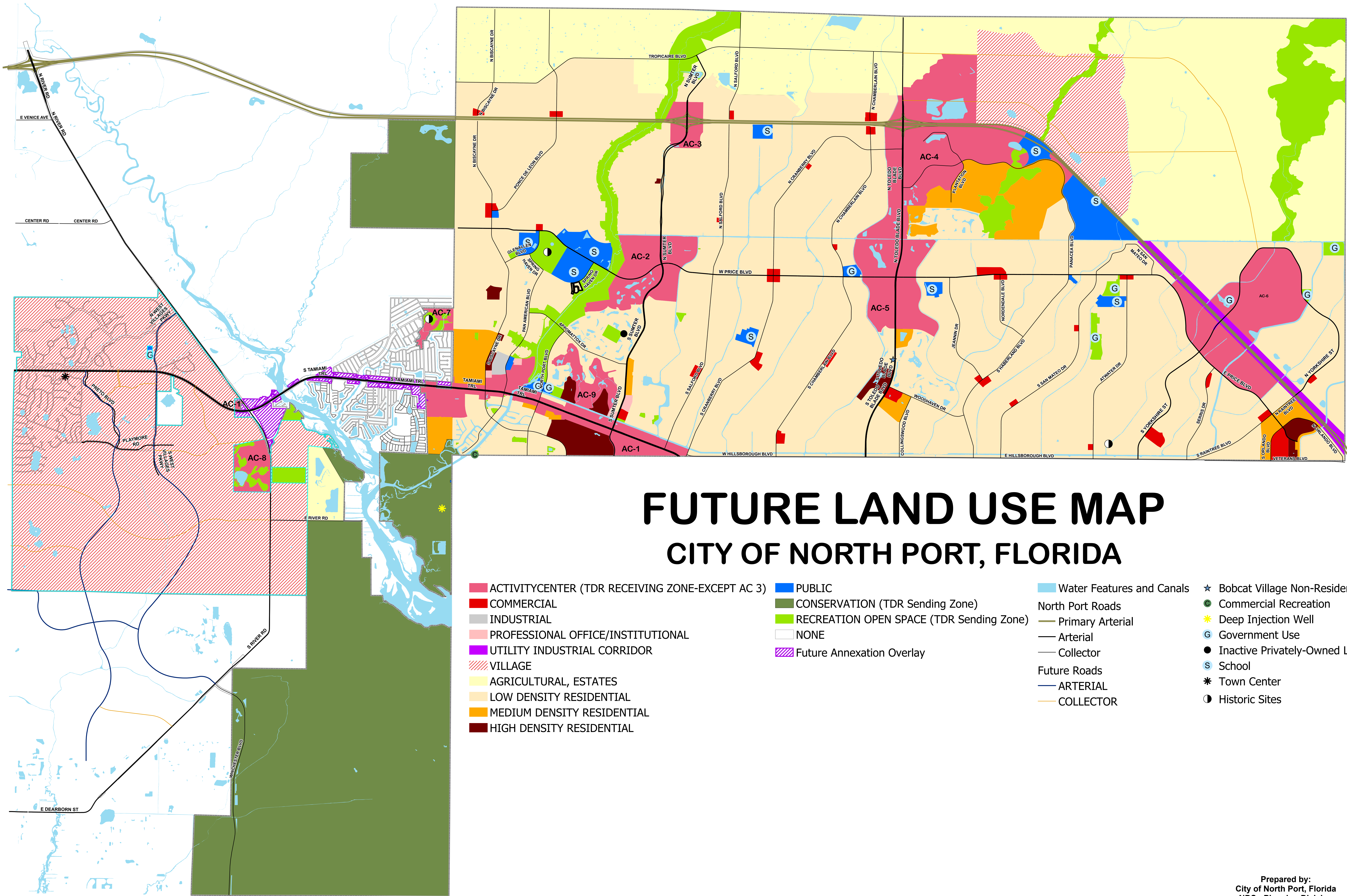


Reach a bigger audience

Get more engagements by promoting this Tweet!

Get started

LMS-Appendix G



0 1 2 4 Miles



Prepared by:
City of North Port, Florida
NDS - Planning Division
September 5, 2019
Disclaimer: This map is for reference purposes only and is not to be construed as a legal document. Any reliance on the information contained herein is at the user's risk. The City of North Port and its agents assume no responsibility for any use of the information contained herein or any loss resulting there from.
M:\Departments\Planning\FutureLandUse



FUTURE LAND USE

PLANNING FOR FUTURE LAND USES IN SARASOTA COUNTY, FLORIDA

LAST UPDATED AUGUST | 2014

QUICK FACTS

THE MODERATE DENSITY
RESIDENTIAL FUTURE
LAND USE CATEGORY IS
THE 3RD LARGEST AREA
WITHIN THE URBAN
SERVICE BOUNDARY.

3rd

THE FUTURE LAND USE
CHAPTER WITHIN THE
COMPREHENSIVE PLAN
CONTAINS PROVISIONS TO
DISCOURAGE SUB-URBAN
SPRAWL.

THE URBAN SERVICE
BOUNDARY DELINEATES
WHERE URBAN LEVEL
AND RURAL LEVEL
DEVELOPMENT SHOULD
OCCUR IN SARASOTA
COUNTY.

THERE IS A FUTURE LAND
USE MAP SERIES WHICH
FURTHER DELINEATES
SPECIFIC PLANNING
AREAS NOT EASILY
SHOWN ON THE FUTURE
LAND USE MAP.

HAVE AN IDEA FOR
A CUTSHEET? LET
US KNOW! EMAIL:
PLANNER@SCGOV.NET

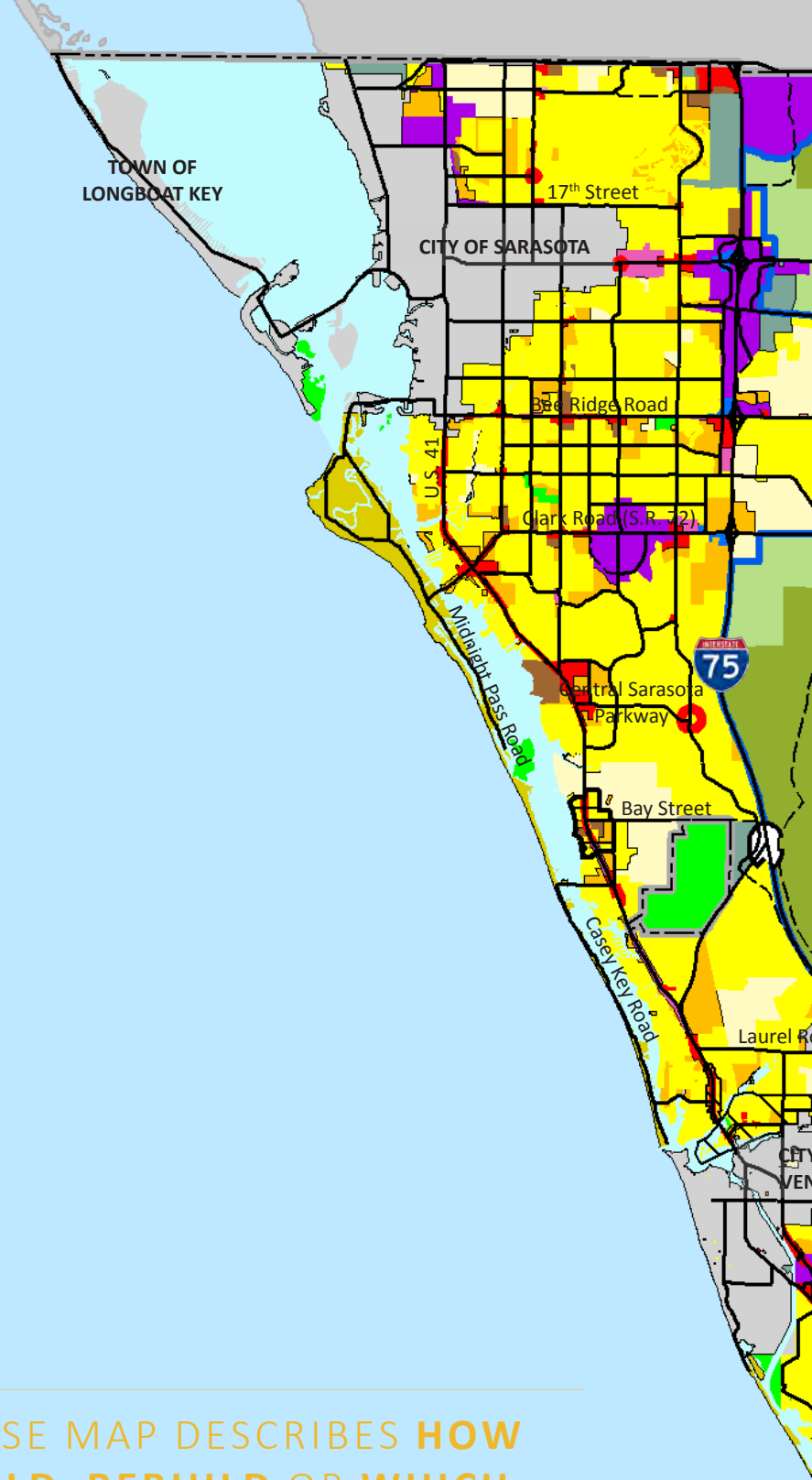
WHAT IS FUTURE LAND USE?

The Sarasota County Future Land Use Plan is a guide to the physical development of the County. It describes how and where to build, rebuild or which areas to preserve; delivering the Community vision for the unincorporated area of Sarasota County. The County's Comprehensive Plan houses the Future Land Use Map and Chapter which includes both text and a series of maps, collectively providing guidance for land use decisions and direction for investments in community infrastructure. The Future Land Use Chapter includes goals, objectives and policies (GOPs) that are to be applied to produce the desired outcomes, and the FLUM illustrates their spatial application.

By law, all land use regulations and capital improvements must be consistent with the Future Land Use Map. The FLUM classifies all land within the unincorporated area of the county into general types of land use categories, (i.e., low density residential, medium density residential, commercial center, office, and major employment). The FLUM is color coded with each color assigned to a specific category. These categories are called "Future Land Use Designations." Future Land Use Designations are supported and governed by the GOPs which describe their intended purpose and define allowable densities and intensities of development.

The Future Land Use Designations are primarily implemented through the county's zoning ordinance with each color coded designation having a corresponding set of allowable zoning districts. The corresponding zoning districts identify more specifically the types of uses that are permitted in each zoning district, (e.g., single family home, apartment, hotel, convenience store, restaurant, church, bank, veterinary clinic), and include standards relating to the specific uses, such as, the size of building lots, and the size, height, and placement of structures on those lots.

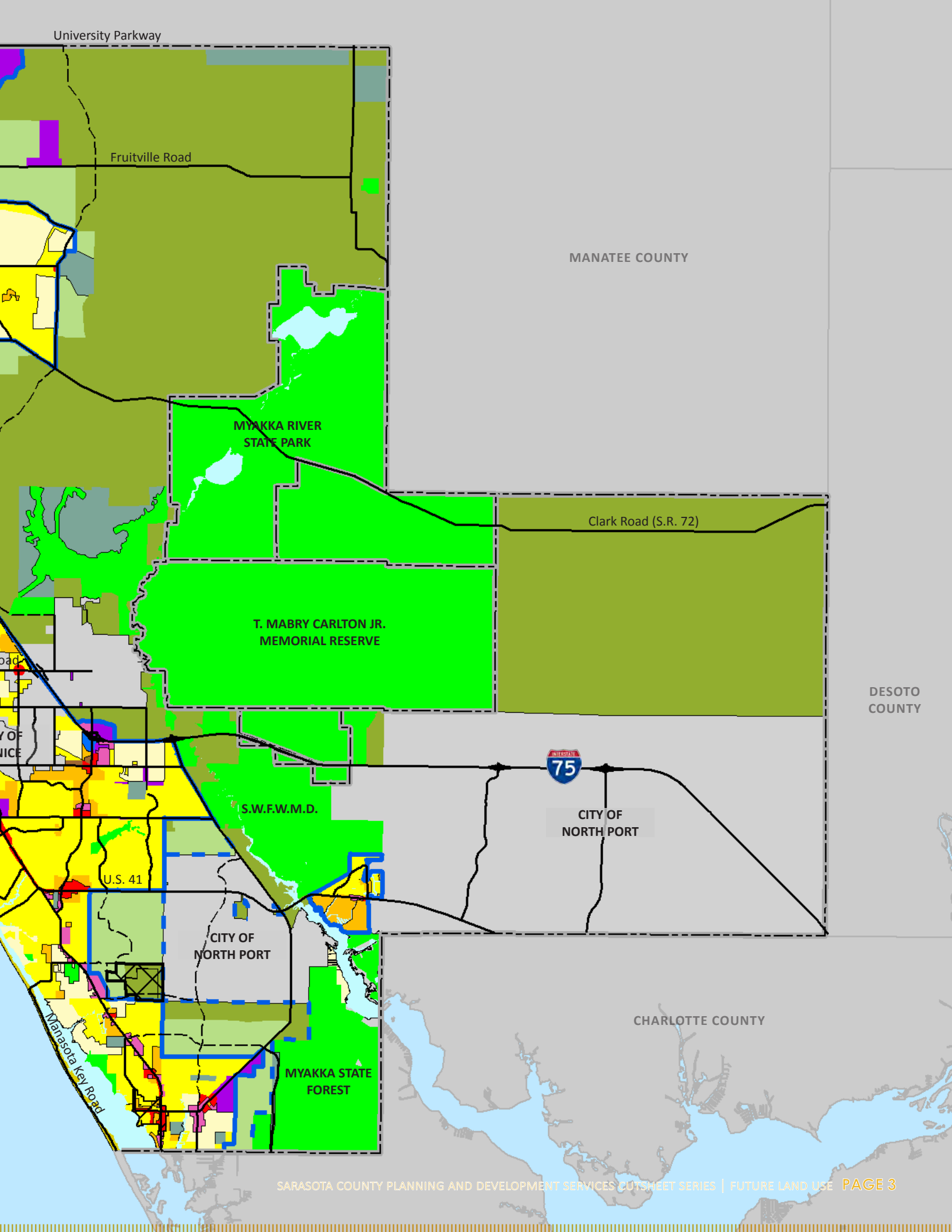
**"THE SARASOTA COUNTY FUTURE LAND USE
PLAN IS A GUIDE TO THE PHYSICAL
DEVELOPMENT OF THE COUNTY."**



“

THE FUTURE LAND USE MAP DESCRIBES **HOW AND WHERE TO BUILD, REBUILD OR WHICH AREAS TO PRESERVE**; DELIVERING THE COMMUNITY VISION FOR THE UNINCORPORATED AREA OF SARASOTA COUNTY.

”



University Parkway

Fruitville Road

MANATEE COUNTY

MYAKKA RIVER
STATE PARK

Clark Road (S.R. 72)

T. MABRY CARLTON JR.
MEMORIAL RESERVE

DESOTO
COUNTY



CITY OF
NORTH PORT

S.W.F.W.M.D.

U.S. 41

CITY OF
NORTH PORT

CHARLOTTE COUNTY

MYAKKA STATE
FOREST

Manasota Key Road

FUTURE LAND USE DESIGNATIONS

There are 17 color-coded Future Land Use Designations on the Future Land Use Map (FLUM). The FLUM includes overlays (or demarcations) for items such as town and village centers, settlement areas, and the identification of the urban service area boundary. The designations provide for a mix of land use types in logical locations to protect the character of existing neighborhoods and provide employment, shopping, recreational and cultural uses close to residents. These designations are also intended to make the most efficient use of infrastructure by guiding uses to locations best suited to serve them, and where they best support the community’s long-term goals. The 17 Future Land Use Designations and overlay areas in Sarasota County are described below.



LOW DENSITY RESIDENTIAL

Less than two dwelling units per acre; recognizes established low density subdivisions within the Urban Service Area, and land located within areas of special flood hazard with existing low density development or existing zoning.

Implementing Zoning Districts: RSF-1; RE-1; RE-2; RE-3; OUC; PUD; GU



MODERATE DENSITY RESIDENTIAL

Recognizes existing development between two and less than five dwelling units per acre. The moderate density designation also applies to all vacant residential parcels within the Urban Service Areas that have no special characteristics to qualify them for high density or restrict them to a low density.

Implementing Zoning Districts: RSF-1; RSF-2; RSF-3; RSF-4; RMH; RE-3; OUC; PUD; GU



MEDIUM DENSITY RESIDENTIAL

Recognizes existing development between five and nine dwelling units per acre. Properties with this designation could be rezoned to residential single family and residential multi-family districts. The designation also applies to vacant parcels within the urban service areas that are located close to non-residential development and have frontage on collector or arterial roads.

Implementing Zoning Districts: RSF-4; RMF-1; RMF-2; RMH; OUC; PUD; GU



HIGH DENSITY RESIDENTIAL

Recognizes residential development of nine dwelling units per acre. This designation also identifies locations along major arterials and close to existing, intensive non-residential developments where additional housing of up to 13 dwelling units per acre should be constructed. The designation would make such parcels appropriate for rezoning to residential multi-family districts.

Implementing Zoning Districts: RMF-2; RMF-3; OUC; PUD; GU



BARRIER ISLAND

Recognized as a unique land use category. Development on the barrier islands is of special concern due to problems associated with the hurricane evacuation, potential for storm damage and the sensitive nature of coastal habitats. The barrier islands are represented on the Future Land Use Map as a homogeneous land use classification to underscore these special considerations. Existing development on Manasota Key, Casey Key and Siesta Key is recognized; however, intensity and density of future development may not exceed that allowed by existing zoning.

Implementing Zoning Districts: Those currently existing on the property.



SEMI – RURAL AREA

Provides for residential development at an intensity that serves as a transition between urban and rural uses; protects native habitats and maintains open space; and allows for the continuation of agricultural uses. Residential densities in a semi-rural area are typically limited to a maximum of one dwelling unit per two acres.

Implementing Zoning Districts: RE-1; OUC; PUD; GU



RURAL AREA

Preserves agricultural lands, maintains open spaces and protects native habitats. Residential densities in the rural area are typically limited to a maximum of one dwelling unit per five acres.

Implementing Zoning Districts: OUE; OUR; OUA; OUC; OUM; PUD; GU



COMMERCIAL CORRIDOR

Recognizes areas of historic commercial zoning along major roadways, such as U.S. 41, Bee Ridge Road and Clark Road. While commercial centers are the preferred form of commercial development, in some cases, development within commercial corridors provides more opportunities for owner-occupied buildings than are generally available in commercial centers. They also, provide locations for businesses whose uses are inappropriate for shopping centers, such as automobile dealerships. Additional development within commercial corridors may be permitted on a case-by-case basis through the rezoning process.

Implementing Zoning Districts: CN; CG; CI; CM; OPI; RSF-4*; RMF-1*; RMF-2*; RMF-3*; MP; GU; PED

** The residential zoning districts are permissible in commercial corridors, but are not primary complementary uses.*

COMMERCIAL CENTER

Commercial Centers are categorized into five levels of commercial development by role and function, and are defined by the center size, trade area, and the supporting population base. These centers are (in increasing order of size): Neighborhood, Village I, Village II, Community and Regional.

Neighborhood Centers: Provide the daily convenience goods and other incidental commercial and service uses of the immediately surrounding area.

Implementing Zoning Districts: CN; CM; OPI; MP; GU; RSF-4*; RMF-1*; RMF-2*; RMF-3*

Village Centers: Provide the weekly shopping needs (i.e., grocery store, small general merchandise store) for multiple neighborhoods. The two village center types are defined in terms of size and intensity.

Implementing Zoning Districts: CN; CG; CM; OPI; MP; GU; PED; RSF-4*; RMF-1*; RMF-2*; RMF-3*

Community Centers: Provide greater and a more specialized variety of goods and services than village commercial centers. This type of center may consist of one or two anchor stores, specialty stores, and the kind of stores found in a village commercial center. Community commercial centers require a larger market area and are located at the intersection of major roadways and highways that serve the region.

Implementing Zoning Districts: CN; CG; CI; CM; OPI; MP; GU; PED; RSF-4*; RMF-1*; RMF-2*; RMF-3*

** The residential zoning districts are permissible in commercial corridors, but are not primary implementary uses.*

COMMERCIAL HIGHWAY INTERCHANGE

Designated on properties near interchanges for commercial uses that serve tourists and travelers, (gas stations, motels, restaurants and gift shops). Development at these interchanges should occur in a cohesive manner to ensure that traffic flow will not be impeded, that visual buffers will be adequate, and that development will remain compact.

Implementing Zoning Districts: CHI; CM; MP; GU

MAJOR EMPLOYMENT CENTER (MEC)

Intended to provide locations for employment and economic development opportunities. Typical uses include: light industrial; manufacturing; warehousing and offices; and/or combinations of these uses. Commercial activities are allowed as a supporting use, but are generally limited to the sale of merchandise produced, manufactured or distributed within the center, and the internal retail and service needs of employees and customers. Limited amounts of residential development are also permitted to facilitate access between home and place of work.

Implementing Zoning Districts: CM; PCD; IR; ILW; MP; GU; PED

LIGHT OFFICE

Recognizes existing areas of small scale offices, and identifies additional areas where such offices could be developed. The conversion of existing residential structures for office uses or the redevelopment of properties with new office structures may also be allowed. These areas can serve as transitions between residential areas and major roadways.

Implementing Zoning Districts: CM; OPI/PD; MP; GU

OFFICE/MULTI-FAMILY RESIDENTIAL

Recognizes existing areas of office and multi-family residential uses, and identifies additional areas where such uses would be appropriate. These areas are along major roadways where parcels are deep enough to accommodate development and may be integrated into existing neighborhoods or provide a transition between existing residential neighborhoods and major roadways. Typical uses allowed include office, multi-family residential, public and civic uses, and combinations of these uses.

Implementing Zoning Districts: CM; OPI; RSF-4; RMF-1; RMF-2; RMF-3; MP; GU

MAJOR GOVERNMENT USE

Applies to those lands where national, state, or local government activities are conducted or where governments hold titles to such lands. Properties currently designated major government use include the Sarasota International Airport, Buchan Airport, Sarasota County Landfill, the Celery Fields Regional Stormwater Facility, Sarasota County Annex (R.L. Anderson Building), and the Englewood Community Hospital.

Implemented through a variety of zoning districts determined on a case by case basis.

PUBLIC CONSERVATION/PRESERVATION

Typically used on properties acquired and maintained primarily for environmental protection and that may be dedicated for public open space or outdoor recreation. **Implemented through a variety of zoning districts determined on a case by case basis.**

INCORPORATED AREA

Denotes the incorporated cities in Sarasota County (Sarasota, Venice, North Port, Longboat Key). These cities have their own adopted comprehensive plans to guide the growth of each community.

Implementing Zoning District. Not Applicable. The incorporated areas are governed by their own zoning districts.



WATER

Identifies major waterbodies within, or adjacent to, Sarasota County including the Gulf of Mexico, Sarasota Bay, Little Sarasota Bay, and the Myakka River.
Implementing Zoning Districts: Implementing Zoning District.
Not Applicable.



FUTURE FULL ACCESS INTERCHANGE

Recognizes locations where it is anticipated that an I-75 interchange will be developed in the future.



URBAN SERVICE AREA BOUNDARY

Growth boundary established in the Future Land Use Chapter of the Comprehensive Plan. Generally, development to the west of the line is recognized as urban scaled development, while land to the east of the line is considered to be rural.



FUTURE URBAN SERVICE AREA BOUNDARY

Boundary line that indicates an area between the cities of North Port and Venice, and the community of Englewood where future urban level development is expected when appropriate infrastructure and facilities become available to support that level of development.



FUTURE THOROUGHFARES

Recognizes certain future roadways that are expected to be built to expand the existing transportation network and provide connectivity as the county grows.



COMMERCIAL CENTER UNDEFINED BOUNDARIES

Recognizes areas where future commercial development is expected to occur, with no specific or defined boundary.



ENGLEWOOD TOWN CENTER

Indicates the location of the Revitalization District (CRA) for the South County community of Englewood.



NOKOMIS VILLAGE CENTER

Indicates the Special Planning Overlay for the community of Nokomis.



OSPREY VILLAGE CENTER

Indicates the Special Planning Overlay for the community of Osprey.



SETTLEMENT AREA OVERLAY

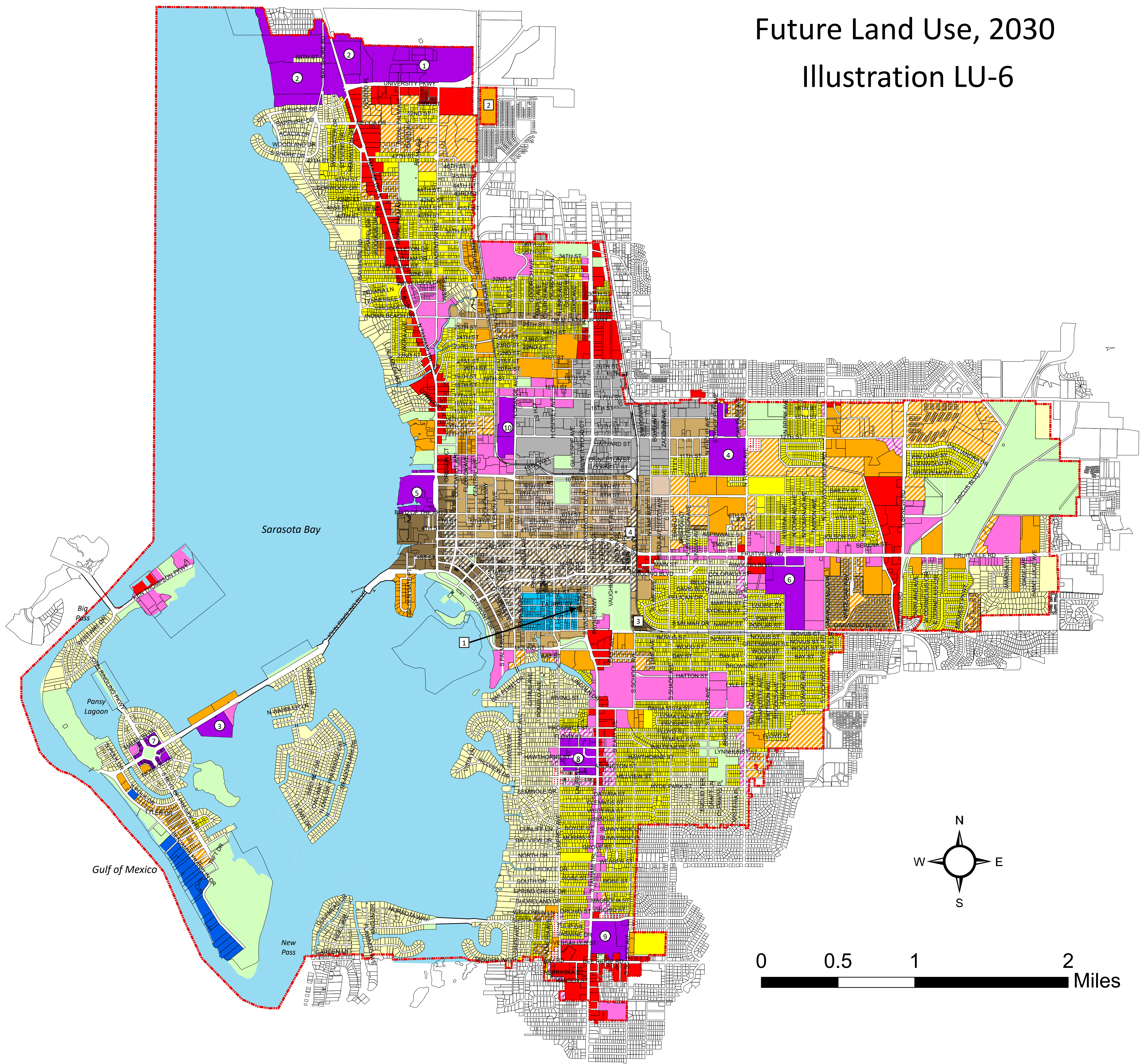
Overlay that allows a limited form of development in a manner intended to avoid urban sprawl.

“FUTURE LAND USE DESIGNATIONS ARE SUPPORTED THROUGH THE **GOALS, OBJECTIVES AND POLICIES** THAT DEFINE THE ALLOWABLE DENSITIES AND INTENSITIES WITHIN EACH DESIGNATION.”

PREPARED BY
SARASOTA COUNTY
PLANNING AND DEVELOPMENT
SERVICES
TO PROVIDE INFORMATION ON
PLANNING RELATED TOPICS.
THIS CUTSHEET AND ITS ASSOCIATED
GRAPHICS ARE TO BE USED AS
EDUCATIONAL MATERIALS ONLY.
ALL GRAPHICS ARE CONCEPTUAL
IN NATURE.

Future Land Use, 2030

Illustration LU-6



Future Land Use Map Classifications

- | | |
|------------------------------------|--|
| Single Family (Very Low Density) | Neighborhood Office |
| Single Family (Low Density) | Community Office / Institutional |
| Multiple Family (Moderate Density) | Neighborhood Commercial |
| Multiple Family (Medium Density) | Community Commercial |
| Mixed Residential | Production Intensive Commercial |
| Urban Neighborhood | Resort Residential |
| Urban Edge | Metropolitan / Regional |
| Downtown Core | Open Space-Recreation-Conservation (uplands) |
| Downtown Bayfront | Open Space-Recreation-Conservation (waterbodies) |

Metropolitan Regional Land Uses

- ① Airport activities, Car Rental Agencies, Hotels/Motels, and Development consisting of Office, Entertainment, Education, Commercial Retail, Service, and Church uses
- ② Institution of higher learning, Museum, Entertaining
- ③ Retirement Center
- ④ Recreation, Entertainment, Residential and Non-Residential Uses
- ⑤ Recreation, Entertainment, Museum, and Cultural Facilities
- ⑥ Fairground activities
- ⑦ Commercial tourist shopping center
- ⑧ Hospital activities, Professional/Medical Offices, Medical Laboratories
- ⑨ Regional shopping center
- ⑩ Downtown Retirement Center

Sites Corresponding to Future Land Use Action Strategy 1.10

- ① Parcel ID 2027-09-0100, Application No. 15-PA-01
- ② Parcel ID 0025-03-0031, Application No. 06-PA-05
- ③ Parcel IDs 2029-14-0002, 2029-11-0047, 2029-06-0030, 2029-11-0045, 2029-14-0001, Application No. 05-PA-03
- ④ Parcel IDs 2028-06-0107, 2028-14-0001, Application No. 15-PA-02

Adopted by Ordinance No. 08-4792

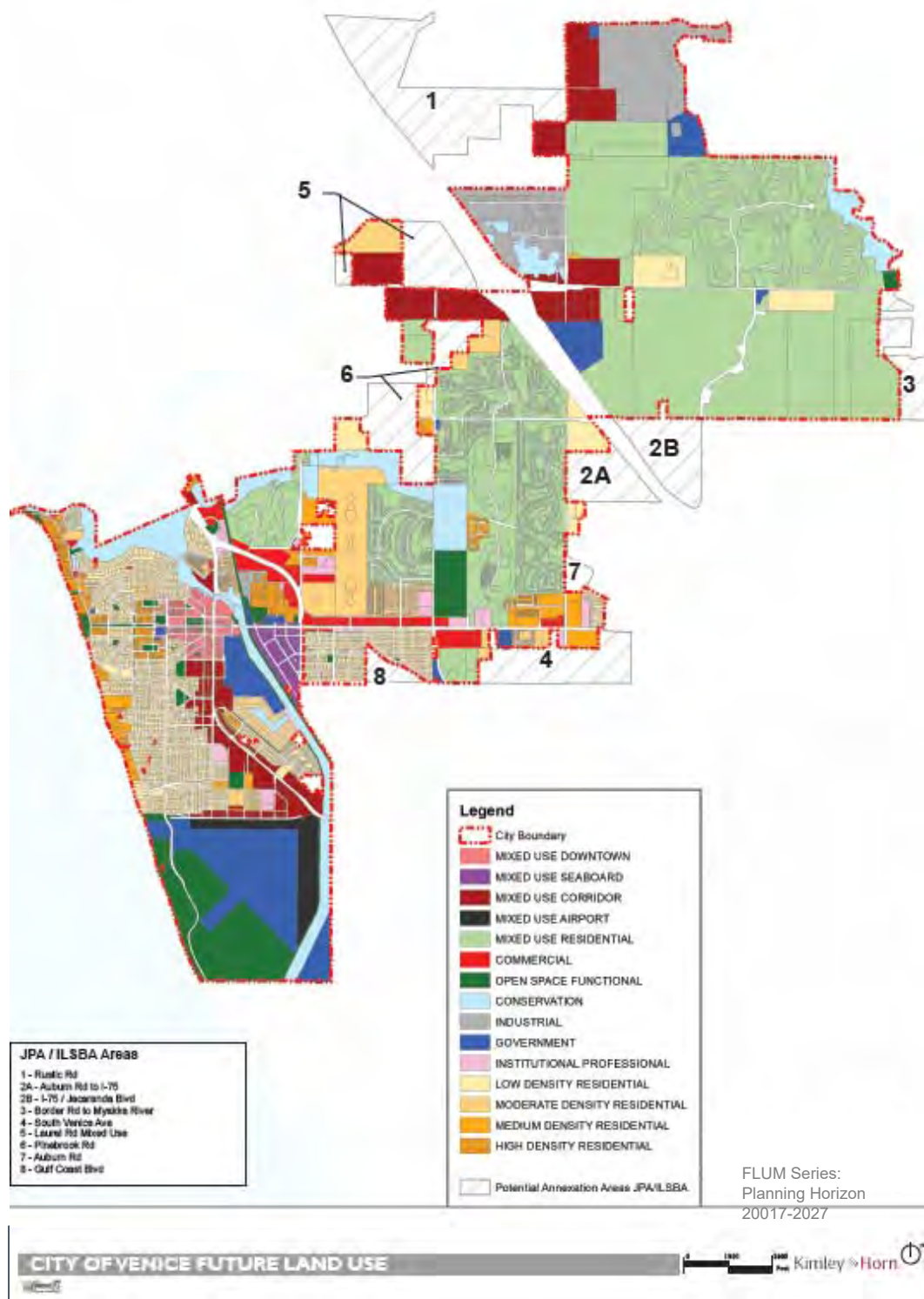
Amended by the following Ordinances

| | | | |
|---------|---------|---------|---------|
| 08-4795 | 12-5017 | 14-5102 | 17-5203 |
| 10-4907 | 13-5027 | 16-5152 | 18-5237 |
| 10-4908 | 13-5028 | 16-5153 | 19-5305 |
| 11-4948 | 13-5031 | 16-5158 | 19-5276 |
| 11-4949 | 13-5039 | 16-5167 | |
| 11-4950 | 13-5069 | 16-5171 | |
| 11-4957 | 14-5097 | 16-5172 | |
| 12-5014 | 14-5101 | 17-5194 | |

This map cannot be interpreted independent of the *Sarasota City Plan* as the comprehensive plan may be amended from time to time.

Publication date: August 2020

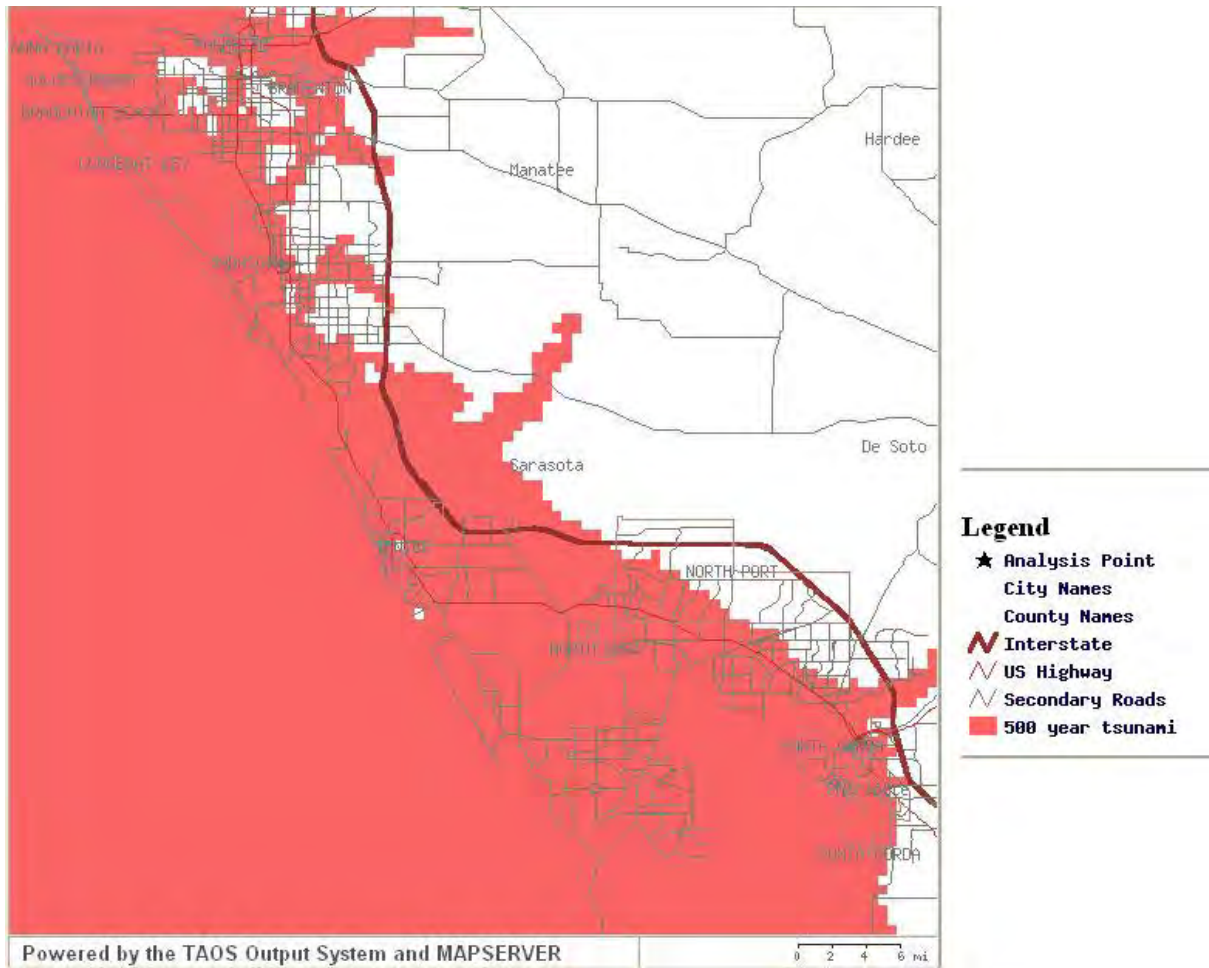
Figure (Map) LU-2: Future Land Use Map (see full size map for additional detail and information)



LMS-Appendix H

Hazard Identification and Vulnerability Analysis

Tsunami Risk Assessment for Sarasota County



Population at risk for KAC Tsunami Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------|--------|----------|---------|----------|---------|----------|----------|
| Out of Zone | 225380 | 14569 | 79598 | 84555 | 17039 | 0 | 9780 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Tsunami Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------|--------|--------|----------|--------|------------|-------------|------------|
| Out of Zone | 125746 | 71347 | 9421 | 37293 | 5033 | 2252 | 400 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tsunami Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------|--------------|-------------|------------|-------------|--------------|-------------|--------------|
| Out of Zone | \$ 69.18 BI | \$ 32.18 BI | \$ 1.00 BI | \$ 24.77 BI | \$ 6.18 BI | \$ 4.41 BI | \$ 631.65 MI |
| 500 yr Tsunami | \$ 1.92 MI | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$ 1.92 MI | \$0.00 |
| | \$ 249.75 MI | \$0.00 | \$0.00 | \$0.00 | \$ 249.75 MI | \$0.00 | \$0.00 |

Tsunami Risk Assessment for Town of Longboat Key

Population at risk for KAC Tsunami Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------|-------|----------|---------|----------|---------|----------|----------|
| Out of Zone | 7575 | 103 | 4375 | 1701 | 216 | 44 | 70 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Tsunami Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------|-------|--------|----------|--------|------------|-------------|------------|
| Out of Zone | 8987 | 1712 | 176 | 6902 | 154 | 39 | 4 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tsunami Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------|-------------|------------|------------|------------|--------------|-------------|--------------|
| Out of Zone | \$ 10.07 BI | \$ 1.78 BI | \$ 9.94 MI | \$ 8.02 BI | \$ 203.11 MI | \$ 54.26 MI | \$ 944.89 TH |
| 500 yr Tsunami | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Tsunami Risk Assessment for City of Northport

Population at risk for KAC Tsunami Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------|-------|----------|---------|----------|---------|----------|----------|
| Out of Zone | 18311 | 1285 | 5007 | 8598 | 1518 | 0 | 1001 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Tsunami Risk Assessment for City of Venice

Population at risk for KAC Tsunami Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------|-------|----------|---------|----------|---------|----------|----------|
| Out of Zone | 17850 | 350 | 10248 | 8306 | 977 | 0 | 519 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Tsunami Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------|-------|--------|----------|--------|------------|-------------|------------|
| Out of Zone | 9684 | 4083 | 442 | 4226 | 622 | 287 | 24 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tsunami Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------|------------|------------|-------------|------------|--------------|--------------|-------------|
| Out of Zone | \$ 4.84 BI | \$ 1.66 BI | \$ 34.51 MI | \$ 1.86 BI | \$ 744.21 MI | \$ 524.65 MI | \$ 24.06 MI |
| 500 yr Tsunami | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Tsunami Risk Assessment for Sarasota Unincorporated Areas

Population at risk for KAC Tsunami Risk

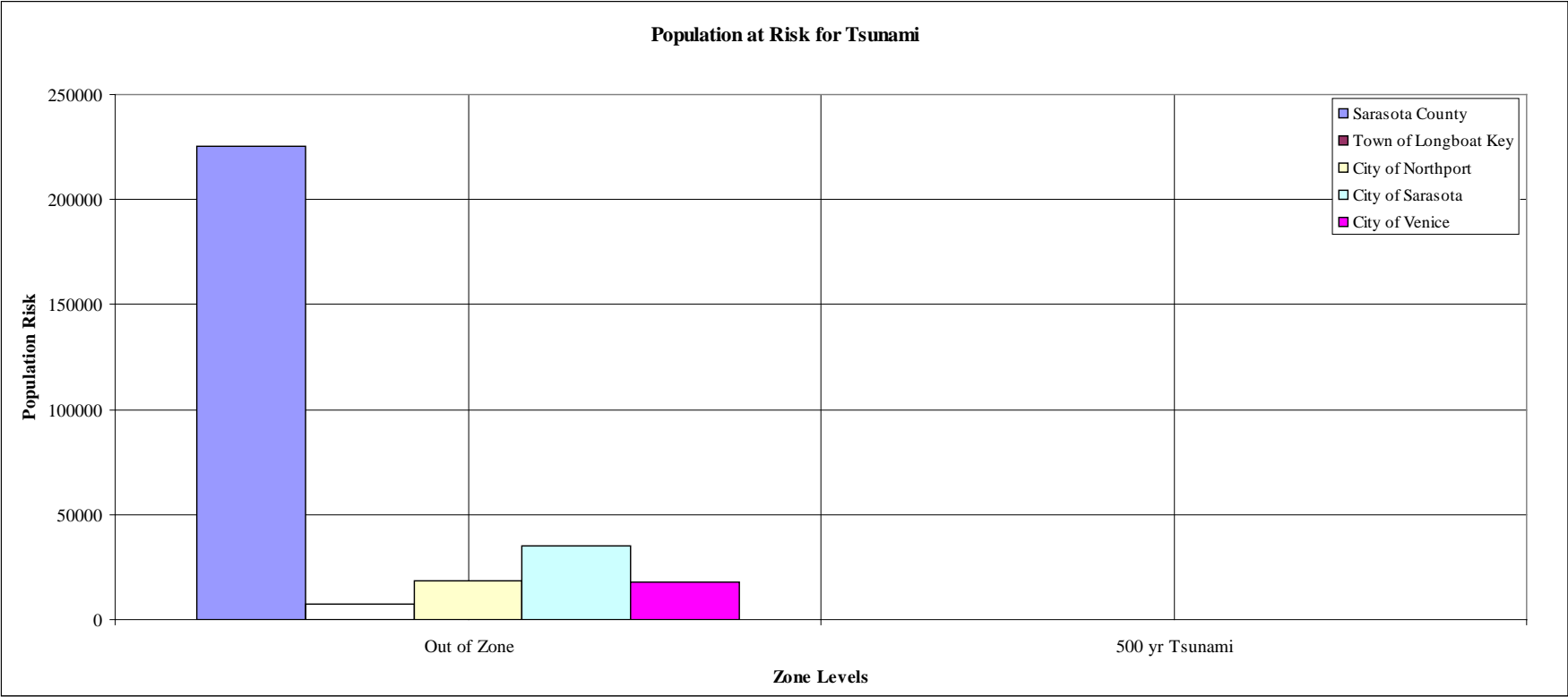
| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------|--------|----------|---------|----------|---------|----------|----------|
| Out of Zone | 149301 | 4247 | 53335 | 52618 | 8692 | 0 | 5794 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

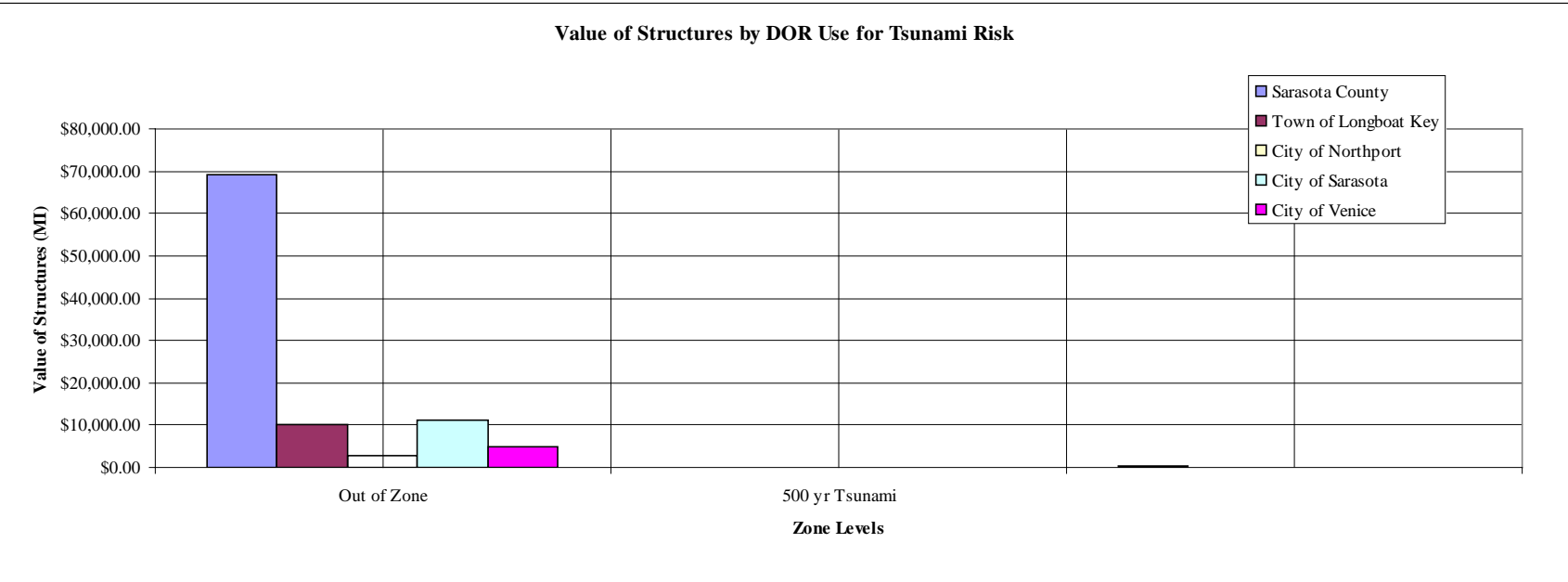
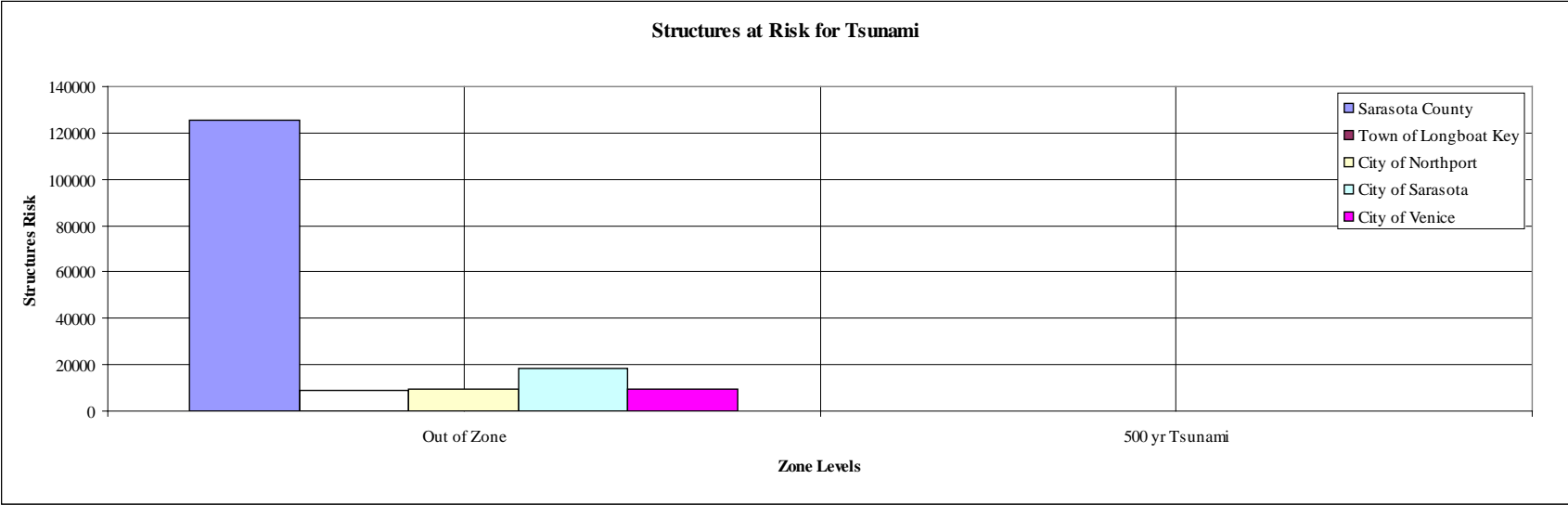
Structures at risk for KAC Tsunami Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------|-------|--------|----------|--------|------------|-------------|------------|
| Out of Zone | 83093 | 48405 | 7501 | 22660 | 2882 | 1301 | 344 |
| 500 yr Tsunami | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

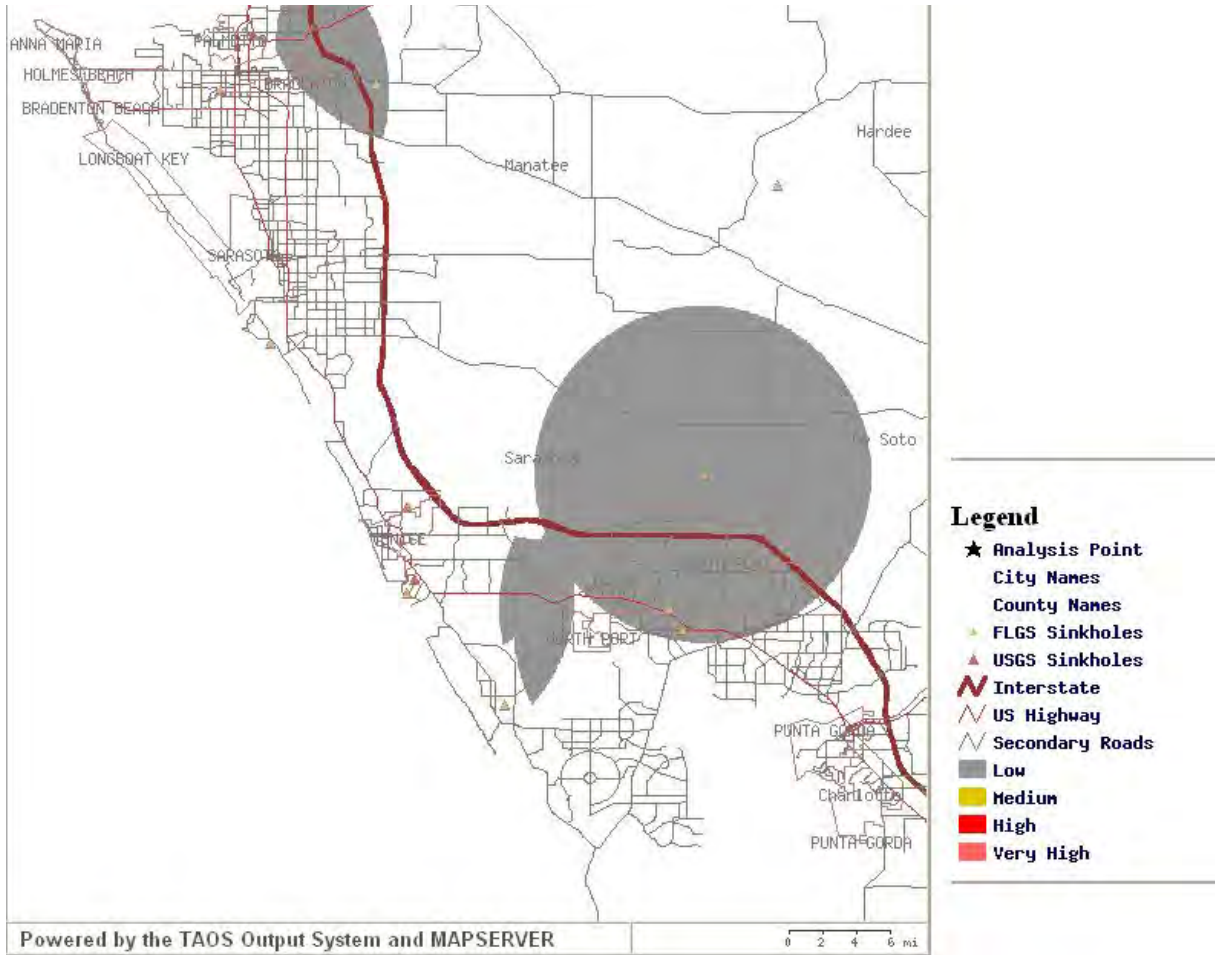
Value of Structures by DOR Use for KAC Tsunami Risk

[illegible]





Sinkhole Risk Assessment for Sarasota County



Sinkhole Risk Assessment for Sarasota County

Population at risk for KAC Sinkhole Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|-----------|--------|----------|---------|----------|---------|----------|----------|
| Low | 74921 | 3681 | 22551 | 25096 | 4776 | 0 | 3213 |
| Medium | 107531 | 3186 | 41938 | 41950 | 6123 | 0 | 4186 |
| High | 5710 | 90 | 1696 | 2446 | 409 | 0 | 299 |
| Very High | 4108 | 77 | 1090 | 1314 | 304 | 0 | 230 |
| Extreme | 2160 | 55 | 878 | 842 | 213 | 0 | 79 |
| Adjacent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|-----------|-------|--------|----------|--------|------------|-------------|------------|
| Low | 34135 | 21610 | 3064 | 7674 | 729 | 514 | 544 |
| Medium | 57277 | 35879 | 4754 | 13378 | 2086 | 922 | 258 |
| High | 4255 | 2540 | 110 | 1498 | 65 | 35 | 7 |
| Very High | 1461 | 671 | 51 | 684 | 32 | 21 | 2 |
| Extreme | 469 | 314 | 95 | 57 | 2 | 0 | 1 |
| Adjacent | 33 | 30 | 0 | 3 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Low | \$ 16.00 BI | \$ 9.95 BI | \$ 389.45 MI | \$ 3.25 BI | \$ 967.63 MI | \$ 710.08 MI | \$ 733.12 MI |
| Medium | \$ 27.51 BI | \$ 15.45 BI | \$ 500.83 MI | \$ 6.51 BI | \$ 2.60 BI | \$ 2.09 BI | \$ 352.30 MI |
| High | \$ 1.88 BI | \$ 821.23 MI | \$ 8.22 MI | \$ 951.16 MI | \$ 33.42 MI | \$ 58.19 MI | \$ 11.31 MI |
| Very High | \$ 817.85 MI | \$ 252.74 MI | \$ 3.30 MI | \$ 523.77 MI | \$ 20.21 MI | \$ 17.06 MI | \$ 769.40 TH |
| Extreme | \$ 136.13 MI | \$ 99.76 MI | \$ 6.86 MI | \$ 25.09 MI | \$ 1.78 MI | \$0.00 | \$ 2.64 MI |
| Adjacent | \$ 9.71 MI | \$ 9.05 MI | \$0.00 | \$ 662.06 TH | \$0.00 | \$0.00 | \$0.00 |

Sinkhole Risk Assessment for City of Northport

Population at risk for KAC Sinkhole Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|-----------|-------|----------|---------|----------|---------|----------|----------|
| Low | 8421 | 792 | 1656 | 3767 | 834 | 0 | 423 |
| Medium | 14296 | 731 | 3649 | 6325 | 1031 | 0 | 731 |
| High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extreme | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Adjacent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|-----------|-------|--------|----------|--------|------------|-------------|------------|
| Low | 2501 | 2376 | 4 | 74 | 10 | 32 | 5 |
| Medium | 8383 | 6969 | 983 | 220 | 103 | 101 | 7 |
| High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extreme | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Adjacent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|-----------|--------------|--------------|--------------|-------------|--------------|--------------|-------------|
| Low | \$ 915.27 MI | \$ 837.37 MI | \$ 359.88 TH | \$ 20.91 MI | \$ 8.45 MI | \$ 37.92 MI | \$ 10.26 MI |
| Medium | \$ 2.51 BI | \$ 2.12 BI | \$ 86.53 MI | \$ 62.85 MI | \$ 107.83 MI | \$ 127.08 MI | \$ 6.93 MI |
| High | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Very High | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Extreme | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Adjacent | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Sinkhole Risk Assessment for City of Sarasota

Population at risk for KAC Sinkhole Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|-----------|-------|----------|---------|----------|---------|----------|----------|
| Low | 7476 | 681 | 2380 | 3658 | 610 | 0 | 544 |
| Medium | 1497 | 65 | 335 | 648 | 176 | 0 | 92 |
| High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extreme | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Adjacent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|-----------|-------|--------|----------|--------|------------|-------------|------------|
| Low | 3625 | 2245 | 565 | 622 | 93 | 96 | 4 |
| Medium | 831 | 708 | 0 | 89 | 30 | 4 | 0 |
| High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extreme | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Adjacent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|-----------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|
| Low | \$ 1.08 BI | \$ 532.98 MI | \$ 53.66 MI | \$ 199.30 MI | \$ 148.12 MI | \$ 115.10 MI | \$ 30.84 MI |
| Medium | \$ 380.74 MI | \$ 259.88 MI | \$0.00 | \$ 55.42 MI | \$ 63.05 MI | \$ 2.39 MI | \$0.00 |
| High | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Very High | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Extreme | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Adjacent | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Sinkhole Risk Assessment for City of Venice

Population at risk for KAC Sinkhole Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|-----------|-------|----------|---------|----------|---------|----------|----------|
| Low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium | 10095 | 207 | 5837 | 4189 | 494 | 0 | 351 |
| High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extreme | 114 | 0 | 93 | 38 | 10 | 0 | 0 |
| Adjacent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Insttit |
|-----------|-------|--------|----------|--------|------------|-------------|-------------|
| Low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium | 5024 | 2354 | 333 | 1892 | 302 | 127 | 16 |
| High | 53 | 12 | 9 | 32 | 0 | 0 | 0 |
| Very High | 47 | 6 | 6 | 33 | 0 | 0 | 2 |
| Extreme | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Adjacent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Insttit |
|-----------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Low | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Medium | \$ 2.34 BI | \$ 992.57 MI | \$ 25.12 MI | \$ 651.91 MI | \$ 432.73 MI | \$ 233.85 MI | \$ 8.33 MI |
| High | \$ 14.94 MI | \$ 4.77 MI | \$ 478.19 TH | \$ 9.70 MI | \$0.00 | \$0.00 | \$0.00 |
| Very High | \$ 13.22 MI | \$ 1.84 MI | \$ 424.87 TH | \$ 10.18 MI | \$0.00 | \$0.00 | \$ 769.40 TH |
| Extreme | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Adjacent | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Sinkhole Risk Assessment for Sarasota County-Unincorporated Areas

Population at risk for KAC Sinkhole Risk

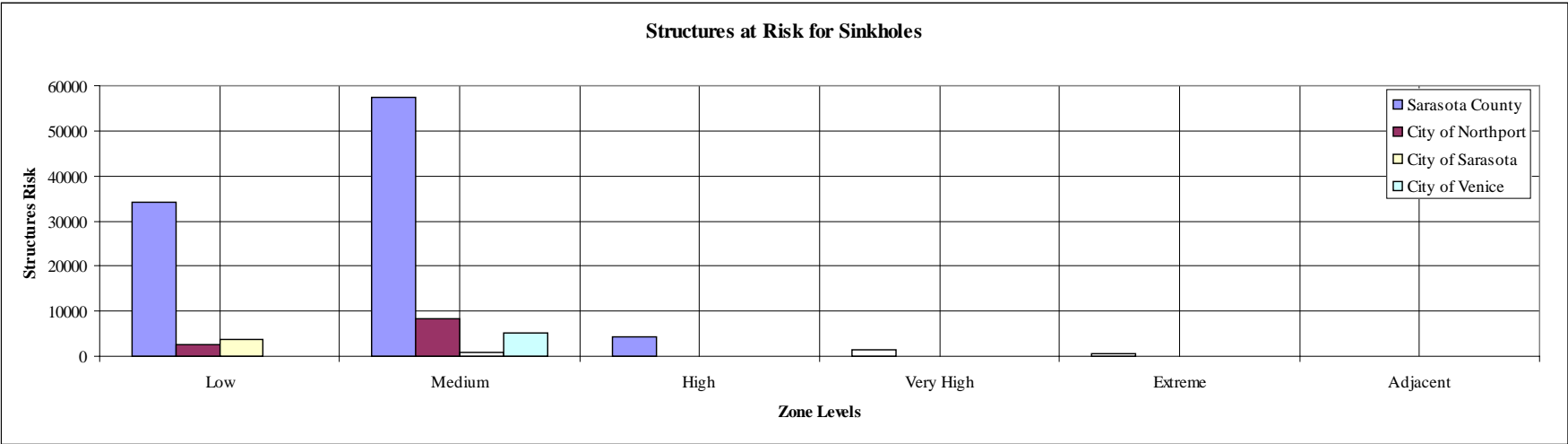
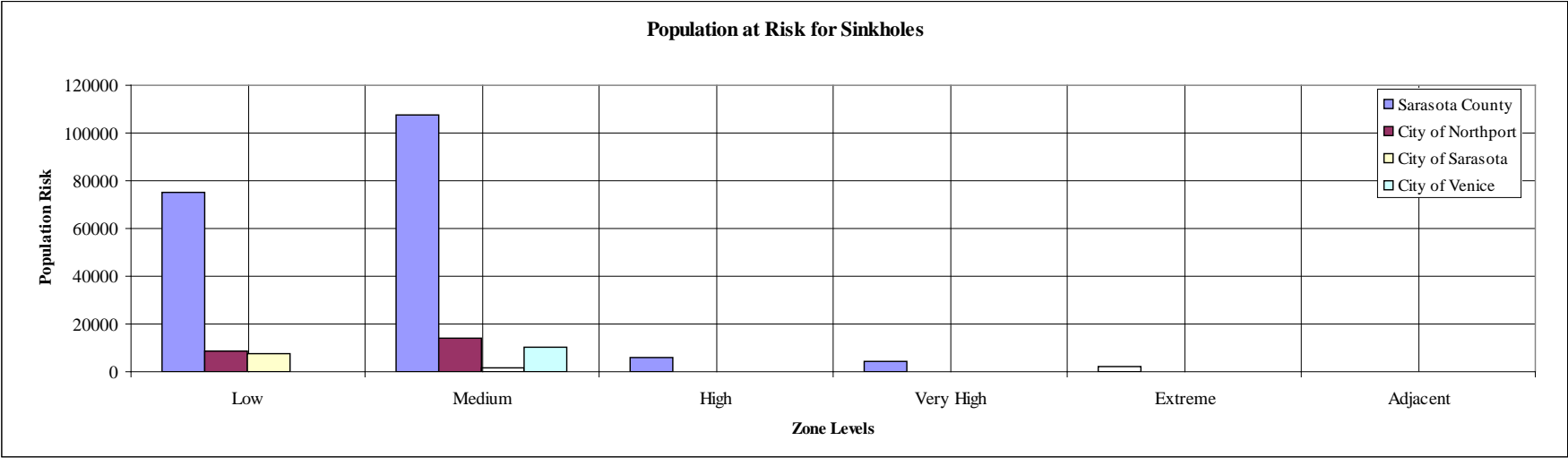
| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|-----------|-------|----------|---------|----------|---------|----------|----------|
| Low | 59024 | 2208 | 18515 | 17671 | 3332 | 0 | 2246 |
| Medium | 81643 | 2183 | 32117 | 30788 | 4422 | 0 | 3012 |
| High | 5710 | 90 | 1696 | 2446 | 409 | 0 | 299 |
| Very High | 4108 | 77 | 1090 | 1314 | 304 | 0 | 230 |
| Extreme | 2046 | 55 | 785 | 804 | 203 | 0 | 79 |
| Adjacent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

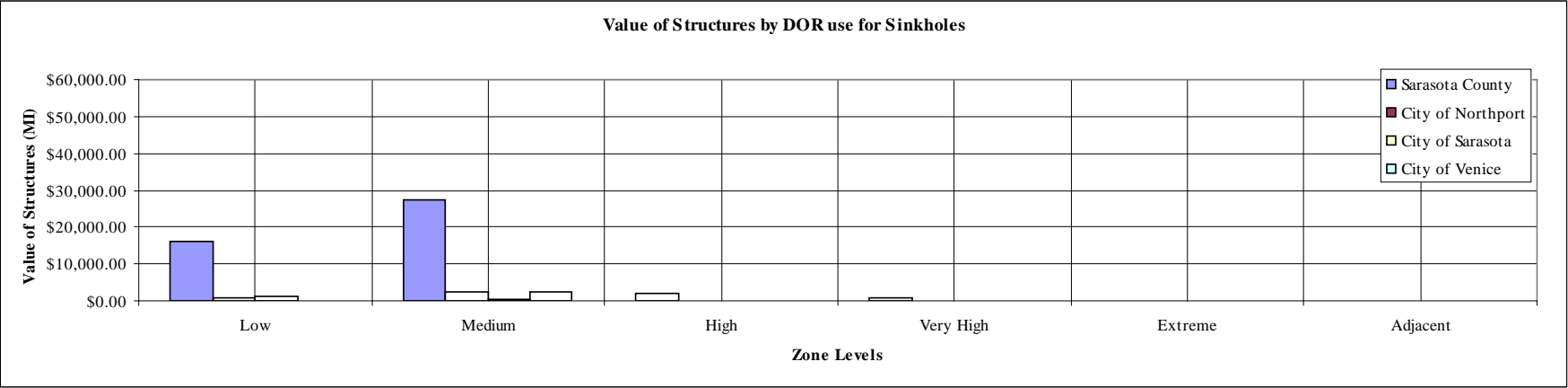
Structures at risk for KAC Sinkhole Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|-----------|-------|--------|----------|--------|------------|-------------|------------|
| Low | 28516 | 17455 | 2497 | 7016 | 627 | 386 | 535 |
| Medium | 43519 | 26201 | 3538 | 11196 | 1659 | 690 | 235 |
| High | 4202 | 2528 | 101 | 1466 | 65 | 35 | 7 |
| Very High | 1414 | 665 | 45 | 651 | 32 | 21 | 0 |
| Extreme | 469 | 314 | 95 | 57 | 2 | 0 | 1 |
| Adjacent | 33 | 30 | 0 | 3 | 0 | 0 | 0 |

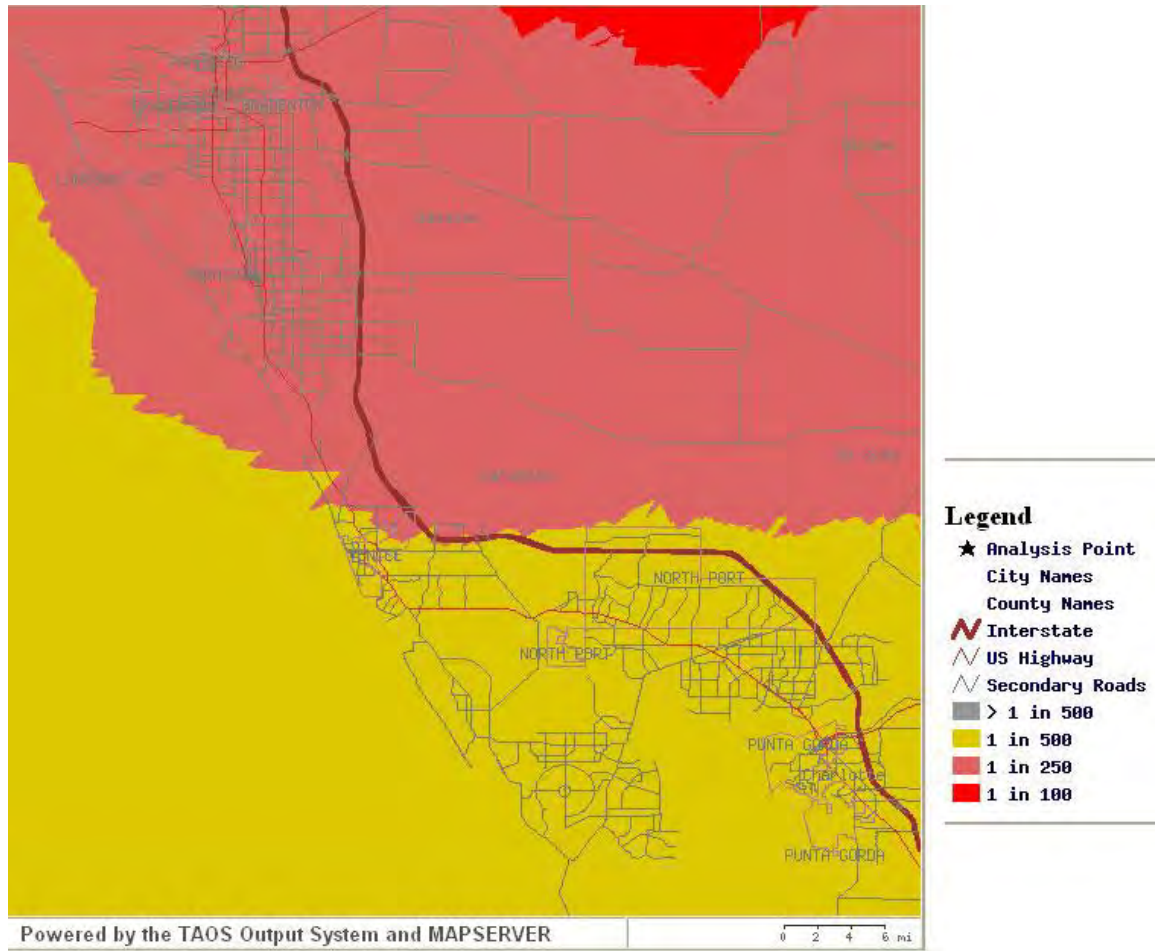
Value of Structures by DOR Use for KAC Sinkhole Risk

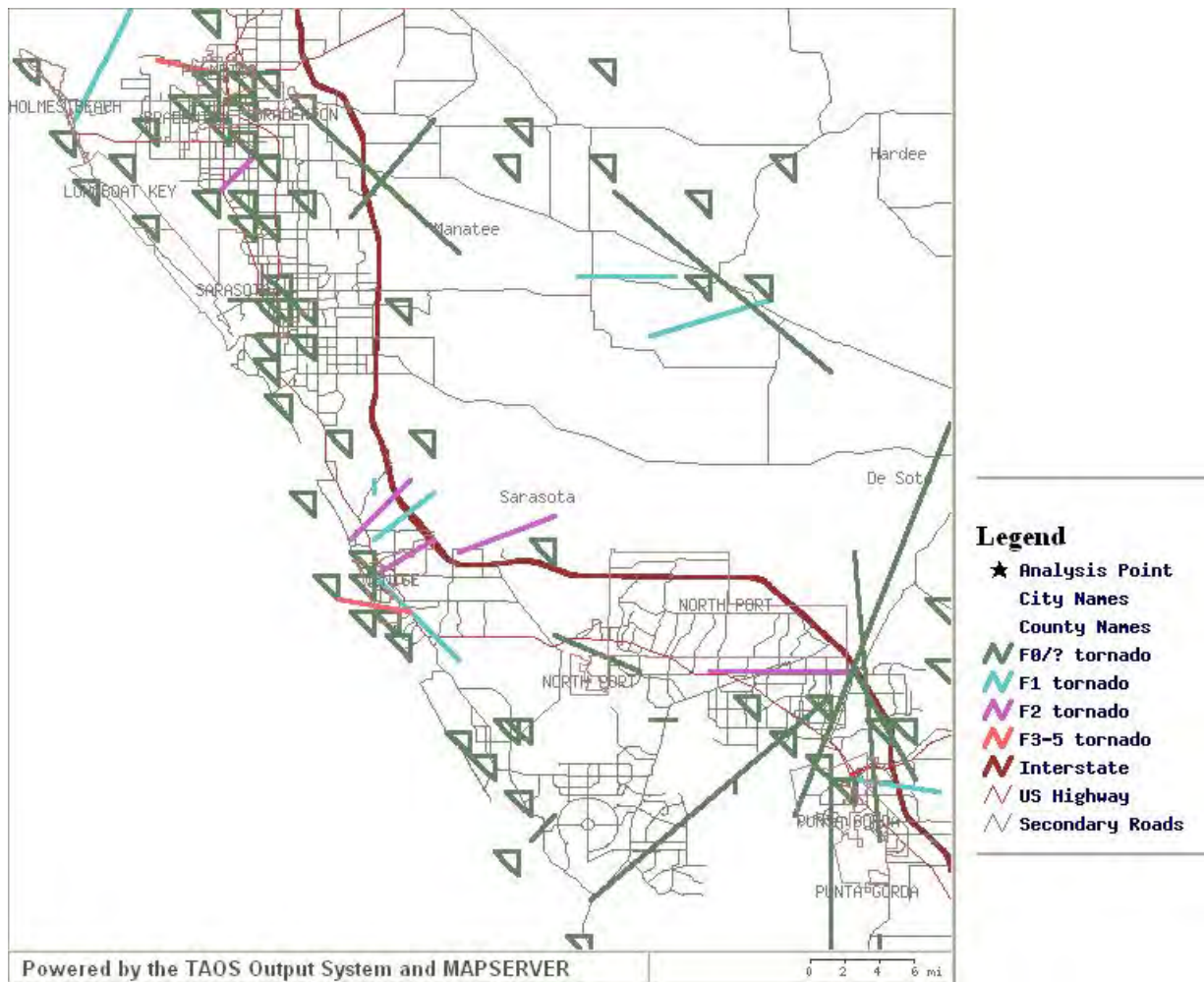
| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Low | \$ 14.21 BI | \$ 8.78 BI | \$ 335.58 MI | \$ 3.03 BI | \$ 809.80 MI | \$ 557.06 MI | \$ 692.02 MI |
| Medium | \$ 22.42 BI | \$ 12.20 BI | \$ 402.19 MI | \$ 5.75 BI | \$ 2.00 BI | \$ 1.73 BI | \$ 337.04 MI |
| High | \$ 1.87 BI | \$ 816.47 MI | \$ 7.74 MI | \$ 941.46 MI | \$ 33.42 MI | \$ 58.19 MI | \$ 11.31 MI |
| Very High | \$ 804.63 MI | \$ 250.90 MI | \$ 2.88 MI | \$ 513.59 MI | \$ 20.21 MI | \$ 17.06 MI | \$0.00 |
| Extreme | \$ 136.13 MI | \$ 99.76 MI | \$ 6.86 MI | \$ 25.09 MI | \$ 1.78 MI | \$0.00 | \$ 2.64 MI |
| Adjacent | \$ 9.71 MI | \$ 9.05 MI | \$0.00 | \$ 662.06 TH | \$0.00 | \$0.00 | \$0.00 |





Tornado Risk Assessment for Sarasota County





Tornado Risk Assessment for Sarasota County

Population at risk for KAC Tornado Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------------|--------|----------|---------|----------|---------|----------|----------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 99792 | 3363 | 39856 | 41304 | 6435 | 0 | 3984 |
| High (1 in 100) | 226165 | 20622 | 62621 | 76682 | 18382 | 0 | 11108 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|--------|--------|----------|--------|------------|-------------|------------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 53990 | 33979 | 6185 | 10703 | 1971 | 955 | 197 |
| High (1 in 100) | 113491 | 65165 | 3934 | 36514 | 4894 | 2149 | 835 |
| Very High (1 in 50)) | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|-------------|--------------|--------------|-------------|------------|-------------|--------------|
| Low (1 in 500) | \$ 11.49 MI | 0.00 | 0.00 | 0.00 | 0.00 | \$ 11.49 MI | 0.00 |
| Medium (1 in 250) | \$ 22.31 BI | \$ 13.22 BI | \$ 729.44 MI | \$ 4.21 BI | \$ 1.82 BI | \$ 2.04 BI | \$ 289.10 MI |
| High (1 in 100) | \$ 67.00 BI | \$ 30.07 BI | \$ 328.66 MI | \$ 24.54 BI | \$ 7.13 BI | \$ 3.73 BI | \$ 1.20 BI |
| Very High (1 in 50)) | \$ 2.54 MI | \$ 196.89 TH | 0.00 | 0.00 | \$ 2.35 MI | 0.00 | 0.00 |

Tornado Risk Assessment for Town of Longboat Key

Population at risk for KAC Tornado Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------------|-------|----------|---------|----------|---------|----------|----------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (1 in 100) | 7575 | 103 | 4375 | 1701 | 216 | 44 | 70 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|-------|--------|----------|--------|------------|-------------|------------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (1 in 100) | 9002 | 1713 | 176 | 6916 | 154 | 39 | 4 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tornado Risk

[illegible]

Tornado Risk Assessment for City of Northport

Population at risk for KAC Tornado Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------------|-------|----------|---------|----------|---------|----------|----------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 22717 | 1523 | 5305 | 10092 | 1865 | 0 | 1154 |
| High (1 in 100) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|-------|--------|----------|--------|------------|-------------|------------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 10884 | 9345 | 987 | 294 | 113 | 133 | 12 |
| High (1 in 100) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tornado Risk

[illegible]

Tornado Risk Assessment for City of Sarasota

Population at risk for KAC Tornado Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------------|-------|----------|---------|----------|---------|----------|----------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (1 in 100) | 52537 | 12044 | 11691 | 21477 | 8271 | 0 | 3781 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|-------|--------|----------|--------|------------|-------------|------------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (1 in 100) | 23952 | 13587 | 709 | 7058 | 1829 | 739 | 30 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|-------------|------------|-------------|------------|------------|-------------|-------------|
| Low (1 in 500) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Medium (1 in 250) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| High (1 in 100) | \$ 12.95 BI | \$ 4.76 BI | \$ 64.49 MI | \$ 4.10 BI | \$ 2.33 BI | \$ 1.61 BI | \$ 82.24 MI |
| Very High (1 in 50)) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Tornado Risk Assessment for City of Venice

Population at risk for KAC Tornado Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------------|-------|----------|---------|----------|---------|----------|----------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 13103 | 187 | 7351 | 6542 | 856 | 0 | 382 |
| High (1 in 100) | 4747 | 163 | 2897 | 1764 | 121 | 0 | 137 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|-------|--------|----------|--------|------------|-------------|------------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 7870 | 3141 | 417 | 3433 | 575 | 284 | 20 |
| High (1 in 100) | 1814 | 942 | 25 | 793 | 47 | 3 | 4 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|------------|--------------|-------------|--------------|--------------|--------------|-------------|
| Low (1 in 500) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Medium (1 in 250) | \$ 3.75 BI | \$ 1.10 BI | \$ 33.09 MI | \$ 1.55 BI | \$ 558.90 MI | \$ 494.15 MI | \$ 19.99 MI |
| High (1 in 100) | \$ 1.09 BI | \$ 558.37 MI | \$ 1.42 MI | \$ 309.57 MI | \$ 185.30 MI | \$ 30.51 MI | \$ 4.07 MI |
| Very High (1 in 50)) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Tornado Risk Assessment for Sarasota County-Unincorporated Areas

Population at risk for KAC Tornado Risk

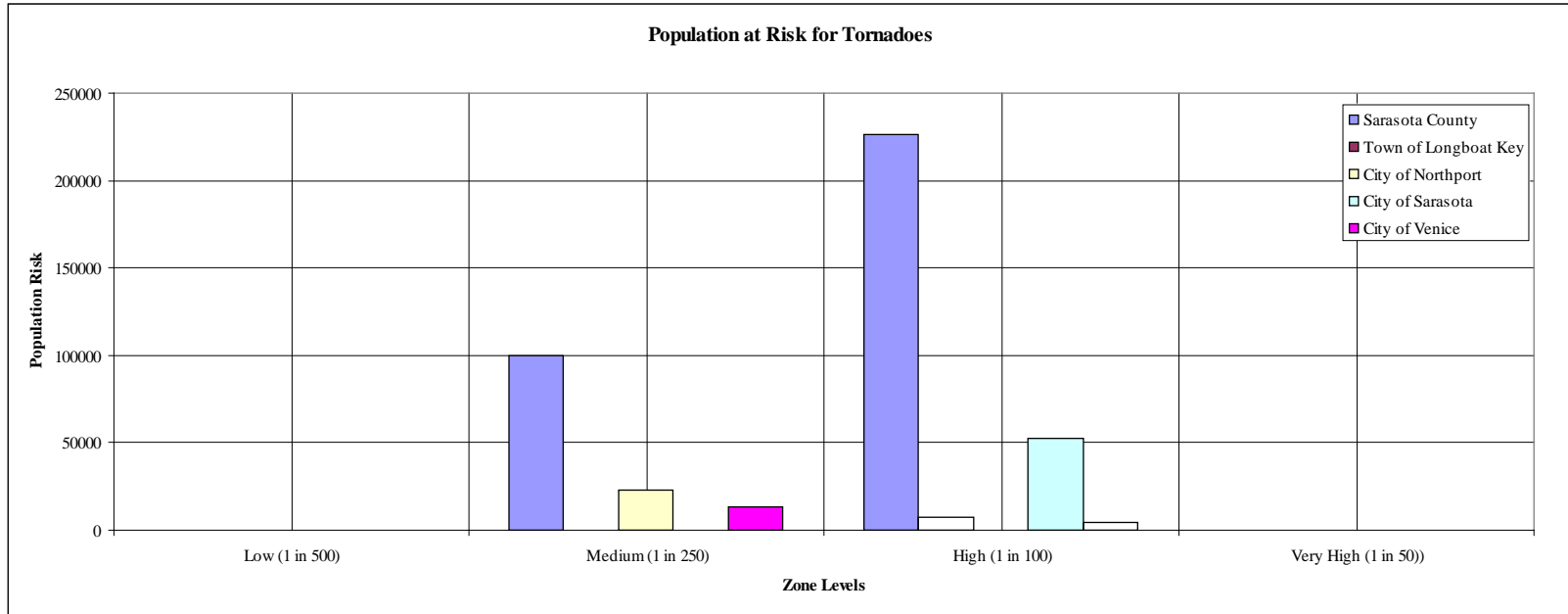
| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------------------|--------|----------|---------|----------|---------|----------|----------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 63972 | 1653 | 27200 | 24670 | 3714 | 0 | 2448 |
| High (1 in 100) | 163869 | 8399 | 44992 | 52484 | 9877 | 0 | 7153 |
| Very High (1 in 50)) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

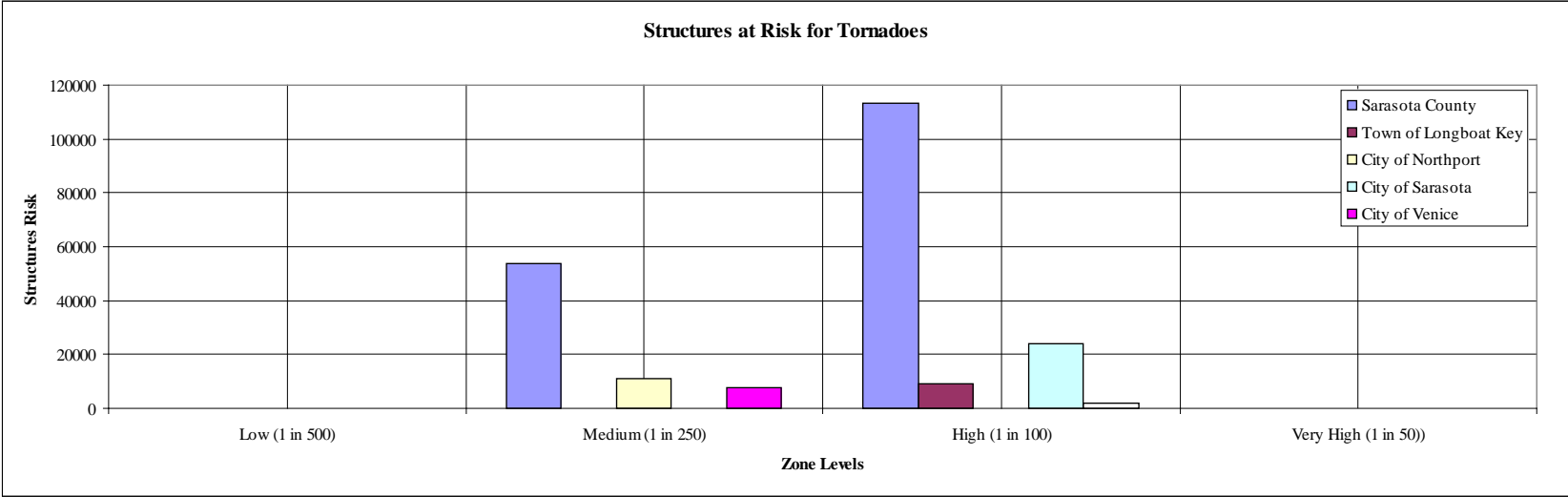
Structures at risk for KAC Tornado Risk

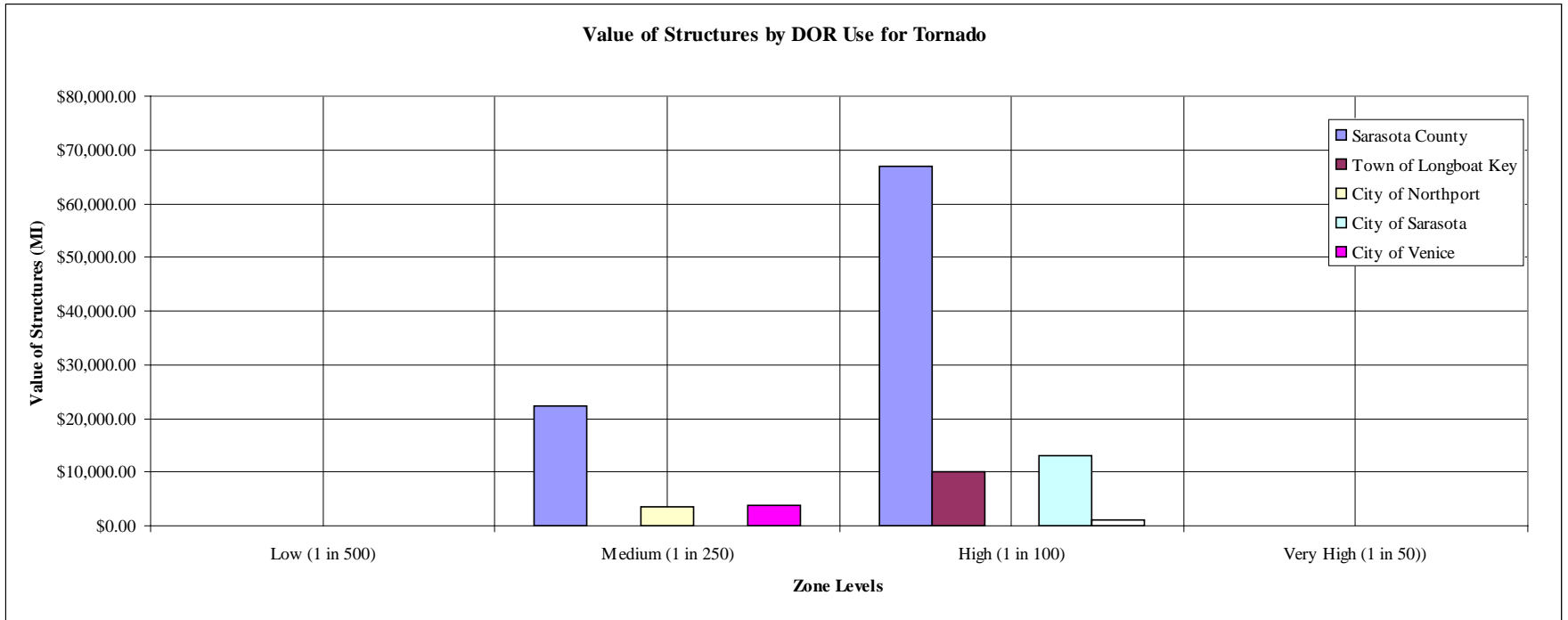
| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|-------|--------|----------|--------|------------|-------------|------------|
| Low (1 in 500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (1 in 250) | 36236 | 22321 | 4883 | 7036 | 1293 | 538 | 165 |
| High (1 in 100) | 81972 | 49633 | 3026 | 24171 | 2958 | 1383 | 801 |
| Very High (1 in 50)) | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Tornado Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------------------|--------------|--------------|--------------|-------------|------------|-------------|--------------|
| Low (1 in 500) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Medium (1 in 250) | \$ 15.48 BI | \$ 9.50 BI | \$ 622.62 MI | \$ 2.59 BI | \$ 1.15 BI | \$ 1.38 BI | \$ 251.93 MI |
| High (1 in 100) | \$ 44.21 BI | \$ 23.53 BI | \$ 253.01 MI | \$ 13.43 BI | \$ 3.84 BI | \$ 2.05 BI | \$ 1.11 BI |
| Very High (1 in 50)) | \$ 196.89 TH | \$ 196.89 TH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |







Thunderstorm and Hail Damage Risk Assessment for Sarasota County





Thunderstorm and Hail Damage Risk Assessment for Sarasota County

Population at risk for KAC Thunderstorm Damage Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|--------------|--------|----------|---------|----------|---------|----------|----------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 325957 | 23985 | 102477 | 117986 | 24817 | 0 | 15092 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|--------|--------|----------|--------|------------|-------------|------------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 5 | 2 | 0 | 3 | 0 | 0 | 0 |
| Medium (100) | 167477 | 99143 | 10119 | 47214 | 6865 | 3104 | 1032 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|--------------|--------------|------------|-------------|--------------|-------------|------------|
| V. High (25) | \$ 11.49 MI | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$ 11.49 MI | \$0.00 |
| High (50) | \$ 7.50 MI | \$ 418.66 TH | \$0.00 | \$ 1.43 MI | \$0.00 | \$ 5.65 MI | \$0.00 |
| Medium (100) | \$ 89.31 BI | \$ 43.30 BI | \$ 1.06 BI | \$ 28.75 BI | \$ 8.95 BI | \$ 5.77 BI | \$ 1.49 BI |
| Low (200) | \$ 2.35 MI | \$0.00 | \$0.00 | \$0.00 | \$ 2.35 MI | \$0.00 | \$0.00 |
| V. Low (500) | \$ 154.65 MI | \$0.00 | \$0.00 | \$0.00 | \$ 154.65 MI | \$0.00 | \$0.00 |

Thunderstorm and Hail Damage Risk Assessment for Town of Longboat Key

Population at risk for KAC Thunderstorm Damage Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|--------------|-------|----------|---------|----------|---------|----------|----------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 7575 | 103 | 4375 | 1701 | 216 | 44 | 70 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|-------|--------|----------|--------|------------|-------------|------------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 9002 | 1713 | 176 | 6916 | 154 | 39 | 4 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|-------------|------------|------------|------------|--------------|-------------|--------------|
| V. High (25) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| High (50) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Medium (100) | \$ 10.07 BI | \$ 1.78 BI | \$ 9.94 MI | \$ 8.02 BI | \$ 203.11 MI | \$ 54.26 MI | \$ 944.89 TH |
| Low (200) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| V. Low (500) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Thunderstorm and Hail Damage Risk Assessment for City of Northport

Population at risk for KAC Thunderstorm Damage Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|--------------|-------|----------|---------|----------|---------|----------|----------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 22717 | 1523 | 5305 | 10092 | 1865 | 0 | 1154 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|-------|--------|----------|--------|------------|-------------|------------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 10884 | 9345 | 987 | 294 | 113 | 133 | 12 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|------------|------------|-------------|-------------|--------------|--------------|-------------|
| V. High (25) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| High (50) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Medium (100) | \$ 3.43 BI | \$ 2.96 BI | \$ 86.89 MI | \$ 83.76 MI | \$ 116.29 MI | \$ 164.99 MI | \$ 17.19 MI |
| Low (200) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| V. Low (500) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Thunderstorm and Hail Damage Risk Assessment for City of Sarasota

Population at risk for KAC Thunderstorm Damage Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|--------------|-------|----------|---------|----------|---------|----------|----------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 52537 | 12044 | 11691 | 21477 | 8271 | 0 | 3781 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|-------|--------|----------|--------|------------|-------------|------------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 23952 | 13587 | 709 | 7058 | 1829 | 739 | 30 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|-------------|------------|-------------|------------|------------|-------------|-------------|
| V. High (25) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| High (50) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Medium (100) | \$ 12.95 BI | \$ 4.76 BI | \$ 64.49 MI | \$ 4.10 BI | \$ 2.33 BI | \$ 1.61 BI | \$ 82.24 MI |
| Low (200) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| V. Low (500) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Thunderstorm and Hail Damage Risk Assessment for City of Venice

Population at risk for KAC Thunderstorm Damage Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|--------------|-------|----------|---------|----------|---------|----------|----------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 17850 | 350 | 10248 | 8306 | 977 | 0 | 519 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|-------|--------|----------|--------|------------|-------------|------------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 9684 | 4083 | 442 | 4226 | 622 | 287 | 24 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|------------|------------|-------------|------------|--------------|--------------|-------------|
| V. High (25) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| High (50) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Medium (100) | \$ 4.84 BI | \$ 1.66 BI | \$ 34.51 MI | \$ 1.86 BI | \$ 744.21 MI | \$ 524.65 MI | \$ 24.06 MI |
| Low (200) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| V. Low (500) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Thunderstorm and Hail Damage Risk Assessment for Sarasota County - Unincorporated Areas

Population at risk for KAC Thunderstorm Damage Risk

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|--------------|--------|----------|---------|----------|---------|----------|----------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 227841 | 10052 | 72192 | 77154 | 13591 | 0 | 9601 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

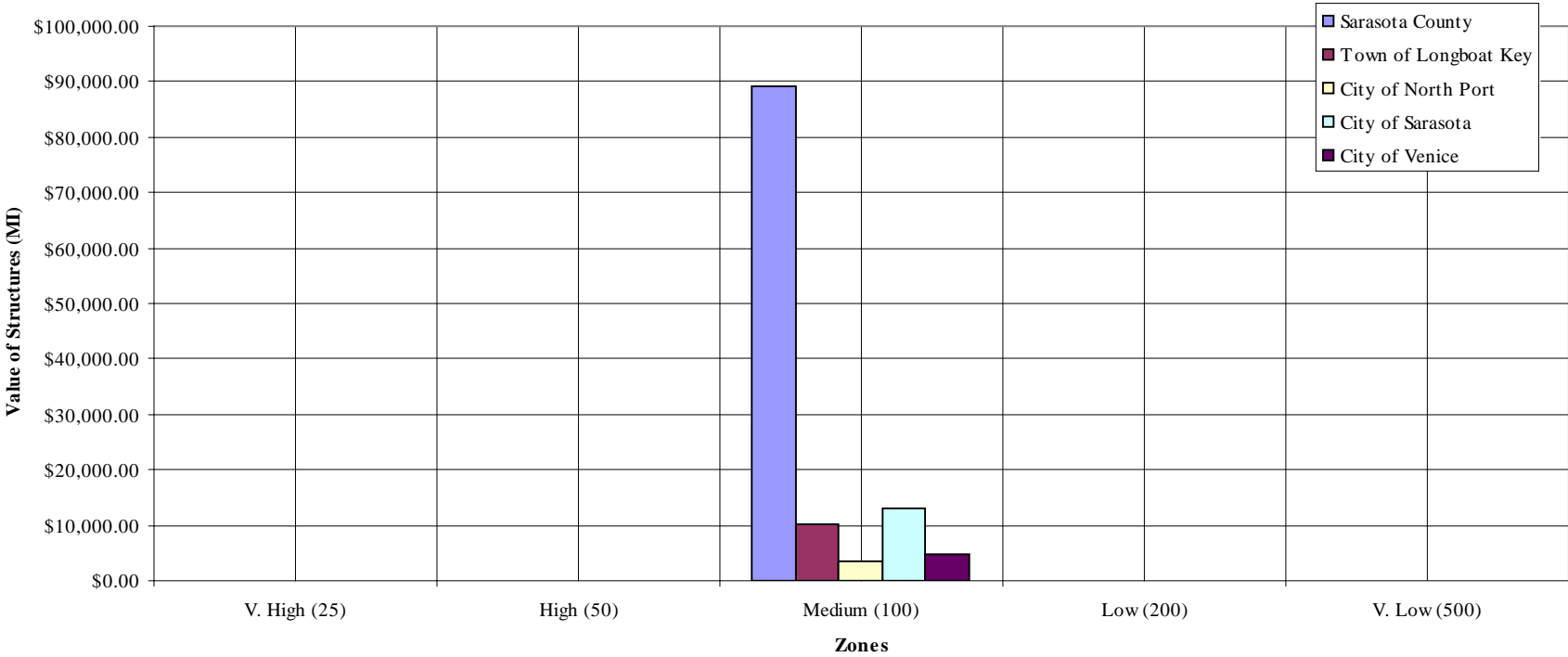
Structures at risk for KAC Thunderstorm Damage Risk

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|--------------|--------|--------|----------|--------|------------|-------------|------------|
| V. High (25) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High (50) | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Medium (100) | 118208 | 71954 | 7909 | 31207 | 4251 | 1921 | 966 |
| Low (200) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Low (500) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

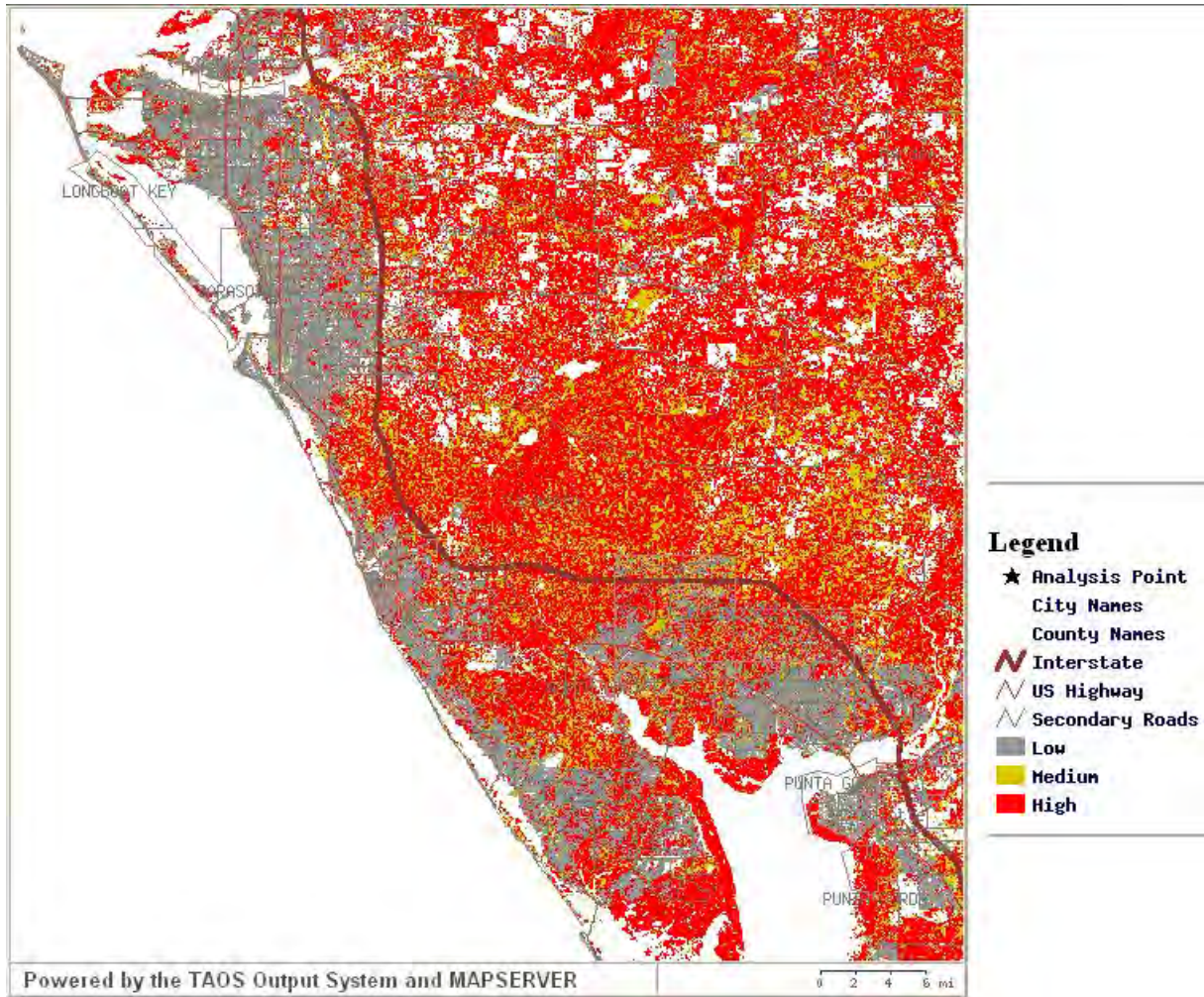
Value of Structures by DOR Use for KAC Thunderstorm Damage Risk

[illegible]

Value of Structures by DOR Use for Thunderstorms and Hail Damage



Wildfire Risk Assessment for Sarasota County



Wildfire Risk Assessment for Sarasota County

Population at risk for FDOF Fire Risk LOC

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|------------------|-------|----------|---------|----------|---------|----------|----------|
| Level 1 (low) | 1098 | 144 | 226 | 355 | 141 | 0 | 74 |
| Level 2 | 8634 | 290 | 2013 | 2191 | 307 | 0 | 282 |
| Level 3 | 16163 | 746 | 5726 | 5038 | 895 | 0 | 512 |
| Level 4 | 5131 | 70 | 2005 | 2277 | 283 | 0 | 167 |
| Level 5 (medium) | 37950 | 2410 | 11605 | 12780 | 2517 | 0 | 1685 |
| Level 6 | 18833 | 1285 | 6250 | 6392 | 1247 | 0 | 749 |
| Level 7 | 76682 | 6048 | 22914 | 26738 | 5656 | 0 | 3689 |
| Level 8 | 28120 | 1956 | 6659 | 11022 | 2134 | 0 | 1615 |
| Level 9 (high) | 12912 | 942 | 3468 | 5621 | 1128 | 0 | 702 |

Structures at risk for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|-------|--------|----------|--------|------------|-------------|------------|
| Level 1 (low) | 36255 | 250 | 23287 | 2125 | 8433 | 1337 | 823 |
| Level 2 | 13324 | 1511 | 7507 | 1862 | 1923 | 335 | 186 |
| Level 3 | 12272 | 3919 | 4156 | 2872 | 867 | 228 | 230 |
| Level 4 | 4539 | 3009 | 72 | 1140 | 165 | 85 | 68 |
| Level 5 (medium) | 18936 | 10778 | 574 | 5966 | 899 | 557 | 162 |
| Level 6 | 10995 | 7159 | 391 | 2511 | 580 | 261 | 93 |
| Level 7 | 36206 | 23287 | 2125 | 8433 | 1337 | 823 | 201 |
| Level 8 | 11871 | 7507 | 1862 | 1923 | 335 | 186 | 58 |
| Level 9 (high) | 8359 | 4156 | 2872 | 867 | 228 | 230 | 6 |

Value of Structures by DOR Use for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Level 1 (low) | \$ 16.86 BI | \$ 164.42 MI | \$ 9.97 BI | \$ 481.97 MI | \$ 3.63 BI | \$ 1.35 BI | \$ 1.26 BI |
| Level 2 | \$ 6.12 BI | \$ 845.54 MI | \$ 2.91 BI | \$ 668.34 MI | \$ 917.46 MI | \$ 508.24 MI | \$ 277.54 MI |
| Level 3 | \$ 6.78 BI | \$ 1.91 BI | \$ 1.35 BI | \$ 1.44 BI | \$ 1.29 BI | \$ 403.25 MI | \$ 387.62 MI |
| Level 4 | \$ 2.84 BI | \$ 1.49 BI | \$ 7.24 MI | \$ 727.40 MI | \$ 250.48 MI | \$ 265.56 MI | \$ 96.70 MI |
| Level 5 (medium) | \$ 11.37 BI | \$ 4.88 BI | \$ 60.90 MI | \$ 4.22 BI | \$ 1.14 BI | \$ 868.94 MI | \$ 207.14 MI |
| Level 6 | \$ 5.80 BI | \$ 3.11 BI | \$ 38.11 MI | \$ 1.34 BI | \$ 747.74 MI | \$ 456.06 MI | \$ 112.35 MI |
| Level 7 | \$ 16.93 BI | \$ 9.97 BI | \$ 481.97 MI | \$ 3.63 BI | \$ 1.35 BI | \$ 1.26 BI | \$ 227.24 MI |
| Level 8 | \$ 5.34 BI | \$ 2.91 BI | \$ 668.34 MI | \$ 917.46 MI | \$ 508.24 MI | \$ 277.54 MI | \$ 59.97 MI |
| Level 9 (high) | \$ 4.87 BI | \$ 1.35 BI | \$ 1.44 BI | \$ 1.29 BI | \$ 403.25 MI | \$ 387.62 MI | \$ 5.10 MI |

Wildlife Fire Risk Assessment for Town of Longboat Key
Population at risk for FDOF Fire Risk LOC

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|------------------|-------|----------|---------|----------|---------|----------|----------|
| Level 1 (low) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 3 | 831 | 12 | 669 | 230 | 22 | 0 | 0 |
| Level 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 5 (medium) | 2851 | 16 | 1675 | 621 | 85 | 0 | 37 |
| Level 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 9 (high) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|-------|--------|----------|--------|------------|-------------|------------|
| Level 1 (low) | 129 | 25 | 0 | 103 | 1 | 0 | 0 |
| Level 2 | 215 | 52 | 2 | 150 | 10 | 1 | 0 |
| Level 3 | 299 | 75 | 1 | 221 | 2 | 0 | 0 |
| Level 4 | 108 | 12 | 0 | 95 | 0 | 1 | 0 |
| Level 5 (medium) | 2016 | 450 | 36 | 1493 | 30 | 7 | 0 |
| Level 6 | 358 | 92 | 10 | 255 | 1 | 0 | 0 |
| Level 7 | 104 | 0 | 103 | 1 | 0 | 0 | 0 |
| Level 8 | 163 | 2 | 150 | 10 | 1 | 0 | 0 |
| Level 9 (high) | 224 | 1 | 221 | 2 | 0 | 0 | 0 |

Value of Structures by DOR Use for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|
| Level 1 (low) | \$ 286.93 MI | \$ 50.74 MI | \$0.00 | \$ 232.76 MI | \$ 3.44 MI | 0 | \$0.00 |
| Level 2 | \$ 245.99 MI | \$ 55.40 MI | \$ 139.08 TH | \$ 167.58 MI | \$ 22.63 MI | \$ 235.95 TH | \$0.00 |
| Level 3 | \$ 310.65 MI | \$ 52.44 MI | \$ 113.83 TH | \$ 254.62 MI | \$ 3.47 MI | 0 | \$0.00 |
| Level 4 | \$ 178.56 MI | \$ 18.43 MI | \$0.00 | \$ 160.13 MI | 0 | \$814.78 | \$0.00 |
| Level 5 (medium) | \$ 2.36 BI | \$ 376.71 MI | \$ 1.97 MI | \$ 1.91 BI | \$ 53.40 MI | \$ 25.29 MI | \$0.00 |
| Level 6 | \$ 484.12 MI | \$ 139.10 MI | \$ 393.56 TH | \$ 344.61 MI | \$ 16.82 TH | \$0.00 | \$0.00 |
| Level 7 | \$ 236.19 MI | \$0.00 | \$ 232.76 MI | \$ 3.44 MI | \$0.00 | 0 | \$0.00 |
| Level 8 | \$ 190.59 MI | \$ 139.08 TH | \$ 167.58 MI | \$ 22.63 MI | \$ 235.95 TH | \$0.00 | \$0.00 |
| Level 9 (high) | \$ 258.21 MI | \$ 113.83 TH | \$ 254.62 MI | \$ 3.47 MI | \$0.00 | 0 | \$0.00 |

Wildlife Fire Risk Assessment for City of Northport

Population at risk for FDOF Fire Risk LOC

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|------------------|-------|----------|---------|----------|---------|----------|----------|
| Level 1 (low) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 5 (medium) | 2321 | 144 | 226 | 569 | 127 | 0 | 165 |
| Level 6 | 140 | 23 | 22 | 22 | 0 | 0 | 5 |
| Level 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 8 | 11390 | 878 | 2537 | 4741 | 890 | 0 | 567 |
| Level 9 (high) | 5785 | 416 | 1252 | 2722 | 439 | 0 | 264 |

Structures at risk for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|-------|--------|----------|--------|------------|-------------|------------|
| Level 1 (low) | 1579 | 0 | 1439 | 75 | 32 | 9 | 24 |
| Level 2 | 3065 | 4 | 2822 | 129 | 58 | 27 | 25 |
| Level 3 | 3118 | 169 | 2398 | 361 | 104 | 37 | 49 |
| Level 4 | 90 | 80 | 4 | 3 | 1 | 1 | 1 |
| Level 5 (medium) | 335 | 297 | 22 | 10 | 1 | 3 | 2 |
| Level 6 | 200 | 183 | 11 | 3 | 3 | 0 | 0 |
| Level 7 | 1581 | 1439 | 75 | 32 | 9 | 24 | 2 |
| Level 8 | 3068 | 2822 | 129 | 58 | 27 | 25 | 7 |
| Level 9 (high) | 2949 | 2398 | 361 | 104 | 37 | 49 | 0 |

Value of Structures by DOR Use for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| Level 1 (low) | \$ 528.15 MI | \$0.00 | \$ 466.23 MI | \$ 7.20 MI | \$ 11.09 MI | \$ 5.56 MI | \$ 38.08 MI |
| Level 2 | \$ 1.06 BI | \$ 1.30 MI | \$ 970.28 MI | \$ 12.13 MI | \$ 14.85 MI | \$ 30.62 MI | \$ 28.80 MI |
| Level 3 | \$ 936.32 MI | \$ 59.83 MI | \$ 698.21 MI | \$ 31.15 MI | \$ 32.37 MI | \$ 41.14 MI | \$ 73.61 MI |
| Level 4 | \$ 34.91 MI | \$ 29.71 MI | \$ 219.32 TH | \$ 426.54 TH | \$ 2.56 MI | \$ 568.81 TH | \$ 1.42 MI |
| Level 5 (medium) | \$ 115.50 MI | \$ 103.58 MI | \$ 1.89 MI | \$ 2.65 MI | \$ 700.41 TH | \$ 3.52 MI | \$ 3.17 MI |
| Level 6 | \$ 76.17 MI | \$ 68.26 MI | \$ 886.14 TH | \$ 1.07 MI | \$ 5.95 MI | \$0.00 | \$0.00 |
| Level 7 | \$ 530.77 MI | \$ 466.23 MI | \$ 7.20 MI | \$ 11.09 MI | \$ 5.56 MI | \$ 38.08 MI | \$ 2.62 MI |
| Level 8 | \$ 1.07 BI | \$ 970.28 MI | \$ 12.13 MI | \$ 14.85 MI | \$ 30.62 MI | \$ 28.80 MI | \$ 9.98 MI |
| Level 9 (high) | \$ 876.49 MI | \$ 698.21 MI | \$ 31.15 MI | \$ 32.37 MI | \$ 41.14 MI | \$ 73.61 MI | \$0.00 |

Wildlife Fire Risk Assessment for City of Sarasota

Population at risk for FDOF Fire Risk LOC

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|------------------|-------|----------|---------|----------|---------|----------|----------|
| Level 1 (low) | 1098 | 144 | 226 | 355 | 141 | 0 | 74 |
| Level 2 | 1796 | 137 | 544 | 788 | 166 | 0 | 87 |
| Level 3 | 1263 | 394 | 326 | 375 | 296 | 0 | 64 |
| Level 4 | 25 | 0 | 16 | 7 | 0 | 0 | 0 |
| Level 5 (medium) | 7843 | 1438 | 1094 | 2593 | 869 | 0 | 373 |
| Level 6 | 4246 | 745 | 1163 | 1661 | 408 | 0 | 271 |
| Level 7 | 11250 | 3633 | 2374 | 5422 | 2306 | 0 | 1136 |
| Level 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 9 (high) | 2056 | 340 | 280 | 847 | 265 | 0 | 188 |

Structures at risk for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|-------|--------|----------|--------|------------|-------------|------------|
| Level 1 (low) | 4331 | 68 | 2691 | 273 | 863 | 259 | 177 |
| Level 2 | 573 | 204 | 179 | 98 | 56 | 27 | 9 |
| Level 3 | 1340 | 762 | 38 | 424 | 85 | 31 | 0 |
| Level 4 | 925 | 605 | 8 | 240 | 46 | 26 | 0 |
| Level 5 (medium) | 4340 | 2663 | 21 | 1232 | 263 | 159 | 2 |
| Level 6 | 1518 | 972 | 18 | 255 | 189 | 79 | 5 |
| Level 7 | 4267 | 2691 | 273 | 863 | 259 | 177 | 4 |
| Level 8 | 372 | 179 | 98 | 56 | 27 | 9 | 3 |
| Level 9 (high) | 578 | 38 | 424 | 85 | 31 | 0 | 0 |

Value of Structures by DOR Use for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Level 1 (low) | \$ 1.41 BI | \$ 20.14 MI | \$ 643.03 MI | \$ 26.37 MI | \$ 320.51 MI | \$ 195.35 MI | \$ 201.33 MI |
| Level 2 | \$ 260.00 MI | \$ 80.27 MI | \$ 48.69 MI | \$ 35.01 MI | \$ 52.20 MI | \$ 33.90 MI | \$ 9.93 MI |
| Level 3 | \$ 709.14 MI | \$ 299.38 MI | \$ 6.39 MI | \$ 190.39 MI | \$ 97.03 MI | \$ 115.96 MI | \$0.00 |
| Level 4 | \$ 623.29 MI | \$ 248.41 MI | \$ 529.17 TH | \$ 147.67 MI | \$ 36.53 MI | \$ 190.15 MI | \$0.00 |
| Level 5 (medium) | \$ 2.63 BI | \$ 969.17 MI | \$ 1.22 MI | \$ 763.35 MI | \$ 440.29 MI | \$ 448.37 MI | \$ 3.59 MI |
| Level 6 | \$ 723.43 MI | \$ 258.15 MI | \$ 1.76 MI | \$ 89.02 MI | \$ 236.89 MI | \$ 131.20 MI | \$ 6.41 MI |
| Level 7 | \$ 1.39 BI | \$ 643.03 MI | \$ 26.37 MI | \$ 320.51 MI | \$ 195.35 MI | \$ 201.33 MI | \$ 3.13 MI |
| Level 8 | \$ 182.08 MI | \$ 48.69 MI | \$ 35.01 MI | \$ 52.20 MI | \$ 33.90 MI | \$ 9.93 MI | \$ 2.35 MI |
| Level 9 (high) | \$ 409.76 MI | \$ 6.39 MI | \$ 190.39 MI | \$ 97.03 MI | \$ 115.96 MI | 0 | \$0.00 |

Wildlife Fire Risk Assessment for City of Venice

Population at risk for FDOF Fire Risk LOC

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|------------------|-------|----------|---------|----------|---------|----------|----------|
| Level 1 (low) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 3 | 2809 | 47 | 1601 | 1001 | 67 | 0 | 51 |
| Level 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 5 (medium) | 4072 | 159 | 2429 | 1762 | 172 | 0 | 142 |
| Level 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 7 | 2239 | 21 | 1636 | 1052 | 170 | 0 | 62 |
| Level 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 9 (high) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|-------|--------|----------|--------|------------|-------------|------------|
| Level 1 (low) | 1738 | 0 | 691 | 119 | 756 | 81 | 91 |
| Level 2 | 397 | 5 | 253 | 26 | 81 | 23 | 9 |
| Level 3 | 286 | 91 | 86 | 70 | 34 | 3 | 2 |
| Level 4 | 226 | 72 | 3 | 138 | 13 | 0 | 0 |
| Level 5 (medium) | 1235 | 352 | 51 | 617 | 97 | 118 | 0 |
| Level 6 | 405 | 157 | 22 | 170 | 42 | 14 | 0 |
| Level 7 | 1739 | 691 | 119 | 756 | 81 | 91 | 1 |
| Level 8 | 400 | 253 | 26 | 81 | 23 | 9 | 8 |
| Level 9 (high) | 195 | 86 | 70 | 34 | 3 | 2 | 0 |

Value of Structures by DOR Use for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Level 1 (low) | \$ 847.99 MI | \$0.00 | \$ 322.22 MI | \$ 12.10 MI | \$ 271.72 MI | \$ 91.57 MI | \$ 150.39 MI |
| Level 2 | \$ 170.57 MI | \$ 6.24 MI | \$ 97.91 MI | \$ 7.97 MI | \$ 23.80 MI | \$ 30.15 MI | \$ 4.50 MI |
| Level 3 | \$ 125.61 MI | \$ 41.68 MI | \$ 31.18 MI | \$ 35.65 MI | \$ 12.68 MI | \$ 3.64 MI | \$ 769.40 TH |
| Level 4 | \$ 110.35 MI | \$ 25.54 MI | \$ 372.41 TH | \$ 68.95 MI | \$ 15.49 MI | \$0.00 | \$0.00 |
| Level 5 (medium) | \$ 606.15 MI | \$ 167.38 MI | \$ 4.59 MI | \$ 268.23 MI | \$ 91.64 MI | \$ 74.31 MI | \$0.00 |
| Level 6 | \$ 367.48 MI | \$ 55.38 MI | \$ 1.98 MI | \$ 92.54 MI | \$ 59.71 MI | \$ 157.87 MI | \$0.00 |
| Level 7 | \$ 848.32 MI | \$ 322.22 MI | \$ 12.10 MI | \$ 271.72 MI | \$ 91.57 MI | \$ 150.39 MI | \$ 328.05 TH |
| Level 8 | \$ 166.81 MI | \$ 97.91 MI | \$ 7.97 MI | \$ 23.80 MI | \$ 30.15 MI | \$ 4.50 MI | \$ 2.48 MI |
| Level 9 (high) | \$ 83.93 MI | \$ 31.18 MI | \$ 35.65 MI | \$ 12.68 MI | \$ 3.64 MI | \$ 769.40 TH | \$0.00 |

Wildlife Fire Risk Assessment for Sarasota County- Unincorporated Areas

Population at risk for FDOF Fire Risk LOC

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|------------------|-------|----------|---------|----------|---------|----------|----------|
| Level 1 (low) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Level 2 | 6838 | 153 | 1469 | 1403 | 141 | 0 | 195 |
| Level 3 | 12091 | 305 | 3799 | 3662 | 532 | 0 | 397 |
| Level 4 | 5106 | 70 | 1989 | 2270 | 283 | 0 | 167 |
| Level 5 (medium) | 20863 | 653 | 6181 | 7235 | 1264 | 0 | 968 |
| Level 6 | 14447 | 517 | 5065 | 4709 | 839 | 0 | 473 |
| Level 7 | 63193 | 2394 | 18904 | 20264 | 3180 | 0 | 2491 |
| Level 8 | 16730 | 1078 | 4122 | 6281 | 1244 | 0 | 1048 |
| Level 9 (high) | 5071 | 186 | 1936 | 2052 | 424 | 0 | 250 |

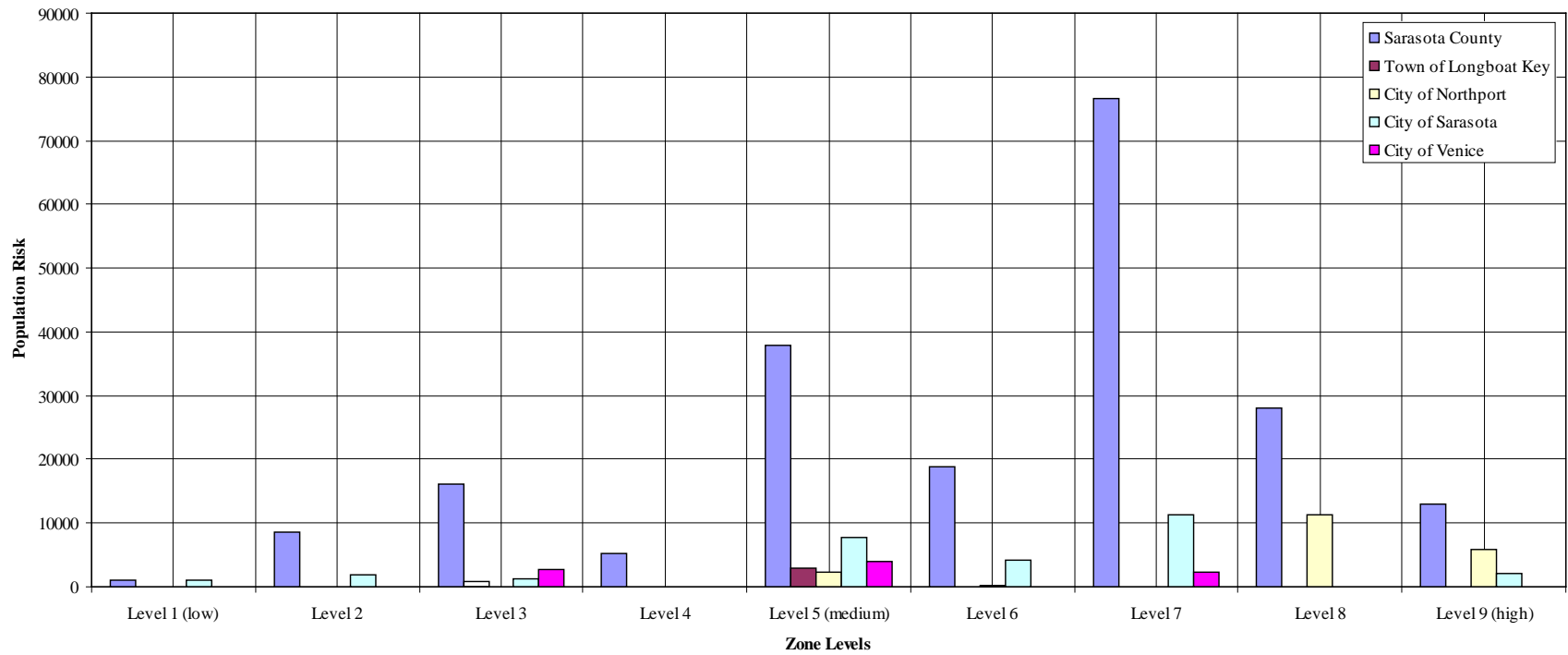
Structures at risk for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|------------------|-------|--------|----------|--------|------------|-------------|------------|
| Level 1 (low) | 28536 | 157 | 18506 | 1569 | 6785 | 988 | 531 |
| Level 2 | 9597 | 1273 | 4652 | 1536 | 1730 | 263 | 143 |
| Level 3 | 7542 | 2941 | 1704 | 1908 | 653 | 157 | 179 |
| Level 4 | 3212 | 2244 | 57 | 682 | 105 | 57 | 67 |
| Level 5 (medium) | 11720 | 7271 | 444 | 3050 | 524 | 273 | 158 |
| Level 6 | 8556 | 5794 | 330 | 1831 | 345 | 168 | 88 |
| Level 7 | 28573 | 18506 | 1569 | 6785 | 988 | 531 | 194 |
| Level 8 | 8364 | 4652 | 1536 | 1730 | 263 | 143 | 40 |
| Level 9 (high) | 4607 | 1704 | 1908 | 653 | 157 | 179 | 6 |

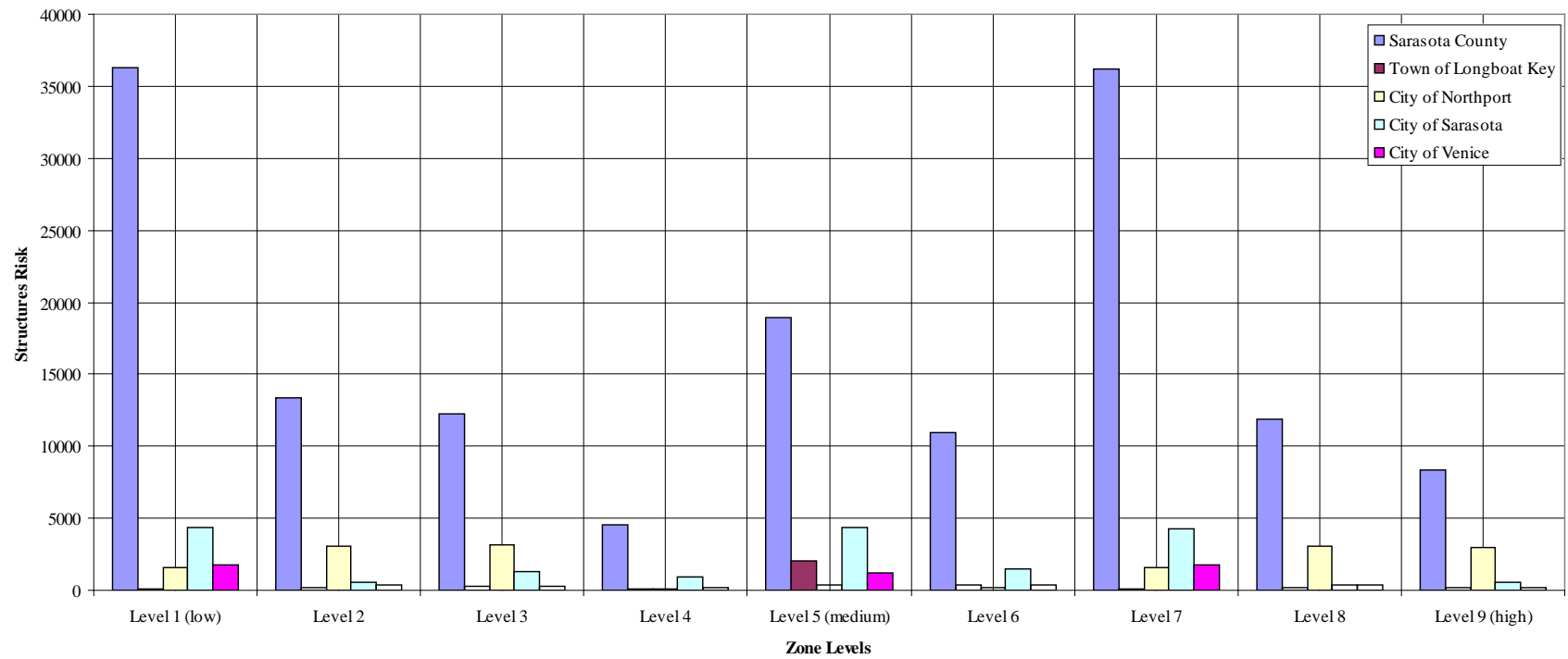
Value of Structures by DOR Use for FDOF Fire Risk LOC

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|---------------------|----------------|-----------------|--------------------|-----------------|--------------|--------------|-----------------|
| Level 1 (low) | \$ 13.80 BI | \$ 93.54 MI | \$ 8.56 BI | \$ 206.35 MI | \$ 3.02 BI | \$ 1.05 BI | \$ 875.19 MI |
| Level 2 | \$ 4.61 BI | \$ 724.78 MI | \$ 1.95 BI | \$ 480.47 MI | \$ 806.98 MI | \$ 409.07 MI | \$ 234.32 MI |
| Level 3 | \$ 4.29 BI | \$ 1.52 BI | \$ 635.58 MI | \$ 974.28 MI | \$ 606.97 MI | \$ 242.50 MI | \$ 313.24 MI |
| Level 4 | \$ 1.90 BI | \$ 1.17 BI | \$ 6.12 MI | \$ 360.11 MI | \$ 194.23 MI | \$ 74.84 MI | \$ 95.28 MI |
| Level 5 (medium) | \$ 5.98 BI | \$ 3.40 BI | \$ 51.24 MI | \$ 1.54 BI | \$ 468.90 MI | \$ 318.91 MI | \$ 200.39 MI |
| Level 6 | \$ 4.14 BI | \$ 2.61 BI | \$ 33.09 MI | \$ 812.16 MI | \$ 419.97 MI | \$ 166.99 MI | \$ 105.94 MI |
| Level 7 | \$ 13.93 BI | \$ 8.56 BI | \$ 206.35 MI | \$ 3.02 BI | \$ 1.05 BI | \$ 875.19 MI | \$ 221.17 MI |
| Level 8 | \$ 3.93 BI | \$ 1.95 BI | \$ 480.47 MI | \$ 806.98 MI | \$ 409.07 MI | \$ 234.32 MI | \$ 45.16 MI |
| Level 9 (high) | \$ 2.78 BI | \$ 635.58 MI | \$ 974.28 MI | \$ 606.97 MI | \$ 242.50 MI | \$ 313.24 MI | \$ 5.10 MI |

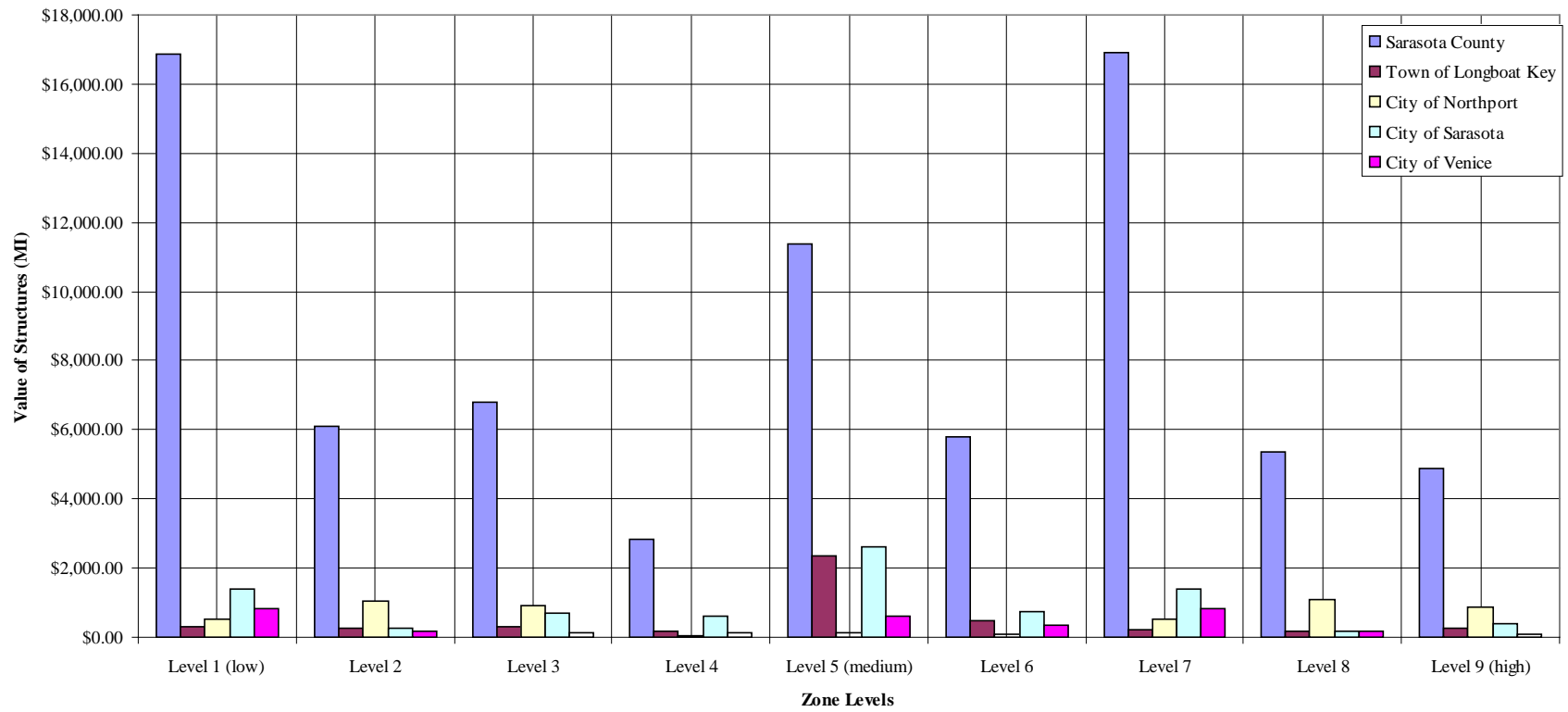
Population at Risk for Wildfire



Structures at Risk for Wildfire



Value of Structures by DOR Use for Wildfire



Earthquake Risk Assessment for Sarasota County

Earthquake Risk Assessment for Sarasota County

Population at risk for USGS 50 Year Earthquake

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------|--------|----------|---------|----------|---------|----------|----------|
| ext. low | 325957 | 23985 | 102477 | 117986 | 24817 | 0 | 15092 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for USGS 50 Year Earthquake

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|--------|--------|----------|--------|------------|-------------|------------|
| ext. low | 167479 | 99145 | 10119 | 47214 | 6865 | 3104 | 1032 |
| very low | 3 | 0 | 0 | 3 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for USGS 50 Year Earthquake

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|--------------|-------------|------------|-------------|--------------|-------------|------------|
| ext. low | \$ 88.64 BI | \$ 43.30 BI | \$ 1.06 BI | \$ 28.75 BI | \$ 8.27 BI | \$ 5.78 BI | \$ 1.49 BI |
| very low | \$ 7.08 MI | \$0.00 | \$0.00 | \$ 1.43 MI | \$0.00 | \$ 5.65 MI | \$0.00 |
| low | \$ 681.19 MI | \$0.00 | \$0.00 | \$0.00 | \$ 681.19 MI | \$0.00 | \$0.00 |
| medium | \$ 2.35 MI | \$0.00 | \$0.00 | \$0.00 | \$ 2.35 MI | \$0.00 | \$0.00 |

Earthquake Risk Assessment for Town of Longboat Key

Population at risk for USGS 50 Year Earthquake

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------|-------|----------|---------|----------|---------|----------|----------|
| ext. low | 7575 | 103 | 4375 | 1701 | 216 | 44 | 70 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for USGS 50 Year Earthquake

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|-------|--------|----------|--------|------------|-------------|------------|
| ext. low | 9002 | 1713 | 176 | 6916 | 154 | 39 | 4 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for USGS 50 Year Earthquake

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|-------------|------------|------------|------------|--------------|-------------|--------------|
| ext. low | \$ 10.07 BI | \$ 1.78 BI | \$ 9.94 MI | \$ 8.02 BI | \$ 203.11 MI | \$ 54.26 MI | \$ 944.89 TH |
| very low | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| low | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| medium | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Earthquake Risk Assessment for City of Northport

Population at risk for USGS 50 Year Earthquake

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------|-------|----------|---------|----------|---------|----------|----------|
| ext. low | 22717 | 1523 | 5305 | 10092 | 1865 | 0 | 1154 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for USGS 50 Year Earthquake

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|-------|--------|----------|--------|------------|-------------|------------|
| ext. low | 10884 | 9345 | 987 | 294 | 113 | 133 | 12 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for USGS 50 Year Earthquake

[illegible]

Earthquake Risk Assessment for City of Sarasota

Population at risk for USGS 50 Year Earthquake

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------|-------|----------|---------|----------|---------|----------|----------|
| ext. low | 52537 | 12044 | 11691 | 21477 | 8271 | 0 | 3781 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for USGS 50 Year Earthquake

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|-------|--------|----------|--------|------------|-------------|------------|
| ext. low | 23952 | 13587 | 709 | 7058 | 1829 | 739 | 30 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for USGS 50 Year Earthquake

[illegible]

Earthquake Risk Assessment for City of Venice

Population at risk for USGS 50 Year Earthquake

| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------|-------|----------|---------|----------|---------|----------|----------|
| ext. low | 17850 | 350 | 10248 | 8306 | 977 | 0 | 519 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for USGS 50 Year Earthquake

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|-------|--------|----------|--------|------------|-------------|------------|
| ext. low | 9684 | 4083 | 442 | 4226 | 622 | 287 | 24 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for USGS 50 Year Earthquake

| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|------------|------------|-------------|------------|--------------|--------------|-------------|
| ext. low | \$ 4.84 BI | \$ 1.66 BI | \$ 34.51 MI | \$ 1.86 BI | \$ 744.21 MI | \$ 524.65 MI | \$ 24.06 MI |
| very low | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| low | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| medium | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Earthquake Risk Assessment for Sarasota County- Unincorporated Areas

Population at risk for USGS 50 Year Earthquake

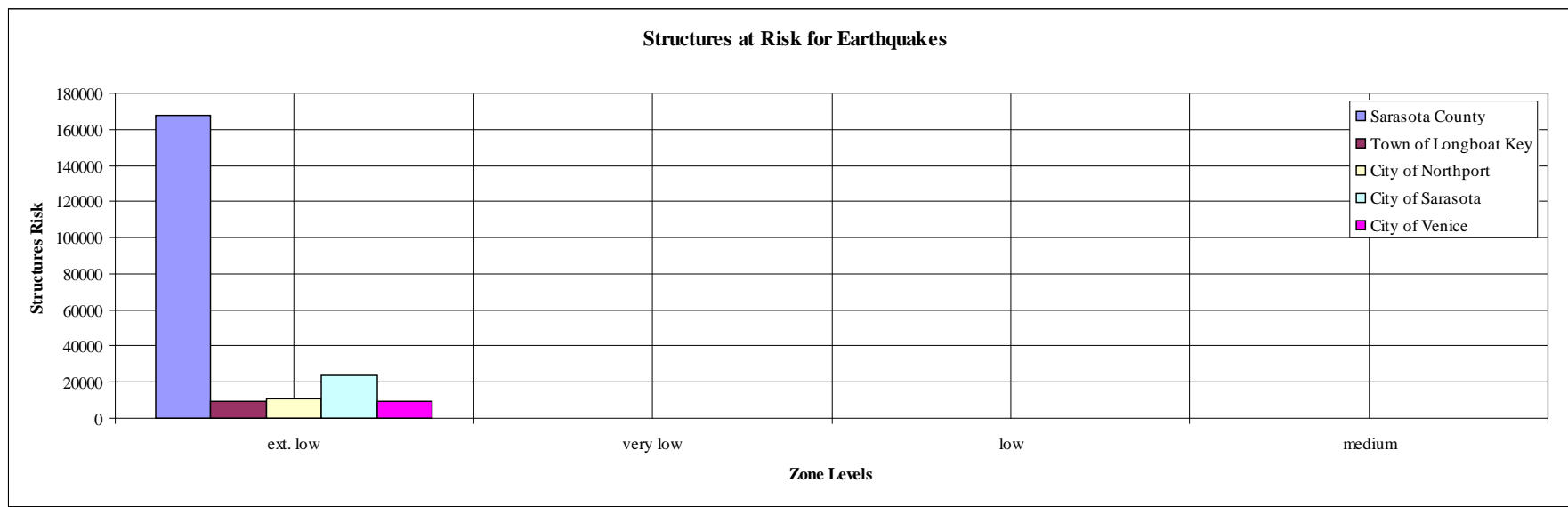
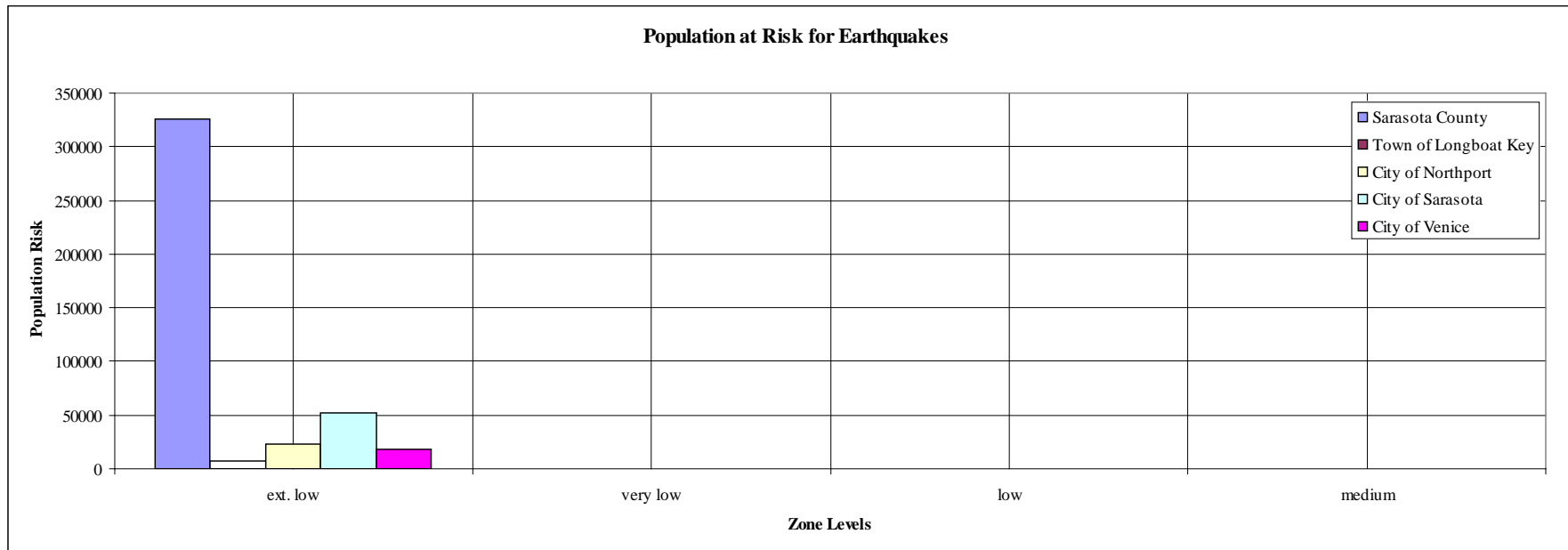
| Zone | Total | Minority | Over 65 | Disabled | Poverty | Lang Iso | Sing Pnt |
|----------|--------|----------|---------|----------|---------|----------|----------|
| ext. low | 227841 | 10052 | 72192 | 77154 | 13591 | 0 | 9601 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Structures at risk for USGS 50 Year Earthquake

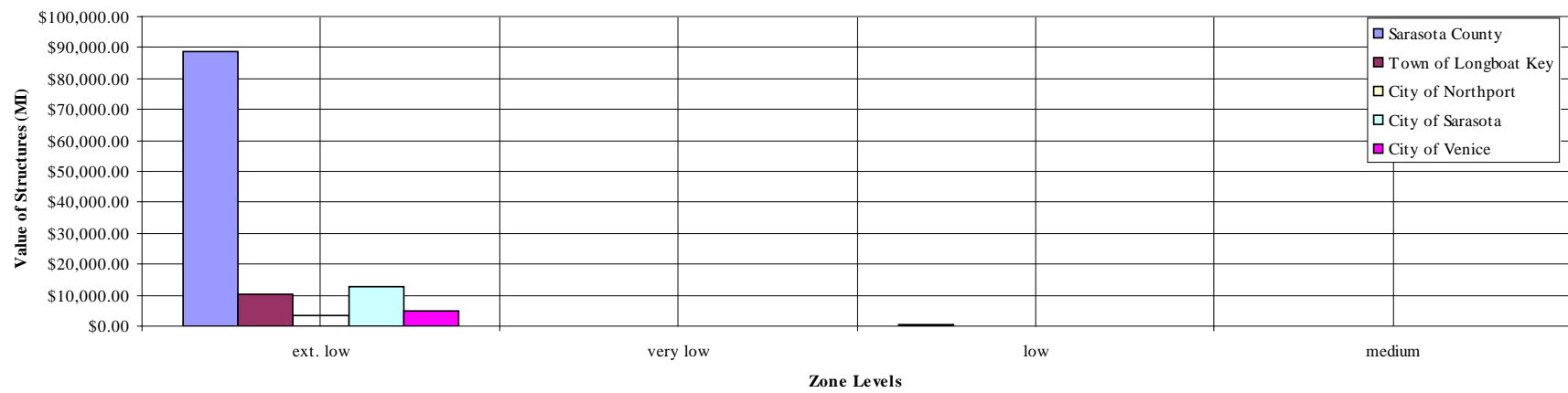
| Zone | Total | SF Res | Mob Home | MF Res | Commercial | Agriculture | Gov/Instit |
|----------|--------|--------|----------|--------|------------|-------------|------------|
| ext. low | 118209 | 71955 | 7909 | 31207 | 4251 | 1921 | 966 |
| very low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| low | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| medium | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Value of Structures by DOR Use for USGS 50 Year Earthquake

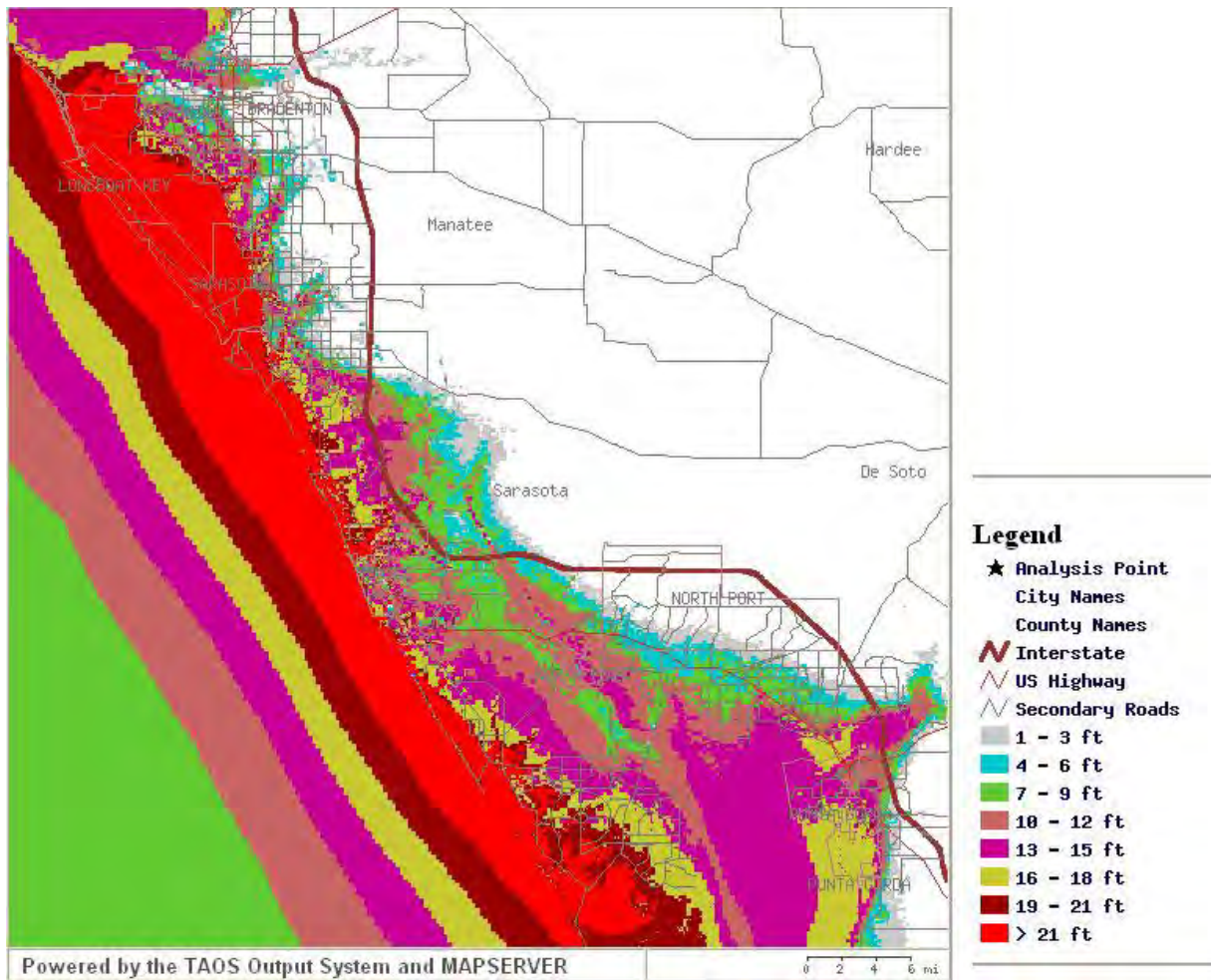
[illegible]



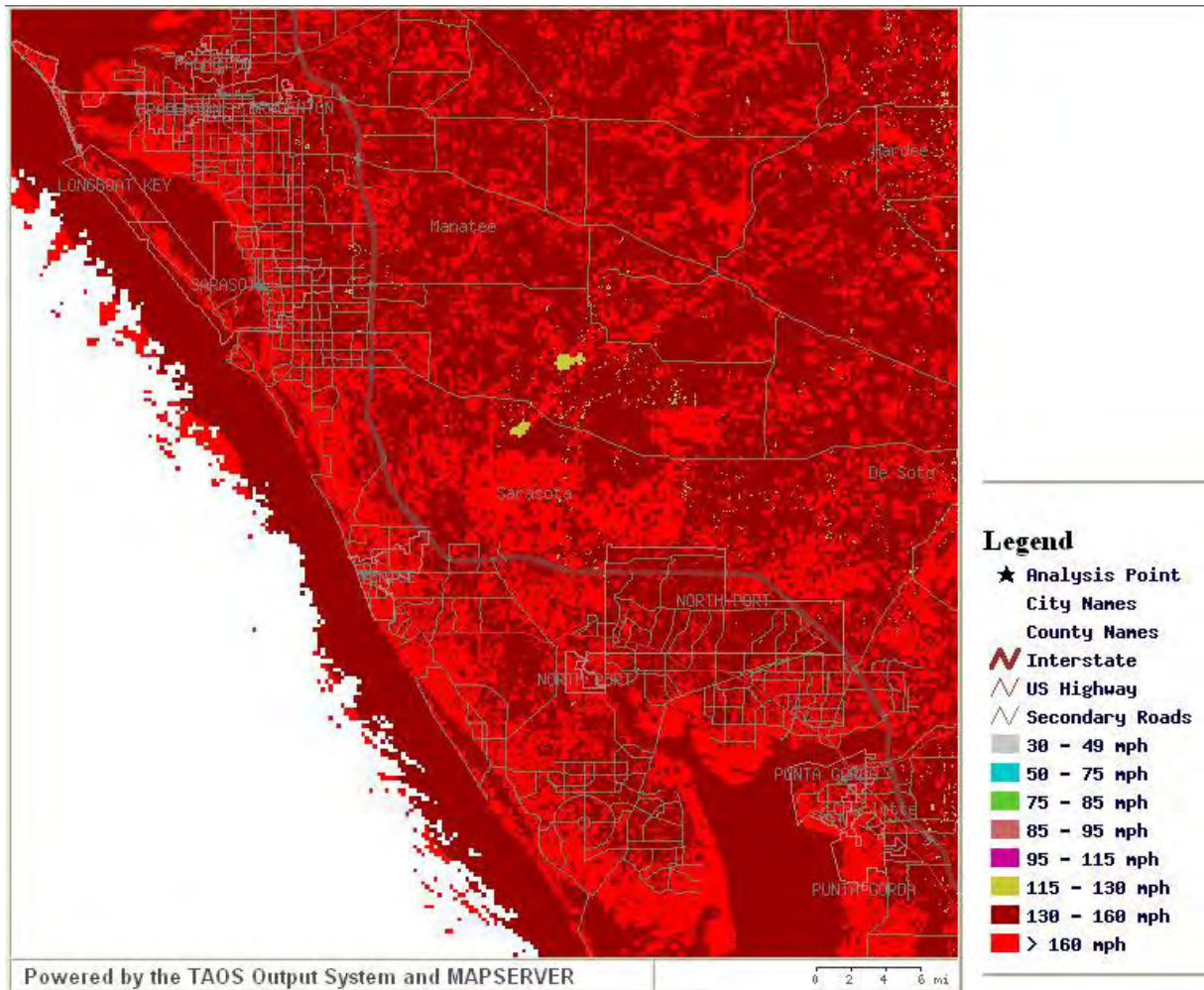
Value of Structures by DOR Use for Earthquakes



Category 5 Hurricane Hazards for Sarasota County



Category 5 Storm Surge



Category 5 Wind Risk

Category 5 Hurricane Hazards for Sarasota County

Impact Summary

Peak winds 193.mph, peak water depth 32.2ft.

Category 5 Maxima Damage Summary:

| | | |
|-------------------------------|------------------|----------------|
| Tax Parcel based Wind Damage: | \$ 58.90 Billion | |
| DOR based Flood Damage: | \$ 40.98 Billion | |
| DOR Structures in Flood Zone: | 127000 | |
| Census based Wind Damage: | \$ 56.66 Billion | |
| Census based Flood .Damage: | \$ 16.62 Billion | |
| | | 19.8% of total |
| Uninhabitable Housing Units: | 36200 | HU. |

Population at risk for Category 5 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|----------|--------|---------|----------|----------|---------|
| Total | 325957 | 325957 | 325957 | 325957 | 230030 |
| Minority | 23985 | 23985 | 23985 | 23985 | 18301 |
| Over 65 | 102477 | 102477 | 102477 | 102477 | 80861 |
| Disabled | 117986 | 117986 | 117986 | 117986 | 87787 |
| Poverty | 24817 | 24817 | 24817 | 24817 | 19255 |
| Lang Iso | 0 | 0 | 0 | 0 | 0 |
| Sing Pnt | 15092 | 15092 | 15092 | 15092 | 10669 |

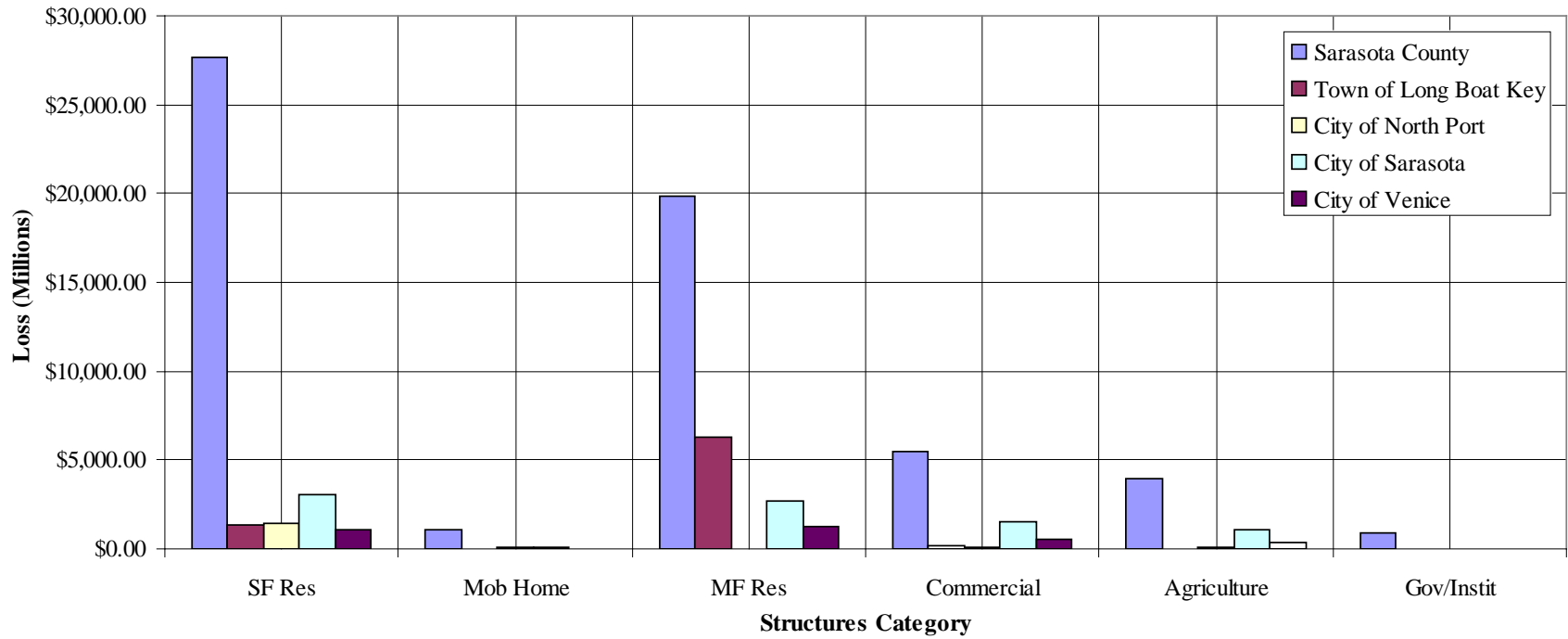
Structures at risk for Category 5 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|-------------|-------|---------|----------|----------|---------|
| SF Res | 99145 | 99145 | 99145 | 99145 | 69866 |
| Mob Home | 10119 | 10119 | 10119 | 10119 | 9635 |
| MF Res | 47217 | 47217 | 47217 | 47217 | 38999 |
| Commercial | 6865 | 6865 | 6865 | 6865 | 5708 |
| Agriculture | 1032 | 1032 | 1032 | 1032 | 410 |
| Gov/Instit | 3104 | 3104 | 3104 | 3104 | 2382 |

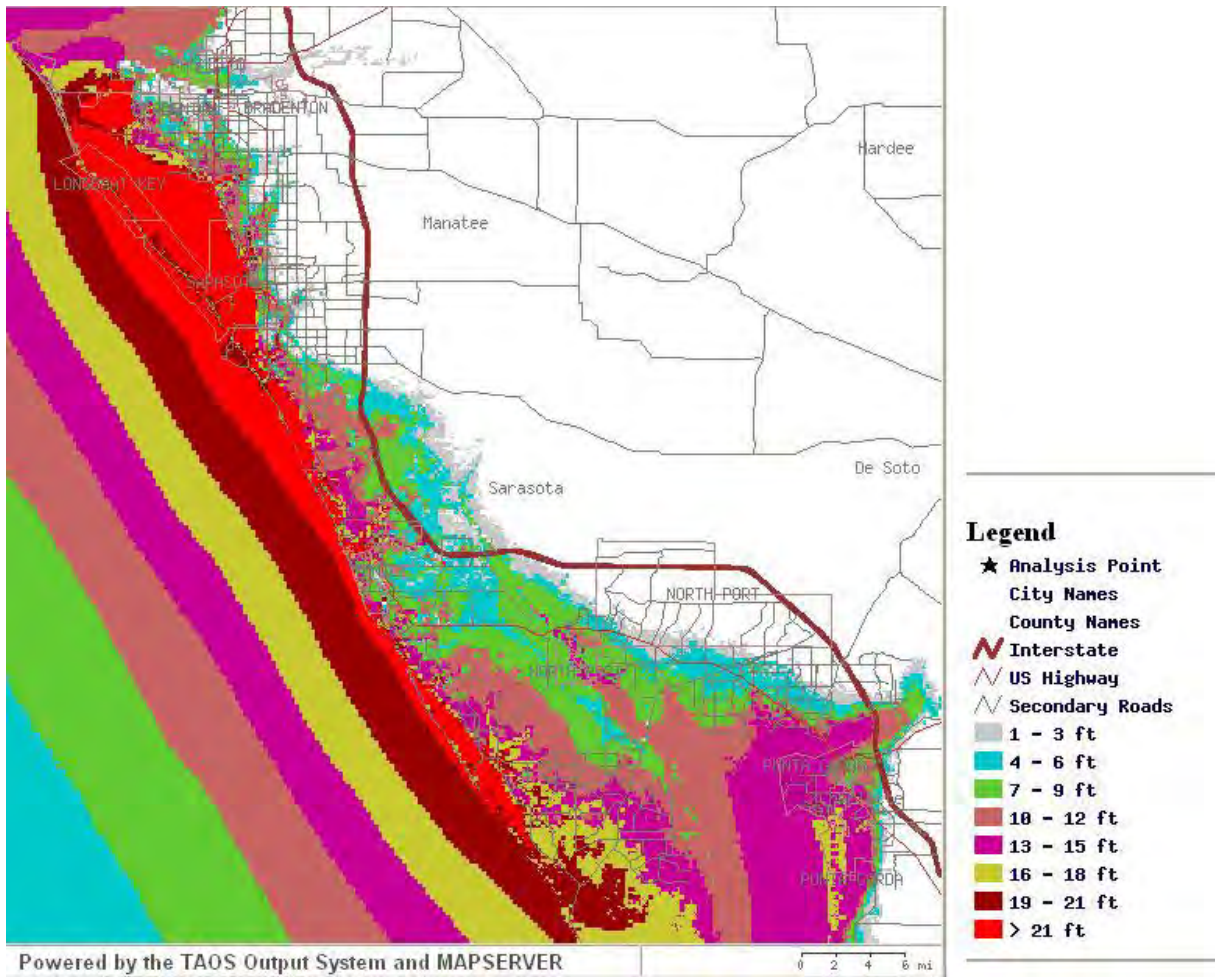
Loss by DOR Use for Category 5 Maxima

| | Exposure | Loss | | | Percent Loss |
|-------------|------------------|----------|---------|-------------|--------------|
| SF Res | \$ 43.30 Billion | \$27.68 | Billion | \$27,680.00 | 63.90% |
| Mob Home | \$ 1.06 Billion | \$1.06 | Billion | \$1,060.00 | 100.00% |
| MF Res | \$ 28.75 Billion | \$19.81 | Billion | \$19,810.00 | 68.90% |
| Commercial | \$ 8.27 Billion | \$5.49 | Billion | \$5,490.00 | 66.40% |
| Agriculture | \$ 5.77 Billion | \$3.95 | Billion | \$3,950.00 | 68.50% |
| Gov/Instit | \$ 1.49 Billion | \$903.63 | Million | \$903.63 | 60.70% |

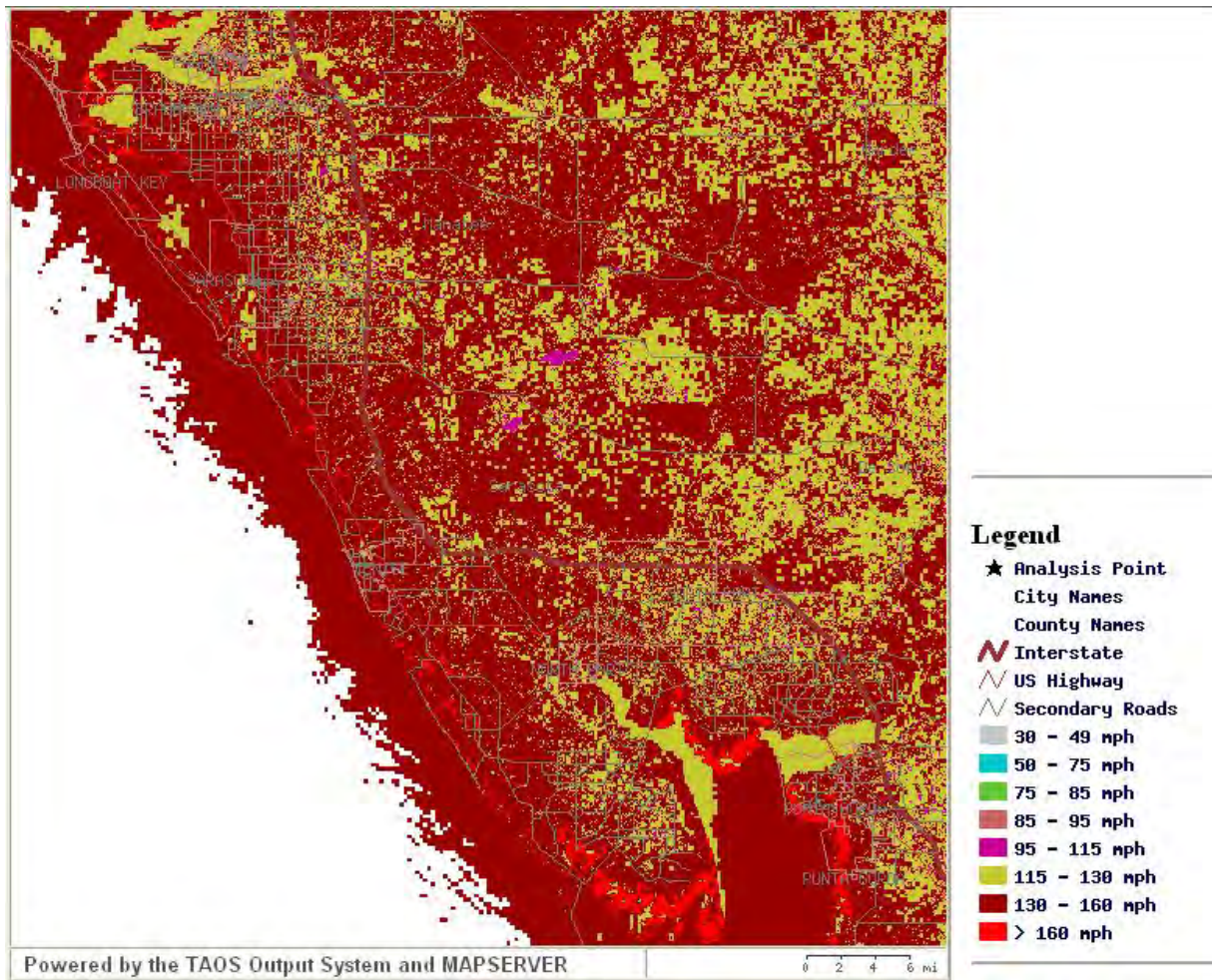
LOSS by DOR for Category 5 Hurricane



Category 4 Hurricane Hazards for Sarasota County



Category 4 Storm Surge



Category 4 Wind Risk

Category 4 Hurricane Hazards for Sarasota County

Impact Summary

Peak winds 166.mph, peak water depth 29.4ft

Category 4 Maxima Damage Summary:

| | | |
|-------------------------------|------------------|--------------------|
| Tax Parcel based Wind Damage: | \$ 33.57 Billion | |
| DOR based Flood Damage: | \$ 33.03 Billion | |
| DOR Structures in Flood Zone: | 114253 | |
| Census based Wind Damage: | \$ 32.90 Billion | |
| Census based Flood .Damage: | \$ 14.16 Billion | |
| Uninhabitable Housing Units: | 20541 | 11.3% of total HU. |

Population at risk for Category 4 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|----------|--------|---------|----------|----------|---------|
| Total | 325957 | 325957 | 325957 | 325957 | 202667 |
| Minority | 23985 | 23985 | 23985 | 23985 | 15296 |
| Over 65 | 102477 | 102477 | 102477 | 102477 | 74931 |
| Disabled | 117986 | 117986 | 117986 | 117986 | 77137 |
| Poverty | 24817 | 24817 | 24817 | 24817 | 16790 |
| Lang Iso | 0 | 0 | 0 | 0 | 0 |
| Sing Pnt | 15092 | 15092 | 15092 | 15092 | 8861 |

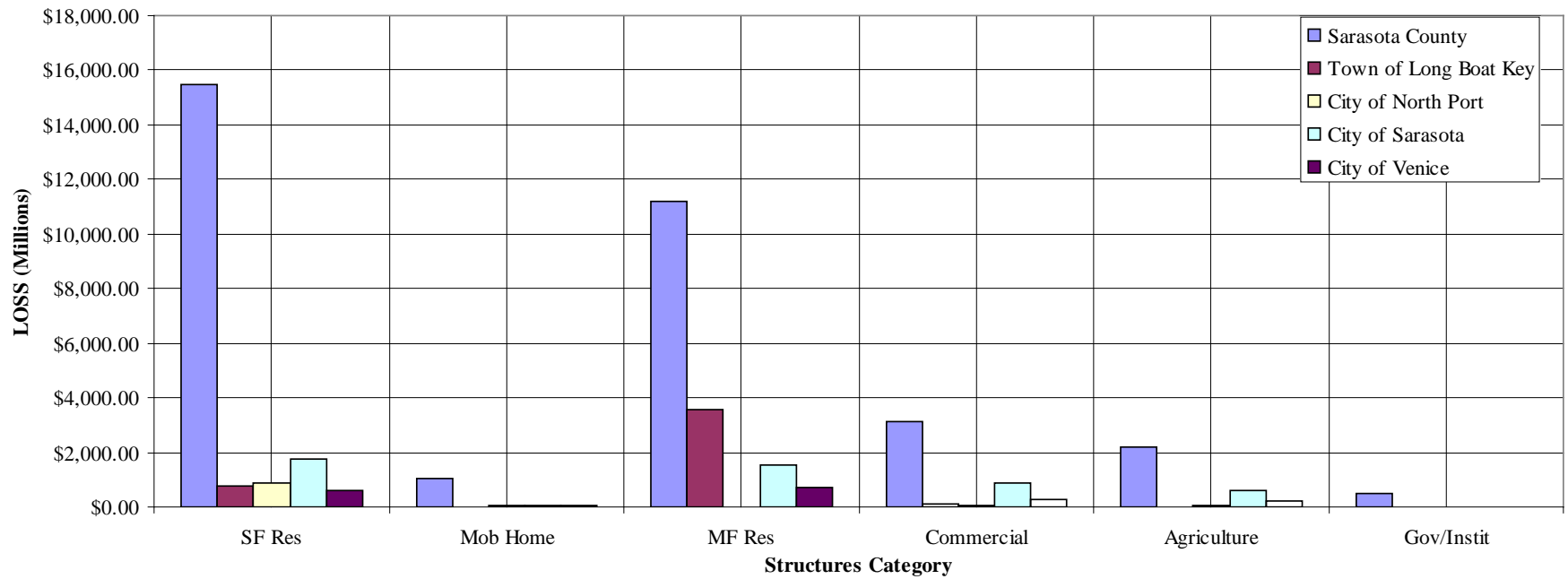
Structures at risk for Category 4 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|-------------|-------|---------|----------|----------|---------|
| SF Res | 99145 | 99145 | 99145 | 98740 | 61614 |
| Mob Home | 10119 | 10119 | 10119 | 10118 | 8682 |
| MF Res | 47217 | 47217 | 47217 | 46940 | 36486 |
| Commercial | 6865 | 6865 | 6865 | 6861 | 5056 |
| Agriculture | 1032 | 1032 | 1032 | 1026 | 367 |
| Gov/Instit | 3104 | 3104 | 3104 | 3099 | 2048 |

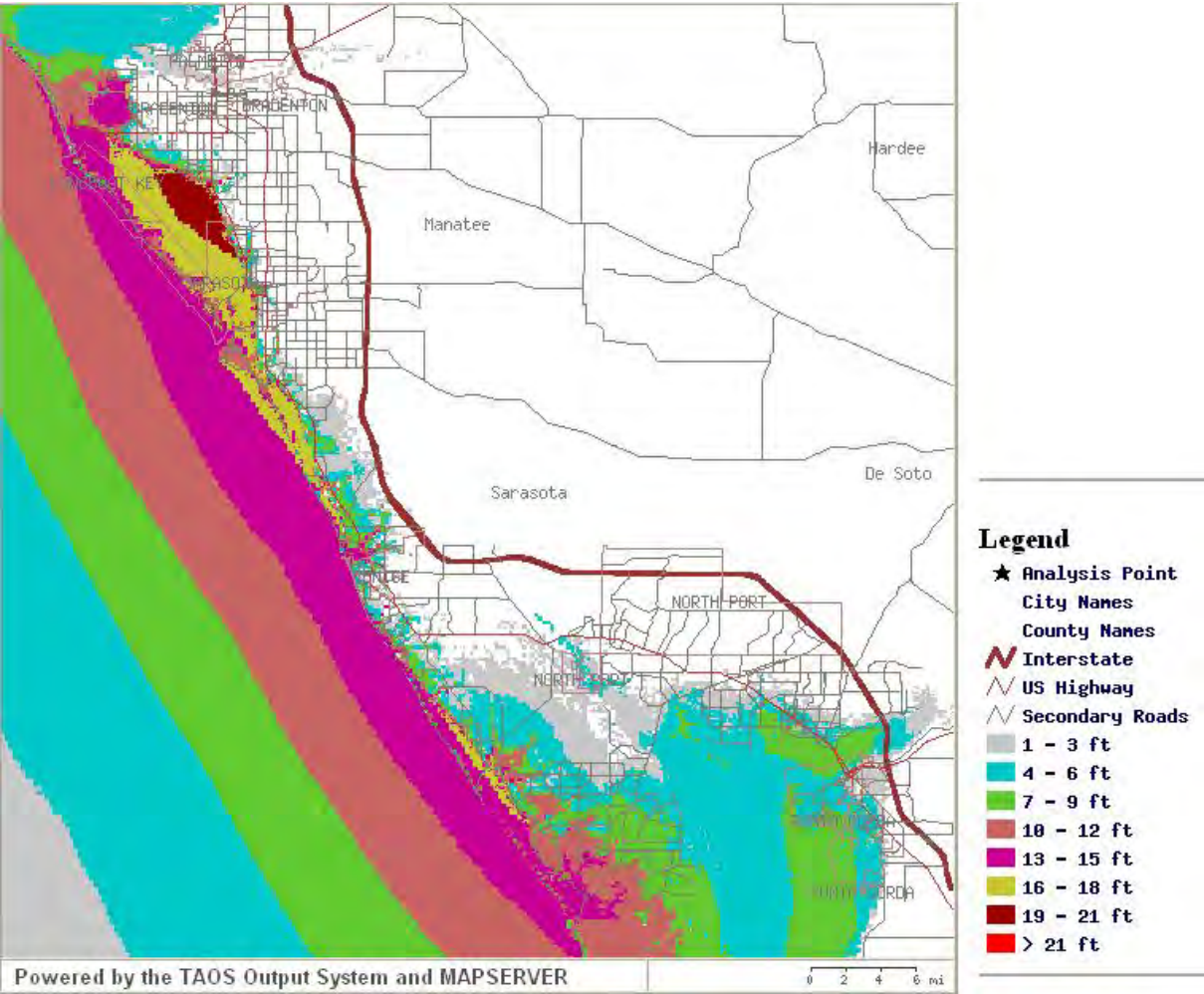
Loss by DOR Use for Category 4 Maxima

| | Exposure | Loss | | | Percent Loss |
|-------------|------------------|----------|---------|-------------|--------------|
| SF Res | \$ 43.30 Billion | \$15.50 | Billion | \$15,500.00 | 35.80% |
| Mob Home | \$ 1.06 Billion | \$1.02 | Billion | \$1,020.00 | 96.10% |
| MF Res | \$ 28.75 Billion | \$11.21 | Billion | \$11,210.00 | 39.00% |
| Commercial | \$ 8.27 Billion | \$3.13 | Billion | \$3,130.00 | 37.80% |
| Agriculture | \$ 5.77 Billion | \$2.22 | Billion | \$2,220.00 | 38.40% |
| Gov/Instit | \$ 1.49 Billion | \$494.84 | Million | \$494.84 | 33.30% |

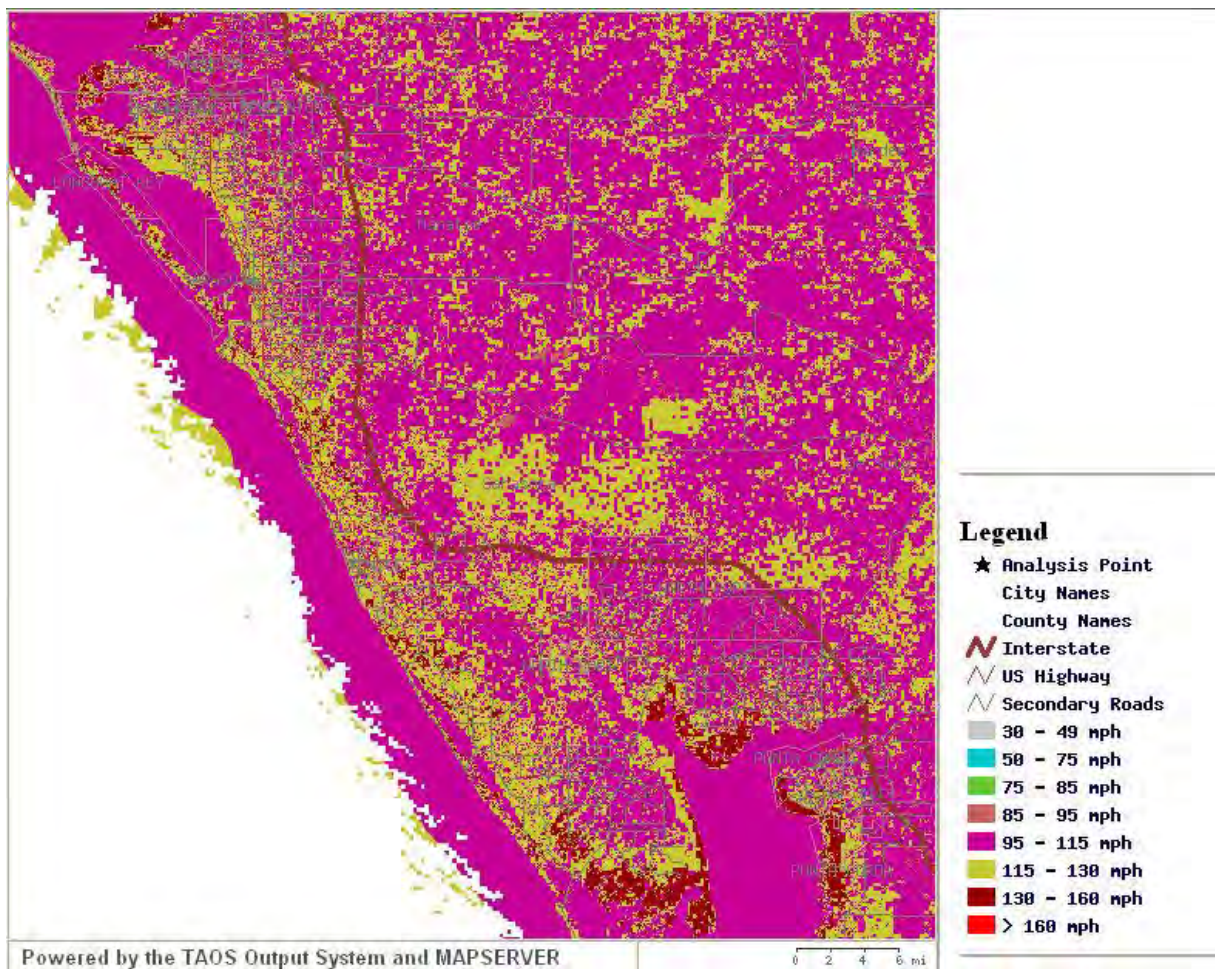
LOSS by DOR for Category 4 Hurricane



Category 3 Hurricane Hazards for Sarasota County



Category 3 Storm Surge



Category 3 Wind Risk

Category 3 Hurricane Hazards for Sarasota County

Impact Summary

Peak winds 140.mph, peak water depth 18.8ft.

Category 3 Maxima Damage Summary:

| | | |
|-------------------------------|------------------|-------------------|
| Tax Parcel based Wind Damage: | \$ 15.37 Billion | |
| DOR based Flood Damage: | \$ 13.87 Billion | |
| DOR Structures in Flood Zone: | 60679 | |
| Census based Wind Damage: | \$ 15.24 Billion | |
| Census based Flood .Damage: | \$ 7.49 Billion | |
| Uninhabitable Housing Units: | 9365 | 5.1% of total HU. |

Population at risk for Category 3 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|----------|--------|---------|----------|----------|---------|
| Total | 325957 | 325957 | 325957 | 165063 | 75793 |
| Minority | 23985 | 23985 | 23985 | 14187 | 4176 |
| Over 65 | 102477 | 102477 | 102477 | 54095 | 29340 |
| Disabled | 117986 | 117986 | 117986 | 60313 | 25938 |
| Poverty | 24817 | 24817 | 24817 | 13477 | 5430 |
| Lang Iso | 0 | 0 | 0 | 0 | 0 |
| Sing Pnt | 15092 | 15092 | 15092 | 7476 | 2647 |

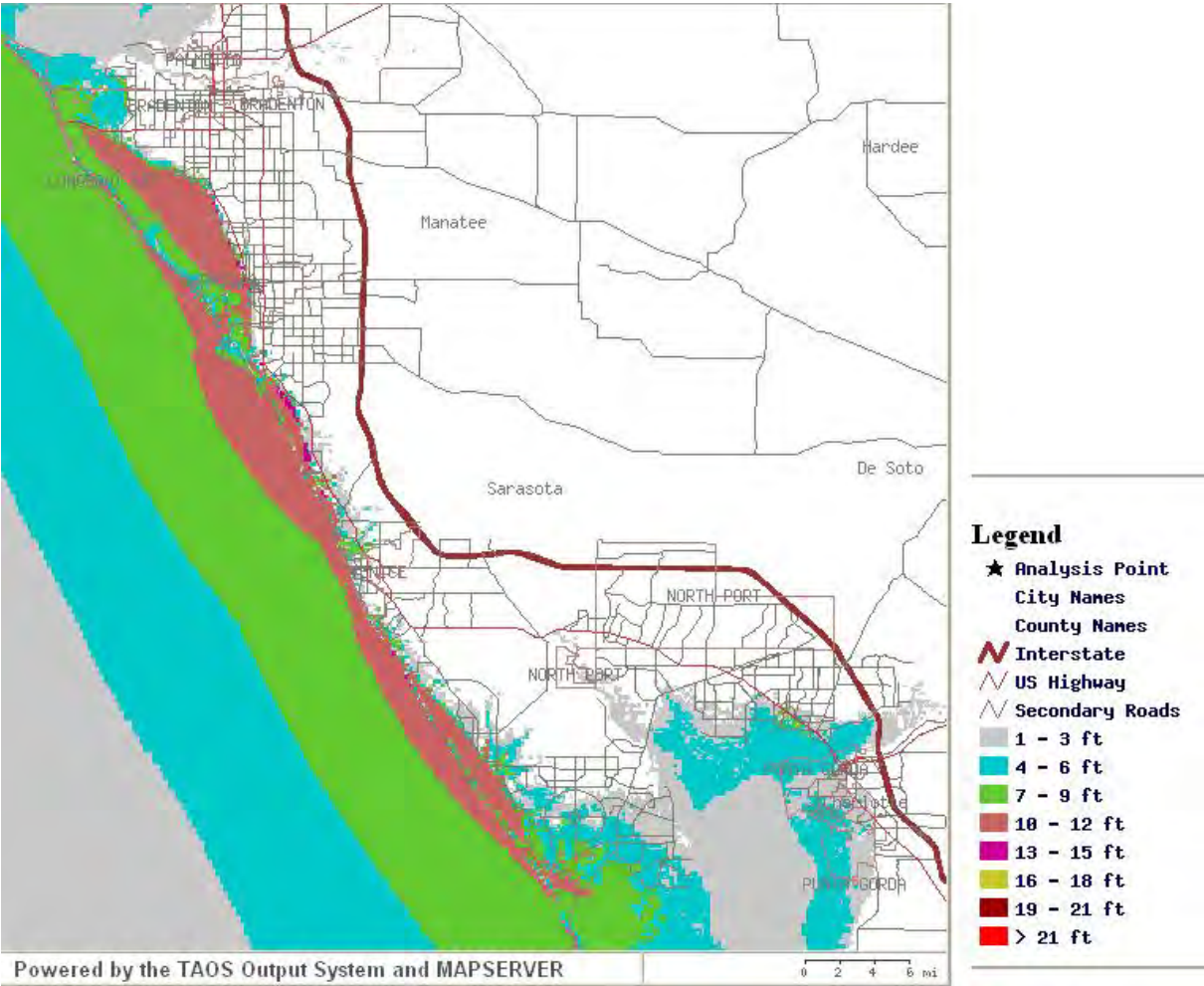
Structures at risk for Category 3 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|-------------|-------|---------|----------|----------|---------|
| SF Res | 99145 | 99145 | 99145 | 49725 | 28111 |
| Mob Home | 10119 | 10119 | 10119 | 5891 | 3455 |
| MF Res | 47217 | 47217 | 47217 | 28197 | 25039 |
| Commercial | 6865 | 6865 | 6865 | 4001 | 2849 |
| Agriculture | 1032 | 1032 | 1032 | 337 | 126 |
| Gov/Instit | 3104 | 3104 | 3104 | 1673 | 1099 |

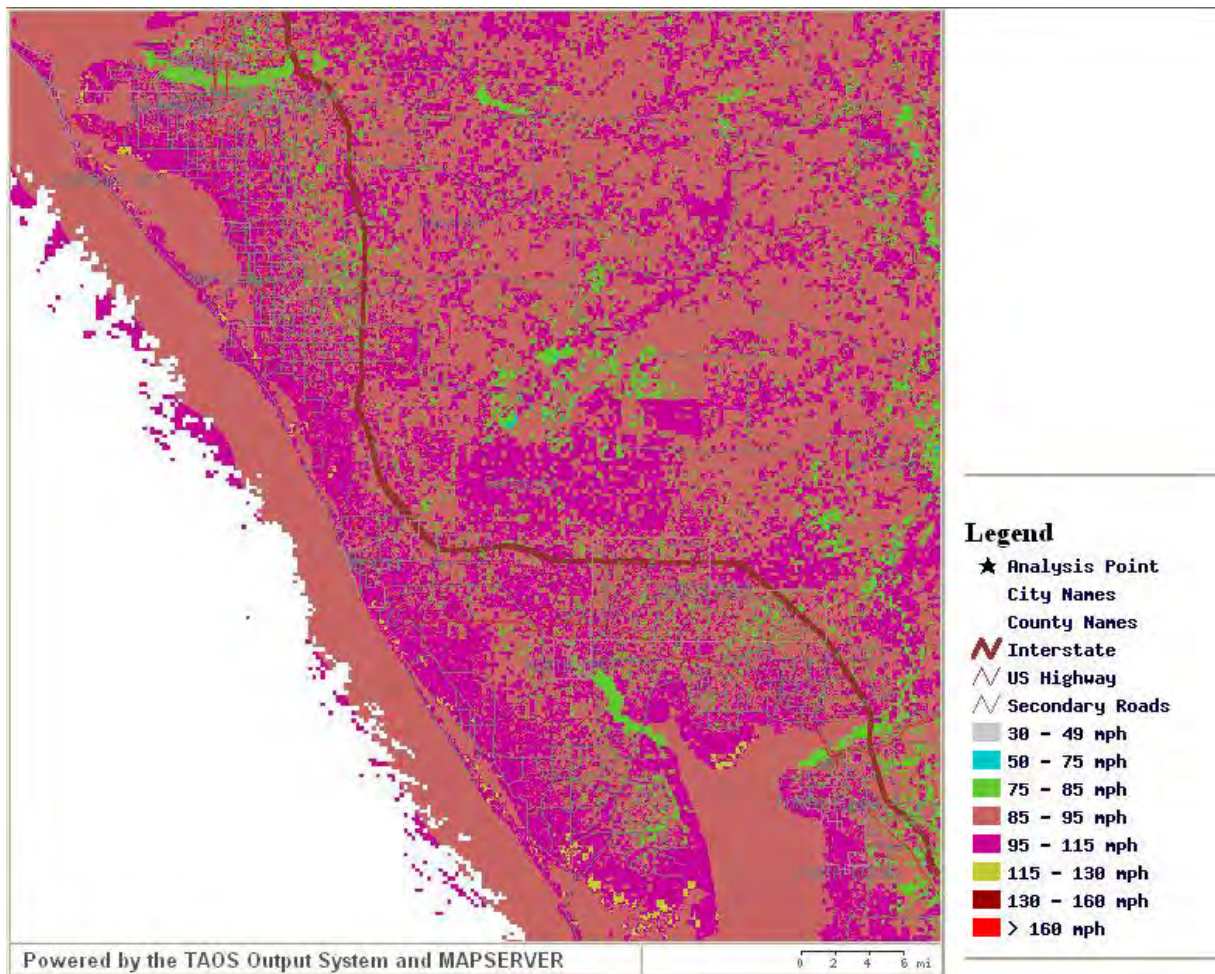
Loss by DOR Use for Category 3 Maxima

| | Exposure | Loss | | | Percent Loss |
|-------------|------------------|----------|---------|------------|--------------|
| SF Res | \$ 43.30 Billion | \$7.01 | Billion | \$7,010.00 | 16.20% |
| Mob Home | \$ 1.06 Billion | \$603.78 | Million | \$603.78 | 57.10% |
| MF Res | \$ 28.75 Billion | \$5.12 | Billion | \$5,120.00 | 17.80% |
| Commercial | \$ 8.27 Billion | \$1.43 | Billion | \$1,430.00 | 17.20% |
| Agriculture | \$ 5.77 Billion | \$998.17 | Million | \$998.17 | 17.30% |
| Gov/Instit | \$ 1.49 Billion | \$219.31 | Million | \$219.31 | 14.70% |

Category 2 Hurricane Hazards for Sarasota County



Category 2 Storm Surge



Category 2 Wind Risk

Category 2 Hurricane Hazards for Sarasota County

Impact Summary

Peak winds 116.mph, peak water depth 13.6ft

Category 2 Maxima Damage Summary:

| | | |
|-------------------------------|-----------------|------------------|
| Tax Parcel based Wind Damage: | \$ 6.66 Billion | |
| DOR based Flood Damage: | \$ 5.73 Billion | |
| DOR Structures in Flood Zone: | 35104 | |
| Census based Wind Damage: | \$ 6.63 Billion | |
| Census based Flood .Damage: | \$ 3.40 Billion | |
| Uninhabitable Housing Units: | 4046 | 2.2% of total HU |

Population at risk for Category 2 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|----------|--------|---------|----------|----------|---------|
| Total | 325957 | 325957 | 325957 | 1146 | 36072 |
| Minority | 23985 | 23985 | 23985 | 40 | 975 |
| Over 65 | 102477 | 102477 | 102477 | 523 | 15639 |
| Disabled | 117986 | 117986 | 117986 | 460 | 11101 |
| Poverty | 24817 | 24817 | 24817 | 58 | 2191 |
| Lang Iso | 0 | 0 | 0 | 0 | 0 |
| Sing Pnt | 15092 | 15092 | 15092 | 16 | 988 |

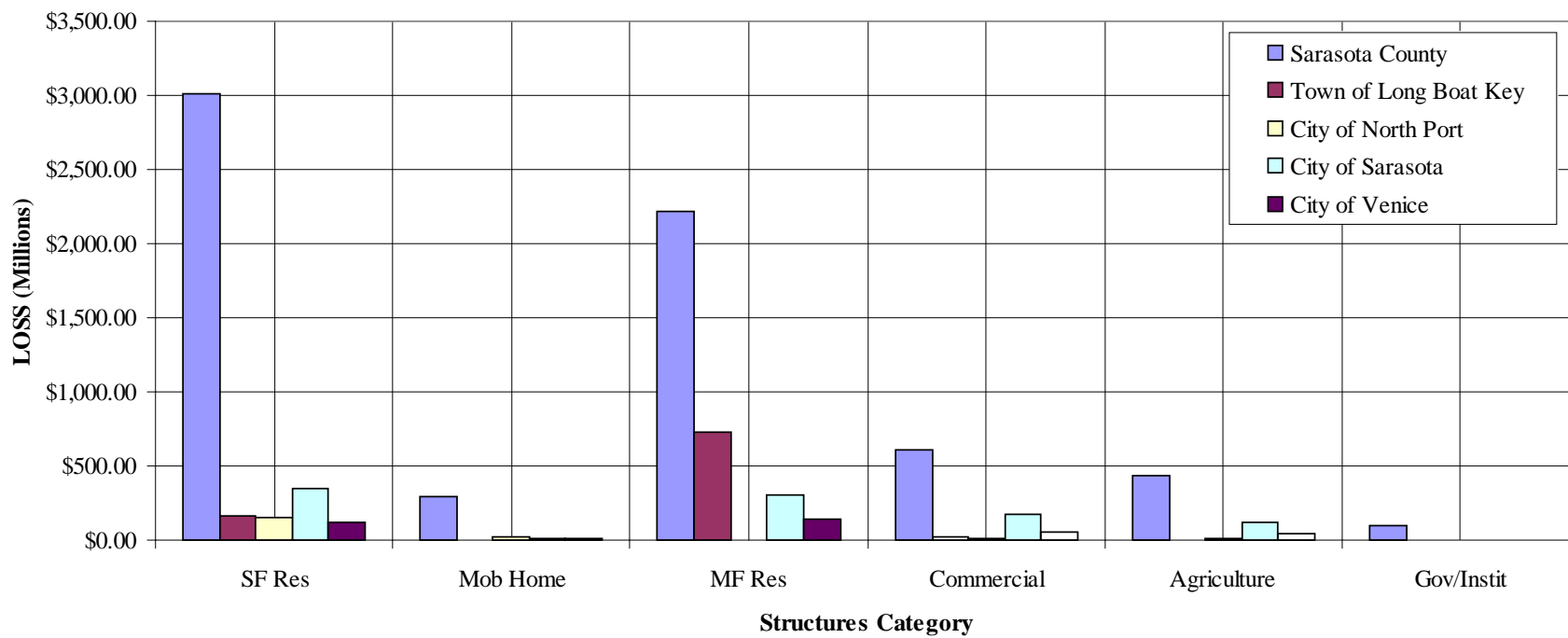
Structures at risk for Category 2 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|-------------|-------|---------|----------|----------|---------|
| SF Res | 99145 | 99145 | 99145 | 218 | 14589 |
| Mob Home | 10119 | 10119 | 10119 | 43 | 514 |
| MF Res | 47217 | 47217 | 47217 | 369 | 17938 |
| Commercial | 6865 | 6865 | 6865 | 10 | 1467 |
| Agriculture | 1032 | 1032 | 1032 | 0 | 66 |
| Gov/Instit | 3104 | 3104 | 3104 | 12 | 530 |

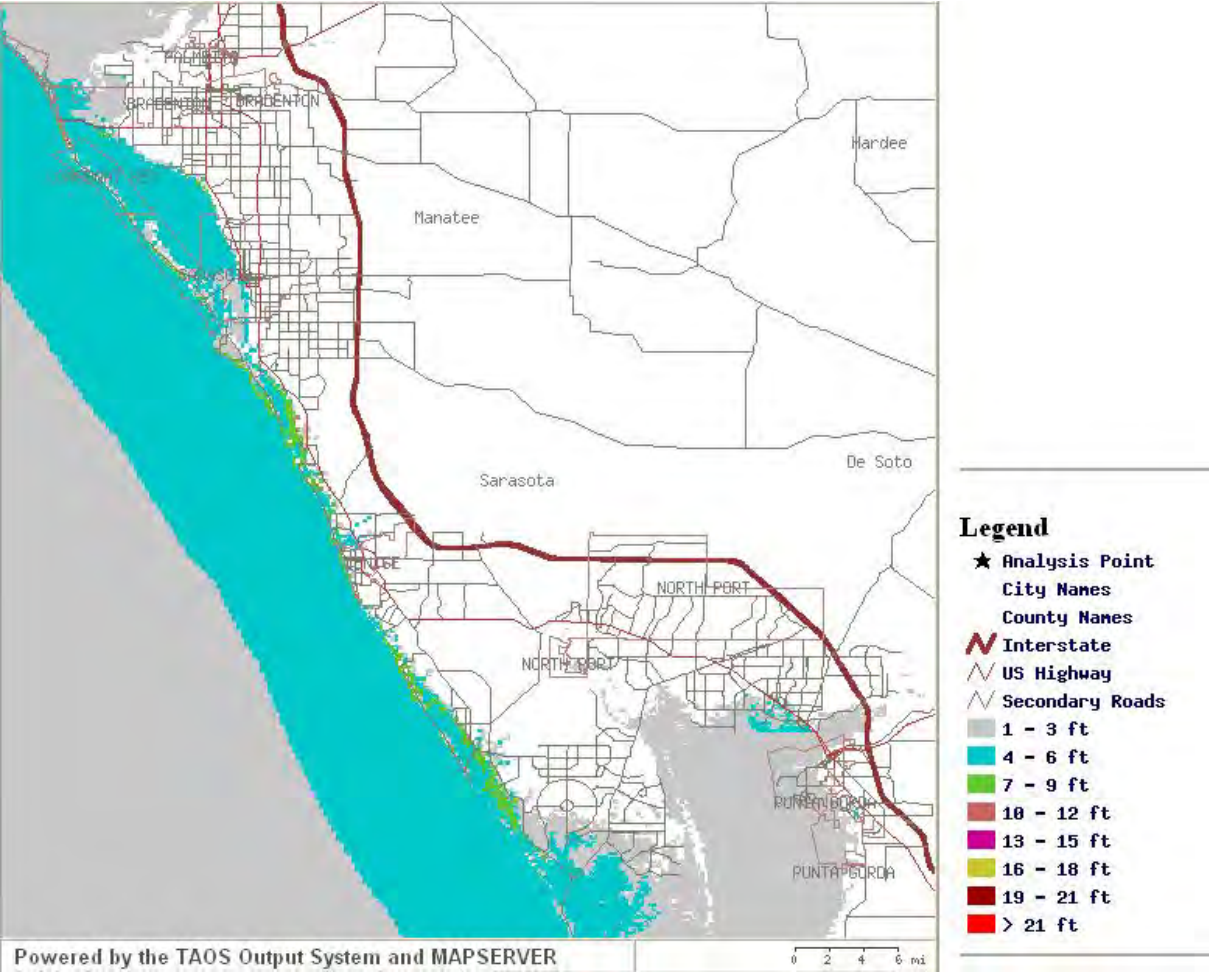
Loss by DOR Use for Category 2 Maxima

| | Exposure | Loss | | | Percent Loss |
|-------------|------------------|----------|---------|------------|--------------|
| SF Res | \$ 43.30 Billion | \$3.01 | Billion | \$3,010.00 | 6.90% |
| Mob Home | \$ 1.06 Billion | \$290.11 | Million | \$290.11 | 27.40% |
| MF Res | \$ 28.75 Billion | \$2.22 | Billion | \$2,220.00 | 7.70% |
| Commercial | \$ 8.27 Billion | \$606.55 | Million | \$606.55 | 7.30% |
| Agriculture | \$ 5.77 Billion | \$439.74 | Million | \$439.74 | 7.60% |
| Gov/Instit | \$ 1.49 Billion | \$93.63 | Million | \$93.63 | 6.30% |

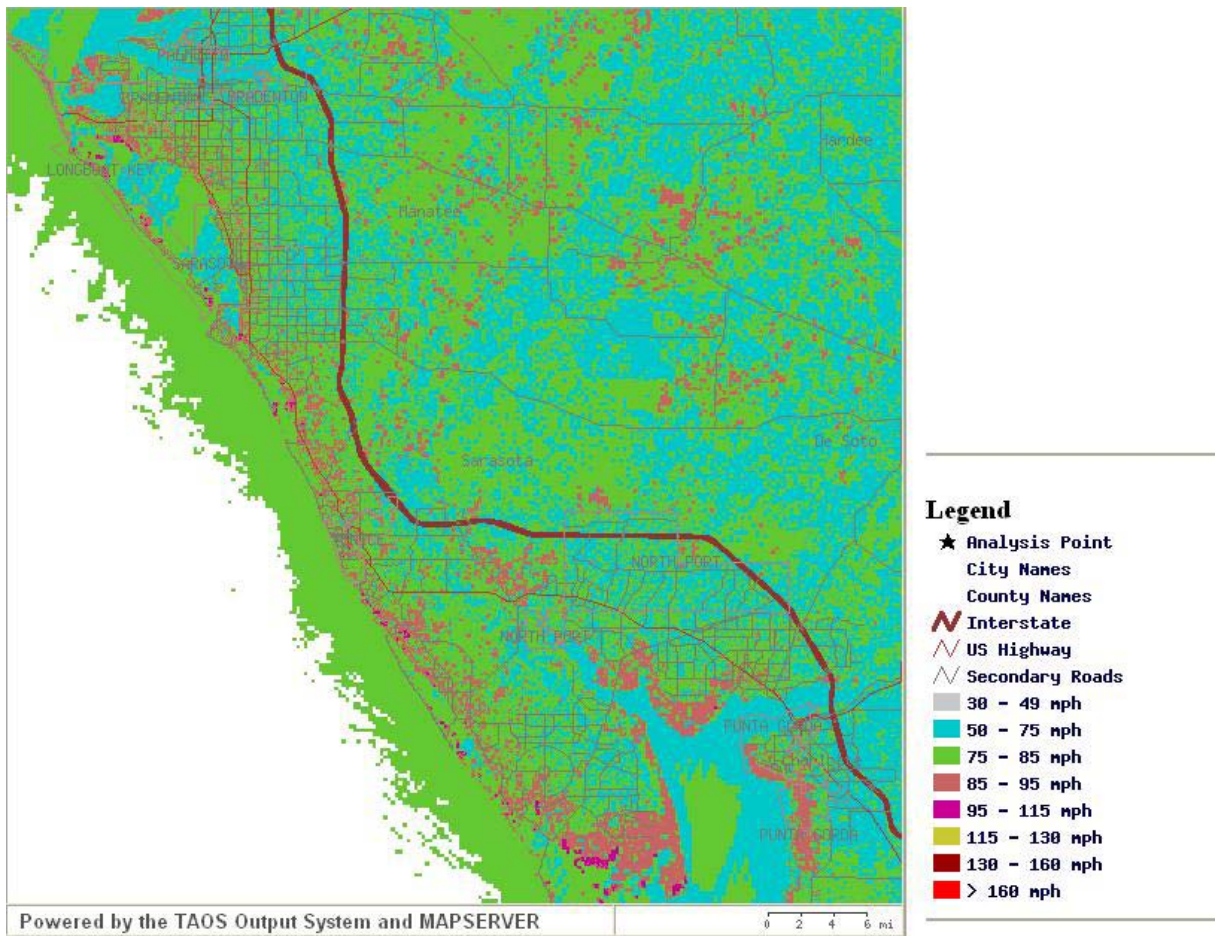
LOSS by DOR for Category 2 Hurricane



Category 1 Hurricane Hazards for Sarasota County



Category 1 Storm Surge



Category 1 Wind Risk

Category 1 Hurricane Hazards for Sarasota County

Impact Summary

Peak winds 96.mph, peak water depth 9.0ft.

Category 1 Maxima Damage Summary:

| | | |
|-------------------------------|-------------------|-------------------|
| Tax Parcel based Wind Damage: | \$ 2.26 Billion | |
| DOR based Flood Damage: | \$ 1.56 Billion | |
| DOR Structures in Flood Zone: | 15724 | |
| Census based Wind Damage: | \$ 2.29 Billion | |
| Census based Flood .Damage: | \$ 810.74 Million | |
| Uninhabitable Housing Units: | 1334 | 0.7% of total HU. |

Population at risk for Category 1 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|----------|--------|---------|----------|----------|---------|
| Total | 325957 | 325957 | 268213 | 0 | 13251 |
| Minority | 23985 | 23985 | 20208 | 0 | 286 |
| Over 65 | 102477 | 102477 | 87755 | 0 | 5817 |
| Disabled | 117986 | 117986 | 97821 | 0 | 4580 |
| Poverty | 24817 | 24817 | 20268 | 0 | 837 |
| Lang Iso | 0 | 0 | 0 | 0 | 0 |
| Sing Pnt | 15092 | 15092 | 12052 | 0 | 352 |

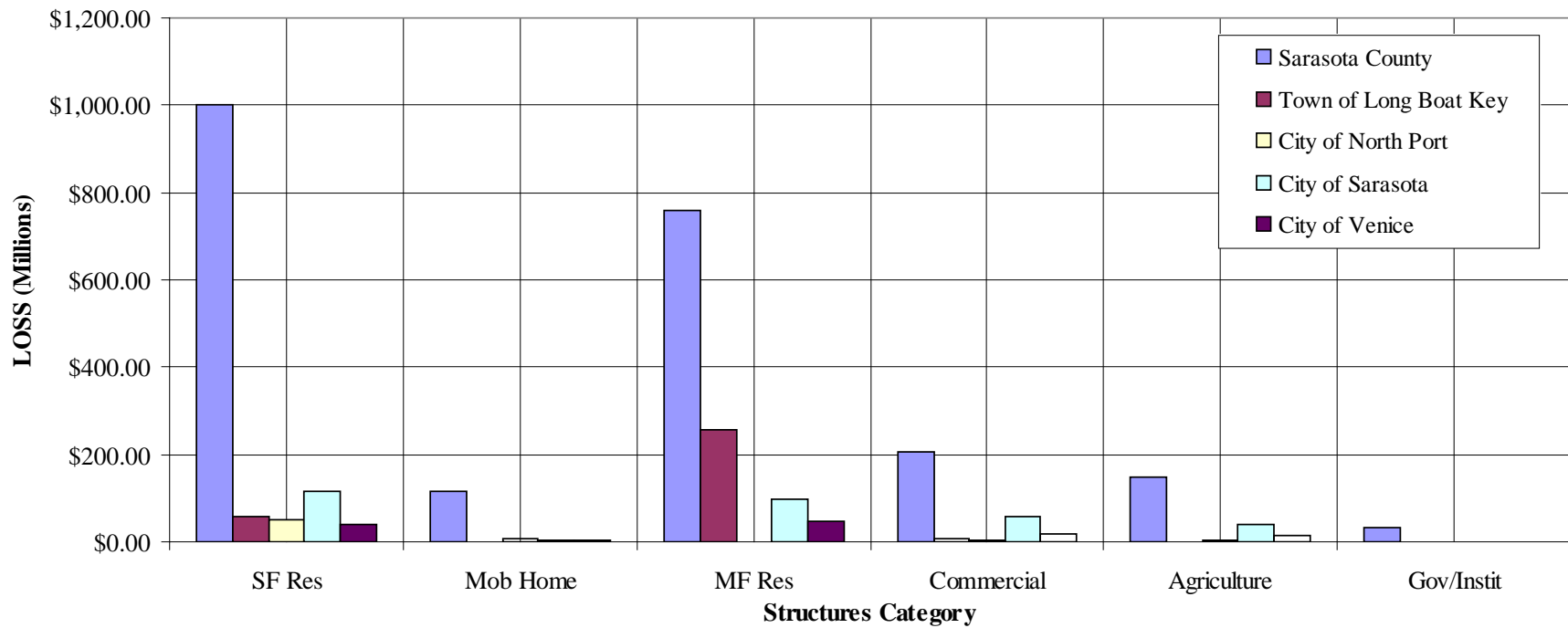
Structures at risk for Category 1 Maxima

| | Total | TS Wind | Hur Wind | Ext Wind | Flooded |
|-------------|-------|---------|----------|----------|---------|
| SF Res | 99145 | 99145 | 81435 | 0 | 6265 |
| Mob Home | 10119 | 10119 | 8988 | 0 | 179 |
| MF Res | 47217 | 47217 | 41375 | 0 | 8269 |
| Commercial | 6865 | 6865 | 6236 | 0 | 749 |
| Agriculture | 1032 | 1032 | 802 | 0 | 18 |
| Gov/Instit | 3104 | 3104 | 2695 | 0 | 244 |

Loss by DOR Use for Category 1 Maxima

| | Exposure | Loss | | | Percent Loss |
|-------------|------------------|----------|---------|------------|--------------|
| SF Res | \$ 43.30 Billion | \$1.00 | Billion | \$1,000.00 | 2.30% |
| Mob Home | \$ 1.06 Billion | \$114.72 | Million | \$114.72 | 10.80% |
| MF Res | \$ 28.75 Billion | \$759.41 | Million | \$759.41 | 2.60% |
| Commercial | \$ 8.27 Billion | \$205.62 | Million | \$205.62 | 2.50% |
| Agriculture | \$ 5.77 Billion | \$147.59 | Million | \$147.59 | 2.60% |
| Gov/Instit | \$ 1.49 Billion | \$31.58 | Million | \$31.58 | 2.10% |

LOSS by DOR for Category 1 Hurricane



LMS-Appendix I

| EVENT_ID | CZ_NAME | BEGIN_LO | BEGIN_DA | BEGIN_TI | EVENT_TY | MAGNITU | TOR_F_SC | DEATHS_D | INJURIES_I | DAMAGE_ | DAMAGE_I | STATE_AB | CZ_TIMEZ | MAGNITU | EPISODE_I | CZ_TYPE | CZ_FIPS | WFO | INJURIES_I | DEATHS_I | SOURCE | FLOOD_C | TOR_LEN | TOR_WIDT | BEGIN_RA | BEGIN_AZ | END_RAN | END_AZ | END_LOCA | BEGIN_LA1 | BEGIN_LOI | END_LAT | END_LON | EVENT_NA | EPISODE_I | ABSOLUTE_ROWNUMBER |
|----------|----------|----------|----------|-----------|----------|---------|----------|----------|------------|---------|----------|----------|----------|---------|-----------|---------|---------|-----|------------|----------|--------|---------|---------|----------|----------|----------|---------|--------|----------|-----------|-----------|---------|---------|----------|-----------|--------------------|
| 9985760 | SARASOTA | ##### | 1700 | Tornado | 0 F2 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 2 | 77 | 0 | 0 | | | 27.1 | -82.48 | | | | | 1 | | |
| 9991509 | SARASOTA | ##### | 1555 | Tornado | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 33 | 0 | 0 | | | 27.13 | -82.3 | | | | | 2 | | |
| 9984943 | SARASOTA | ##### | 230 | Tornado | 0 F1 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0.3 | 17 | 0 | 0 | | | 27.17 | -82.5 | | | | | 3 | | |
| 9984947 | SARASOTA | ##### | 445 | Tornado | 0 F1 | 0 | 0 | 1 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 33 | 0 | 0 | | | 27.3 | -82.53 | | | | | 4 | | |
| 9986113 | SARASOTA | ##### | 1100 | Thunderst | 62 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 27.1 | -82.4 | | | | | 5 | | |
| 9986423 | SARASOTA | ##### | 1510 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 27.28 | -82.5 | | | | | 6 | | |
| 9986434 | SARASOTA | ##### | 1426 | Thunderst | 60 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 27.28 | -82.5 | | | | | 7 | | |
| 10001492 | SARASOTA | ##### | 1155 | Tornado | 0 F2 | 0 | 0 | 2 | 250000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 4.1 | 100 | | 0 | 0 | 0 | 0 | 0 | | 27.1 | -82.45 | 27.13 | -82.4 | | | 8 | | |
| 10001493 | SARASOTA | ##### | 1210 | Tornado | 0 F1 | 0 | 0 | 0 | 250000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 8.7 | 33 | | 0 | 0 | 0 | 0 | 0 | | 27.48 | -82.7 | 27.6 | -82.65 | | | 9 | | |
| 10001510 | SARASOTA | ##### | 1110 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 27.28 | -82.5 | | | | | 10 | | |
| 10001511 | SARASOTA | ##### | 1136 | Tornado | 0 F2 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 17 | 0 | 0 | 0 | | 26.97 | -82.37 | | | | | 11 | | |
| 10001532 | SARASOTA | ##### | 1150 | Hail | 1.75 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 27.28 | -82.4 | | | | | 12 | | |
| 9998107 | SARASOTA | ##### | 1930 | Thunderst | 61 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 27.28 | -82.5 | | | | | 13 | | |
| 9998137 | SARASOTA | ##### | 1645 | Tornado | 0 F2 | 0 | 0 | 0 | 2500 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 33 | 0 | 0 | 0 | | 27.35 | -82.52 | | | | | 14 | | |
| 9999368 | SARASOTA | 2/3/1970 | 635 | Tornado | 0 F2 | 0 | 0 | 0 | 250000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 33 | 0 | 0 | 0 | 0 | | 27.07 | -82.43 | | | | | 15 | |
| 9998681 | SARASOTA | ##### | 1845 | Tornado | 0 F1 | 0 | 0 | 0 | 2500 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 33 | 0 | 0 | 0 | 0 | | 27.17 | -82.5 | | | | | 16 | |
| 9998722 | SARASOTA | ##### | 1245 | Tornado | 0 F1 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 1 | 33 | | 0 | 33 | 0 | 0 | 0 | 0 | | 27.5 | -82.5 | | | | | 17 | |
| 9998723 | SARASOTA | ##### | 1245 | Tornado | 0 F1 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 1 | 33 | | 0 | 33 | 0 | 0 | 0 | 0 | | 27.5 | -82.5 | | | | | 18 | |
| 9999830 | SARASOTA | 3/3/1971 | 1320 | Tornado | 0 F1 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.5 | 33 | | 0 | 33 | 0 | 0 | 0 | 0 | | 27.3 | -82.5 | | | | | 19 | |
| 9999840 | SARASOTA | 3/3/1971 | 1520 | Tornado | 0 F1 | 0 | 0 | 0 | 2500 | 0 FL | CST | | C | 115 | 0 | 0 | | | 1 | 17 | | 0 | 17 | 0 | 0 | 0 | 0 | | 27.3 | -82.5 | | | | | 20 | |
| 10000461 | SARASOTA | 7/6/1971 | 1800 | Tornado | 0 F1 | 0 | 0 | 0 | 250 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.3 | 20 | | 0 | 20 | 0 | 0 | 0 | 0 | | 26.97 | -82.37 | | | | | 21 | |
| 10000489 | SARASOTA | ##### | 1650 | Tornado | 0 F1 | 0 | 0 | 0 | 250 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.3 | 20 | | 0 | 20 | 0 | 0 | 0 | 0 | | 27.33 | -82.52 | | | | | 22 | |
| 10001333 | SARASOTA | ##### | 913 | Tornado | 0 F0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.3 | 20 | | 0 | 20 | 0 | 0 | 0 | 0 | | 27.25 | -82.52 | | | | | 23 | |
| 10001550 | SARASOTA | ##### | 900 | Tornado | 0 F1 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 6.4 | 100 | | 0 | 100 | 0 | 0 | 0 | 0 | | 27.1 | -82.45 | 27.03 | -82.38 | | | 24 | |
| 10001551 | SARASOTA | ##### | 1000 | Tornado | 0 F2 | 0 | 0 | 3 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 4.9 | 100 | | 0 | 100 | 0 | 0 | 0 | 0 | | 27.13 | -82.47 | 27.18 | -82.42 | | | 25 | |
| 10001553 | SARASOTA | ##### | 1100 | Tornado | 0 F2 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 5.9 | 50 | | 0 | 50 | 0 | 0 | 0 | 0 | | 27.12 | -82.38 | 27.15 | -82.3 | | | 26 | |
| 10001554 | SARASOTA | ##### | 1245 | Tornado | 0 F2 | 0 | 0 | 5 | 250000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 7.3 | 100 | | 0 | 100 | 0 | 0 | 0 | 0 | | 27.02 | -82.17 | 27.02 | -82.05 | | | 27 | |
| 9998260 | SARASOTA | ##### | 1515 | Tornado | 0 F0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.3 | 10 | | 0 | 10 | 0 | 0 | 0 | 0 | | 27.33 | -82.5 | | | | | 28 | |
| 9999423 | SARASOTA | 4/7/1973 | 2301 | Tornado | 0 F0 | 0 | 0 | 0 | 250 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.2 | 20 | | 0 | 20 | 0 | 0 | 0 | 0 | | 27.4 | -82.53 | | | | | 29 | |
| 10000525 | SARASOTA | ##### | 1412 | Tornado | 0 F1 | 0 | 0 | 0 | 2500000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.5 | 67 | | 0 | 67 | 0 | 0 | 0 | 0 | | 27.1 | -82.45 | | | | | 30 | |
| 10000528 | SARASOTA | ##### | 1245 | Hail | 0.75 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 27.35 | -82.53 | | | | | 31 | |
| 10000535 | SARASOTA | ##### | 1400 | Thunderst | 50 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 27.35 | -82.53 | | | | | 32 | |
| 10001616 | SARASOTA | ##### | 1600 | Thunderst | 55 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 33 | |
| 9998334 | SARASOTA | ##### | 1735 | Tornado | 0 F0 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.5 | 10 | | 0 | 10 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 34 | |
| 9998380 | SARASOTA | ##### | 1310 | Tornado | 0 F0 | 0 | 0 | 0 | 250 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.1 | 10 | | 0 | 10 | 0 | 0 | 0 | 0 | | 26.95 | -82.35 | | | | | 35 | |
| 10001701 | SARASOTA | 8/8/1975 | 1600 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 36 | |
| 10001705 | SARASOTA | 8/9/1975 | 1630 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 37 | |
| 10001716 | SARASOTA | ##### | 1615 | Tornado | 0 F1 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.1 | 30 | | 0 | 30 | 0 | 0 | 0 | 0 | | 27.33 | -82.42 | | | | | 38 | |
| 10000681 | SARASOTA | ##### | 1230 | Tornado | 0 F0 | 0 | 0 | 0 | 25000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.3 | 10 | | 0 | 10 | 0 | 0 | 0 | 0 | | 27.1 | -82.45 | | | | | 39 | |
| 10000697 | SARASOTA | ##### | 1750 | Tornado | 0 F0 | 0 | 0 | 0 | 2500 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.1 | 20 | | 0 | 20 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 40 | |
| 10001767 | SARASOTA | ##### | 1200 | Hail | 1.75 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 41 | |
| 9998470 | SARASOTA | ##### | 1702 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 NG | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 42 | |
| 9999607 | SARASOTA | ##### | 1545 | Tornado | 0 F1 | 0 | 0 | 0 | 250000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 1 | 50 | | 0 | 50 | 0 | 0 | 0 | 0 | | 27.12 | -82.45 | | | | | 43 | |
| 9998974 | SARASOTA | 5/4/1978 | 1200 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 ONE | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 44 |
| 9998981 | SARASOTA | 5/4/1978 | 1400 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 ATA | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 27.1 | -82.45 | | | | | 45 |
| 9998993 | SARASOTA | ##### | 1520 | Tornado | 0 F0 | 0 | 0 | 0 | 2500 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.1 | 10 | | 0 | 10 | 0 | 0 | 0 | 0 | | 27.1 | -82.45 | | | | | 46 | |
| 10000099 | SARASOTA | ##### | 1240 | Tornado | 0 F0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 | 0 | 0 | | | 2.3 | 10 | | 0 | 10 | 0 | 0 | 0 | 0 | | 27.37 | -82.38 | 27.38 | -82.4 | | | 47 | |
| 10000114 | SARASOTA | ##### | 1345 | Tornado | 0 F1 | 0 | 0 | 1 | 250000 | 0 FL | CST | | C | 115 | 0 | 0 | | | 0.4 | 20 | | 0 | 20 | 0 | 0 | 0 | 0 | | 27.28 | -82.53 | | | | | 48 | |
| 9998314 | SARASOTA | 4/7/1980 | 1330 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 ATA | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 27.33 | -82.53 | | | | | 49 |
| 9999689 | SARASOTA | ##### | 1530 | Thunderst | 0 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 ATA | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 27.17 | -82.28 | | | | | 50 |
| 10000828 | SARASOTA | ##### | 1745 | Thunderst | 52 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 T | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 27.4 | -82.55 | | | | | 51 |
| 10000832 | SARASOTA | ##### | 1806 | Thunderst | 63 | 0 | 0 | 0 | 0 | 0 FL | CST | | C | 115 S | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 27.4 | -82.55 | | | | | 52 |
| 10001923 | SARASOTA | ##### | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-------------------------------|----------|-----------------|------|---|---|--------|---|----|-----|-----------|---------|---|---|-----|------|------|----------|--------|--|-------|--------|-------|--------|--|-----------------------|---------------------------|-----|
| 9999039 | SARASOTA | 7/1/1990 | 1205 Tornado | 0 F0 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0.2 | 10 | 0 | 0 | 27.1 | -82.45 | 85 | | | | | | | |
| 9999079 | SARASOTA | ##### | 1520 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.33 | -82.53 | 86 | | | | | | | | |
| 9999083 | SARASOTA | ##### | 1300 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 26.98 | -82.33 | 87 | | | | | | | | |
| 9998390 | SARASOTA | ##### | 830 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.1 | -82.45 | 88 | | | | | | | | |
| 9998394 | SARASOTA | ##### | 1515 Tornado | 0 F1 | 0 | 0 | 25000 | 0 | FL | CST | C | 115 | 0 | 0 | 1 | 10 | 0 | 27.22 | -82.4 | 89 | | | | | | | | |
| 9998421 | SARASOTA | ##### | 1350 Hail | 1.25 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.1 | -82.45 | 90 | | | | | | | | |
| 9999540 | SARASOTA | ##### | 1425 Thunderst | 52 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.1 | -82.45 | 91 | | | | | | | | |
| 10000145 | SARASOTA | ##### | 2246 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.33 | -82.48 | 92 | | | | | | | | |
| 10001282 | SARASOTA | ##### | 1400 Hail | 0.75 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.2 | -82.53 | 93 | | | | | | | | |
| 10001309 | SARASOTA | ##### | 1240 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.33 | -82.47 | 94 | | | | | | | | |
| 10001327 | SARASOTA | ##### | 1630 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 26.98 | -82.33 | 95 | | | | | | | | |
| 10001329 | SARASOTA | ##### | 1520 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.28 | -82.53 | 96 | | | | | | | | |
| 9999114 | SARASOTA | ##### | 1430 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.02 | -82.33 | 97 | | | | | | | | |
| 9999154 | SARASOTA | 8/6/1991 | 1733 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.17 | -82.53 | 98 | | | | | | | | |
| 9999158 | SARASOTA | 8/6/1991 | 1833 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.2 | -82.5 | 99 | | | | | | | | |
| 10000240 | SARASOTA | 9/7/1991 | 1730 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 26.98 | -82.33 | 100 | | | | | | | | |
| 10000242 | SARASOTA | 9/7/1991 | 1815 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.1 | -82.45 | 101 | | | | | | | | |
| 10000247 | SARASOTA | ##### | 1532 Tornado | 0 F0 | 0 | 0 | 25000 | 0 | FL | EST | C | 115 | 0 | 0 | 0.2 | 10 | 0 | 26.98 | -82.33 | 102 | | | | | | | | |
| 10000265 | SARASOTA | 2/5/1992 | 436 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | PST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.33 | -82.53 | 103 | | | | | | | | |
| 10161857 | SARASOTA | 2/5/1992 | 1620 Hail | 0.88 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.17 | -82.28 | 104 | | | | | | | | |
| 10000272 | SARASOTA | 2/5/1992 | 1625 Tornado | 0 F0 | 0 | 0 | 250 | 0 | FL | EST | C | 115 | 0 | 0 | 0.2 | 10 | 0 | 27.28 | -82.53 | 105 | | | | | | | | |
| 10000274 | SARASOTA | 2/5/1992 | 1650 Thunderst | 52 | 0 | 0 | 0 | 0 | FL | PST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.17 | -82.28 | 106 | | | | | | | | |
| 10000275 | SARASOTA | 2/5/1992 | 1733 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | PST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.33 | -82.53 | 107 | | | | | | | | |
| 9997822 | SARASOTA | ##### | 1637 Tornado | 0 F0 | 0 | 0 | 250 | 0 | FL | EST | C | 115 | 0 | 0 | 0.1 | 10 | 0 | 26.98 | -82.33 | 108 | | | | | | | | |
| 9997833 | SARASOTA | ##### | 906 Tornado | 0 F0 | 0 | 0 | 2500 | 0 | FL | EST | C | 115 | 0 | 0 | 0.1 | 10 | 0 | 27.12 | -82.45 | 109 | | | | | | | | |
| 9997882 | SARASOTA | ##### | 1508 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | PST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.33 | -82.53 | 110 | | | | | | | | |
| 10154709 | SARASOTA | 8/6/1992 | 1510 Hail | 0.75 | 0 | 0 | 0 | 0 | FL | CST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.17 | -82.28 | 111 | | | | | | | | |
| 10001360 | SARASOTA | 9/1/1992 | 1550 Tornado | 0 F0 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0.1 | 10 | 0 | 27.22 | -82.47 | 112 | | | | | | | | |
| 10001372 | SARASOTA | ##### | 1615 Thunderst | 52 | 0 | 0 | 0 | 0 | FL | PST | C | 115 TBW | 0 | 0 | 0 | 0 | 0 | 27.1 | -82.45 | 113 | | | | | | | | |
| 10319797 | SARASOTA Sarasota | ##### | 600 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | 114 | | | | | | | | |
| 10319798 | SARASOTA Old Myakk | ##### | 1645 Hail | 1 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Strong thunderstorm 'Quarter-size hail fell. | 115 | | | | | | | |
| 10319799 | SARASOTA Sarasota | ##### | 20 Thunderst | 51 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | A wind gust to 59 mph | 116 | | | | | | | |
| 10319800 | SARASOTA Fruitville | ##### | 47 Thunderst | 0 | 0 | 0 | 5000 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Strong winds blew a tree | 117 | | | | | | | |
| 10319801 | SARASOTA | ##### | 210 Thunderst | 71 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | A storm spotter reported | 118 | | | | | | | |
| 10319802 | SARASOTA Manasota | 4/5/1993 | 130 Tornado | 0 F0 | 0 | 0 | 5000 | 0 | FL | EST | C | 115 | 0 | 0 | 0.5 | 200 | 0 | 26.98 | -82.32 | A small tornado which | 119 | | | | | | | |
| 10319803 | SARASOTA Venice | 4/5/1993 | 132 Tornado | 0 F0 | 0 | 0 | 50000 | 0 | FL | EST | C | 115 | 0 | 0 | 0.5 | 200 | 0 | 27.1 | -82.45 | A brief touchdown of | 120 | | | | | | | |
| 10319822 | SARASOTA North Port | 4/5/1993 | 135 Tornado | 0 F0 | 0 | 0 | 50000 | 0 | FL | EST | C | 115 | 0 | 0 | 0.5 | 100 | 0 | 27 | -82.07 | Four houses received | 121 | | | | | | | |
| 10319823 | SARASOTA North Venice | ##### | 1510 Thunderst | 69 | 0 | 0 | 50000 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Strong thunderstorm 'Quarter-size hail fell. | 122 | | | | | | | |
| 10319824 | SARASOTA Sarasota | 8/9/1993 | 1550 Hail | 1 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Marble-size hail fell. | 123 | | | | | | | |
| 10319825 | SARASOTA Longboat Key | 8/9/1993 | 1637 Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | A small tornado touched | 124 | | | | | | | |
| 10319826 | SARASOTA Sarasota | ##### | 1518 Tornado | 0 F0 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0.1 | 10 | 0 | 27.33 | -82.53 | Quarter-size hail fell. | 125 | | | | | | | |
| 10319827 | SARASOTA Nakomis | ##### | 1527 Hail | 1 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Marble-size hail fell. | 126 | | | | | | | |
| 10319828 | SARASOTA Sarasota | ##### | 1855 Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Strong thunderstorm 'Strong wind gusts damaged | 127 | | | | | | | |
| 10319829 | SARASOTA | ##### | 800 Thunderst | 0 | 0 | 0 | 50000 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Public reported golf ball | 128 | | | | | | | |
| 10319830 | SARASOTA South Port | 1/3/1994 | 1250 Thunderst | 0 | 0 | 0 | 500 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Thunderstorm winds caused | 129 | | | | | | | |
| 10319831 | SARASOTA Englewood | ##### | 1820 Hail | 1.75 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | A waterspout moved | 130 | | | | | | | |
| 10319832 | SARASOTA Osprey | ##### | 1915 Thunderst | 0 | 0 | 0 | 500000 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | A tree was blown down | 131 | | | | | | | |
| 10319833 | SARASOTA TPA | ##### | 1605 Tornado | 0 F0 | 0 | 0 | 50000 | 0 | FL | EST | C | 115 | 0 | 0 | 0.1 | 10 | 38 S | | | Two trees and power lines | 132 | | | | | | | |
| 10319834 | SARASOTA Warm Mineral Springs | 8/1/1994 | 1602 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Thunderstorm winds lashed | 133 | | | | | | | |
| 10319835 | SARASOTA Gulf Gate | 8/1/1994 | 1604 Thunderst | 0 | 0 | 0 | 5000 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Golf ball-size hail reported | 134 | | | | | | | |
| 10319836 | SARASOTA | 8/2/1994 | 1643 Thunderst | 0 | 0 | 0 | 500 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | A tree was blown over | 135 | | | | | | | |
| 10319837 | SARASOTA | ##### | 1430 Hail | 1.75 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Heavy rain caused urban | 136 | | | | | | | |
| 10319838 | SARASOTA | ##### | 1546 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | A tornado touched down | 137 | | | | | | | |
| 10319839 | SARASOTA | ##### | 1623 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Nickel-size hail was reported | 138 | | | | | | | |
| 10319868 | SARASOTA Sarasota | ##### | 1045 Tornado | 0 F0 | 0 | 0 | 50000 | 0 | FL | EST | C | 115 | 0 | 0 | 0.1 | 10 | 0 | 27.33 | -82.53 | Severe thunderstorm | 139 | | | | | | | |
| 10319869 | SARASOTA E Coral Gables | ##### | 1040 Hail | 0.88 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | 39 S | TPA | Thunderstorm winds caused | 140 | | | | | | | |
| 10319870 | SARASOTA Sarasota | ##### | 1920 Thunderst | 0 | 0 | 0 | 5000 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Thunderstorm winds caused | 141 | | | | | | | |
| 10319871 | SARASOTA Sarasota | ##### | 1559 Thunderst | 0 | 0 | 0 | 1000 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 8 SE | | | Trees and power lines | 142 | | | | | | | |
| 10319872 | SARASOTA Sarasota | ##### | 1559 Thunderst | 0 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 8 SE | 13 SSE | SRQ | Dime-size hail reported | 143 | | | | | | | |
| 10319873 | SARASOTA W Sarasota | ##### | 1805 Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Golf ball-size hail fell | 144 | | | | | | | |
| 10319874 | SARASOTA Venice | ##### | 1810 Hail | 1.75 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 5 NW | | | A 79 mph wind gust was | 145 | | | | | | | |
| 10319875 | SARASOTA Englewood | ##### | 1635 Thunderst | 69 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | A 67 mph wind gust was | 146 | | | | | | | |
| 10319876 | SARASOTA S Venice | ##### | 1700 Thunderst | 58 | 0 | 0 | 0 | 0 | FL | EST | C | 115 | 0 | 0 | 0 | 0 | 0 | | | Downburst | 147 | | | | | | | |
| 5574245 | SARASOTA SARASOTA | ##### | 1441 Thunderst | | 0 | 0 | 10000 | 0 | FL | EST | 2050116 C | 115 TBW | 0 | 0 | | | | SARASOTA | | | 27.33 | -82.53 | 27.33 | -82.53 | | 148 | | |
| 5571038 | SARASOTA SARASOTA | 7/6/1996 | 1445 Waterspout | | 0 | 0 | 0 | 0 | FL | EST | 2051378 C | 115 TBW | 0 | 0 | | 11 W | 11 W | SARASOTA | | | | | | | | A short-lived tornado | 149 | |
| 5571049 | SARASOTA VENICE | ##### | 1600 Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | 2051389 C | 115 TBW | 0 | 0 | | 3 N | 3 N | VENICE | | | 27.15 | -82.45 | 27.15 | -82.45 | | | 150 | |
| 5571051 | SARASOTA VENICE | ##### | 1600 Thunderst | 66 | 0 | 0 | 20000 | 0 | FL | EST | 2051391 C | 115 TBW | 0 | 0 | | | | VENICE | | | 27.1 | -82.45 | 27.1 | -82.45 | | | Thunderstorm winds caused | 151 |
| 5571050 | SARASOTA VENICE | ##### | 1600 Thunderst | | 0 | 0 | 10000 | 0 | FL | EST | 2051390 C | 115 TBW | 0 | 0 | | 3 N | 3 N | VENICE | | | 27.15 | -82.45 | 27.15 | -82.45 | | | Thunderstorm winds caused | 152 |
| 5571718 | SARASOTA SARASOTA | 8/5/1996 | 1540 Hail | 0.88 | 0 | 0 | 0 | 0 | FL | EST | 2052429 C | 115 TBW | 0 | 0 | | | | SARASOTA | | | 27.33 | -82.53 | 27.33 | -82.53 | | | | 153 |
| 5571719 | SARASOTA SARASOTA | 8/5/1996 | 1545 Lightning | | 0 | 1 | 0 | 0 | FL | EST | 2052430 C | 115 TBW | 0 | 0 | | | | SARASOTA | | | | | | | | A 22 year old tree | 154 | |
| 5571895 | SARASOTA VENICE | ##### | 1435 Heavy Rain | | 0 | 0 | 2000 | 0 | FL | EST | 2052462 C | 115 TBW | 0 | 0 | | | | VENICE | | | | | | | | Heavy rain | 155 | |
| 5571897 | SARASOTA VENICE | ##### | 1530 Thunderst | 52 | 0 | 0 | 0 | 0 | FL | EST | 2052464 C | 115 TBW | 0 | 0 | | | | VENICE | | | 27.1 | -82.45 | 27.1 | -82.45 | | | A 60 mph wind gust | 156 |
| 5571898 | SARASOTA VENICE | ##### | 1545 Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | 2052465 C | 115 TBW | 0 | 0 | | | | VENICE | | | 27.1 | -82.45 | 27.1 | -82.45 | | | | 157 |
| 5571899 | SARASOTA VENICE | ##### | 1554 Tornado | F0 | 0 | 0 | 0 | 0 | FL | EST | 2052466 C | 115 TBW | 0 | 0 | 0.2 | 5 | 2 E | 2 E | VENICE | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--------------------|----------|------|-------------|------|---|---|---------|------|-----|---------|---|-----|-----|---|---|-----------|-----|-----|----|-----|----------|-------|--------|----------|-----------|--------------------------|--------------------|-----------------------|-------------------------|-------------------------|-----|
| 5609637 | SARASOTA SARASOTA | ##### | 1535 | Thunderstr | | 0 | 0 | 50000 | 0 FL | EST | 2067087 | C | 115 | TBW | 0 | 0 | | 26 | SE | 26 | SE | SARASOTA | 27.07 | -82.23 | 27.07 | -82.23 | Thunderstorm winds t | 170 | | | | |
| 5610357 | SARASOTA SARASOTA | ##### | 1615 | Hail | 0.75 | 0 | 0 | 1000 | 0 FL | EST | 2067741 | C | 115 | TBW | 0 | 0 | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.53 | Dime sized hail was re | 171 | | | | |
| 5610358 | SARASOTA NORTH PO | ##### | 1630 | Thunderstr | | 0 | 0 | 1000 | 0 FL | EST | 2067742 | C | 115 | TBW | 0 | 0 | | | | | | NORTH PO | 27 | -82.07 | 27 | -82.07 | Thunderstorm wind t | 172 | | | | |
| 5616314 | SARASOTA SARASOTA | ##### | 1900 | Lightning | | 0 | 0 | 185000 | 0 FL | EST | 2067915 | C | 115 | TBW | 0 | 0 | | 30 | S | 30 | S | SARASOTA | | | | | Lightning ignited a fire | 173 | | | | |
| 5616319 | SARASOTA SARASOTA | ##### | 1440 | Hail | 0.75 | 0 | 0 | 0 | 0 FL | EST | 2067920 | C | 115 | TBW | 0 | 0 | | 5 | S | 5 | S | SARASOTA | 27.27 | -82.53 | 27.27 | -82.53 | | 174 | | | | |
| 5615720 | SARASOTA SARASOTA | ##### | 1600 | Hail | 0.75 | 0 | 0 | 0 | 0 FL | EST | 2067953 | C | 115 | TBW | 0 | 0 | | 8 | SSE | 8 | SSE | SARASOTA | 27.23 | -82.48 | 27.23 | -82.48 | Dime sized hail was re | 175 | | | | |
| 5622752 | SARASOTA SARASOTA | ##### | 1530 | Flood | | 0 | 0 | 20000 | 0 FL | EST | 2070365 | C | 115 | TBW | 0 | 0 | | | | | | VENICE | | | | | | 176 | | | | |
| 5622837 | SARASOTA SARASOTA | ##### | 1030 | Flash Floor | | 0 | 0 | 250000 | 0 FL | EST | 2070370 | C | 115 | TBW | 0 | 0 | | | | | | NORTH PO | | | | | Heavy | 177 | | | | |
| 5620540 | SARASOTA SARASOTA | ##### | 1200 | Tornado | F0 | 0 | 0 | 0 | 0 FL | EST | 2070785 | C | 115 | TBW | 0 | 0 | | 0.1 | | 5 | 4 | W | 4 | W | SARASOTA | 27.33 | -82.6 | 27.33 | -82.6 | A brief tornado touch | 178 | |
| 5620542 | SARASOTA SARASOTA | ##### | 1205 | Waterspou | | 0 | 0 | 0 | 0 FL | EST | 2070787 | C | 115 | TBW | 0 | 0 | | | | | | 3 | NW | 3 | NW | SARASOTA | | | | A waterspout was obs | 179 | |
| 5620664 | SARASOTA SARASOTA | ##### | 1730 | Waterspou | | 0 | 0 | 0 | 0 FL | EST | 2070800 | C | 115 | TBW | 0 | 0 | | | | | | 4 | W | 4 | W | SARASOTA | | | | A waterspout was obs | 180 | |
| 5619603 | SARASOTA SARASOTA | ##### | 1300 | Flood | | 0 | 0 | 100000 | 0 FL | EST | 2070978 | C | 115 | TBW | 0 | 0 | | | | | | | | | | | Four to six | 181 | | | | |
| 5619599 | SARASOTA SARASOTA | ##### | 1800 | Flash Floor | | 0 | 0 | 2300000 | 0 FL | EST | 2070977 | C | 115 | TBW | 0 | 0 | | | | | | OSPREY | | | | | Average | 182 | | | | |
| 5623476 | SARASOTA SARASOTA | ##### | 800 | Flood | | 0 | 0 | 0 | 0 FL | EST | 2071820 | C | 115 | TBW | 0 | 0 | | | | | | 27 | E | 27 | E | SARASOTA | | | | The Myakka River at M | 183 | |
| 5623519 | SARASOTA SARASOTA | ##### | 800 | Flood | | 0 | 0 | 20000 | 0 FL | EST | 2071828 | C | 115 | TBW | 0 | 0 | | | | | | 25 | SE | 25 | SE | SARASOTA | | | | The Myakka River at M | 184 | |
| 5623378 | SARASOTA SARASOTA | ##### | 1300 | Flash Floor | | 0 | 0 | 80000 | 0 FL | EST | 2071804 | C | 115 | TBW | 0 | 0 | | | | | | | | | | | Heavy | 185 | | | | |
| 5634219 | SARASOTA SARASOTA | 1/1/1998 | 0 | Flood | | 0 | 0 | 0 | 0 FL | EST | 2073667 | C | 115 | TBW | 0 | 0 | | | | | | 25 | SE | 25 | SE | SARASOTA | | | | The Myakka River at M | 186 | |
| 5634333 | SARASOTA SARASOTA | ##### | 800 | Flood | | 0 | 0 | 5000 | 0 FL | EST | 2073680 | C | 115 | TBW | 0 | 0 | | | | | | 25 | SE | 25 | SE | SARASOTA | | | | The Myakka River at M | 187 | |
| 5634342 | SARASOTA NORTH PO | ##### | 915 | Tornado | F0 | 0 | 0 | 5000 | 0 FL | EST | 2073689 | C | 115 | TBW | 0 | 0 | | 0.1 | | 5 | | | | | 27 | -82.07 | 27 | -82.07 | A short lived tornado | 188 | | |
| 5634553 | SARASOTA COUNTYW | ##### | 1000 | Flood | | 0 | 0 | 250000 | 0 FL | EST | 2073693 | C | 115 | TBW | 0 | 0 | | | | | | | | | | | Heavy rains of four to | 189 | | | | |
| 5638640 | SARASOTA SARASOTA | 2/1/1998 | 0 | Flood | | 0 | 0 | 10000 | 0 FL | EST | 2074722 | C | 115 | TBW | 0 | 0 | | | | | | 25 | SE | 25 | SE | SARASOTA | | | | The Myakka River at M | 190 | |
| 5638646 | SARASOTA VENICE | 2/2/1998 | 1915 | Thunderstr | | 0 | 0 | 5000 | 0 FL | EST | 2074727 | C | 115 | TBW | 0 | 0 | | | | | | | | | | | | Thunderstorm winds | 191 | | | |
| 5639890 | SARASOTA VENICE | ##### | 425 | Waterspou | | 0 | 0 | 0 | 0 FL | EST | 2074763 | C | 115 | TBW | 0 | 0 | | | | | | 5 | N | 5 | N | VENICE | | | | | 192 | |
| 5639965 | SARASOTA VENICE | ##### | 426 | Tornado | F1 | 0 | 0 | 200000 | 0 FL | EST | 2074764 | C | 115 | TBW | 0 | 0 | | 0.2 | | 10 | 5 | N | 6 | N | VENICE | 27.17 | -82.45 | 27.18 | -82.45 | A tornado | 193 | |
| 5639889 | SARASOTA SARASOTA | ##### | 430 | Thunderstr | | 0 | 0 | 4000 | 0 FL | EST | 2074762 | C | 115 | TBW | 0 | 0 | | | | | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.53 | Thunderstorm winds | 194 |
| 5639967 | SARASOTA COUNTYW | ##### | 500 | Flood | | 0 | 0 | 40000 | 0 FL | EST | 2074766 | C | 115 | TBW | 0 | 0 | | | | | | | | | | COUNTYW | | | | Heavy rain | 195 | |
| 5639980 | SARASOTA SARASOTA | ##### | 800 | Flood | | 0 | 0 | 200000 | 0 FL | EST | 2074774 | C | 115 | TBW | 0 | 0 | | | | | | 25 | SE | 25 | SE | SARASOTA | | | | The Myakka River at M | 196 | |
| 5649092 | SARASOTA SARASOTA | 3/1/1998 | 0 | Flood | | 0 | 0 | 0 | 0 FL | EST | 2078899 | C | 115 | TBW | 0 | 0 | | | | | | 25 | SE | 25 | SE | SARASOTA | | | | The Myakka River at M | 197 | |
| 5649178 | SARASOTA SARASOTA | 3/1/1998 | 520 | Hail | 0.75 | 0 | 0 | 0 | 0 FL | EST | 2078909 | C | 115 | TBW | 0 | 0 | EMERGEN | | | | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.53 | Dime sized hail was re | 198 |
| 5649180 | SARASOTA SARASOTA | 3/1/1998 | 545 | Thunderstr | | 0 | 0 | 5000 | 0 FL | EST | 2078911 | C | 115 | TBW | 0 | 0 | | | | | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.53 | Thunderstorm winds | 199 |
| 5649181 | SARASOTA SARASOTA | 3/1/1998 | 600 | Tornado | F1 | 0 | 0 | 500000 | 0 FL | EST | 2078912 | C | 115 | TBW | 0 | 0 | | 0.4 | | 20 | 2 | ENE | 2 | ENE | SARASOTA | 27.35 | -82.5 | 27.35 | -82.5 | A tornado touched do | 200 | |
| 5649270 | SARASOTA SARASOTA | 3/9/1998 | 20 | Thunderstr | | 0 | 0 | 60000 | 0 FL | EST | 2078921 | C | 115 | TBW | 0 | 0 | | | | | | | | | | SARASOTA | 27.4 | -82.55 | 27.4 | -82.55 | Thunderstorm winds | 201 |
| 5649274 | SARASOTA NORTH PO | 3/9/1998 | 35 | Thunderstr | | 0 | 0 | 42000 | 0 FL | EST | 2078925 | C | 115 | TBW | 0 | 0 | | | | | | | | | | NORTH PO | 27 | -82.07 | 27 | -82.07 | Thunderstorm winds | 202 |
| 5649275 | SARASOTA SARASOTA | 3/9/1998 | 40 | Thunderstr | | 0 | 0 | 5000 | 0 FL | EST | 2078926 | C | 115 | TBW | 0 | 0 | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.53 | Thunderstorm winds | 203 | | | | |
| 5649349 | SARASOTA OSPREY | 3/9/1998 | 115 | Thunderstr | | 0 | 0 | 25000 | 0 FL | EST | 2078932 | C | 115 | TBW | 0 | 0 | | | | | | OSPREY | 27.2 | -82.5 | 27.2 | -82.5 | Thunderstorm winds | 204 | | | | |
| 5649354 | SARASOTA MANASOT | 3/9/1998 | 130 | Thunderstr | | 0 | 0 | 75000 | 0 FL | EST | 2078936 | C | 115 | TBW | 0 | 0 | | | | | | | | | | MANASOT | 26.98 | -82.32 | 26.98 | -82.32 | Thunderstorm winds | 205 |
| 5647726 | SARASOTA SARASOTA | ##### | 800 | Flood | | 0 | 0 | 200000 | 0 FL | EST | 1062535 | C | 115 | TBW | 0 | 0 | | | | | | 25 | SE | 25 | SE | SARASOTA | | | | The Myakka River at M | 206 | |
| 5647821 | SARASOTA SARASOTA | ##### | 2330 | Flash Floor | | 0 | 0 | 500000 | 0 FL | EST | 2078950 | C | 115 | TBW | 0 | 0 | | | | | | 3 | ESE | 3 | ESE | SARASOTA | | | | Three to six inches of | 207 | |
| 5647826 | SARASOTA OSPREY | ##### | 1235 | Hail | 0.88 | 0 | 0 | 0 | 0 FL | EST | 1062544 | C | 115 | TBW | 0 | 0 | | | | | | 6 | N | 6 | N | OSPREY | 27.28 | -82.5 | 27.28 | -82.5 | Nickel sized hail was r | 208 |
| 5647827 | SARASOTA SARASOTA | ##### | 1303 | Thunderstr | | 0 | 0 | 60000 | 0 FL | EST | 2078955 | C | 115 | TBW | 0 | 0 | | | | | | 7 | SSE | 7 | SSE | SARASOTA | 27.23 | -82.48 | 27.23 | -82.48 | Thunderstorm winds | 209 |
| 5652908 | SARASOTA SARASOTA | 4/1/1998 | 0 | Flood | | 0 | 0 | 0 | 0 FL | EST | 2079239 | C | 115 | TBW | 0 | 0 | | | | | | 25 | SE | 25 | SE | SARASOTA | | | | The Myakka River at M | 210 | |
| 5652923 | SARASOTA SARASOTA | ##### | 1335 | Rip Curren | | 0 | 1 | 0 | 0 FL | EST | 2079245 | C | 115 | TBW | 0 | 0 | | | | | | 6 | SSW | 6 | SSW | SARASOTA | | | | A 21 year-old male ne | 211 | |
| 5653306 | SARASOTA SARASOTA | 5/4/1998 | 1430 | Hail | 0.75 | 0 | 0 | 0 | 0 FL | EST | 2079273 | C | 115 | TBW | 0 | 0 | | | | | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.53 | | 212 |
| 5653305 | SARASOTA SARASOTA | 5/4/1998 | 1430 | Thunderstr | | 0 | 0 | 0 | 0 FL | EST | 2079272 | C | 115 | TBW | 0 | 0 | | | | | | 5 | SE | 5 | SE | SARASOTA | 27.28 | -82.48 | 27.28 | -82.48 | A 65 mph wind gust w | 213 |
| 5653309 | SARASOTA SOUTH VEI | 5/4/1998 | 1500 | Thunderstr | | 0 | 1 | 10000 | 0 FL | EST | 2079276 | C | 115 | TBW | 0 | 0 | | | | | | | | | | SOUTH VEI | 27.05 | -82.42 | 27.05 | -82.42 | A 23 year- | 214 |
| 5653310 | SARASOTA ENGLEWOI | 5/4/1998 | 1520 | Thunderstr | | 0 | 1 | 12000 | 0 FL | EST | 2079277 | C | 115 | TBW | 0 | 0 | | | | | | | | | | ENGLEWOI | | | | Thunderstorm winds | 215 | |
| 5666549 | SARASOTA VENICE | 7/9/1998 | 744 | Waterspou | | 0 | 0 | 0 | 0 FL | EST | 2083769 | C | 115 | TBW | 0 | 0 | AIRPLANE | | | | | 1 | W | 1 | W | VENICE | | | | An aircraft reported a | 216 | |
| 5666695 | SARASOTA SARASOTA | ##### | 1630 | Flood | | 0 | 0 | 15000 | 0 FL | EST | 2083783 | C | 115 | TBW | 0 | 0 | NEWSPAP | | | | | | | | | SARASOTA | | | | Heavy rain of five to s | 217 | |
| 5664074 | SARASOTA SARASOTA | 8/9/1998 | 1630 | Lightning | | 0 | 0 | 100000 | 0 FL | EST | 2148954 | C | 115 | TBW | 0 | 0 | NEWSPAP | | | | | 6 | SE | 6 | SE | SARASOTA | | | | Lightning struck and c | 218 | |
| 5664243 | SARASOTA SARASOTA | ##### | 1615 | Heavy Rair | | 0 | 0 | 5000 | 0 FL | EST | 2084389 | C | 115 | TBW | 0 | 0 | TRAINED S | | | | | 2 | W | 2 | W | SARASOTA | | | | Heavy rain of 2.8 inch | 219 | |
| 5668521 | SARASOTA SARASOTA | ##### | 800 | Flood | | 0 | 0 | 1000 | 0 FL | EST | 2149391 | C | 115 | TBW | 0 | 0 | OTHER FEC | | | | | 27 | E | 27 | E | SARASOTA | | | | The Myakka River at M | 220 | |
| 5668610 | SARASOTA SARASOTA | ##### | 1345 | Thunderstr | | 0 | 0 | 5000 | 0 FL | EST | 2149402 | C | 115 | TBW | 0 | 0 | NEWSPAP | | | | | 2 | NE | 2 | NE | SARASOTA | | | | Thunderstorm winds, | 221 | |
| 5670460 | SARASOTA SARASOTA | ##### | 0 | Flood | | 0 | 0 | 1000 | 0 FL | EST | 2150639 | C | 115 | TBW | 0 | 0 | OTHER FEC | | | | | 27 | E | 27 | E | SARASOTA | | | | The Myakka River at M | 222 | |
| 5673861 | SARASOTA VENICE | ##### | 1105 | Thunderstr | | 1 | 0 | 30000 | 0 FL | EST | 2151640 | C | 115 | TBW | 0 | 0 | NEWSPAP | | | | | 10 | SW | 10 | SW | VENICE | | | | A 77 year-old male die | 223 | |
| 5683996 | SARASOTA SARASOTA | 1/2/1999 | 2310 | Tornado | F0 | 0 | 0 | 250000 | 0 FL | EST | 1502804 | C | 115 | TBW | 0 | 0 | NWS STOR | | | | | 3 | W | 1 | N | SARASOTA | 27.33 | -82.57 | 27.33 | -82.53 | A National Weather S | 224 |
| 5683997 | SARASOTA SARASOTA | 1/2/1999 | 2311 | Waterspou | | 0 | 0 | 0 | 0 FL | EST | 1502381 | C | 115 | TBW | 0 | 0 | NWS STOR | | | | | 2 | W | 1 | NW | SARASOTA | | | | The tornado that touc | 225 | |
| 5684070 | SARASOTA VENICE | 1/2/1999 | 2358 | Tornado | F0 | 0 | 0 | 350000 | 0 FL | EST | 1502805 | C | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---------------------|----------|------|-------------|------|---|---|--------|------|----|-------|---------|---|-----|-----|---|---|-----------------------|-----|----|----|-----|-----|-----|------------|------------|----------|--------|----------|--------------------------------|-------------------------|-----|
| 5174922 | SARASOTA SARASOTA | ##### | 1729 | Tornado | F0 | 0 | 0 | 0 | 0 | FL | EST | 1102718 | C | 115 | TBW | 0 | 0 | BROADCAST | 0.1 | 5 | 2 | NNW | 2 | NNW | SARASOTA | 27.37 | -82.55 | 27.37 | -82.55 | A small F0 tornado, p | 255 | |
| 5157965 | SARASOTA NORTH PO | ##### | 454 | Tornado | F0 | 0 | 0 | 60000 | 0 | FL | EST | 1104021 | C | 115 | TBW | 0 | 0 | NWS STOR | 12 | 5 | 6 | E | 17 | NNE | NORTH PO | 27 | -81.97 | 27.23 | -81.97 | A short lived tornado, Eastern | 256 | |
| 5158364 | SARASOTA SARASOTA | ##### | 600 | Flash Flood | | 0 | 0 | 100000 | 0 | FL | EST | 1104024 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | NORTH PO | | | | | | 257 | |
| 5235351 | SARASOTA NORTH PO | ##### | 1500 | Wildfire | | 0 | 1 | 100000 | 0 | FL | EST | 1111443 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | NORTH PO | | | | | An arson si | 258 | |
| 5238294 | SARASOTA SARASOTA | 3/4/2001 | 1126 | Thunderst | | 0 | 0 | 150000 | 0 | FL | EST | 1112375 | C | 115 | TBW | 0 | 0 | UTILITY CC | | | | | 6 | E | SARASOTA | 27.33 | -82.53 | 27.33 | -82.43 | Utility company repre | 259 | |
| 5238489 | SARASOTA SARASOTA | ##### | 1215 | Waterspot | | 0 | 0 | 0 | 0 | FL | EST | 1112390 | C | 115 | TBW | 0 | 0 | LAW ENFO | | | | 3 | W | 3 | W | SARASOTA | | | | | Law enforcement rep | 260 |
| 5238496 | SARASOTA SARASOTA | ##### | 1835 | Hail | 0.88 | 0 | 0 | 0 | 0 | FL | EST | 1112397 | C | 115 | TBW | 0 | 0 | TRAINED S | | | | 6 | SE | 6 | SE | SARASOTA | 27.27 | -82.47 | 27.27 | -82.47 | Nickel sized hail was r | 261 |
| 5241842 | SARASOTA VENICE | ##### | 1500 | Wildfire | | 0 | 0 | 100000 | 0 | FL | EST | 1113708 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | 10 | E | 10 | E | VENICE | | | | | A controlled burn, tha | 262 |
| 5247512 | SARASOTA SARASOTA | 5/3/2001 | 1615 | Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | 1115094 | C | 115 | TBW | 0 | 0 | AMATEUR | | | | 4 | SE | 4 | SE | SARASOTA | 27.3 | -82.5 | 27.3 | -82.5 | Dime sized hail was re | 263 |
| 5247513 | SARASOTA SARASOTA | 5/3/2001 | 1640 | Hail | 0.88 | 0 | 0 | 0 | 0 | FL | EST | 1115095 | C | 115 | TBW | 0 | 0 | BROADCAST | | | | 4 | S | 4 | S | SARASOTA | 27.28 | -82.53 | 27.28 | -82.53 | The public reported, t | 264 |
| 5254616 | SARASOTA NORTH PO | 6/5/2001 | 1500 | Thunderst | | 0 | 0 | 5000 | 0 | FL | EST | 1117563 | C | 115 | TBW | 0 | 0 | UTILITY CC | | | | | | | NORTH PO | 27 | -82.07 | 27 | -82.07 | Florida Power & Light | 265 | |
| 5254934 | SARASOTA NOKOMIS | ##### | 1525 | Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | 1117617 | C | 115 | TBW | 0 | 0 | FIRE DEPT/ | | | | | | | NOKOMIS | 27.12 | -82.45 | 27.12 | -82.45 | Dime sized hail was re | 266 | |
| 5254935 | SARASOTA LAUREL | ##### | 1535 | Tornado | F0 | 0 | 0 | 0 | 0 | FL | EST | 1117618 | C | 115 | TBW | 0 | 0 | GENERAL F | 0.1 | 5 | 2 | NE | 2 | NE | LAUREL | 27.15 | -82.43 | 27.15 | -82.43 | The public reported, t | 267 | |
| 5255168 | SARASOTA VENICE | ##### | 900 | Lightning | | 0 | 1 | 0 | 0 | FL | EST | 1117660 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | VENICE | | | | | Lightning struck a sto | 268 | |
| 5266146 | SARASOTA SARASOTA | 8/9/2001 | 1626 | Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | 1122419 | C | 115 | TBW | 0 | 0 | BROADCAST | | | | 3 | N | | SARASOTA | 27.38 | -82.53 | 27.33 | -82.53 | Dime sized hail was re | 269 | |
| 5266425 | SARASOTA SARASOTA | ##### | 1615 | Lightning | | 0 | 0 | 10000 | 0 | FL | EST | 1122453 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | 5 | E | 5 | E | SARASOTA | | | | | Lightning struck the rc | 270 |
| 5269749 | SARASOTA SARASOTA | ##### | 1610 | Thunderst | | 0 | 0 | 50000 | 0 | FL | EST | 1123593 | C | 115 | TBW | 0 | 0 | UTILITY CC | | | | 8 | ESE | 9 | SE | SARASOTA | 27.28 | -82.42 | 27.23 | -82.43 | A local utility compan | 271 |
| 5269750 | SARASOTA SARASOTA | ##### | 1620 | Thunderst | | 0 | 0 | 5000 | 0 | FL | EST | 1123594 | C | 115 | TBW | 0 | 0 | LAW ENFO | | | | 3 | SSE | 3 | SSE | SARASOTA | 27.3 | -82.52 | 27.3 | -82.52 | The Sarasota sheriffs | 272 |
| 5269674 | SANTA RO' GULF BREE | ##### | 1410 | Waterspot | | 0 | 0 | 0 | 0 | FL | CST | 1123916 | M | 113 | MOB | 0 | 0 | EMERGEN | | | | | | | GULF BREE | | | | | A waterspot was sigl | 273 | |
| 5285327 | SARASOTA CENTRAL P | ##### | 1115 | Dust Devil | | 0 | 0 | 0 | 0 | FL | EST | 1132378 | C | 115 | TBW | 0 | 0 | EMERGEN | | | | | | | CENTRAL P | | | | | A small dust devil dev | 274 | |
| 5291444 | SARASOTA VENICE | ##### | 1805 | Hail | 1.75 | 0 | 0 | 3000 | 0 | FL | EST | 1134477 | C | 115 | TBW | 0 | 0 | TRAINED S | | | | 4 | E | 4 | E | VENICE | 27.1 | -82.38 | 27.1 | -82.38 | Golf ball si | 275 |
| 5298528 | SARASOTA NORTH PO | 6/2/2002 | 1300 | Lightning | | 0 | 0 | 0 | 0 | FL | EST | 1136452 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | 4 | NW | 4 | NW | NORTH PO | | | | | Brush fires sparked by | 276 |
| 5303315 | SARASOTA NORTH PO | ##### | 1433 | Thunderst | | 0 | 0 | 0 | 0 | FL | EST | 1138474 | C | 115 | TBW | 0 | 0 | TRAINED S | | | | | | | NORTH PO | 27 | -82.07 | 27 | -82.07 | Multiple trees down a | 277 | |
| 5310437 | SARASOTA SARASOTA | ##### | 1600 | Lightning | | 0 | 0 | 0 | 0 | FL | EST | 1141149 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | SARASOTA | | | | | Lightning struck powe | 278 | |
| 5310522 | SARASOTA SARASOTA | ##### | 1645 | Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | 1141159 | C | 115 | TBW | 0 | 0 | TRAINED S | | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.53 | | 279 | |
| 5323863 | SARASOTA NORTH PO | ##### | 1100 | Flash Flood | | 0 | 0 | 0 | 0 | FL | EST | 1145060 | C | 115 | TBW | 0 | 0 | TRAINED S | | | | | | | NORTH PO | | | | | A slow mo | 280 | |
| 5325633 | SARASOTA SARASOTA | ##### | 2310 | Tornado | F0 | 0 | 0 | 15000 | 0 | FL | EST | 1145582 | C | 115 | TBW | 0 | 0 | EMERGEN | 2 | 30 | 4 | S | 4 | S | SARASOTA | 27.28 | -82.53 | 27.28 | -82.53 | A tornado that began | 281 | |
| 5344200 | SARASOTA SARASOTA | ##### | 1944 | Tornado | F0 | 0 | 0 | 150000 | 0 | FL | EST | 1147830 | C | 115 | TBW | 0 | 0 | NWS STOR | 3 | 50 | 3 | NNW | 3 | NNE | SARASOTA | 27.38 | -82.55 | 27.38 | -82.52 | The National Weather | 282 | |
| 5344196 | SARASOTA SARASOTA | ##### | 1605 | Thunderst | 52 | 0 | 0 | 10000 | 5000 | FL | EST | 1147826 | C | 115 | TBW | 0 | 0 | EMERGEN | | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.47 | Strong winds downed | 283 | |
| 5354071 | SARASOTA SARASOTA | ##### | 140 | Thunderst | 55 | 0 | 0 | 0 | 0 | FL | EST | 1150903 | C | 115 | TBW | 0 | 0 | UTILITY CC | | | | 5 | SE | 5 | SE | SARASOTA | 27.28 | -82.48 | 27.28 | -82.48 | Local utility reported | 284 |
| 5357724 | SARASOTA SARASOTA | ##### | 1705 | Funnel Clo | | 0 | 0 | 0 | 0 | FL | EST | 1152931 | C | 115 | TBW | 0 | 0 | BROADCAST | | | | 3 | E | 3 | E | SARASOTA | | | | | A funnel cloud was re | 285 |
| 5358266 | SARASOTA VENICE | ##### | 738 | Lightning | | 0 | 0 | 2000 | 0 | FL | EST | 1152939 | C | 115 | TBW | 0 | 0 | FIRE DEPT/ | | | | | | | VENICE | | | | | Lightning started a sm | 286 | |
| 5364705 | SARASOTA SARASOTA | ##### | 1657 | Lightning | | 0 | 1 | 0 | 0 | FL | EST | 1154863 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | 5 | SSE | 5 | SSE | SARASOTA | | | | | A Pennsylvania woma | 287 |
| 5363887 | SARASOTA SARASOTA | ##### | 1300 | Flash Flood | | 0 | 0 | 0 | 0 | FL | EST | 1154885 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | SARASOTA | | | | | Heavy rains lead to str | 288 | |
| 5366406 | SARASOTA VENICE | ##### | 1540 | Thunderst | 55 | 0 | 0 | 0 | 0 | FL | EST | 1155865 | C | 115 | TBW | 0 | 0 | UTILITY CC | | | | | | | VENICE | 27.1 | -82.45 | 27.1 | -82.45 | A local utility reportec | 289 | |
| 5368344 | SARASOTA SARASOTA | 8/8/2003 | 1415 | Flash Flood | | 0 | 0 | 200000 | 0 | FL | EST | 1160150 | C | 115 | TBW | 0 | 0 | EMERGEN | | | | | | | SARASOTA | | | | | Three to five inches of | 290 | |
| 5368478 | SARASOTA ENGLEWOOD | 9/5/2003 | 1730 | Flash Flood | | 0 | 0 | 30000 | 0 | FL | EST | 1160374 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | NORTH PO | | | | | A total of 5 to 9 inches | 291 | |
| 5338128 | SARASOTA SARASOTA | ##### | 900 | Thunderst | 40 | 0 | 0 | 5000 | 0 | FL | EST | 1163067 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | SARASOTA | 27.33 | -82.53 | 27.33 | -82.53 | Strong winds associat | 292 | |
| 5393926 | SARASOTA SARASOTA | ##### | 443 | Thunderst | 58 | 0 | 0 | 0 | 0 | FL | EST | 1168758 | C | 115 | TBW | 0 | 0 | AWOS ASOS MESONET ETC | | | | | | | SARASOTA | 27.4 | -82.55 | 27.4 | -82.55 | The storm An early m | 293 | |
| 5404505 | SARASOTA BEE RIDGE | 6/8/2004 | 1549 | Hail | 0.75 | 0 | 0 | 0 | 0 | FL | EST | 1172773 | C | 115 | TBW | 0 | 0 | BROADCAST | | | | | | | BEE RIDGE | 27.28 | -82.48 | 27.28 | -82.48 | | 294 | |
| 5412827 | SARASOTA VENICE | 7/4/2004 | 2100 | Lightning | | 0 | 0 | 15000 | 0 | FL | EST | 1175657 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | 1 | W | 1 | W | VENICE | | | | | Lightning struck a radi | 295 |
| 5412828 | SARASOTA VENICE | 7/4/2004 | 2130 | Lightning | | 0 | 0 | 10000 | 0 | FL | EST | 1175657 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | VENICE | | | | | Lightning struck the r | 296 | |
| 5438151 | SARASOTA (SRQ)SARA | ##### | 1930 | Heavy Rair | | 0 | 0 | 0 | 0 | FL | EST | 1184397 | C | 115 | TBW | 0 | 0 | TRAINED S | | | | | | | (SRQ)SARA | | | | | Lines of thi | 297 | |
| 5448071 | SARASOTA VENICE | 4/7/2005 | 1750 | Thunderst | 50 | 0 | 5 | 10000 | 0 | FL | EST | 1188185 | C | 115 | TBW | 0 | 0 | BROADCAST | | | | 1 | E | 1 | E | VENICE | 27.1 | -82.43 | 27.1 | -82.43 | Video and eye witness | 298 |
| 5449123 | SARASOTA VENICE | 5/4/2005 | 1600 | Lightning | | 0 | 1 | 0 | 0 | FL | EST | 1189613 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | VENICE | | | | | Lightning struck near | 299 | |
| 5463622 | SARASOTA SIESTA KEY | 7/9/2005 | 1710 | Rip Curren | | 0 | 0 | 0 | 0 | FL | EST | 1195117 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | 4 | N | 4 | N | SIESTA KEY | | | | | Lifeguards at Lido Pub | 300 |
| 5469939 | SARASOTA VENICE | ##### | 1300 | Lightning | | 0 | 0 | 2500 | 0 | FL | EST | 1196601 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | 2 | SSE | 2 | SSE | VENICE | | | | | Lightning struck the V | 301 |
| 5477064 | SARASOTA VENICE | ##### | 700 | Heavy Rair | | 0 | 0 | 0 | 0 | FL | EST | 1200010 | C | 115 | TBW | 0 | 0 | OFFICIAL N | | | | | | | NORTH PO | | | | | Venice recd Heavy rain | 302 | |
| 5490511 | SARASOTA VENICE | 2/4/2006 | 230 | Lightning | | 0 | 0 | 230000 | 0 | FL | EST | 1204758 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | 2 | SE | 2 | SE | VENICE | | | | | Lightning started an a | 303 |
| 5521572 | SARASOTA SARASOTA | ##### | 1757 | Thunderst | 50 | 0 | 0 | 0 | 0 | FL | EST | 1214947 | C | 115 | TBW | 0 | 0 | BROADCAST | | | | 2 | ESE | 2 | ESE | SARASOTA | 27.32 | -82.5 | 27.32 | -82.5 | Thunderstorm winds | 304 |
| 5525768 | SARASOTA VENICE | ##### | 928 | Tornado | F0 | 0 | 0 | 0 | 0 | FL | EST | 1218417 | C | 115 | TBW | 0 | 0 | TRAINED S | 0.3 | 30 | | | | | VENICE | 27.1 | -82.45 | 27.1 | -82.45 | A pilot reported sever | 305 | |
| 5526044 | SARASOTA SARASOTA | ##### | 800 | Lightning | | 0 | 0 | 550000 | 0 | FL | EST | 1218429 | C | 115 | TBW | 0 | 0 | NEWSPAPER | | | | | | | SARASOTA | | | | | Lightning sparked a fir | 306 | |
| 27009 | SARASOTA FRUITVILLE | ##### | 1641 | Tornado | EFO | 0 | 0 | 0 | 0 | FL | EST-5 | 4707 | C | 115 | TBW | 0 | 0 | Broadcast | 0.3 | 30 | 3 | E | 3 | E | FRUITVILLE | 27.33 | -82.4212 | 27.33 | -82.4163 | A weak tor Isolated w | 307 | |
| 40207 | SARASOTA NORTH PO | ##### | 1320 | Tornado | EFO | 0 | 0 | 1000 | 0 | FL | EST-5 | 6968 | C | 115 | TBW | 0 | 0 | Law Enforc | 0.2 | 30 | 10 | E | 10 | E | NORTH PO | 27 | -81.9094 | 27 | -81.9094 | A brief tori Scattered t | 308 | |
| 111211 | SARASOTA RIDGE WO | ##### | 2020 | Lightning | | 0 | 1 | 0 | 0 | FL | EST-5 | 18887 | C | 115 | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---------------------|----------|------|-------------|------|---|---|----------|---------|----|-------|-------|--------|-----|-----|-----|---|-----------|------------|------------|-----|-----|-----|-----------|------------|------------|----------|----------|-------------|--------------|---------------|-------------|--------------|-----------|-----|
| 521230 | SARASOTA SOUTH SAI | ##### | 1600 | Lightning | | 1 | 0 | 0 | 0 | FL | EST-5 | 86151 | C | 115 | TBW | 0 | 0 | Newspape | | 1 | SSE | 1 | SSE | SOUTH SAI | 27.267 | -82.522 | 27.267 | -82.522 | A 39 year c | An upper li | 340 | | | | |
| 538711 | SARASOTA GULF GATE | ##### | 800 | Heavy Rair | | 0 | 0 | 0 | 0 | FL | EST-5 | 89429 | C | 115 | TBW | 0 | 0 | CoCoRaHS | | 1 | NE | 1 | NE | GULF GATE | 27.261 | -82.4885 | 27.261 | -82.4885 | A CoCoRaH | A stalled fr | 341 | | | | |
| 538802 | SARASOTA GATOR CRI | ##### | 800 | Heavy Rair | | 0 | 0 | 0 | 0 | FL | EST-5 | 89429 | C | 115 | TBW | 0 | 0 | CoCoRaHS | | 0 | ENE | 0 | ENE | GATOR CRI | 27.2615 | -82.3834 | 27.2615 | -82.3834 | A CoCoRaH | A stalled fr | 342 | | | | |
| 550096 | SARASOTA MANASOT | ##### | 342 | Tornado | EFO | 0 | 0 | 20000 | 0 | FL | EST-5 | 91782 | C | 115 | TBW | 0 | 0 | NWS Storn | 2.38 | 50 | 2 | ENE | 3 | SSE | WARM MII | 26.989 | -82.2878 | 27.0079 | -82.2554 | A Myakka | !A line of th | 343 | | | |
| 572564 | SARASOTA VENICE GA | ##### | 1505 | Thunderstr | 39 | 0 | 0 | 2000 | 0 | FL | EST-5 | EG | 95281 | C | 115 | TBW | 0 | 0 | Trained Sp | | 0 | N | 0 | N | VENICE GA | 27.07 | -82.41 | 27.07 | -82.41 | A trained s | Southwest | 344 | | | |
| 572568 | SARASOTA BAYSHORE | ##### | 1505 | Thunderstr | 35 | 0 | 0 | 3000 | 0 | FL | EST-5 | EG | 95281 | C | 115 | TBW | 0 | 0 | Broadcast | | 1 | N | 1 | N | BAYSHORE | 27.0873 | -82.4296 | 27.0873 | -82.4296 | Broadcast | Southwest | 345 | | | |
| 572646 | SARASOTA LAUREL | ##### | 1200 | Thunderstr | 55 | 0 | 0 | 7000 | 0 | FL | EST-5 | EG | 95305 | C | 115 | TBW | 0 | 0 | Broadcast | | 2 | NNW | 2 | NNW | LAUREL | 27.1609 | -82.4668 | 27.1609 | -82.4668 | Broadcast | Thunderstr | 346 | | | |
| 609052 | SARASOTA GULF SHRS | ##### | 1100 | Thunderstr | 50 | 0 | 0 | 50000 | 0 | FL | EST-5 | EG | 101853 | C | 115 | TBW | 0 | 0 | Broadcast | | 1 | NE | 1 | NE | GULF SHRS | 27.0586 | -82.4134 | 27.0586 | -82.4134 | Broadcast | A low pres | 347 | | | |
| 609339 | SARASOTA PINE SHRS | ##### | 310 | Tornado | EF2 | 0 | 2 | 12000000 | 0 | FL | EST-5 | | 101881 | C | 115 | TBW | 0 | 0 | NWS Storn | 1.15 | 350 | 1 | WNW | 1 | S | SOUTH SAI | 27.253 | -82.5396 | 27.2663 | -82.5284 | An NWS St | A strong ar | 348 | | |
| 617194 | SARASOTA ENGLEWOI | ##### | 1330 | Hail | 1 | 0 | 0 | 0 | 0 | FL | EST-5 | | 103267 | C | 115 | TBW | 0 | 0 | Public | | 0 | N | 0 | N | ENGLEWOI | 26.98 | -82.37 | 26.98 | -82.37 | Hail the siz | A large me | 349 | | | |
| 633957 | COASTAL S | 6/6/2016 | 0 | Storm Surg | | 0 | 0 | 300000 | 0 | FL | EST-5 | | 105339 | Z | 160 | TBW | 0 | 0 | Emergency | | | | | | | | | | | | | Storm surg | Tropical St | 350 | |
| 633033 | COASTAL S | 6/6/2016 | 0 | Tropical St | | 0 | 0 | 5000 | 0 | FL | EST-5 | | 105339 | Z | 160 | TBW | 0 | 0 | Emergency | | | | | | | | | | | | | Tropical St | Tropical St | 351 | |
| 643204 | SARASOTA BEE RIDGE | ##### | 1530 | Thunderstr | 40 | 0 | 0 | 50000 | 0 | FL | EST-5 | EG | 107200 | C | 115 | TBW | 0 | 0 | Broadcast | | 1 | SW | 1 | SW | BEE RIDGE | 27.2692 | -82.4806 | 27.2692 | -82.4806 | Broadcast | Abundant | 352 | | | |
| 646102 | SARASOTA NEWTON | ##### | 1549 | Lightning | | 1 | 0 | 0 | 0 | FL | EST-5 | | 107815 | C | 115 | TBW | 0 | 0 | Broadcast | | 1 | SW | 1 | SW | NEWTON | 27.36 | -82.54 | 27.36 | -82.54 | A 50 year c | Easterly flic | 353 | | | |
| 648970 | SARASOTA NEWTON | ##### | 1515 | Flood | | 0 | 0 | 0 | 0 | FL | EST-5 | | 108036 | C | 115 | TBW | 0 | 0 | Broadcast | Heavy Rair | 2 | WNW | 1 | WSW | NEWTON | 27.3744 | -82.5545 | 27.3599 | -82.5498 | Excessive r | Deep mois | 354 | | | |
| 657046 | SARASOTA LONGBOA | 9/1/2016 | 1100 | Flood | | 0 | 0 | 250000 | 0 | FL | EST-5 | | 108576 | C | 115 | TBW | 0 | 0 | Emergency | Heavy Rair | 2 | NW | 1 | SW | SIESTA KEY | 27.3891 | -82.6426 | 27.2637 | -82.5625 | Heavy rain | Hermine fc | 355 | | | |
| 651757 | COASTAL S | 9/1/2016 | 1100 | Tropical St | | 0 | 0 | 500000 | 0 | FL | EST-5 | | 108576 | Z | 160 | TBW | 0 | 0 | C-MAN Sta | | | | | | | | | | | | | Hermine fc | Hermine fc | 356 | |
| 657047 | COASTAL S | 9/1/2016 | 2000 | Storm Surg | | 0 | 0 | 4000000 | 0 | FL | EST-5 | | 108576 | Z | 160 | TBW | 0 | 0 | Emergency | | | | | | | | | | | | | Storm surg | Hermine fc | 357 | |
| 655897 | SARASOTA BEE RIDGE | ##### | 1730 | Hail | 0.88 | 0 | 0 | 0 | 0 | FL | EST-5 | | 109632 | C | 115 | TBW | 0 | 0 | Public | | 1 | NW | 1 | NW | BEE RIDGE | 27.29 | -82.48 | 27.29 | -82.48 | A caller ref | Afternoon | 358 | | | |
| 674663 | SARASOTA OSPREY | ##### | 1938 | Thunderstr | 40 | 0 | 0 | 150000 | 0 | FL | EST-5 | EG | 112925 | C | 115 | TBW | 0 | 0 | Emergency | | 1 | ENE | 0 | NW | SARABAY | 27.205 | -82.4878 | 27.2043 | -82.4742 | Power line | An area of | 359 | | | |
| 687159 | INLAND SA | ##### | 1243 | Wildfire | | 0 | 0 | 0 | 0 | FL | EST-5 | | 114575 | Z | 260 | TBW | 0 | 0 | Emergency | | | | | | | | | | | | | Florida em | A wildfire s | 360 | |
| 701836 | SARASOTA MANASOT | ##### | 1525 | Hail | 0.88 | 0 | 0 | 0 | 0 | FL | EST-5 | | 116709 | C | 115 | TBW | 0 | 0 | Public | | 1 | S | 1 | S | MANASOT | 26.96 | -82.35 | 26.96 | -82.35 | | Scattered | 361 | | | |
| 705837 | COASTAL S | ##### | 1200 | Tropical St | | 0 | 0 | 0 | 0 | FL | EST-5 | | 117337 | Z | 160 | TBW | 0 | 0 | ASOS | | | | | | | | | | | | | Tropical St | Tropical St | 362 | |
| 705566 | SARASOTA BEE RIDGE | 8/2/2017 | 1330 | Thunderstr | 40 | 0 | 0 | 2000 | 0 | FL | EST-5 | EG | 117312 | C | 115 | TBW | 0 | 0 | Broadcast | | 1 | W | 1 | W | BEE RIDGE | 27.2804 | -82.4811 | 27.2804 | -82.4811 | A tree was | Deep mois | 363 | | | |
| 710655 | SARASOTA LONGBOA | ##### | 900 | Flood | | 1 | 0 | 50000 | 0 | FL | EST-5 | | 118236 | C | 115 | TBW | 0 | 0 | Emergency | Heavy Rair | 2 | NW | 2 | NW | MANASOT | 27.3889 | -82.6429 | 26.9466 | -82.3769 | Heavy rain | A trough o | 364 | | | |
| 721803 | INLAND SA | ##### | 700 | Hurricane | | 0 | 0 | 8000000 | 2200000 | FL | EST-5 | | 119520 | Z | 260 | TBW | 0 | 0 | Emergency | | | | | | | | | | | | | In inland p | Monetary | 365 | |
| 721791 | COASTAL S | ##### | 700 | Hurricane | | 0 | 0 | 2730000 | 0 | FL | EST-5 | | 119520 | Z | 160 | TBW | 0 | 0 | Emergency | | | | | | | | | | | | | In coastal | Monetary | 366 | |
| 729642 | INLAND SA | ##### | 0 | Frost/Free | | 0 | 0 | 0 | 0 | FL | EST-5 | | 121834 | Z | 260 | TBW | 0 | 0 | Mesonet | | | | | | | | | | | | | Temperatu | A strong cc | 367 | |
| 742448 | SARASOTA GOLDEN B | ##### | 1521 | Thunderstr | 56 | 0 | 0 | 0 | 0 | FL | EST-5 | MG | 123764 | C | 115 | TBW | 0 | 0 | AWOS | | 0 | NW | 0 | NW | GOLDEN B | 27.0725 | -82.4528 | 27.0725 | -82.4528 | The AWOS | A strong sc | 368 | | | |
| 753109 | COASTAL S | ##### | 2000 | Rip Curren | | 1 | 0 | 0 | 0 | FL | EST-5 | | 125503 | Z | 160 | TBW | 0 | 0 | Broadcast | | | | | | | | | | | | | | A man and | A man got | 369 |
| 753814 | SARASOTA PINE SHRS | ##### | 1315 | Lightning | | 1 | 1 | 0 | 0 | FL | EST-5 | | 125691 | C | 115 | TBW | 0 | 0 | Law Enforc | | 1 | NW | 1 | NW | PINE SHRS | 27.26 | -82.54 | 27.26 | -82.54 | A man and | Scattered t | 370 | | | |
| 771099 | SARASOTA BAYSHORE | ##### | 1553 | Thunderstr | 45 | 0 | 0 | 50000 | 0 | FL | EST-5 | EG | 128525 | C | 115 | TBW | 0 | 0 | Law Enforc | | 1 | WNW | 1 | WNW | BAYSHORE | 27.0841 | -82.4392 | 27.0841 | -82.4392 | A mobile h | Easterly flic | 371 | | | |
| 782633 | SARASOTA SIESTA KEY | ##### | 1735 | Tornado | EFO | 0 | 0 | 0 | 0 | FL | EST-5 | | 130734 | C | 115 | TBW | 0 | 0 | Social Med | 0.02 | 20 | 3 | NW | 3 | NW | SIESTA KEY | 27.31 | -82.5767 | 27.31 | -82.5765 | A social me | Hurricane l | 372 | | |
| 790676 | SARASOTA SIESTA KEY | ##### | 1104 | Thunderstr | 45 | 0 | 0 | 2000 | 0 | FL | EST-5 | EG | 132120 | C | 115 | TBW | 0 | 0 | Social Med | | 0 | SSW | 0 | SSW | SIESTA KEY | 27.2786 | -82.5503 | 27.2786 | -82.5503 | A public so | A strong cc | 373 | | | |
| 794932 | SARASOTA BELSPUR | ##### | 550 | Thunderstr | 52 | 0 | 0 | 0 | 0 | FL | EST-5 | EG | 132692 | C | 115 | TBW | 0 | 0 | Amateur R | | 1 | S | 1 | S | BELSPUR | 27.3 | -82.45 | 27.3 | -82.45 | At amateu | A squall lin | 374 | | | |
| 808369 | SARASOTA MANASOT | ##### | 1430 | Thunderstr | 50 | 0 | 0 | 40000 | 0 | FL | EST-5 | EG | 134872 | C | 115 | TBW | 0 | 0 | Public | | 2 | NNE | 2 | NNE | MANASOT | 26.95 | -82.35 | 26.95 | -82.35 | A large tre | A cold fron | 375 | | | |
| 829235 | SARASOTA NOKOMIS | ##### | 1740 | Lightning | | 0 | 0 | 50000 | 0 | FL | EST-5 | | 137983 | C | 115 | TBW | 0 | 0 | Broadcast | | 4 | ENE | 4 | ENE | NOKOMIS | 27.1378 | -82.3682 | 27.1378 | -82.3682 | Lightning v | Easterly flic | 376 | | | |
| 883963 | COASTAL S | ##### | 1723 | Wildfire | | 0 | 0 | 0 | 0 | FL | EST-5 | | 147053 | Z | 160 | TBW | 0 | 0 | Amateur R | | | | | | | | | | | | | Ham radio | Squall line | 377 | |
| 892120 | SARASOTA VENICE | 6/1/2020 | 1639 | Tornado | EFO | 0 | 0 | 0 | 0 | FL | EST-5 | | 148149 | C | 115 | TBW | 0 | 0 | Public | 0.62 | 75 | 1 | ENE | 1 | E | VENICE | 27.1077 | -82.4161 | 27.0988 | -82.4149 | A short live | A brief tor | 378 | | |
| 892158 | SARASOTA SUNNYLAN | 6/6/2020 | 1758 | Flood | | 0 | 0 | 0 | 0 | FL | EST-5 | | 147241 | C | 115 | TBW | 0 | 0 | Public | Heavy Rair | 1 | SW | 1 | SW | SUNNYLAN | 27.27 | -82.51 | 27.2694 | -82.5085 | Street and | Tropical St | 379 | | | |
| 892159 | SARASOTA BELSPUR | 6/6/2020 | 1807 | Flood | | 0 | 0 | 0 | 0 | FL | EST-5 | | 147241 | C | 115 | TBW | 0 | 0 | Public | Heavy Rair | 2 | WSW | 2 | WSW | BELSPUR | 27.31 | -82.48 | 27.3083 | -82.4793 | Street floo | Tropical St | 380 | | | |
| 892160 | SARASOTA OSPREY | 6/6/2020 | 1901 | Flood | | 0 | 0 | 0 | 0 | FL | EST-5 | | 147241 | C | 115 | TBW | 0 | 0 | Public | Heavy Rair | 1 | SE | 1 | SE | OSPREY | 27.19 | -82.49 | 27.19 | -82.4888 | River overf | Tropical St | 381 | | | |
| 892513 | SARASOTA VAMO | ##### | 1845 | Tornado | EFO | 0 | 0 | 0 | 0 | FL | EST-5 | | 148243 | C | 115 | TBW | 0 | 0 | Broadcast | 0.4 | 75 | 3 | ENE | 3 | NE | SARABAY | 27.24 | -82.44 | 27.2343 | -82.4402 | A brief tor | A strong th | 382 | | |

LMS-Appendix J
CROSSWALK to be ADDED
ONCE FINAL REVIEW
RECEIVED

LMS-Appendix K

CONSERVATION AND COASTAL MANAGEMENT ELEMENT

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CONSERVATION AND COASTAL MANAGEMENT

I. NATURAL RESOURCES

A. INVENTORY AND ANALYSIS

The entire eastern shoreline of Longboat Key (Figure 1) lies along Sarasota Bay, with its western shoreline consisting entirely of gulf frontage. Longboat Pass defines the northern limits of the Town, while New Pass is considered the southern limits. Prior to development, Longboat Key was an overwash barrier island consisting of a fore and back beach, and a coastal ridge. Many of the typical estuarine communities were in evidence, yet due to extreme development pressures, very little, if any, of the natural ecosystems of Longboat Key remain today. Longboat Key has essentially reached build-out in terms of future development opportunities. Open Space and Conservation Areas on, or adjacent to, Longboat Key have been designated previously in past planning efforts. These Conservation Areas are limited to the following:

1. All tidally influenced water bodies connected to and including Sarasota Bay, along the eastern, northern and southern shorelines of Longboat Key; Sarasota Bay, classified by the Florida Department of Environmental Protection (FDEP) as an Outstanding Florida Water (OFW), consisting of Class II and Class III areas;
2. Gulf of Mexico beach areas, along the western shoreline of Longboat Key, waterward of the designated Erosion Control Line (ECL);
3. Longboat Key named features including Buttonwood Harbor and Millar Bay areas;
4. Sarasota Bay island preserves known as the Town Islands (State Wilderness Area);
5. Joan M. Durante Park;
6. Quick Point Nature Preserve;
7. Sister Keys; and,
8. Greer Island Beach Park.

These areas are depicted in Figure 2, Environmental Features, along with remnant wetland fringes (designated as Open Space) and constitute the last remaining non-developed areas of Longboat Key (see Recreation and Open Space Element). There are no significant riverine systems existing on the barrier island that delineates Longboat Key. The only lakes existing are small stormwater treatment systems that were co-utilized for fill purposes in order to raise the building pad elevations for flood protection.

The Town has adopted Conservation-Coastal Policy 1.7.3 (and Transportation Policy 1.9.3), which directs that exotics, specifically, Australian Pines (*Casuarina equisetifolia*) be removed where they threaten evacuation routes or utility locations. Further, the Town has adopted a local ordinance that refunds homeowner's for the removal of up to three Australian Pines annually. The Australian Pine habitats shown on Figure 2 are depicted to indicate the concentration of seed sources which must be removed.

Longboat Key is considered an urban setting with limited natural ecosystems. From this perspective, environmental impact assessments for those remaining natural systems should primarily focus on urban stormwater runoff quality and, to a lesser extent, on associated water quality impacts from ongoing recreational boating activity. These will be further discussed in the following sections.

B. COMMERCIAL MINERAL EXTRACTION

There are no known commercial mineral mining or extraction activities presently underway on Longboat Key. No future related activity is expected to occur.

C. SOIL EROSION PROBLEMS

The principal soil erosion issue in the Town of Longboat Key is beach movement typical of a barrier island. The degree of past upland development has generally precluded significant other surface soil erosion, although localized silt transport into canals and other surface water does occur. The entire gulf shoreline of the Town has been designated as critically eroded by the FDEP. Fore beach movement, by means of longshore and off-shore sand transport, is a natural process caused by seasonal changes in winds and currents, exacerbated during time of storms. On many developed barrier islands such as Longboat Key, this natural sand accretion and erosion process was altered by human intervention in the form of shoreline armoring (e.g., revetments, seawalls, rip-rap, etc.). Current scientific opinion points to these armoring attempts as the cause for accelerated erosion along barrier island shorelines. While armoring a section of shoreline may temporarily alleviate erosion in that particular area, the natural longshore transport process is interrupted, thus causing erosional imbalances along the coastline.

Numerous armoring structures were built over the years, on both the gulf and Sarasota Bay sides of Longboat Key, resulting in varying levels of success. Residents, particularly those living along the gulf were greatly concerned with beach erosion and storm vulnerability. This concern prompted the establishment of a Beach Renourishment Funding Committee, studies assessing beach erosion (1982, USACE), an Erosion Prevention District (1987), and two special taxing districts to address beach erosion (1992). The resulting initial restoration and continued maintenance renourishment of the gulf beach is more fully described in Section IX. Stormwater run-off as a result of island development has not caused chronic erosional problems.

D. FLORA AND FAUNA HABITATS

Given the known habitats existing on Longboat Key, while taking into account the degree to which the barrier island has been developed, a comprehensive listing of flora and fauna species occurring or likely to occur on Longboat Key was developed. On Table 1, each species is listed with the expected habitat in which it can be found. The following existing habitats of Longboat Key were utilized:

| | |
|-----|------------------------------|
| FB | Fore Beach |
| BB | Back Beach |
| CR | Coastal Ridge |
| NEC | Naturalized Exotic Community |
| PF | Pine Forest |
| HF | Hardwood Forest |
| TM | Tidal Marsh/Flats |
| TS | Tidal Swamps |
| GBW | Gulf / Bay Waters |
| SG | Seagrass Beds |

TABLE 1
STATE AND FEDERALLY LISTED SPECIES OF THE LONGBOAT KEY AREA

| Common Name | Scientific Name | Habitat(s) | FNAI | FWCC | USFWS |
|-------------------------------|---|--------------|-----------------|-------|----------------|
| REPTILES AND AMPHIBIANS | | | | | |
| American alligator | <i>Alligator mississippiensis</i> | TM/TS | | SSC | T |
| Loggerhead Turtle | <i>Caretta caretta</i> | FB/BB | S3 ¹ | T | T |
| Green turtle | <i>Chelonia mydas</i> | FB/BB | S2 ¹ | E | E |
| American crocodile | <i>Crocodylus acutus</i> | TM/TS/SG | | E | T ⁴ |
| Leatherback turtle | <i>Dermochelys coriacea</i> | FB/BB | S3 ¹ | E | E |
| Hawksbill Turtle | <i>Eretmochelys imbricata</i> | FB/BB | S1 ³ | E | E |
| Gopher tortoise | <i>Gopherus polyphemus</i> | CR/NEC/PF/HF | S3 ³ | SSC | |
| Kemp’s Ridley turtle | <i>Lepidochelys kempii</i> | FB/BB | S3 ² | E | E |
| Gopher frog | <i>Rana capito</i> | CR/NEC/PF/HF | | SSC | |
| Eastern Indigo Snake | <i>Drymarchon corais couperi</i> | CR/NEC/PF/HF | S2 ³ | T | T |
| FISH | | | | | |
| Smalltooth sawfish | <i>Pristis pectinata</i> | GBW | | | E |
| Gulf Sturgeon | <i>Acipenser oxyrinchus desotoi</i> | GBW | S2 ³ | SSC | T |
| MAMMALS | | | | | |
| West Indian Manatee | <i>Trichechus manatus latirostris</i> | GBW/SG | S2 ¹ | E | E/CH |
| Florida Mouse | <i>Peromyscus floridanus</i> | CR/NEC/PF/HF | | SSC | |
| BIRDS | | | | | |
| Roseate spoonbill | <i>Platalea ajaja</i> | TM/TS | | SSC | |
| Snowy Plover | <i>Charadrius alexandrinus</i> | TM/FB | | T | |
| Piping Plover | <i>Charadrius melodus</i> | TM/FB | S2 ³ | T | T |
| Little blue heron | <i>Egretta caerulea</i> | TM/TS | | SSC | |
| Snowy egret | <i>Egretta thula</i> | TM/TS | | SSC | |
| Tricolored heron | <i>Egretta tricolor</i> | TM/TS | | SSC | |
| Arctic peregrine falcon | <i>Falco peregrinus tundrius</i> | All* | | E | |
| Southeastern American Kestrel | <i>Falco sparverius paulus</i> | All* | | T | |
| American oystercatcher | <i>Haematopus palliatus</i> | TM/FB/BB | | SSC | |
| Bald Eagle | <i>Haliaeetus leucocephalus</i> | All* | S3 ² | T | |
| Brown Pelican | <i>Pelecanus occidentalis</i> | TM/TS/GBW/SG | | SSC | |
| Black Skimmer | <i>Rynchops niger</i> | GBW/FB/BB | S3 ¹ | SSC | |
| Least Tern | <i>Sterna antillarum</i> | GBW/FB/BB | S3 ¹ | T | |
| Roseate Tern | <i>Sterna dougallii</i> | GBW/FB/BB | | T | |
| Wood Stork | <i>Mycteria americana</i> | TM/TS | S2 ² | E | E |
| Reddish Egret | <i>Egretta refescens</i> | TM/TS | | SSC | |
| | | | Status | | |
| Common Name | Scientific Name | Habitat(s) | FNAI | FDACS | USFWS |
| PLANTS | | | | | |
| Aboriginal Prickly Apple | <i>Harrisia aboriginum</i> | TS/CR/BB | S1 ³ | E | |
| Sanibel lovegrass | <i>Eragrostis pectinacea</i> var. <i>tracyi</i> | BB/CR | S1 ² | E | |
| Nodding Pinweed | <i>Lechea cernua</i> | BB/CR/NEC | S3 ³ | T | |
| Beach-creeper | <i>Emodea littoralis</i> | BB/CR/NEC | | T | |
| Florida coontie | <i>Zamia floridana</i> | PF/HF/NEC/CR | | CE | |

Sources: Florida Natural Areas Inventory (FNAI) <http://www.fnai.org>. Query results obtained August 23, 2007. *Florida’s Endangered Species, Threatened Species, and Species of Special Concern*. Florida Fish and Wildlife Conservation Commission (FWC), June 2006. *Federally Listed & Candidate Species in Sarasota and Manatee Counties, Florida*. <http://www.fws.gov>. Updated July 18, 2007. *Notes on Florida’s Endangered and Threatened Plants*. FDACS, 2003.

- Key:
¹ Observation record from Florida Natural Areas Inventory (documented on LBK).
² Observation record from Florida Natural Areas Inventory (likely on LBK).
³ Observation record from Florida Natural Areas Inventory (potentially on LBK).
⁴ Last documented in 1953 (FWS, 2007)
* Winter visitor

| | | | |
|------------|---|--------------|--|
| E | Endangered | T | Threatened |
| T | Threatened | FWCC | Florida Fish and Wildlife Conservation Commission |
| SSC | Species of Special Concern | USFWS | U.S. Fish & Wildlife Service |
| CE | Commercially Exploited | FDACS | FL Department of Agriculture and Consumer Services |
| S1 | Critically Imperiled in Florida (<1000) | S2 | Imperiled in Florida (< 3000) |
| | | S3 | Either very rare or found in a restricted range in Florida |

II. KNOWN POLLUTION PROBLEMS

Several factors dictate the nature of potential estuarine pollution on Longboat Key. Future construction is limited primarily to residential development. Many of the earlier residential developments on Longboat Key (prior to 1970) were constructed at a period in time when stormwater quality treatment controls were not required to be incorporated into a project's overall design. Thus, on the island urban stormwater run-off controls were not developed to optimal conditions. It is not known what percentage of the island was developed without stormwater quality controls. In the mid-1970's, the entire island was placed under a central sewage collection system, with treatment taking place on mainland Manatee County. Additionally, it was during this period of time that water quality and quantity controls were beginning to become required of Longboat Key development.

Along with the residential component of Longboat Key, tourism and recreation make up another major segment of island development. Figure 3 depicts three commercial marinas, one public mooring area, and four private marinas. Other than urban stormwater run-off, boating related pollution rates highly in terms of threatening estuarine health and productivity, providing a persistent threat to the surrounding water bodies' flora and fauna species. Boat densities, compounded by poor bay circulatory patterns, can lead to a build up of pollutants over time. A key to correcting these problems is the utilization of best management practices at the boat harborages. For example, strict rules and ordinances need to be implemented for prohibiting the discharge of any wastes into the waters of a facility. Sewage pump-out stations should be required for all in-water moorings. Additionally, any required maintenance dredging of canals or similar areas for navigational purposes should include the use of turbidity screens in order to keep sediments from unnecessarily fouling ambient water quality.

In addition to water quality controls, adverse flora and fauna impacts can result from boating. Seagrass bed prop dredging can occur as a result of taking boats over the shallower grass flats, along with the potential damage of boating impacts on manatees. The manatee "boat kills" in the bay waters off of Longboat Key have not occurred to the same degree as areas to the south. The potential remains great if education and boater caution are not exercised. Sarasota County and Longboat Key recently adopted manatee protection plan ordinances to further protect the manatees.

Longboat Key continues to concentrate on urban stormwater run-off and boating-induced water quality programs as primary areas of concern. Future adverse environmental impacts may be held to a minimum if proper water quality best management practices are applied to the Town's designated conservation areas. Current state water quality controls and strict maintenance and monitoring programs should continue to be utilized for all future Longboat Key development.

In addition to pollution, a phenomenon that continues to adversely affect Longboat Key is red tide. Red tide is the result of massive multiplication (or "bloom") of tiny, single-celled algae called *Karenia brevis* (K. brevis) usually found in warm saltwater, but which can exist at lower temperatures. It is a natural phenomenon. In high concentrations, K. brevis may create a brownish-red sheen on the surface of the water; in other instances, it may look yellow-green, or may not be visible at all. Although not scientifically confirmed as the cause, a red tide event in 2005 is thought to have contributed to a 'dead zone' in the Gulf of Mexico that encompassed an

estimated 2,500 square miles (State of the Bay 2006, Sarasota Bay Estuary Program, 2006). No one has been able to predict with accuracy when or where red tide will appear or how long it will last as it is affected by many variables such as weather and other factors.

K. brevis blooms are initiated miles offshore of the Florida gulf coast, moving onshore with winds and ocean currents. Scientists believe that *K. brevis* algae may enter a dormant state at some point in their life cycle, forming cysts that settle miles off the west coast of Florida in ocean bottom sediments creating a “seed bed” effect. They think that strong flows of warm water from the Gulf Stream have carried the algae up the East Coast and inshore to the Carolinas.

Irritations of the eyes, nose, throat, tingling lips and tongue are common symptoms that often occur during red tides. Waves, wind and boat propellers in high concentrations of red tides disperse toxin particles into the air causing problems for people along the shoreline and on the gulf beaches. People suffering from severe or chronic respiratory conditions such as emphysema or asthma should avoid red tide areas. Symptoms usually disappear within 24 hours once the exposure is discontinued. Ingestion of water containing toxins produced by *K. brevis* may result in more severe complications to mammals.

K. brevis produces a poison, or toxin. Filter-feeding shellfish, oysters, clams, mussels and other bivalve mollusks that consume *K. brevis* concentrate the toxin in various organs. Red tide toxins can be deadly to finfish. These toxins also are incorporated into the marine aerosol, which causes the respiratory irritation to people along the shore. The Town of Longboat Key financially supports S.T.A.R.T. (Solutions to Avoid Red Tide, Inc.), which is dedicated to promoting efforts for control and mitigation of red tide in an environmentally responsible manner and is committed to education outreach as its primary mitigation strategy. START is a partnership composed of the Florida Department of Health in Tallahassee, Mote Marine Laboratory in Sarasota, and the FWCC-Florida Fish & Wildlife Research Institute in St. Petersburg (<http://www.start1.com/>).

III. SHORELINE USE CONFLICT

The land use element does not depict present or future conflicts between “shoreline” uses. The major issues discussed in that section are related to intensity differences, primarily resulting from the Town’s efforts to reduce its build out potential to levels manageable by its infrastructure and its exposed location. Specific coastal related issues that can be considered conflicts are these:

- Water Recreation versus Drainage
- Urbanization versus the Natural Setting
- Privatization versus Public Access
- Active Recreation versus Passive Recreation

A. WATER RECREATION VERSUS DRAINAGE

The basis for Longboat Key’s visual, scenic, recreational, and boating amenities is the water. All aspects of this amenity can become lost through extreme pollution. Longboat Key, however, benefits from a relatively clean Gulf of Mexico setting and from Sarasota Bay, which has moderate pollution problems. Sheet flow from Gulf of Mexico Drive, along with other drainage

systems on Longboat Key, contributes to Sarasota Bay problems. Older areas of the Town have direct non-point stormwater discharge from suburban areas, which washes accrued contaminants from parking lots into the Bay or into drainage structures that also directly discharge into the Bay. This is a lesser problem for the gulf, with only one known outfall (see Stormwater Sub-Element).

The gulf's water quality allows unlimited recreation opportunities and the Bay's water quality is still generally safe for human contact notwithstanding frequent shellfish bans. Therefore, the Town continues to enjoy the Bay's amenities.

B. URBANIZATION VERSUS THE NATURAL SETTING

The Town's existing urban structure has displaced the greater part of the Town's natural setting. A large part of the remaining undeveloped portion of the Town has been invaded by exotic vegetation, notably Brazilian Peppers (*Schinus terebinthifolius*) and Australian Pines (*Casuarina equisetifolia*). Development has altered substantial parts of the Town's Bay and gulf shoreline. Much of the island's bayfront has been dredged or filled, resulting in loss of much of the bayside fringing vegetation. Gulfside development has displaced the greatest part of the natural dune system, although beach and dune restoration has become a condition of development approval. Storms and erosion have caused parts of the beach to retreat to gulfside structures. Some structures have been lost through time. Elsewhere, many owners historically resorted to seawalls, revetments, riprap, and groins for protection.

Future growth has absorbed the majority of upland areas not already in public ownership. Greater setbacks exercised on the gulfside and passes, and prohibitions against further significant dredging and filling activities or armoring of the shoreline should result in fewer future impacts on the natural shoreline. Exceptions for beach renourishment, however, are clearly needed as discussed in succeeding sections.

C. PRIVATIZATION VERSUS PUBLIC ACCESS

The Town has limited public access, in that the greatest part of the Town's shoreline above mean high water is held in private ownership. This is common for Florida communities. The remaining parts of the Town's shoreline have access in one of two ways: free or commercial.

Free public access to the beach and bay is spaced at irregular intervals along the shoreline. One relatively large area, the Greer Island Beach Park, located on the gulfside on the island's northern end, has three separate parking areas, two with improvements. Smaller unimproved areas exist near mid-key and on the island's southern end, providing parking and access to the New Pass areas. There are other sites with small shore side parking areas near the access points. The Town's public access facilities are further discussed in Section X and mapped in the Appendix.

Beach access is available through tourism establishments located on the gulf and includes all hotel, motel and temporary rental space. This commercial access is a large part of the Town's economic base, and meets what may be considered its share of the State's tourism goal for public access.

Commercial public bay access is very limited. There are only one public mooring area, three commercial marinas, five restaurants with docks, and residential development with associated boat slips. The Longboat Key Moorings is one of the largest on the west coast of Florida and contains 278 boat slips.

A listing of the three commercial marinas, with slip counts of each, follows :

| | <u>Wet Slips</u> | <u>Dry Slips</u> | <u>Total Slips</u> |
|-----------------------|-------------------------|-------------------------|---------------------------|
| Cannons | 27 | 8 | 35 |
| The Boathouse | 11 | 194 | 205 |
| Longboat Key Moorings | 278 | 0 | 278 |
| Total Slips: | 316 | 202 | 518 |

The currently limited free access to the beach and the similarly limited free and commercial access to the bay results from the Town's urbanization pattern. Future growth will virtually ensure that existing access sites will serve as the upper limit of access in the Town. This may intensify as the smaller, older, commercial beach access accommodations may transfer ownership or redevelop as residential units or similar private restricted land uses.

The amount of public beach available has been dramatically enhanced by the adoption and recordation of an Erosion Control Line (ECL), pursuant to State Statutes in 1993. Although a small portion of island had established an ECL prior to the beach restoration project of 1993, the establishment of the 1993 ECL, together with the deposition of almost 6.26 million cubic yards of sand during various beach nourishment events has dramatically increased the public portion of the beach on Longboat Key.

In 2005, the Florida Legislature approved House Bill 955, which focuses on the preservation of recreational and commercial working waterfronts. By definition, recreational and commercial working waterfronts include wet and dry storage marinas. The legislation requires local governments to include strategies for preservation of such facilities that provide public access to navigable waters.

The marinas located within the Town (identified above) fit the definition and the Town has adopted policies that encourage their preservation. The Longboat Key Moorings is part of the Bay Isles Planned Development (PD), which does not include underlying residential density. The Boathouse and Cannon's are zoned M-1, a commercial zoning category that also does not include underlying residential density. To provide flexibility for non-residential redevelopment, outside of PDs, but including the M-1 zone district, the Town adopted Ordinance 02-19, Commercial Revitalization (Town Code, Section 158.175). The intent recognizes that non-residential development is important to the Town and that flexibility is available for parking requirements, minor building expansions and upgrades, landscaping and ADA compliance.

D. ACTIVE RECREATION VERSUS PASSIVE RECREATION

The intensity of use of the coastal resource is an issue that has been relevant for the Town since its inception. Active recreation in its various components (most commonly intense beach use at resorts, and boating at public and private marinas) has the side effects of noise, trash, pollution, and often, social discord. Passive recreation (quiet enjoyment of scenic amenities) has few side effects. However, to achieve the goals of passive recreation, greater management and enforcement of regulations is necessary in order to prevent the intrusion of the more disturbing active recreational activities, such as motorized vehicles on the beach or in the waters (boats, jet skis).

IV. NEED FOR WATER-DEPENDENT AND WATER-RELATED SITES

The Town is a water-oriented community that is largely built out. The redevelopment that is expected will primarily be driven by the tourism to residential conversions. Given the nature of the Town's development, its location in regard to the state and the nation, and the regional and state goals in support of tourism, it would be proper to consider the tourist facilities to be water dependent, but by state definition, these tourist-resort uses are water-related uses. Water-dependent uses would be marinas and public recreation areas. There are approximately 41 tourist or seasonal residential complexes in the Town with the majority of the facilities located on the gulf.

Water-related uses are also found in connection with virtually all housing on the island. These uses are primarily the extensive private dockage found on the bayside. Additionally water-related uses may also include waterfront restaurants, where the amenity attracts the facility's clientele. Water-dependent and water-related uses are depicted on Figures 3 and 4.

Future redevelopment within the Town will not generate a demand for more water-dependent and water-related facilities. With an approximate ratio of 1 boat for every 16 residents in the two-county area, and the current trend of population stability or slight decreases within the Town, there should be sufficient wet and dry slip availability to fulfill anticipated demand.

V. THE ECONOMIC BASE

Longboat Key is a coastal residential community with no industrial development and limited commercial activity. The Town's general operating revenues are largely derived from property taxes with the balance being comprised of franchise fees, utility service taxes, licenses and permits, intergovernmental revenues, charges for services, fines and forfeits, and miscellaneous revenues.

Although the Town's businesses are predominantly related to supporting residential activities, the tourist trade that makes an important contribution to the Town's economic base. There are approximately 41 establishments providing temporary housing to tourists or seasonal residents. Based on the Town's list of tourist related establishments, the Town provides 1,408 units. Of these 41 complexes, 25 would be classified as hotel/motel appealing to visitors seeking one-night lodging. These 25 complexes provide a total of 916 units/rooms. Using the Florida Division of

Hotels and Restaurant's list of Manatee and Sarasota County hotels/motels, the Town accounts for about 15% of the two counties' tourist related accommodations. The commercial business economy is dependent on both the private residential community and the tourist trade. The attractions for both private residents and tourists to live on or to visit Longboat Key are its bay and gulf coasts. The two coasts are vital bases for the island's economy.

VI. HISTORIC RESOURCES

Summarized from the Land Use Element, the Town has very few national registry sites. There is also one archaeological site. Future development in the coastal zone as forecasted in the Future Land Use Element is not expected to affect these sites.

VII. INVENTORY AND ANALYSIS OF ESTUARINE POLLUTION CONDITIONS

Estuarine pollution from Longboat Key has only been closely viewed in terms of protection measures dedicated to maintaining the environmental values of Sarasota Bay. Seagrass community habitat loss is difficult to measure due to a poor data base inventory of pre-development conditions. Boating impacts (e.g., water quality degradation from petroleum products, prop damage from shallow water vessel operation, etc.), have historically contributed to a reduction in bay productivity and health.

Water quality data collection on Longboat Key was virtually non-existent until recently. Residential areas and golf courses, no matter how well maintained, are generally considered non-point sources of nutrients in receiving waters. Surface water management systems for individual development parcels also tend to operate at less than appropriate efficiency levels if not maintained or constructed properly.

The Sarasota Bay Estuary Program (SBEP), in conjunction with the FDEP, has analyzed available water quality data and determined that all main portions of Sarasota Bay meet state water quality standards (State of the Bay 2006, SBEP, 2006). Yet, several sampling stations near developed portions of the Key have historically shown less than optimal conditions as a result of stormwater runoff.

Five water quality indices (nitrogen, phosphorus, chlorophyll; a, water clarity, and dissolved oxygen) were evaluated as part of the June 2007 National Estuary Program Coastal Condition Report (USEPA 2007). These five indices were used to assign water quality ratings for Sarasota Bay as a whole as well as smaller subsets of the entire waterbody. Approximately 40% of Sarasota Bay was rated as having good water quality, while a fair rating was assigned to 55% of the region; and, the remaining five percent was classified as poor. Station monitoring results in the vicinity of Longboat Key were rated as good with the exception of fair ratings at a single station in the central portion of the island and one near New Pass at the southern end of the island. The 2007 USEPA report concludes that:

SBEP analyses have shown that although temporal trends by segment indicate that water quality in Sarasota Bay is improving, water quality problems still exist in the (mainland) tributaries and the Bay segments receiving water from the tributaries. Seagrass coverage in Sarasota Bay has improved substantially in the past few years, with declines in submerged aquatic vegetation occurring at a much slower rate.

In terms of man-made impacts to the remaining natural resources of Longboat Key, there are no functioning septic tanks on Longboat Key. There are septic tanks located on Jewfish Key, which is a separate island located within the territorial limits of the Town, and which is not served by central a wastewater collection system.

As with wastewater, solid waste generated on Longboat Key is not believed to cause any substantial problems to the natural resources of the Key; as it is collected twice a week and hauled to an FDEP approved landfill facility on the mainland. No known landfills or dump sites exist on the Key that could adversely impact the estuarine community.

Longboat Key is served by the Manatee County Southwest Sub-Regional Wastewater Treatment Plant located on the mainland. The wastewater system consists only of a collection system, with no treatment facilities on the Key. The Town's wastewater system is currently in good working order, with no cited outstanding problems. Assuming that the wastewater transmission lines stay in good working condition, estuarine impacts should remain non-existent as a result. The Town is currently undertaking a 7-year capital improvement plan to rehabilitate and replace the existing wastewater system. System upgrades are scheduled to be completed in near future.

According to the Stormwater Sub-Element of the Infrastructure Element, a review of existing stormwater systems has been conducted. Within this Sub-Element, it is noted that there is one grandfathered condominium that has an outfall discharging directly into the Gulf of Mexico, while all others drain to either Sarasota Bay directly, or to interior retention areas. The Town of Longboat Key has sought to remedy this potentially adverse situation by disallowing any future stormwater management systems from directly discharging into Sarasota Bay or the gulf. In order to meet state water quality criteria, new developments and applicable redevelopments are required to develop drainage systems that concentrate on retention of stormwater and have no detrimental impact on surrounding areas. In 1986, the State of Florida designated Sarasota Bay as an Outstanding Florida Water (OFW). This designation essentially requires all new development (with outfall to the Bay), to limit discharge so that water quality of the Bay will not be lowered as a result of that development's runoff. In other words, it is required that the post-development water quality shall meet or exceed the pre-development water quality at the point of outfall.

Local researchers have indicated bay management must be viewed in its entirety, with each affected local government's comprehensive land use plan adopting similar language. Consequently, an intergovernmental coordination effort was initiated in 1986 for the development of goals, objectives and policies for the management of Sarasota Bay. The Town of Longboat Key will continue to play a vital role in the future preparation of a resource management plan for Sarasota Bay. This effort was reinforced in 1987 when the 100th Congress

reauthorized the Water Quality Act, which contained a part (Section 317. National Estuary Program) instructing the U. S. Environmental Protection Agency (EPA) to identify and protect nationally significant estuaries and to encourage development of comprehensive conservation and management plans. The Act states that the Administrator of the EPA is to give priority consideration to 12 coastal systems including Sarasota Bay. The Governor of Florida formally nominated Sarasota Bay to the EPA in May 1987. Thereafter, Sarasota Bay was formally included in the National Estuary program.

Since the Sarasota Bay Estuary Program's (SBEP) initiation, numerous technical studies of the Bay and surrounding areas have been completed, a summarization, which is included in the program's publication 1995 Comprehensive Conservation and Management Plan, *The Voyage to Paradise Reclaimed*. Supplemental information on the status and management of the Bay is provided in the SBEP State of the Bay 2006 report, and USEPA (2007) National Estuary Program Coastal Condition Report. The Town will continue to provide on-going assistance and participation in furthering the goals of the SBEP.

Due to limited pre-development environmental data, it is difficult to ascertain the degree to which Longboat Key has lost its natural systems. Man-induced landform alterations, whether direct or indirect, has resulted in nearly a total loss of the Key's gulfside natural ecosystems. Currently, local, state, and federal regulations have focused preservation efforts on those remaining natural systems, which are associated with and contribute to the Sarasota Bay side of Longboat Key. Remaining are small fringes of wetland ecosystems primarily on the bayside of the Key. These have been designated as Open Space (OS) on the Town's comprehensive land use maps.

Overall, water quality of Sarasota Bay is considered "good." Only in recent years, have researchers begun to measure and assess the direct and indirect impacts of the Key's widespread residential and commercial dredging and filling. These development activities, along with navigational pass and Intracoastal Waterway dredging, have prompted concern over the health, integrity and productivity of the bay system. Due to the very limited development opportunities available on Longboat Key, future Town planning emphasis should be directed towards participation in the implementation of the aforementioned bay management plan's goals, objectives, and policies. Longboat Key should take an active approach in local estuarine pollution control through the following methods:

- Strict adherence to current water quality regulations and standards;
- Application of water quality best management practices;
- Maintain remaining natural ecosystems, as designated; and,
- Active participation in present and future Sarasota Bay Management planning activities.

The Town has been an active interagency participant in SBEP activities to date, including the 34-acre wetland habitat restoration project at Quick Point Nature Preserve located on the southeastern tip of Longboat Key, just north of New Pass. A second interagency project implemented the Florida Yard Program guidelines at the Town's Bicentennial Park, where landscaping to reduce stormwater runoff pollution and conserve water is shown. A third site for

the Town's interagency action with SBEP, FDEP, and USFWS is the Town's Joan M. Durante Park. A current restoration area under construction for the Town is on Sister Keys.

Considering the extent to which Longboat Key is built out, primary actions on the part of the political decision makers of the Town of Longboat Key should be to direct local staff to coordinate and lend technical assistance in the implementation of the Sarasota Bay Comprehensive Management Plan whenever practicable. Future Longboat Key development, though limited, should be reflective of those goals, objectives and policies that are in the management plan. Close cooperation with Sarasota and Manatee Counties, as well as all state and federal environmental regulatory agencies, is imperative to making any bay management plan successful.

VIII. EMERGENCY MANAGEMENT

In response to the effects of several hurricanes impacting the Florida since 2004, the Federal Emergency Management Agency (FEMA) and State of Florida Division of Emergency Management have cooperatively funded a program to comprehensively update regional hurricane evacuation studies. Due to the nature and extent of this effort, the Regional Planning Councils have been tasked with coordinating the evacuation studies on a state-wide basis in order to integrate newly collected data and computer modeling into the regional plans, the findings of which will be coordinated with local county and municipal governments over the next two years (Southwest Florida Regional Planning Council 2006 Annual Report, 2006). Planning activities related to the performance of data collection, computer modeling, and development of updated programs is scheduled to be completed in late 2008. The Town of Longboat Key should closely coordinate with the Tampa Bay and Southwest Florida Regional Planning Councils as well as Manatee and Sarasota Counties to assure that the Town's emergency management needs are satisfied by the updated hurricane evacuation studies.

A. NATURAL DISASTER PLANNING

The entire Town is subject to hurricane inundation. It is unlikely that, given the nature of hurricane warnings, only part of the Town will be required to evacuate due to a storm. Because the Town is a barrier island exposed to all the forces of the storm, and only accessible by road routes (Figure 5) that go through other barrier islands before reaching the mainland, any hurricane warning should require the Town to evacuate. This element begins with that initial assumption. In recognition that a comprehensive update to the regional hurricane evacuation plan is underway, the Town of Longboat Key has updated the findings of the previous study prepared by the Southwest Florida Regional Planning Council. When the regional plan is completed in late 2008, the Town will update the appropriate sections of the comprehensive plan.

1. Hurricane Vulnerability Zone

The Tampa Bay Regional Planning Council (TBRPC) and Southwest Florida Regional Planning Council (SWFRPC) Hurricane Studies, initially undertaken in 1981, state that the Town is in the Category 1 (Saffir-Simpson Scale) zone. Sarasota County's computer modeling of storm surge indicates that a landfalling Category 1 hurricane will have an

accompanying storm surge of four to seven feet, and a Category 3 hurricane will generate a nine to fourteen foot storm surge without wave action or tidal influence. This means that the lowest intensity storm classified as a hurricane has the potential for inundating the natural parts of the island. Greater intensity storms generate similar results with higher potential water levels due to storm surge with greater potential for erosion or breach.

Both Manatee and Sarasota County Natural Disaster Plans recognize this problem for the Town. Each County expects to assume approximately one-half of the responsibility for managing the Town's evacuation, following county line boundaries.

2. Hurricane Evacuation

The SWFRPC has a lead role in the area of natural disaster planning in relation to hurricane vulnerability, and therefore the Town requested that the SWFRPC originally provide the hurricane evacuation analysis for this section of the Comprehensive Plan. Shelter and special needs analysis was originally prepared by the Town.

According to the SWFRPC, the Town will be within the 18-hour SWFRPC standard for time of evacuation. SWFRPC staff has prepared evacuation and clearance time estimates for Longboat Key, based upon information on residential unit types. It was necessary to review information from the Sarasota County Planning Department regarding the "Lido Key 1" Hurricane Evacuation Zone in order to examine the impacts of a Longboat Key evacuation. It was also necessary to obtain information from the 1990 U.S. Census, the Florida Statistical Abstract, and the Florida Department of Business & Professional Regulation, regarding residential unit types in Bradenton Beach. The need for information on these two areas derives from the fact that their evacuation traffic streams will mix with Longboat Key evacuation traffic during any evacuation event. Thus, evacuation impacts for these communities were calculated as well.

In the Town's original request for evacuation information, it indicated that the Manatee County portion of Longboat Key would evacuate into Manatee County (to the north), and that the Sarasota County portion of the island would evacuate into Sarasota County (to the south). Thus, two entirely separate evacuation streams would be generated in any evacuation event. Therefore, the SWFRPC provided separate analyses of both the southern and northern evacuation streams.

All three island areas would be expected to receive storm surge during a landfalling Category 1 Hurricane. Therefore, the SWFRPC considered this the worst case evacuation scenario for all three islands. Typically, SWFRPC staff utilizes two "seasons" for hurricane evacuation purposes: "July" and "November." The July season represents a hurricane that occurs during the early part of hurricane season (June through August). The November season represents a hurricane that occurs late in the season (September to December 1). The July season analysis assume a smaller population than the November analysis, as will be shown in Tables 2A and 2B.

Previous SWFRPC evacuation studies have utilized 1.1 as the average number of evacuating vehicles per household. Therefore, the SWFRPC utilized this figure as a multiplier to arrive at the number of evacuating vehicles. The recently approved 2006 Tampa Bay Regional Hurricane Evacuation Update bases hurricane evacuation time estimates on the assumption that only 70% to 80% of the area vehicles will be utilized for evacuation purposes. By assuming that a larger number of vehicles will be utilized in evacuating the residents and visitors from the Town, the conservative nature of the study is further demonstrated.

The Town of Longboat Key also utilized standard “Household Size” or “Persons-Per-Household” estimate from the 1994 Florida Statistical Abstract, in order to develop the number of evacuating people for each scenario. In Sarasota County, household size is 2.17; while in Manatee County it is 2.27. The 2000 U. S Census Bureau data indicates that the average household size in the Town is 1.89.

Current estimates of population based on the U. S. Census Bureau Community Survey Current Population Survey indicates that the Towns of Longboat Key (-2.60%) and Bradenton Beach (-0.70%) have experienced a net decrease in population recently. Alternatively, Lido Key has experienced a net increase (0.60%) in population over the same period. Based on this information, the assumptions on which the SWFRPC conservative estimates of evacuating populations and time for evacuation are considered representative of actual conditions and will therefore be utilized in the following assessment. As noted previously, upon completion of the regional hurricane evacuation plan in 2008, this section of the comprehensive plan should be updated to reflect current conditions.

In preparing this evacuation estimate, the SWFRPC utilized the residential unit types as included in the Town’s EAR of the Future Land Use Element, as well as similar information for the Lido Key 1 Evacuation Zone and for Bradenton Beach. However, they included the Town’s category “Accessory to Churches” in “Single-Family” and “Accessory to Commercial in “Multi-Family.” The unit types used in this analysis were “Single-Family”, “Mobile Home” (including Manufactured Homes), “Multi-Family” (including apartments, condominiums, and “Accessory to Commercial”), “Duplex” (including other types of “-plexes”), and “Hotel/Motel” (the Town’s “Tourist Category”).

Each of these unit types has a different occupancy (or vacancy) rate as well as a different rate for each of the two “seasons.” The number of people residing in a particular type of unit is derived from the following formula:

of Units x Seasonal Occupancy Rate x County Household Size = # of Residents.

A similar formula is utilized for determining the traffic generated by a particular type of residential unit. This formula is as follows:

of Units x Seasonal Occupancy Rate x 1.1 = Traffic Generated by Units.

TABLE 2A
ESTIMATED CLEARANCE TIME AND EVACUATION TIME FOR
LONGBOAT KEY 1 (SARASOTA) AND LIDO KEY 1 SOUTHERN ROUTE

Based on these assumptions, the calculated evacuation and clearance times for a Category 1 Hurricane for Longboat Key and adjacent areas were as follows:

| YEAR | SEASON | TOTAL POPULATION | TOTAL VEHICLES | CLEARANCE TIME | TOTAL EVACUATION TIME** |
|------|----------|------------------|----------------|----------------|-------------------------|
| 1995 | July | 9,219 | 4,673 | 6.7 Hours | 14.7 Hours |
| 1995 | November | 11,124 | 5,640 | 8.1 Hours | 16.1 Hours |
| 2001 | July | 9,649 | 4,893 | 7.0 Hours* | 15.0 Hours |
| 2001 | November | 11,583 | 5,872 | 8.4 Hours* | 16.4 Hours |

* Assumes current 50/50 capacity of 700 vehicles per hour

** Assumes an 8-hour pre-landfall hazard time

Household Assumptions

1995 Longboat Key (Sarasota County) - 5,392 Households

1995 Lido Key 1 Zone - 2,288 Households

2001 Longboat Key (Sarasota County) - 5,592 Households

2001 Lido Key 1 Zone - 2,311 Households

TABLE 2B
ESTIMATED CLEARANCE TIME AND EVACUATION TIME FOR
LONGBOAT KEY 1 (MANATEE) AND BRADENTON BEACH NORTHERN ROUTE

| YEAR | SEASON | TOTAL POPULATION | TOTAL VEHICLES | CLEARANCE TIME | TOTAL EVACUATION TIME** |
|------|----------|------------------|----------------|----------------|-------------------------|
| 1995 | July | 7,495 | 3,633 | 5.3 Hours | 13.3 Hours |
| 1995 | November | 8,822 | 4,275 | 6.2 Hours | 14.2 Hours |
| 2001 | July | 7,856 | 3,808 | 5.5 Hours | 13.5 Hours |
| 2001 | November | 9,211 | 4,464 | 6.5 Hours | 14.5 Hours |

Household Assumptions

1995 Longboat Key (Manatee County) - 3,611 Households

1995 Bradenton Beach - 1,885 Households

2001 Longboat Key (Manatee County) - 3,773 Households

2001 Bradenton Beach - 1,906 Households

The results for each type of unit are totaled separately, and are then added together to derive the total evacuating population or the total number of evacuating vehicles. All evacuation analyses assume some restrictive portion of the appropriate evacuation route, where capacity problems are likely to slow evacuation traffic. This portion of the evacuation route is known as the "Restrictive Link." The Southwest Florida Regional Planning Council's 1991 Hurricane Evacuation Study Update utilized the Causeway between St. Armand's Key and Bird Key as the Restrictive Link for the southern (Sarasota County) Hurricane Evacuation route. In its 1992 Tampa Bay Regional Hurricane Evacuation Study Update, the TBRPC utilized the Cortez Bridge as the Restrictive Link for the northern (Manatee County) evacuation route. The SWFRPC utilized these two Restrictive Links in the analyses.

Normally, staff would analyze the two evacuation routes under various evacuation scenarios involving Category 1, Category 2, Category 3 and Categories 4/5 Storm Surge flooding areas based upon the SWFRPC and TBRPC Sea, Lake and Overland Surges from Hurricanes (SLOSH) Model Maps. This would involve the selection of different critical links for each route as the hurricane category increased, and more and more evacuation zones were added to the traffic stream. However, the areas incrementally added for successive storm categories (up to Categories 4/5) in northern Sarasota and Manatee Counties are so narrow that such an analysis is not necessary. Island evacuees can be considered safe from flood danger upon reaching the mainland. Thus, only Category 1 Hurricane Evacuations need to be examined. All evacuation times discussed in this study utilize "Slow" or worst case conditions. A Slow evacuation time assumes that evacuation begins during a normal workday. Parents must leave work, remove children from school, and hurriedly make family preparations for the storm and evacuation. Some normal daily traffic continues while the evacuation is in process, thus presenting evacuees with competing traffic. Normally, TBRPC staff performs "Intermediate" and "Fast" evacuation time analyses for evacuation zones. However, the capacity information necessary to perform these analyses was not available for the Cortez Road Bridge. TBRPC staff arrived at the listed evacuation times by simply dividing the number of vehicles on a given evacuation route by the road capacity at the Restrictive Link for that route. The resulting number represents the time (expressed in hours) required to evacuate all vehicles past the Restrictive Link, from "first on" to "last off."

In the Regional Evacuation Study, as well as in both the currently adopted and proposed Regional Plans, the SWFRPC has advocated the use, as a planning tool, of an 18-hour maximum evacuation time for hurricane-threatened areas. The 18-hour time period is derived from tolerances associated with hurricane movement and directional forecasts. At 18-hours prior to projected land fall, a hurricane is considered, by meteorologists, to have a 50/50 chance of either making landfall near the projected point, or veering away in another direction. Thus, this time period seems to represent the earliest point in time at which landfall can be reasonably projected for any given location. Thus, 18-hours would seem to be the maximum time available for evacuation.

Since safe evacuation can only be carried out prior to arrival of sustained tropical storm force winds (39 mph) and/or flooding in any area, the actual evacuation time available is likely to be less than 18 hours. However, any evacuation plan that exceeds 18 hours can be considered unsafe, and mitigation to lower the evacuation time is advised. Mitigation may consist of any combination of road improvements, manual traffic control plans, land use regulations and shelter requirements, as may be necessary.

An additional time-related factor considered by Emergency Management Officials during hurricane events is "Pre-Eye Landfall Hazard Time." Tropical storm force winds, storm surge and/or rainfall flooding can precede the arrival of the eye of the hurricane in a given location by as much as eight to twelve hours. Pre-Eye Landfall Hazard Time is merely the time interval between the arrival of tropical storm force winds and actual landfall (the point in time at which the landward edge of the hurricane's eye, or center, touches the shoreline). In order for the evacuation to be successfully undertaken, it must be completed before the arrival of tropical storm force winds. Thus, the estimated Pre-Eye Landfall Hazard Time should be added to the estimated evacuation times in order to arrive at an estimate of the time actually available for evacuation. This time is now calculated by each county based on the specific characteristics of each hurricane as stated within the tropical cyclone advisory. The total time period resulting from this addition is known as Total Evacuation Time. In the tables presented below, the SWFRPC has utilized a standard Pre-Eye Landfall Hazard Time of eight hours to arrive at estimated Total Evacuation Times.

Finally, each calculation in the SWFRPC study assumed that evacuees would only be able to utilize one lane of any two-lane road. The remaining lane would carry normal daily traffic for a time, and might later be closed to all but official and emergency vehicle use as the evacuation progressed. Thus, traffic capacities utilized in these calculations only allowed evacuating vehicles to line up in one lane. In some instances, evacuation times could be decreased by utilizing both lanes.

CONCLUSIONS REGARDING THE SOUTHERN ROUTE

1) The Causeway between St. Armand's Circle and Bird Key Drive (Causeway).

Bird Key is part of Sarasota County's Lido Key 1 Hurricane Evacuation Zone. However, most evacuees from Bird Key would enter the evacuation traffic stream after the actual Restrictive Link, the Causeway, had been passed by the remainder of the evacuation traffic. Because SWFRPC staff did not have sufficient information to separate Bird Key traffic from the remainder of the evacuation traffic, they have included traffic generated by the entire Lido Key 1 Zone in their calculations. Thus, the actual evacuation and clearance times could be somewhat less than shown in Table 2A.

2) Significance of the Causeway.

The Town of Longboat Key should keep itself very much aware of proposed development, road construction, or other factors which could result in a slowing of evacuation traffic along the southern causeway. The Clearance Times shown in Table 2A are close enough to the 18-hour evacuation time limit that any disturbance or alteration to normal traffic flows could prevent a successful completion of the Town's

evacuation plan. At the same time, any road improvements which would result in an increase in Causeway traffic capacity should be welcome at least from the public safety standpoint.

3) Limitations of the Analysis.

The analysis conducted for Table 2A assumes a “Slow” evacuation time based on a capacity (of the Causeway) of 700 vehicles per hour. This capacity assumes that evacuation traffic will be limited to the eastbound (mainland-directed) lane, with either normal daily traffic, and/or official vehicles, utilizing the westbound lane. Additionally, the rate of 700 vehicles per hour was taken from a 1995 projection of capacities which was contained in the SWFRPC’s 1991 Hurricane Evacuation Study Update. Three factors could act to change staff’s assumptions about the southern evacuation route.

First, SWFRPC staff is currently in the process of preparing an updated evacuation study for Sarasota County. The current actual road capacities for the County’s evacuation routes have not yet been determined. This would cause a corresponding lowering or raising of evacuation times. Second, the Florida Department of Transportation (FDOT) has recently changed the method it uses to calculate road capacities. Since the 1991 Study used the old FDOT method, it may now be inaccurate. Actual road capacity for the Causeway could be higher or lower than projected. Finally, the Sarasota County and Town of Longboat Key Emergency Management Officials could decide to allow evacuation traffic to use both lanes of the Causeway. This would significantly reduce evacuation times along the southern route.

CONCLUSIONS REGARDING THE NORTHERN ROUTE

1) Effects on Buildout on Bradenton Beach.

TBRPC information was derived from several sources and should be considered accurate for current conditions. However, buildout projections were derived solely from Florida Statistical Abstract data on issued building permits between 1989 and 1993. This data indicates solely “Single-Family” and “Multi-Family” categories. TBRPC thus were able to estimate a projected buildout total for single-family and multi-family structures, but had to leave mobile homes and hotel/motels at the 1995 levels. No significant increase in the number of units has occurred since 1995 and, therefore, evacuation and clearance times are considered to be in the range of those presented.

2) Significance of the Cortez Bridge.

It appears that a smaller number of evacuees will utilize the northern route than will utilize the southern route. Given the indication that evacuation times and clearance times are greater for the southern route than for the northern route. Longboat Key, Sarasota County, and Manatee County should consider shifting some Sarasota County evacuees to the northern route. Also, the Town of Longboat Key needs to keep the same degree of watchfulness over the Cortez Bridge area as was recommended above for the southern causeway.

3) Limitations of the Analysis.

The analysis conducted for Table 2B assumes an “Hourly Capacity” of the Cortez Bridge of 690 vehicles per hour. This rate is derived from 1995 projections of capacity contained in the Tampa Bay Region Hurricane Evacuation Study Update. It should be noted that TBRPC’s analysis was performed in a different manner and indicates slightly higher evacuation and clearance times. The 2006 Tampa Bay Region Hurricane Evacuation Study Update has maintained this expected capacity for the bridge. Concerns discussed under Conclusion 3 for the southern route regarding road capacities also apply to the analysis of the northern route.

3. Hurricane Shelter Needs

All persons evacuating will, of course, need shelter. This shelter will be provided from a variety of sources: public shelters, commercial shelter (hotels), friends, and relatives. In addition, a large portion of the Town’s seasonal population has primary or secondary homes elsewhere to which they will go. Surveys performed by SWFRPC and TBRPC demonstrated comparable results in shelter demand. For purposes of this Plan, SWFRPC estimates will be used. In their 1982 Plan, SWFRPC assumed that 24 percent of the population will leave the vicinity, 21 percent responded “don’t know,” and the remainder will seek commercial or private shelter locally. The 2006 Tampa Bay Region Hurricane Evacuation Study Update has determined that the vast majority (50% to 60%) of evacuees will go the homes of friends or relatives during a hurricane; and approximately 20% will seek a hotel or motel for refuge.

Using the SWFRPC assumption, the Town’s shelter distribution is shown in Table 3. The “don’t knows” will be assumed to seek public shelter for shelter planning purposes in a worse case scenario.

TABLE 3
SHELTER DISTRIBUTION FOR
THE TOWN OF LONGBOAT KEY

| DISTRIBUTION | | | | |
|-----------------------|--------------|------------------|--------------|------------------|
| SHELTER TYPE | 1995 June | 1995 November | 2001 June | 2001 November |
| Public Shelter | 2,664 | 3,206 | 2,834 | 3,388 |
| Out of Area | 3,773 | 4,541 | 4,016 | 4,800 |
| Friends, Hotels, etc. | 2,331 | 2,805 | 2,480 | 2,965 |
| Don’t Know | 2,331 | 2,805 | 2,480 | 2,965 |
| TOTAL | 11,099 | 13,357 | 11,810 | 14,118 |

4. Shelter Space Available

The Town's residents have access to shelters in both Manatee and Sarasota Counties. However, so do the remainder of the residents of the two counties. Consequently, the availability of shelter must be considered in light of comparable evacuations simultaneously in both counties.

The Town has no shelters, public or private. In the event of a hurricane, the entire Town will need to evacuate to Sarasota and Manatee Counties. Manatee County has about 33,000 identified hurricane spaces in 23 locations (Tampa Bay Region Hurricane Evacuation Plan, Update, 2006). Shelter capacity in Manatee County is expected to be satisfactory for all evacuees up to a Category 5 storm.

Sarasota has 44,000 spaces in 21 shelters (Sarasota County Emergency Operations Center 2004). Sarasota County has adequate space to handle public shelter bound evacuees (24 percent of all evacuees) up to and including Category 1 storms. Evacuees from other parts of the County for Category 2 and above storms are predicted to use public shelters and will lead to either congested shelters or an inability for some evacuees to find space. If significant numbers of "don't know" evacuees decide to go to public shelters, only Category 1 storm evacuations will have adequate space. Manatee County, with less population and almost twice the Sarasota evacuation space, can handle significantly greater storm evacuation needs.

As the State's, Region's, and Town's hurricane evacuation policies have matured over the last several years, the concept of limited vertical evacuation to reliable structures in the event of a hurricane situation has evolved. The Town's current policy reflects the encouragement of limited vertical evacuation to certain buildings only as a last recourse.

5. Specialized Population Needs

A survey referenced by the Town's Evacuation Plan (Adley 1983) indicated 9.2 percent of the households had members handicapped due to infirm age or physical disability. By 2001, this would total 862 households in peak hurricane season. The agency charged with assisting such households is the Town's Fire-Rescue Department. Florida Statute 252.355 requires each local emergency management agency to maintain a registry of persons with special needs and who would like to register. The local emergency management agency is responsible for identifying those persons in need of assistance and plan for resource allocation to meet those needs. They are also charged with notifying residential customers in its jurisdiction of the availability of the registration program at least twice annually via public outreach programs. The Town's Fire-Rescue Department receives the information for the individual registrants on Longboat Key, and utilizing its fire-rescue personnel, coordinates with both county emergency management agencies and their respective support agencies to evacuate residents requiring such assistance. As of October 1, 2007, nearly 1,200 were registered with Manatee County, with approximately 25 residing on Longboat Key; Sarasota County reported nearly 2,600 registrants, with approximately 75 residing on Longboat Key.

It should be noted that more in-depth direction regarding the Town's hurricane evacuation needs are contained in the Hurricane Evacuation Plan, 1983, prepared for the Town by Adley and Associates. When the regional hurricane evacuation plan is completed in late 2008, the Town will update the appropriate sections of the comprehensive plan to reflect the applicable findings and recommendations.

B. POST DISASTER REDEVELOPMENT

Under the present definition of Coastal High Hazard Area (CHHA), as contained in the Florida Administrative Code (FAC) 9J-5.003, the entire Town, for planning purposes, is located within a CHHA because the SWFRPC designated Longboat Key as an evacuation zone for a Category 1 hurricane. This definition conflicts somewhat with the Town's traditional policies and practices related to planning and growth management in the coastal planning area. In addition, the inclusion of the *entire* Town within a CHHA (Figure 6) creates a number of challenges for public infrastructure siting and maintenance.

A recently proposed revision to the FAC definition of the CHHA (2006; effective 2008), calls for the CHHA to be that area predicted by the SLOSH model to be inundated by a Category 1 storm surge. This revised definition will likely result in the delineation of a number of small, non-contiguous areas on the Key that would not fall within the new literal definition of the CHHA because they are of sufficient topographic elevation that they are not shown as inundated by the model. The new definition does not solve the planning, growth management, and infrastructure challenges associated with the previous definition.

It is Town policy and practice to treat the entire Town as a high hazard area for evacuation purposes. However, for construction related issues, generally only the Town's gulfside is treated as a high hazard area. This approach generally follows the historical practice of the Federal Emergency Management Agency's (FEMA) mapping of flood prone areas (flood insurance rate maps (FIRM)). These maps were prepared from site-specific analyses and divided the Town into flood hazard zones. Velocity Zones (V-Zones) are considered the high hazard areas for flood insurance purposes. The Florida Department of Environmental Protection's (FDEP) Coastal Construction Control Line (CCCL) is considered the high hazard area for purposes of concurrence with FDEP's coastal construction siting policies. These areas are summarized on Figure 6. It should be noted that only the official FIRM maps prepared through FEMA should be used for all flood determinations.

V-Zones are normally the near gulf shore parts of the island. The exception is the Greer Island area, which has a V-Zone along the island's northern shore along Longboat Pass. In addition, the Town's uninhabited outer islands (Jewfish Key, Sister Keys, and Town Islands) are to a great extent in V-Zones. The remaining upland of the island is typically included in FEMA A-Zones. A-Zone designation presumes the likelihood of high flood waters but not necessarily a more damaging vertical surge with high velocity currents and wave action expected along the gulfside V-Zones. A review of flood maps, however, indicates three potential storm breach areas (Figure 6). These are in the vicinity of Harris Bayou, the Sarasota-Manatee County line, and Crane's Bayou. The last two are the islands narrowest points.

The majority of the property within the Town that lies west of Gulf of Mexico Drive is also seaward of the CCCL and under the jurisdiction of the FDEP. In such areas, concurrence with FDEP is required before (or if) building permits are issued. The FEMA V-Zones are typically defined along the western, gulfward edge of the CCCL jurisdiction.

The Town clearly meets the growth management intent of the Florida Administrative Code (FAC) Rule for the CHHA. Accordingly, and based upon the evaluation and appraisal of this current local practice which was recently completed within the Town's Evaluation and Appraisal Report (EAR), Longboat Key will continue to define and plan for its CHHA as currently described. In addition, development, redevelopment and public expenditures within these areas will continue consistent with the goals, objectives and policies contained within this plan with specific reference to Goals 2 and 3 of the Coastal Management Element.

Generally, described, new development and redevelopment is required to occur in a manner that does not change the character, intensity of use, or demand upon existing infrastructure. Infill lots must be developed under zoning identical or similar to existing zoning. Development that adversely impacts hurricane evacuation times is prohibited. At the same time, public expenditures are made, and will continue to be made, on infrastructure in the CHHA as currently defined as required to correct deficiencies, and provide and maintain a level of service equal to that of the remainder of the Town.

1. Existing Land Uses

The existing and future urban uses found in the V-Zones are residential or tourist accommodations. The same uses generally exist in those portions of the FDEP's CCCL that are landward of the V-Zone. The CCCL crosses Gulf of Mexico Drive and encompasses portions of commercial properties, as well as the Town's manufactured home parks. In addition, along the island's northern and southern extremity there are boat docks associated with residential uses. The potential breach areas (not V-Zones) include some strip commercial and marine uses. There are some small quantity hazardous waste generators in these areas but no large quantity generators.

2. Structures with a History of Repeated Damage

Longboat Key's shoreline is constantly changing, particularly along the passes and gulf. Each change increases or decreases the threat of damage to structures. Past storms have destroyed homes and businesses. This is true particularly in the Town's northern end, where Gulfside Road ends at the beach, which was once the site of single-family homes since lost to storms. Remnants of seawalls provide mute testimony to the change. The worst loss due to storms was the island's bridge to the north. Lost in 1932, it was not replaced until 1957. Repeatedly damaged properties will be required to be redeveloped to existing codes that would minimize damage potential in the future.

3. Coastal Shore Protection Structures

The historic threat of damage to the upland from flooding and erosion was defined by the pattern of intermittent seawalls, riprap, and groins. This historic pattern is depicted on Figure 7, which also depicts standardized bayside shoreline and private beach crossovers. The most concentrated stretch of groins, or vertical shoreline armoring was in the Town's center. The nearness of the road and the shallowness of the lots demonstrate that further loss could have, in effect, cut the island in half.

Bulkheads and other armoring structures were also common in the island's interior center along the back bays and canals. They are also concentrated along the north central gulf-front shoreline and the passes. Gulf-front areas where sand has accreted and eroded over multiple cycles, such as the northern end, also have seawalls inland from the present waterline that serve no function. These structures could provide protection to upland properties in the event of accelerated erosion or a significant storm event, but in general, their current location, away from the waterline, limits their need to actively protect gulf shorelines in the Town.

The majority of the historical gulf-fronting coastal armoring, groins, and similar structures were proactively removed by the Town as a condition of the FDEP permit for the 1992-93 beach restoration project. Where it was not practical and/or cost-effective to remove the armoring structures, their potential negative impacts still have been largely negated by the buffering effect of the substantial width of sand fill maintained as part of the beach restoration.

C. INFRASTRUCTURE IN COASTAL HIGH HAZARD AREAS

Using only the V-Zone as the first tier of a high hazard or storm vulnerability area, very little of the Town's capital infrastructure is exposed. Exceptions are water and wastewater domestic lines, trunk lines at potential storm breach points, the Town's existing bridges, and the Town's roads at similar places. Maintenance yards, Town Hall, fire and police facilities, and most water, wastewater, and road structures are located outside of the V-Zone. Using the CCCL as a second tier of the high hazard area, a number of public facilities are at risk. These include additional lengths of water and wastewater domestic lines, Town roads, portions of Gulf of Mexico Drive, and trunk lines along Gulf of Mexico Drive. In addition, sewer lift stations (6); the master lift station (1); the water booster station (1); and, all beach access points with unimproved parking are vulnerable.

IX. BEACH AND DUNE SYSTEMS

A. BACKGROUND

Beach and dune conditions on Longboat Key can best be viewed in two distinct periods: before the 1992-1993 beach restoration project and the period after that project. Prior to the 1993 restoration project, the natural beach and dune system gradually was altered largely by individual property owners' attempts to mitigate the effects of ongoing erosion on a property-by-property

basis. These approaches typically used conventional shoreline armoring and other structural solutions such as groins. Responses occurred piecemeal over several decades, and using varying degrees of engineering sophistication depending on regulations at the time, the criticality of each situation, and the monetary resources available to property owners. This type of effort tended to be more reactive, with little coordination or consideration of adjacent areas and long-term needs. The 1993 public project represents a shift to a “softer” stabilization alternative, but perhaps more importantly, it also represents a move toward a Town-wide, integrated erosion response. The approach has become one of pro-actively managing one of the Town’s major assets, the beach.

Longboat Key’s baseline beach and dune conditions were surveyed in 1987 in two separate studies: Sarasota County Beach Management Plan (Coastal Engineering Consultants, Inc.) and Manatee County Beach Management Plan (Coastal Planning and Engineering, Inc.); both studies were co-funded by FDEP. Both also used as a basis “An Assessment of Beach Erosion, Outline of Management Alternatives,” (Harvey 1982). Subsequent surveys were conducted in 1989/90 by Applied Technology & Management, Inc., and in 1991 by Dr. Robert Dean of the University of Florida.

As previously described, much of the beach shoreline had been stabilized by seawalls and groins. However, even upland areas without such structures have been developed within 100 feet of the mean high water line. Consequently, there was not much dune system left and the beach was often artificially narrowed by the effects of protruding seawalls. Due to these activities, the island’s beach and dune system did not provide much protection against storm activity. Extensive erosion after 1987 led to the studies cited and their conclusions determined that the Town’s beach system was at serious risk. An immediate need for restoration was identified by the Town and specific measures were implemented to fund and manage the Town’s comprehensive shore protection program. This crisis condition resulted in decision by residents of the shoreline area to create the Longboat Key Beach Erosion Control District as a Dependent Municipal Taxing District of the Town of Longboat Key, and to proceed with beach restoration financed largely on their own as rapidly as possible.

B. EROSION CONTROL ALTERNATIVES

At its most basic level, erosion control (and storm protection) alternatives available to the Town and its residents may be categorized as either non-structural or structural. Non-structural approaches generally include those measures taken to place upland development or vulnerable resources out of the path of the erosion or storm impact. Structural solutions, on the other hand, seek to interpose some type of structure between the upland and the active energy zone. Beach fill alternatives such as restoration and renourishment can be considered as hybrids because they have characteristics of both approaches. Frequently, however, beach fills are treated as a structural solution, although a “softer” one, because such projects are designed using engineering procedures analogous to those for other structures.

Retreat from the shoreline is a non-structural, overall strategy comprised of several sub-elements. One common definition includes three sub-elements: dynamic setbacks, relocation, and abandonment.

Town codes and the Florida Building Code have been revised to reflect the state of art in shoreline building construction design and siting. This has been encouraged by both Federal and State law affecting construction and setbacks. This new code system immediately affects the few new coastal structures expected; its long-term impacts will be felt through structural reconstruction and site redevelopment. Common traits of new construction are increased elevation of bottom floors above storm surge levels, ability to withstand 130 MPH wind velocities (seaward of the CCCL), and increased setbacks from the beach shoreline.

Relocation is an aspect of the new code. Relocation, however, is still primarily considered within the original structures' parcel. For areas where parcels are small, relocation cannot be pursued. The only options are reconstruction according to the new code, or acquisition.

The Town does not have a program to encourage abandonment by acquisition of properties that are storm damaged. Even though the Town is relatively affluent, it does not have the tax base to pursue a program of any magnitude of acquisition, particularly for multifamily/tourist structures. Any such program of acquisition would need substantial Federal or State fiscal support and the acquisition of a repeatedly damaged structure(s) without significant state and federal funding assistance is not economically feasible.

Structural approaches to erosion also are often grouped into sub-categories based on how they are intended to accomplish their purpose. Shoreline armoring includes seawalls, bulkheads, revetments, and similar structures intended to block wave energy directly at the water line or on the active beach. It should be noted that by their location armoring structures do not protect the beach; they can, at best, only offer protection to the upland. Even their effectiveness in providing upland protection can be questioned for most of the armoring typical on the Key. The average single-lot revetment or bulkhead from the pre-1980's period was not adequately designed, either in cross-section or in height, for its purpose and may not have been properly maintained since initial construction. Relatively few properly engineered seawalls can be found on the island. The FDOT walls protecting SR 789 (the only storm evacuation route) at mid-key are substantial in design and represent an installation where structural armoring is appropriate as a long-term upland protection method within the Town.

A second group of structures includes various forms of breakwaters and groins. These structures function by modifying the coastal processes in some way and at some distance offshore from the upland and, thereby, causing a (positive, stabilizing) response to the adjoining beach. When not properly designed, maintained and monitored, these types of structures have the potential for producing a negative effect on other sections of the shoreline. The many years of experience with the adverse impacts of abandoned, derelict concrete groins on the Key suggest that such structures should be used with caution and careful planning. Furthermore, state and federal regulatory agencies extensively evaluate individual property owner or governmental requests for structural shoreline protection solutions due to concern of potential detrimental impacts to adjacent properties. The more appropriate types of installations would be those that are integrated into sand fill programs so that potential downdrift erosion is mitigated in advance, and those designs, which allow for easy adjustment or removal if adverse effects are more severe than predicted. A rigorous monitoring program should be part of all such projects to document effects and suggest corrective action.

Beach fills using beach compatible sand borrowed from some off-Key source are another alternative for erosion control. For the purposes of this document, the term “Beach Restoration” is taken to mean a major fill project, engineered to replace the sand deficit in an area, restoring the historic beach width, and providing sufficient volume to maintain an initial restoration project over a period of years. The purpose of a beach nourishment program is to provide a ‘soft’ solution to shoreline erosion by periodically replacing sand that is lost from the system through natural processes and episodic events such as storms.

Once an initial restoration has been implemented, such as the Town’s project in 1993, subsequent sand placement activities are typically referred to as nourishment projects. The timeframe between nourishment projects is referred to as the design life of a project, and considers previous project performance, storm impacts and numerous environmental factors. Nourishment activities are typically undertaken on a smaller scale and may target sections of the project differently depending on past performance. Nourishment projects also may use more opportunistic borrow sources including compatible sand from maintenance dredging of the Federal channels in the adjacent passes.

Beach restoration, as completed in 1993 with long-term maintenance nourishment, seems to be the more practical option available to the Town, if environmental concerns can continue to be addressed through avoidance, minimization or mitigation of direct, secondary and cumulative effects. Beach restoration and nourishment provides more distance between structures and the water, consequently damage would only result from more severe storms. It is, however, a major public infrastructure effort, and like all capital projects, requires a long-term financing program for maintenance.

C. RESTORATION AND RENOURISHMENT ACTIVITIES

The engineering analysis and initial restoration/renourishment program, was developed by Applied Technology & Management, Inc. in 1989-90, amended by Dr. Dean (1991), and permitted by State and Federal agencies in 1991. These reports are made a part of this Plan by reference and incorporated herewith. The 1993 project and subsequent nourishment event project areas and offshore sand resource areas are shown on Figures 8 and 9, respectively.

The 1993 Longboat Key Beach Restoration Project was constructed between February 12, 1993, and August 12, 1993, nourishing 9.3 miles of shoreline with 3,336,000 cubic yards of fill from the ebb shoals of Longboat Pass and New Pass. Approximately 5,751 tons of derelict shoreline protection structures were removed during the project.

During and after construction of the 1993 project, much of the dry beach width was lost during the March 1993 “Storm of the Century” and the subsequent adjustment of the beach profile, which was larger than anticipated. Although the overall, average performance of the 1993 restoration project was within the predictions of the engineers, certain specific areas, notably the mid-key segment, did not perform as well as anticipated. An independent review of beach conditions by Dr. Cliff Truitt at Mote Marine Laboratory in 1994, one year following the initial restoration project, identified several erosional “hot spots” and suggested the need for additional planning leading to an interim maintenance project sooner than the originally envisioned 5 to 8 year interval.

The Town Commission subsequently adopted the Town of Longboat Key Comprehensive Beach Management Plan (November 1995). This plan affirmed the need for interim maintenance and developed conceptual plans for an interim mid-key renourishment project which was built in the fall of 1996 using sand from a borrow area identified and studied several miles off the north end of the Key. The plan also proposed a schedule for future maintenance using both pass dredging and/or substantial sand reserves in the 1996 borrow area.

To rebuild and maintain the dry beach, the 1997 Mid-Key interim beach project was constructed from January 26 to February 3, 1997, placing 891,000 cubic yards along shoreline in southern Manatee County and northern Sarasota County. Four additional fill operations have taken place since February 1997 (Table 4). The April 24, 2001, to May 2, 2001, project mitigated sand losses from Hurricane Gordon, with a fill volume of 105,280 cubic yards, over approximately 4,000 feet of beach. The 1996 interim maintenance, followed by the smaller FEMA funded storm damage recovery fill project in 2001, largely kept the Town's beaches in reasonable condition to provide the desired storm protection and recreational benefits through the originally planned maintenance interval and further. Continuing background erosion at the hot spots and the effects of the unusually severe storms of the 2004 and 2005 seasons re-affirmed the need to move ahead with the scheduled maintenance project that took place during 2005 and 2006. The April 2005 to August 2006 beach nourishment project resulted in the placement of approximately 1,700,000 cubic yards of beach compatible sand along nearly 10 miles of Longboat Key shoreline. Material for the project was acquired from an offshore sand source, and transported to the project site using a hopper dredge.

D. FUTURE MAINTENANCE

Pre-1993 renourishment efforts were a result of only pass dredging activities of Longboat Pass and New Pass Federal navigation channels. Following the 1992-1993 initial maintenance project, the Town committed to a comprehensive on-going annual beach monitoring program consisting of surveys, aerial photography, and similar data acquisition. After the 1995 Beach Management Plan was adopted, the results of the annual monitoring data collection effort have been used to prepare an annual report to the Town Commission, which serves to update the plan. These updates not only provide a "snapshot" of beach conditions, but also continually revise the preliminary design of any needed fill projects so that the Town can effectively manage future projects from a planning, regulatory, and fiscal perspective to respond to needed maintenance.

It is the intent and policy of the Town to support Pass maintenance and to continue to use sand from future Pass dredging wherever needed to control erosion hot spots along the beach system to prevent the type of massive island-wide erosion deficit that existed prior to 1993. Such maintenance dredging will continue to be augmented by other fill projects and borrow sources. Maintenance projects will be financed by the Town, the two Counties' Tourist Development Tax (TDT) funds, the State and other agencies, and the Erosion Control District through bond sources. Beach maintenance funds received by the Town of Longboat Key from and Infrastructure Sales Tax levies in Sarasota and Manatee Counties are applied toward beach restoration and renourishment activities. The Town's contribution to the program is projected at \$600,000 per year over a seven-year period although the actual amount per Interlocal Agreement is a percentage and therefore may vary.

In summary, as stated by the Town's Coastal Management Citizen's Advisory Committee, "The beach is the Key's most valuable asset. It has been experiencing rapid and dramatic shoreline changes with dangerous erosion in many places. Unless this is controlled, the very feature that made this island our chosen community will be destroyed."

TABLE 4
LONGBOAT KEY BEACH CONSTRUCTION PROJECTS SINCE FEBRUARY 1993

| PROJECT NAME | CONSTRUCTION DATE | PROJECT LENGTH | FDEP MONUMENT RANGE | PLACED FILL VOLUME (cubic yards) |
|--|-------------------------------------|-----------------------|--|---|
| 1993 LONGBOAT KEY BEACH RESTORATION PROJECT | FEBRUARY 28 - AUGUST 12, 1993 | 9.3 MILES (49,000 FT) | R-47 THROUGH R-29 | 3,336,000 |
| TOWN OF LONGBOAT KEY MID-KEY INTERIM NOURISHMENT PROJECT | OCTOBER 21, 1996 - FEBRUARY 3, 1997 | 3.1 MILES (17,000 FT) | R-65 THROUGH R-14 | 891,000 |
| LONGBOAT PASS MAINTENANCE DREDGING PROJECT | JULY 1997 | 1.0 MILE (5,500 FT) | R-45 AND R-48 THROUGH R-51 | 109,000 |
| NEW PASS MAINTENANCE DREDGING PROJECT | AUGUST - SEPTEMBER 1997 | 0.8 MILES (4,300 FT) | R-25 THROUGH R-29 | 171,000 |
| BEER CAN ISLAND CHANNEL DREDGING | EARLY 1998 | N/A | NORTH OF NORTH SHORE DRIVE (near R-45) | 2000 cubic yards placed on dry beach |
| APRIL 2001 BEACH NOURISHMENT PROJECT | APRIL 24 - MAY 2, 2001 | 0.7 MILES (3,500 FT) | R-10.5 THROUGH R-14 | 105,280 |
| 2005/2006 BEACH NOURISHMENT PROJECT | APRIL 2005 - AUGUST 2006 | 9.9 MILES (52,000 FT) | R-44 THROUGH R-29 | 1,789,332 |
| TOTAL FILL PLACED AS OF AUGUST 2006 = | | | | 6,403,612 |

Source:

Town of Longboat Key Beach Restoration Project 2001 Annual Beach Survey and Analysis. Coastal Planning & Engineering, Inc. Boca Raton, 2001.

Town of Longboat Key 2005-2006 Beach Nourishment Project, Project Completion Report. Coastal Planning & Engineering, Inc. Boca Raton, 2006.

X. PUBLIC ACCESS FACILITIES

Beach and bay access facilities and other public amenities have in part been inventoried and mapped on Figure 10. Table 1 in the Recreation and Open Space Element identifies many bay access locations, however, not all are improved for public access. Only the improved accesses are mapped on Figure 10. The unimproved lands are generally environmentally sensitive lands, such as mangroves, which are not intended at this time for public use. Other types of access beyond those previously listed include: scenic access; public docks; fishing piers; and, traditional shoreline fishing areas.

There are eight beach access points located between R46A and New Pass (R29). These access points provide 14,900 feet of publicly accessible beach eligible for State funding under the FDEP Beach Erosion Control Program that provides cost sharing opportunities for shore protection project sponsors such as the Town of Longboat Key. Hotels, motels, resorts, and inns with 6 or more units provide an additional 3,700 feet of beach eligible for State project funding. The combined length of beach eligible for State project funding is 18,600 feet, or 37% of the project length.

Access provided in the Town appears to adequately serve the island, but could be improved. Consequently, all residents should be provided with beach access, secured bicycle racks, and parking where possible. In places where passage to the beach or walking along the beach is hampered by revetments or seawalls that are seaward of the mean high water line, mandatory walkways should be provided.

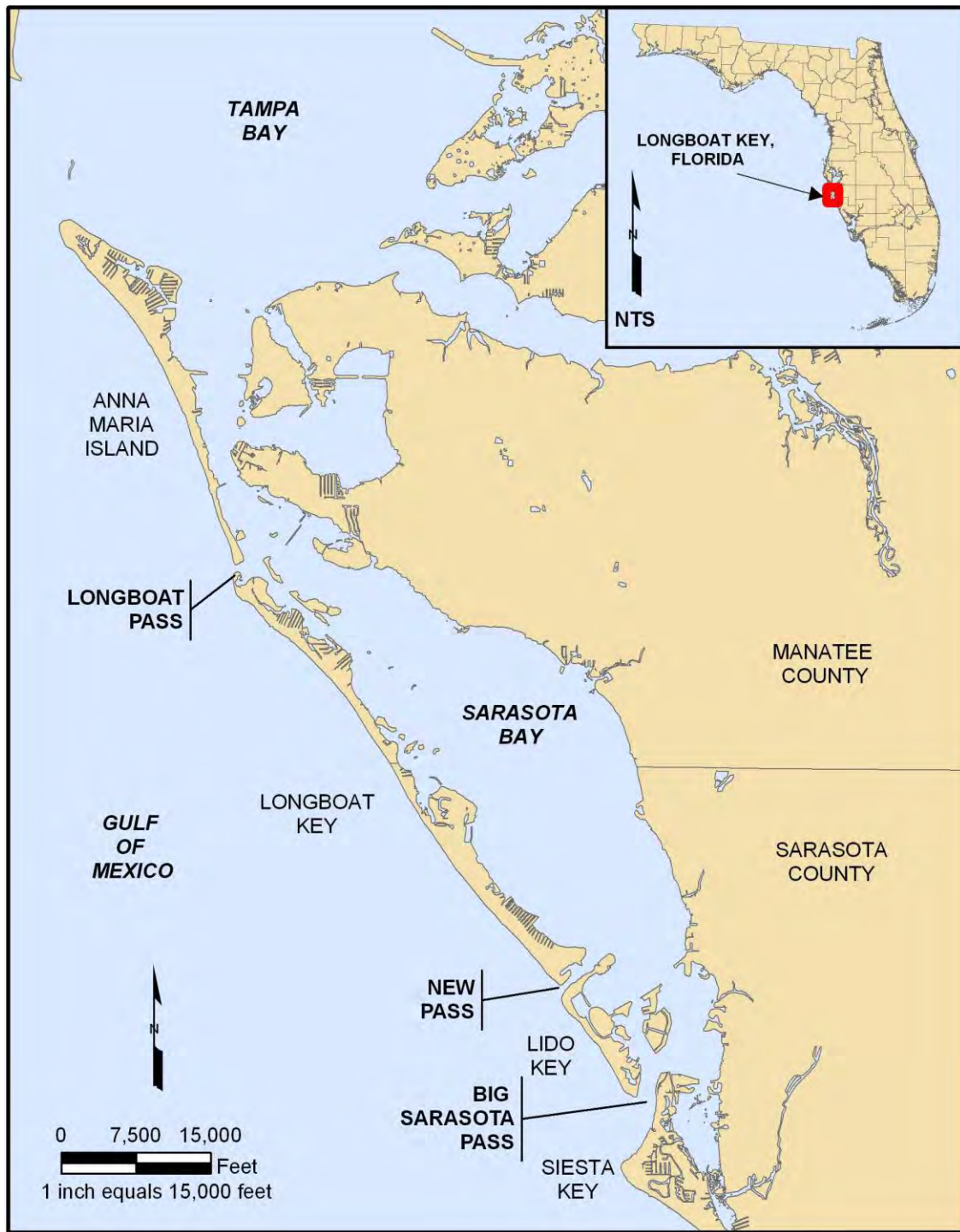


FIGURE 1: LOCATION

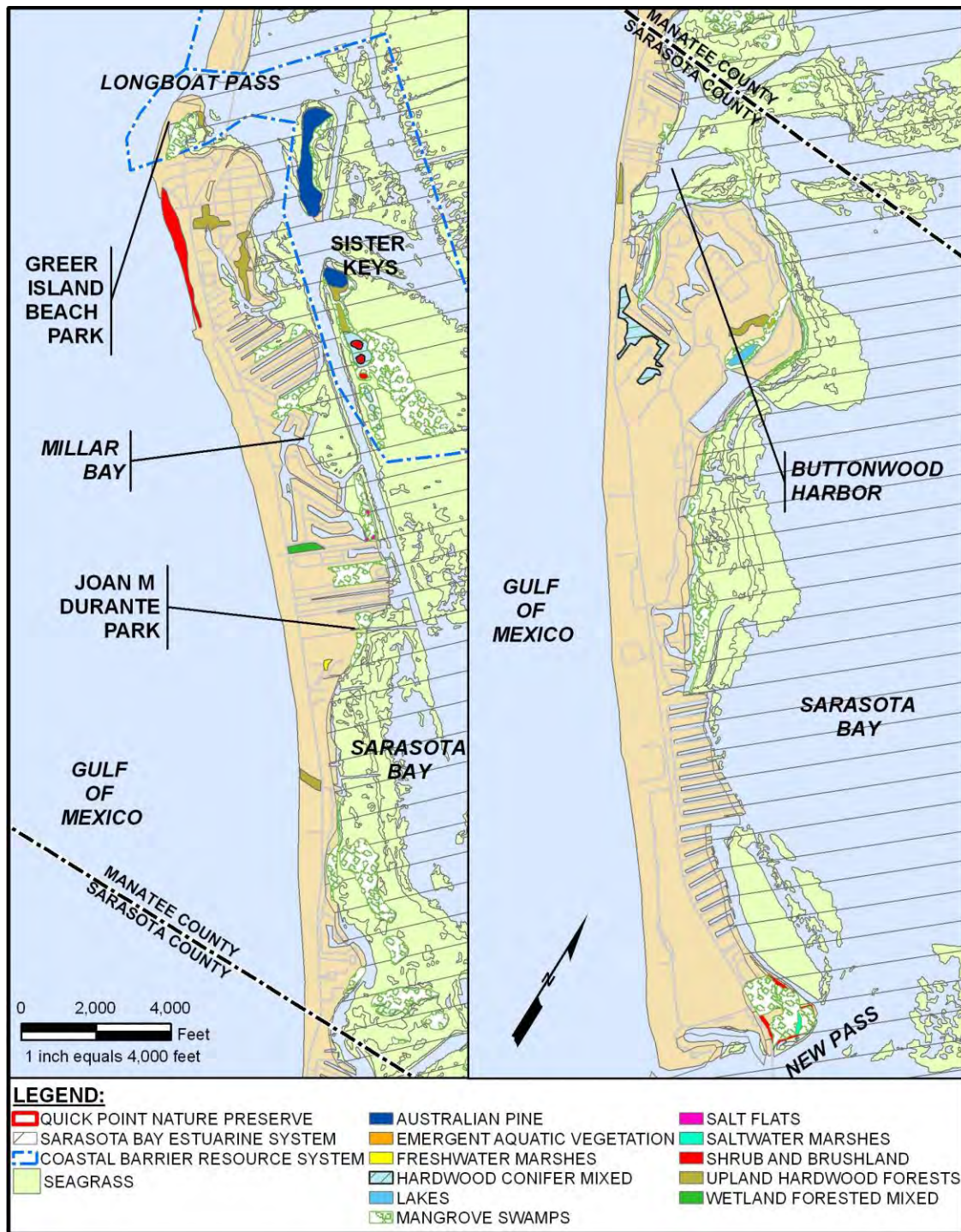


FIGURE 2: ENVIRONMENTAL FEATURES

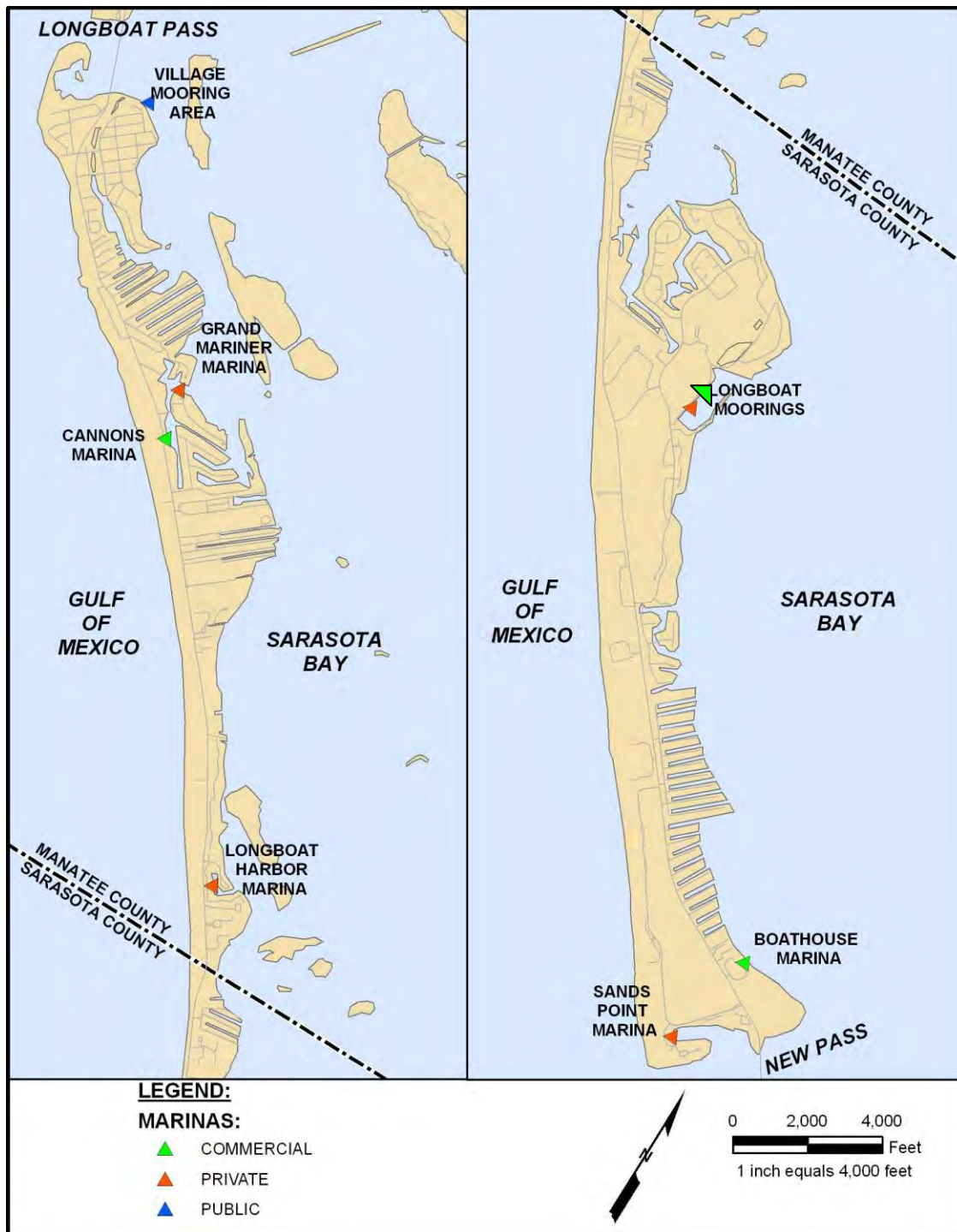


FIGURE 3: WATER-DEPENDENT USES

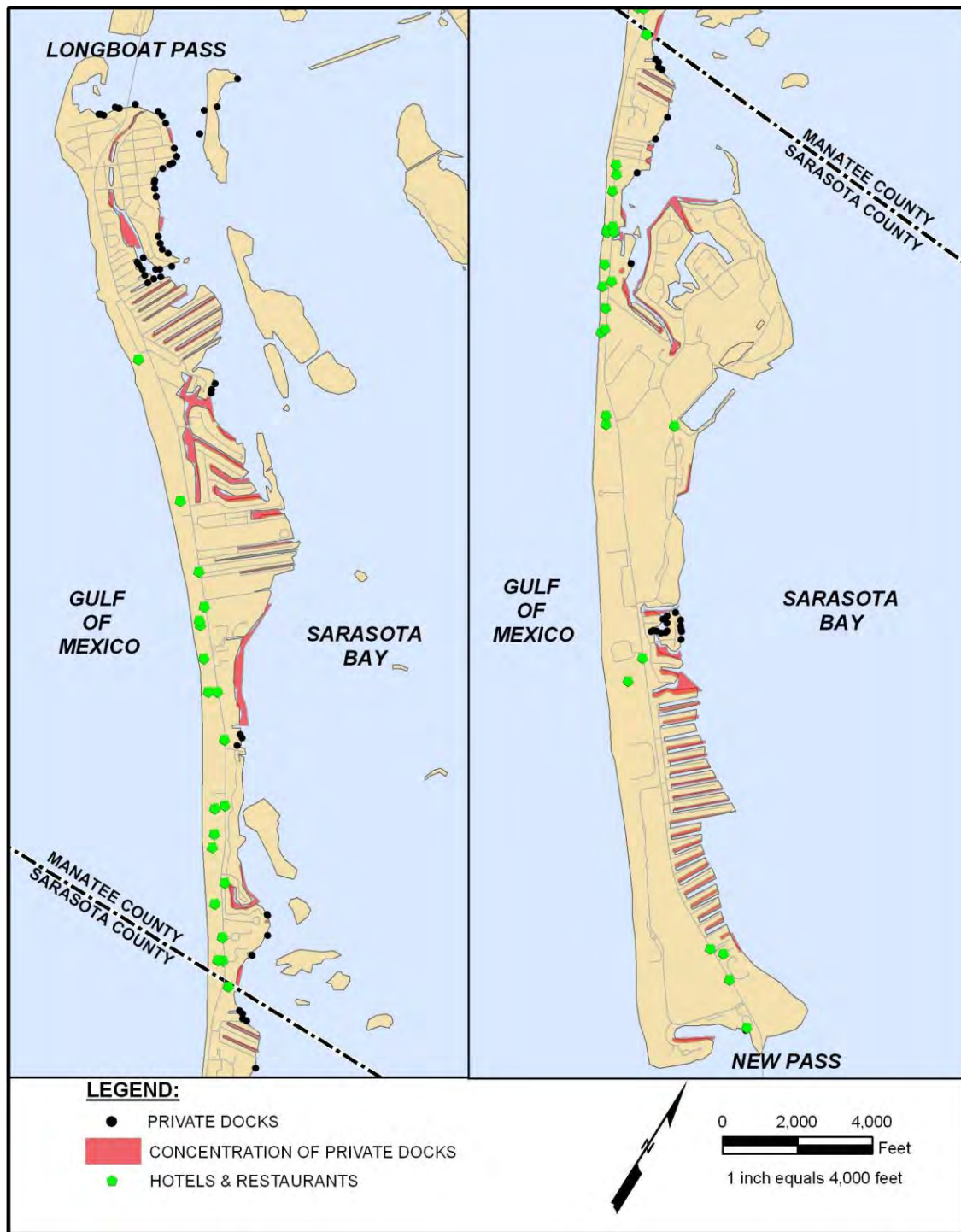


FIGURE 4: WATER-RELATED USES

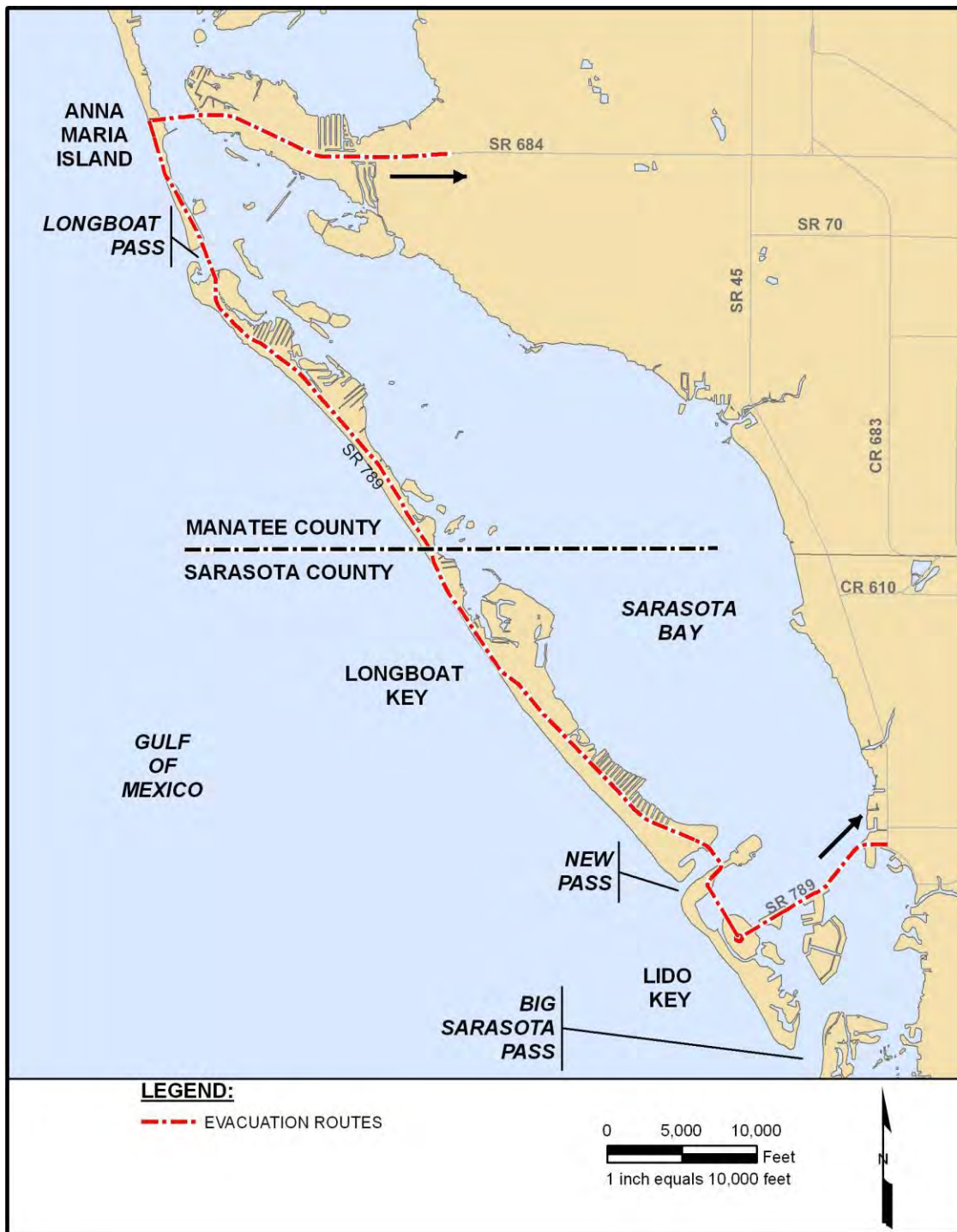


FIGURE 5: EVACUATION ROUTES

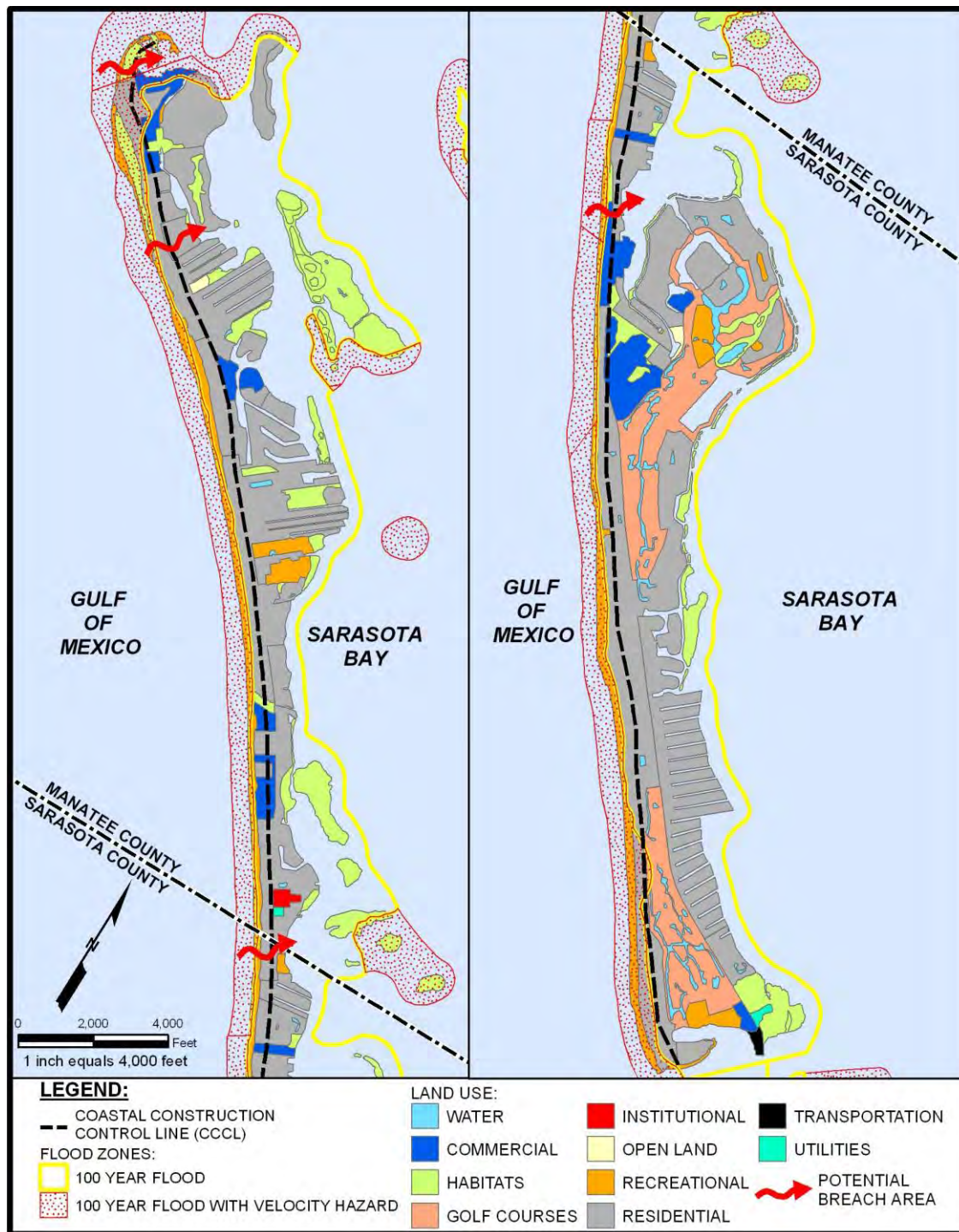


FIGURE 6: HIGH HAZARD ZONES

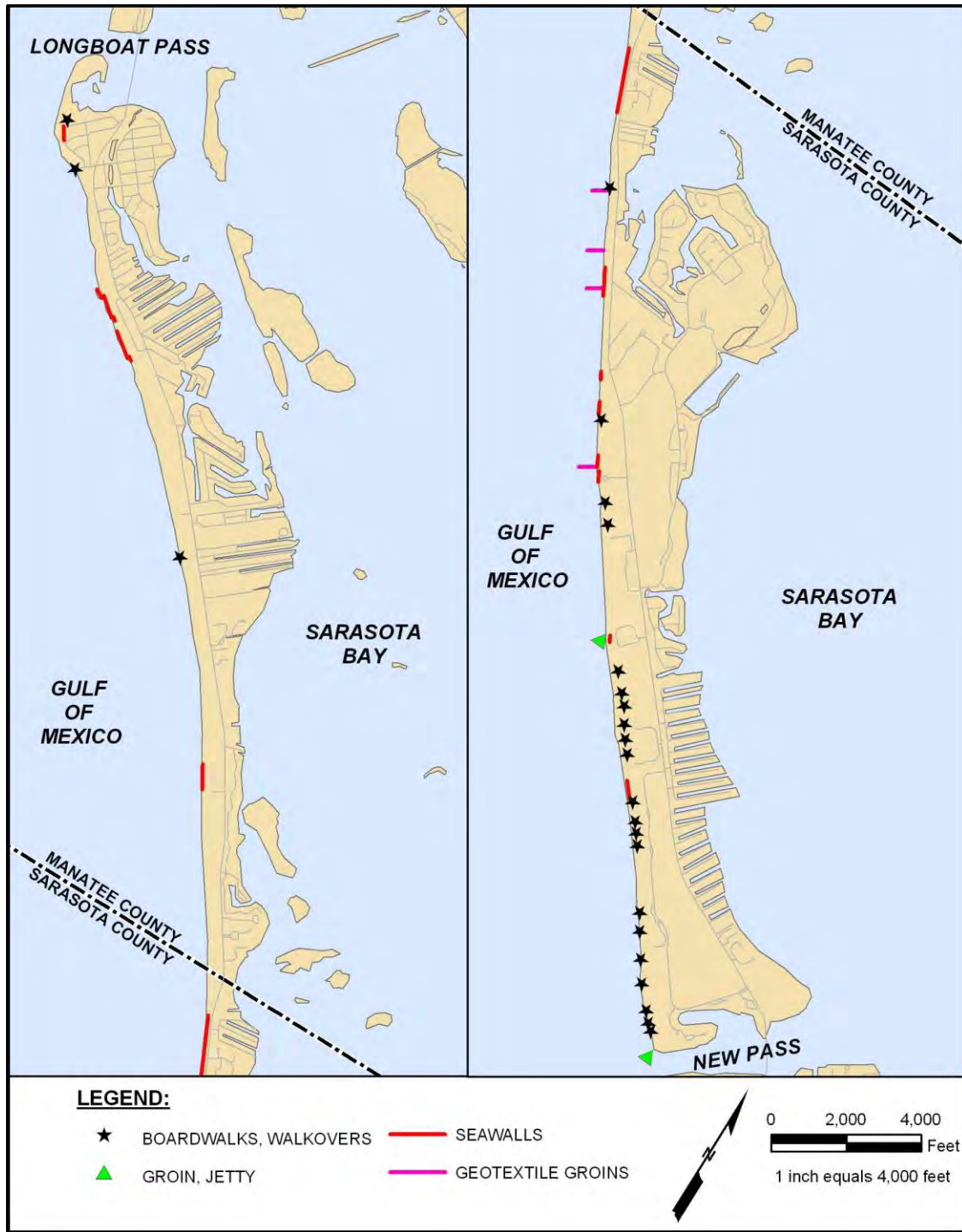


FIGURE 7: SHORELINE STRUCTURES

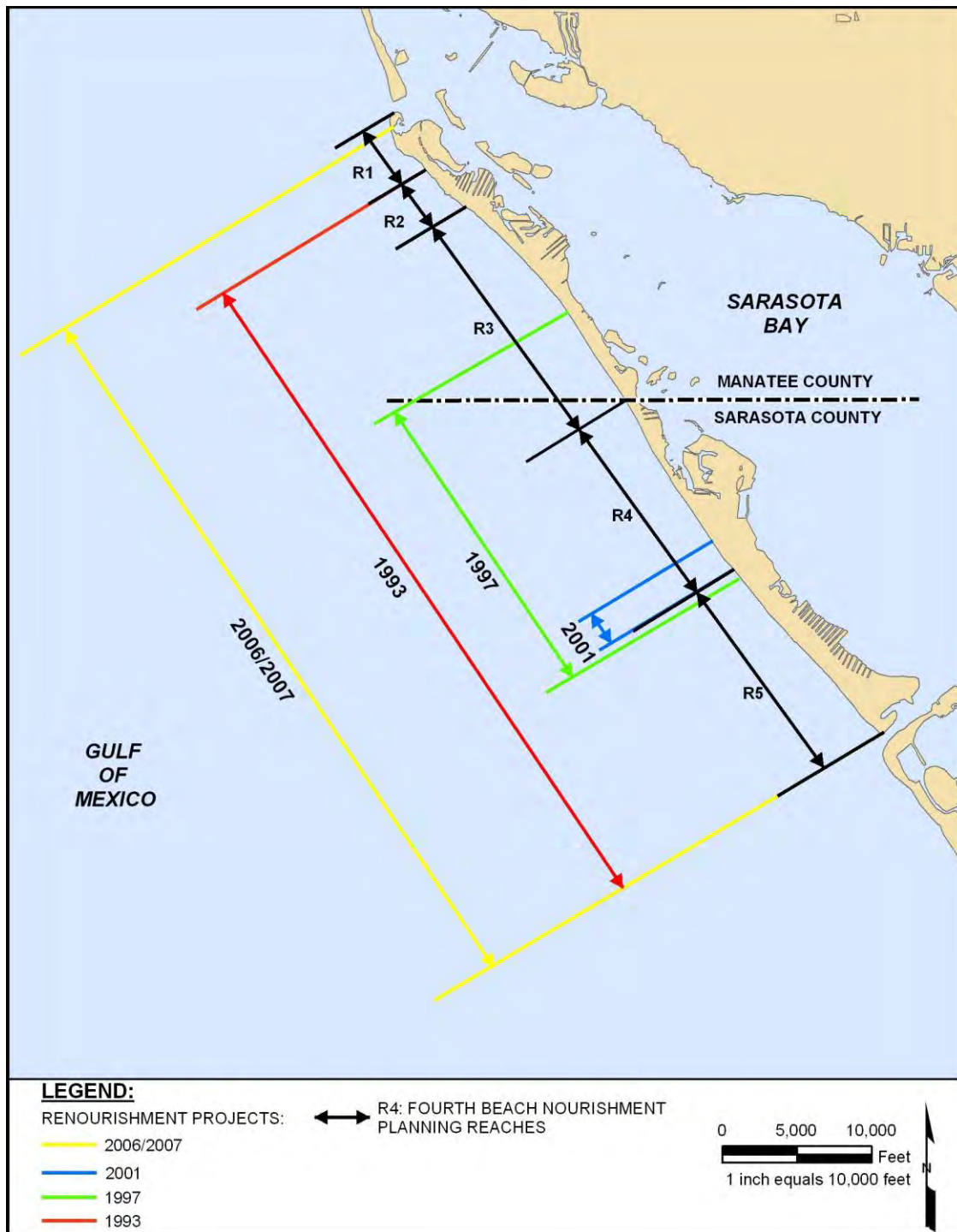


FIGURE 8: BEACH NOURISHMENT AREAS

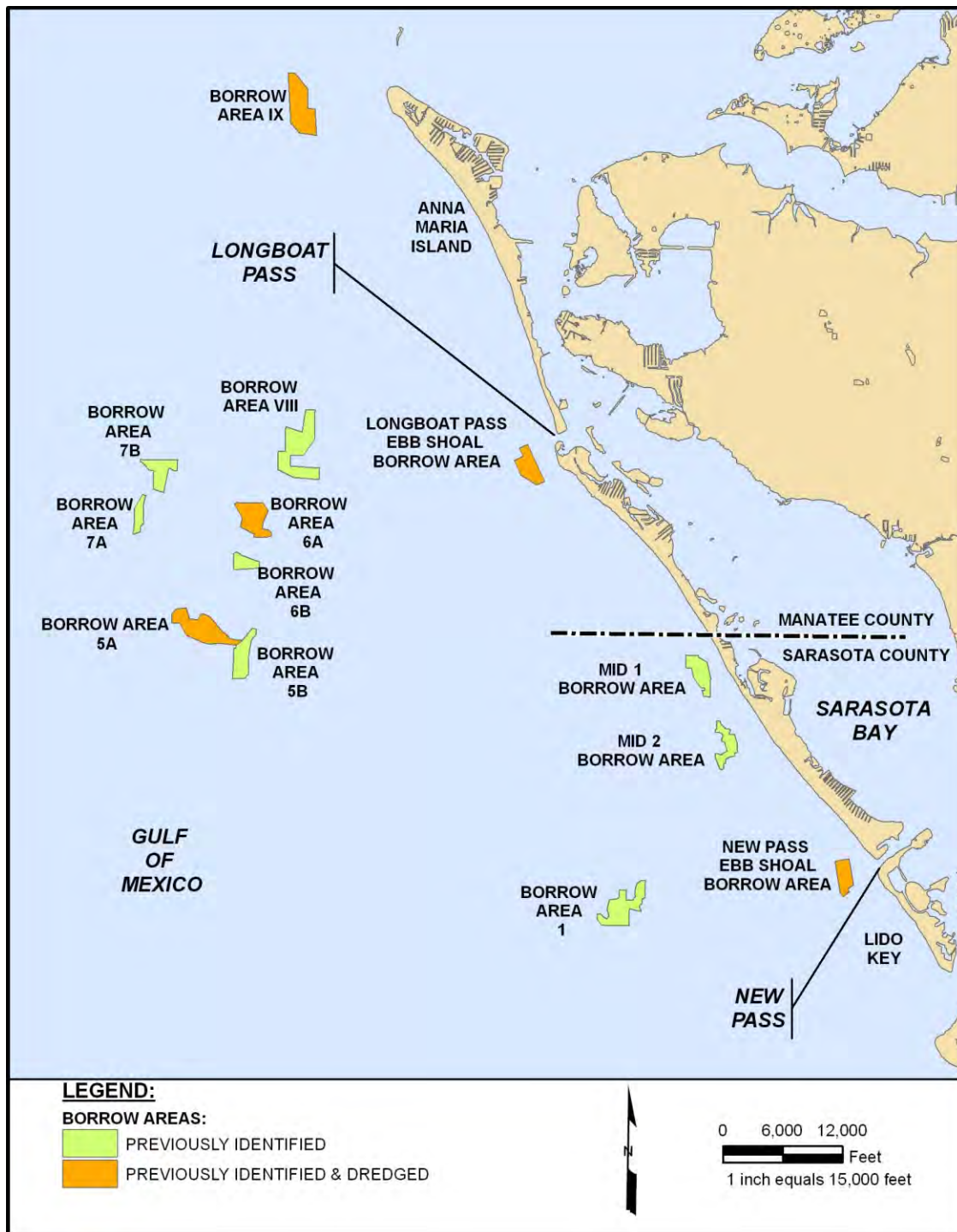


FIGURE 9: BORROW AREAS

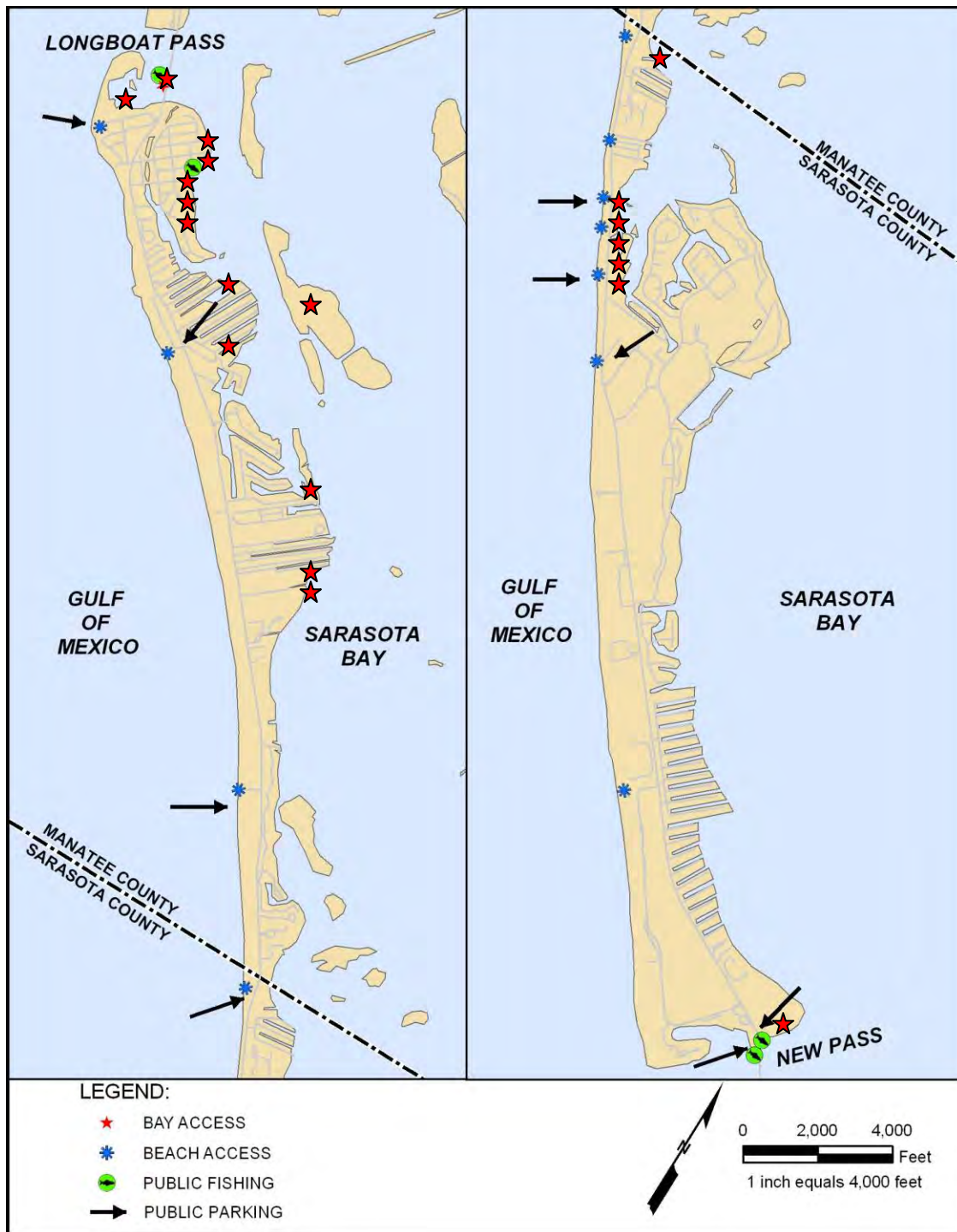


FIGURE 10: PUBLIC ACCESS

CONSERVATION & COASTAL ZONE MANAGEMENT ELEMENT GOALS, OBJECTIVES, & POLICIES

GOAL 1: The City of North Port shall protect, conserve and enhance its natural, environmental and historic resources to ensure sustainable environmental quality for the future.

-Natural Communities and Wildlife-

Objective 1: Upon adoption of the Comprehensive Plan, the City will review all applicable ordinances which provide for the protection and enhancement of its critical water resources and biologically productive flora and fauna, and wildlife habitats and initiate the deletion, revision or adoption of ordinances, based upon supporting data and analysis, which shall include state and federal regulations and guidelines.

Policy 1.1: The City shall, through implementation of the Land Development Code, to require that for all future land use map change proposals, the applicant submit supporting data and analysis pertaining to rare, endangered and threatened species and species of special concern. Prior to issuance of development permits, including land clearing, the applicant shall provide proof of compliance with appropriate state and federal regulations.

Policy 1.2: The City shall consult with the Florida Fish and Wildlife Conservation Commission and the U.S. Fish and Wildlife Service, as applicable, prior to the issuance of a land use approval that would result in an adverse impact to any rare, endangered threatened species, and species of special concern, as shown on the Environmental Assessment for all proposed Future Land Use Map amendments and major development submittals.

Policy 1.3: The City shall make available conservation easements, transfer of development rights, and fee simple acquisition or other appropriate techniques, for the protection of rare, endangered and threatened species and species of special concern, when the City, through consultation with appropriate state and/or federal agencies, determines that an action will impact an environmentally significant site.

Policy 1.4: The City shall continue to coordinate with the Florida Fish and Wildlife Conservation Commission and U.S. Fish and Wildlife Service in the identification and monitoring of known Southern Bald Eagle nests and creation and implementation of nest protection plans for development proposals.

Policy 1.5: The City shall continue to cooperate with Desoto, Charlotte, and Sarasota Counties, the SWFRPC, and other local, regional, state, and federal agencies, as applicable, in order to conserve, appropriately use, or protect unique vegetative communities located within more than one of these local jurisdictions.

Policy 1.6: The City shall continue to work with the U.S. Fish and Wildlife Service (USFWS) and the Florida Fish and Wildlife Conservation Commission to identify occupied

Florida Scrub Jay areas in North Port, and will coordinate with USFWS to work with property owners who are affected by Florida Scrub Jay issues.

Policy 1.7: If determined necessary through coordination with the USFWS and the Florida Fish and Wildlife Conservation Commission, the City shall consider developing a Scrub Jay Habitat Conservation Plan (HCP) specific to the City of North Port, or may develop a North Port specific component to be included as part of the proposed Sarasota County HCP.

Policy 1.8: The City shall work with developers and land owners to preserve natural wetlands to the greatest extent possible in order to preserve wetland habitat vital to wading birds and wildlife, especially listed species, and to maintain natural surface water levels in wetland systems and associated habitat. Where appropriate and feasible, the City shall support the acquisition of important wetland habitats/systems, and it is also preferred that mitigation for any wetlands that are taken due to development activity be located within the City of North Port or in mitigation banks adjacent to the City.

Policy 1.9: Per the revised State requirements regarding the protection of gopher tortoises, the City shall coordinate with the Florida Fish and Wildlife Conservation Commission and the USFWS, as applicable, to develop a program for protection of tortoises, protection of tortoise habitat, and mitigation for any takings.

Policy 1.10: The City shall coordinate with the Florida Department of Environmental Protection, the Florida Fish and Wildlife Conservation Commission, the USFWS, the West Coast Inland Navigation District (WCIND), and other local, state, and federal agencies, as applicable, to maintain and enhance manatee populations throughout the region. Coordination activities may include, but shall not be limited to, development review, enforcement of manatee protection zones, and public education.

Policy 1.11: By 2012, the City shall amend its Land Development Regulations to include design components that enhance the movement of wildlife through the maintenance or creation of wildlife corridors. Such corridors may include, but not be limited to, preservation of identified natural wildlife corridors such as the Myakkahatchee Creek greenway or similar systems, or may include components such as animal underpasses.

Policy 1.12: Consistent with Policy 9.20 in the Future Land Use Element, the City shall amend the land development code by 2012, where applicable, and utilize the site and development review process to encourage the use of “green” design practices in public and private developments.

Objective 2: The City shall strive to identify all sustainable native vegetative communities and conserve and maintain these communities as balanced, biologically productive ecosystems while allowing appropriate development.

Policy 2.1: The City shall seek assistance from the Florida Fish and Wildlife Conservation Commission, FDEP, and other local, state, and federal environmental agencies in identifying

sustainable flora and fauna habitats, including the protection and conservation of the natural functions of existing soils.

Policy 2.2: The City shall seek assistance from the Florida Fish and Wildlife Conservation Commission, FDEP, and other local, state, and federal environmental agencies in the protection and conservation of its fisheries, rivers, bays, lakes, floodplains, harbors, wetlands including estuarine marshes, freshwater beaches and shores, marine habitats, backyard wildlife habitats and boater awareness of manatees.

Policy 2.3: By 2012, the City shall conduct an inventory analysis of areas containing critical wildlife and upland habitat in conjunction with the Florida Fish and Wildlife Conservation Commission and other stakeholders. This information shall be made available to the public and utilized by staff in the development review process.

Policy 2.4: The City shall continue to seek local, state, and federal funding sources in the protection, restoration, and management of critical environmental systems including uplands, wetlands, and habitats critical to identified listed species.

Objective 3: The City shall encourage the preservation of existing native vegetation, the creation of an urban forest, and the use of xeriscape methods for landscaping public and private development. Tree preservation activities and the planting of trees shall result in an overall, citywide, phased-in, tree canopy no later than build-out that ranges from 35% to 80% of the tree canopy that existed at the time of adoption of this Comprehensive Plan in 1997.

Policy 3.1: Every three to five years the City shall review, and amend as applicable, the Land Development Regulations applying to tree protection and landscaping guidelines for development to promote the preservation and use of native and drought tolerant species in landscaping in order to reduce the depletion of the surficial aquifer.

Policy 3.2: The City will continue to review landscape/tree ordinances from other communities and, further, review tree protection/preservation initiatives that would benefit the City. Based upon these reviews, revisions to the tree protection and landscape code shall be implemented.

Policy 3.3: The Land Development Regulations shall continue to prohibit the planting of exotic noxious vegetation such as *Melaleuca quinquenervia*, Brazilian Pepper (*Schinus terebinthifolius*), and Australian Pine (*Casurina*) as listed by State authorities.

Policy 3.4: The City shall utilize the incentive program provided in the Land Development Code for developers/builders to provide appropriate trees to the City when a lot is cleared for development and the developer/builder removes existing native trees. Further, the City shall be aggressive in its enforcement of violations to the tree and landscape code.

Policy 3.5: The City shall plant trees, on City property only, according to the following priorities:

1. In existing neighborhoods to replace dead or dying street trees.

2. In existing neighborhoods to complete existing street tree patterns.
3. On park sites, open space areas, or other appropriate public areas to provide shaded picnic or pedestrian walkways.
4. In gateway areas, as defined in the Future Land Use Element. Upon adoption of this policy, the City shall prioritize this sub-policy by planting a maximum of 25% of developer/builder-provided trees to gateway areas for a two year period.
5. On sites containing public buildings frequented by citizens such as City Hall, Multi-purpose building, etc.
6. Along arterial and collector roadways that traverse the City.

Policy 3.6: Recognizing that factors, both natural and man induced, will result in the diminution of the City's natural forest/tree canopy as the City continues to grow, the City shall, through policies, regulations, and programs strive to develop an urban forest comprised of a mix of native forest land and planted trees which maintains or enhances the City's tree canopy to levels equivalent to 35% - 80% of the tree canopy that existed at the time of adoption of this Plan in 1997.

Policy 3.7: Prior to 2011, the City shall conduct a study to determine the approximate percentage of coverage offered by the City's tree canopy at the time of adoption of this Plan in 1997.

Policy 3.8: Management activities for all City-owned lands shall include, where appropriate and feasible, removal of exotic and invasive vegetation and re-planting with native vegetation.

Policy 3.9: Management activities for all City-owned outdoor recreation parks and facilities shall include, where appropriate and feasible, measures to restore and enhance degraded natural plant communities, habitat and natural hydrology.

Policy 3.10: The City shall encourage the preservation of existing native vegetation, the planting of native vegetation, and the use of xeriscape methods for landscaping public and private development. Examples of plants and planting methods can be found in documents including but not limited to *Florida Friendly Landscaping*, and the *University of Florida's Friendly Yards and Neighborhood Handbook*.

Policy 3.11: The City shall encourage the use of Integrated Pest Management (IPM) methods as an environmentally sound way to control pests.

Objective 4: The surface waters and groundwater resources of the City shall be protected to ensure that their biological, ecological and hydrological functions are maintained, conserved, or improved.

Policy 4.1: All protected wetlands shall include upland buffers, pursuant to State and Federal requirements, adjacent to these wetlands for habitat diversity, edge enhancement, and the promotion of wildlife conservation.

Policy 4.2: The City shall continue the water quality monitoring and maintenance program for its canal system to ensure adequate protection of its potable water and recreational resources.

Policy 4.3: To maintain or enhance water quality in area waterways, the City shall amend the Land Development Code prior to 2010 to require appropriate landscaping, including natural materials and amounts to be installed or retained, at the waterline of canals and waterways for new development.

Policy 4.4: Protection of wetland quality and function will be prioritized as follows:

- Avoidance of impacts
- Minimization of impacts
- Mitigation of impacts

Policy 4.5: The City shall continue to work closely, and coordinate with, the Southwest Florida Water Management District and the Federal Army Corps of Engineers (ACOE) in the enforcement of state regulations regarding mitigation of wetland degradation and/or destruction.

Policy 4.6: No issuance of land clearing or other development permits shall occur until all necessary SWFWMD Environmental Resource Permits have been presented to the City for review and acceptance.

Policy 4.7: Land use development activities in important groundwater recharge areas, individual wellheads, and well fields, when identified, shall be consistent with water resources protection. To better protect these areas the City, consistent with Policy 6.9 of the Potable Water Element, shall through ordinance develop a new section of the Unified Land Development Code to address wellhead protection. The section will identify inappropriate land uses and facilities and shall be consistent with State legislation.

Policy 4.8: The City of North Port will coordinate with other governmental and private entities to protect water resources.

Policy 4.9: Consistent with City utility master planning initiatives, the City shall continue to expand its system of municipal potable water, sanitary sewer, and reclaimed water service in order to decrease the number of private water wells and septic systems that impact surface waters, aquifers, and the natural environment.

Policy 4.10: The City shall continue to enforce its earthmoving ordinance in order to conserve and protect the natural resources within the City of North Port, while also promoting opportunities for responsible development.

Policy 4.11: Consistent with Objective 7 of the Potable Water section of this Comprehensive Plan, the City shall continue to implement and enforce its water conservation code, and will modify restrictions whenever called upon by SWFWMD consistent with the SWFWMD Water Shortage Plan.

Objective 5: The City shall continue management and protection programs and procedures to preserve and enhance the Myakkahatchee Creek as a Class I potable water supply and natural resource amenity.

Policy 5.1: For those lots along the Myakkahatchee Creek where buy-back purchase or TDR programs may not be feasible, strict local ordinances shall continue regulating stormwater runoff, the handling and storage of hazardous and special wastes, and native vegetation removal. Accordingly, the Future Land Use Map shall designate this area as Recreation/Open Space, which will provide strict regulations to mitigate the impacts of future development. These ordinances and regulations shall provide for incorporation of upland buffers adjacent to wetlands, identifying and remediating artesian wells, remediating any point sources of inadequately treated stormwater which may be identified, strict land development regulations, stringent regulations regarding sewage disposal methods appropriate to the area, and other restrictions as deemed appropriate.

Policy 5.2: The City shall seek the assistance and advice of the Southwest Florida Water Management District (SWFWMD) and other appropriate agencies, in order to achieve the nomination and eventual purchase of lands bordering the Myakkahatchee Creek under the Save Our Rivers program, SWIM and other appropriate grant programs.

Policy 5.3: Consistent with the Myakkahatchee Creek Greenway Master Plan, protection and preservation of valuable plant and wildlife resources along the Myakkahatchee Creek shall remain a high priority.

Policy 5.4: In protection of the Myakkahatchee Creek as a Class 1 potable water supply source, the City shall continue efforts toward the completion of acquiring Tier 1 and 2 properties along each side of the creek and, further, shall support the acquisition of other environmentally significant properties within the watershed.

Objective 6: The City of North Port shall continue to enforce the City's wetland ordinance that conserves and protects the health, function and biological integrity of all remaining viable wetland systems as defined by State agencies in order to prevent the violation of State water quality standards; maintain freshwater storage capabilities; reduce damage to property and loss of life due to flooding; maintain the viability and diversity of native plants and animals and their habitats; and assure the continued conservation of irreplaceable natural resources.

Policy 6.1: No wetland alteration or removal shall be permitted, unless reasonable use of the property is dependent upon said alteration or removal. Appropriate, equitable and compensating mitigation or restoration shall be required for all wetland disturbances, pursuant to State and Federal guidelines. Consistent with Policy 1.8 and Policy 4.4 of this Element, the City shall work with developers to minimize the impacts of developments upon wetland systems. It is also preferred that mitigation for any wetlands that are taken due to development activity be located within the City of North Port or in mitigation banks adjacent to the City.

Policy 6.2: All necessary state and federal permit approvals shall be obtained prior to permitting an activity that impacts existing wetland areas. Prior to the next Evaluation and Appraisal Report, the City shall evaluate all applicable sections of the Unified Land Development Code to ensure that they are consistent with any revisions to applicable State or Federal wetland regulations.

Policy 6.3: In order to preserve and enhance the function of the 100-year floodplain and associated habitats, including wetlands, the City shall utilize the use of Transfer of Development Rights, or other techniques, and appropriate construction methods within the FEMA FIRM 100-year floodplain. Further, prior to the next Evaluation and Appraisal Report (EAR) deadline, the City shall review applicable sections of the City Land Development Code to determine whether amendments will be necessary to strengthen the City's ability to protect the floodplain, and associated habitats.

Policy 6.4: The dredging or filling of the Myakkahatchee Creek shall be prohibited, except for that required for canal maintenance, public recreation, improvements to the drainage system, navigation in the tidal portion of the creek, or potable water supply requirements. Any such activities shall be coordinated with the appropriate local, state, or federal agencies.

Policy 6.5: The City, by the year 2010, shall amend the Wetlands Protection Ordinance to include provisions for development density/intensity in close proximity to jurisdictional wetland areas. Such provisions shall be based on State and Federal wetland protection regulations. The City shall continue to require adherence to Southwest Florida Water Management District regulations, as well as other appropriate State, Federal, or County wetland enforcement agencies.

Objective 7: Prior to 2010, the City will implement programs and procedures for the protection, preservation and conservation of coastal water resources and fresh water resources, including, but not limited to waterways and canals.

Policy 7.1: The City, which has representation on the Charlotte Harbor National Estuary Program, shall continue to coordinate with this body by participating in its resource planning and management activities, as directed by the Southwest Florida Regional Planning Council. The City shall also attempt to take advantage of the resource protection activities and measures provided by the Surface Water Improvement and Management (SWIM) program legislated by the State of Florida. The various elements of these programs will be considered for incorporation into the City's Comprehensive Plan.

Policy 7.2: Recognizing that the City of North Port lies within the Charlotte Harbor drainage basin, the City will support, and where applicable, participate in the resource management activities directed by the Charlotte Harbor National Estuary Program in their implementation of the regional Comprehensive Conservation and Management Plan (CCMP).

Policy 7.3: The City shall maintain staff representation to the Charlotte Harbor National Estuary Program.

Policy 7.4: Development which affects the designated "Wild and Scenic Protection Zone" of the Myakka River shall meet standards which conform to, or are more stringent than, standards developed pursuant to Section 258.501, Florida Statutes, the "Myakka River Wild and Scenic Designation and Preservation Act," including standards found in the Myakka Wild and Scenic Management Plan as adopted and amended. All necessary "Myakka River Permits" shall be secured from the Florida Department of Environmental Protection prior to the approval of development by the City of North Port, as applicable.

Policy 7.5: The City shall abide by the 2007 "State-Local Agreement for Administering the Myakka River Wild and Scenic Protection Zone" between the City, FDEP, and FDCA regarding the administration of the Myakka River Wild and Scenic Protection Zone, as established in Section 258.501, Florida Statutes.

Policy 7.6: By November 13, 2008, the City shall amend its Land Development Regulations to include the Myakka River Protection Zone Ordinance in accordance with the "State-Local Agreement for Administering the Myakka River Wild and Scenic Protection Zone" between the Florida Department of Environmental Protection (FDEP), Florida Department of Community Affairs (FDCA), and the City of North Port. This ordinance shall set forth the City's legal responsibilities, activities that will be regulated, and procedures for regulating activities within the Protection Zone.

Policy 7.7: Consistent with protection of the Myakka Wild and Scenic River, shoreline hardening shall be prohibited on the Myakka River.

Policy 7.8: Support the efforts and consider recommendations from intergovernmental organizations concerning the Myakka River Watershed.

Policy 7.9: Enforce the Myakka River Protection Zone regulations and all City regulations designed to protect the Myakka River and the wild and scenic nature of the River.

Policy 7.10: The City will support protection of the Myakka River corridor through the implementation of the City Myakka River Wild and Scenic protection requirements. Buffers for all development within the Myakka River protection zone shall be a minimum of 220 feet.

Objective 8: The City shall increase protection of the natural functions of the FEMA - FIRM 100-year floodplain through the establishment of revised land development regulations so that the flood-carrying and flood-storage capacity are maintained.

Policy 8.1: The City shall review and update appropriate flood damage prevention ordinances to ensure compatibility with all current state and federal water management regulatory controls, recommendations from the Big Slough Watershed Study, and consistency with the policies of this Plan.

Policy 8.2: Prior to the next Evaluation and Appraisal Report (EAR), the City shall review land development regulations affecting land development activities within designated

"Conservation" areas, and designated "Recreation and Open Space" corridors on the Future Land Use Map for consistency with new and modified policies that are the result of City, State, or Federal studies, guidelines, or laws.

Policy 8.3: The City shall continue its participation in the National Flood Insurance Program's Community Rating System and will undertake those activities necessary to maintain or enhance its rating in order to provide increased awareness of flood protection, reduce damage from floods, and to provide reduced flood insurance premiums for residents of the City.

Objective 9: The City of North Port shall meet or exceed the minimum air quality levels established by the FDEP.

Policy 9.1: The City shall continue to cooperate with the County's air quality monitoring program as delineated in County Ordinance 85-63 (Sarasota County Air Pollution Control Code).

Policy 9.2: Industrial land uses shall be located where they minimize the impact on current air quality standards.

Policy 9.3: The City shall reduce the potential for automobile emissions pollution by amending the Land Development Code where appropriate and by reviewing the following:

- developments such as Activity Centers;
- require vegetative buffer strips, including street trees and native plants, between arterial and collector roadways and residential development; and
- promote alternative transportation modes such as car-pooling, public transit and bicycle and pedestrian paths.

Policy 9.4: The City shall encourage "green development" which reduces the overall impact to the natural and human environment, including air quality.

Objective 10: Consistent with the City's Archaeological Resource Protection Ordinance, the City shall take action to preserve and protect all significant historic and archaeological sites, as they become known, located within the City of North Port. Such actions may include partnerships with other government agencies, colleges/universities, or private organizations.

Policy 10.1: Per the City's Land Development Code, including the Archaeological Protection Ordinance, the City shall consider the utilization of transfer of development rights as a means of preserving those platted lots in the Archaic Indian Midden and the burial area in the associated slough located near Little Salt Spring, Atwater site, and other sites as they become known.

Policy 10.2: The City shall support establishing the extent of the Little Salt Spring Indian settlement by working with the known American Indian tribes and descendants of this settlement, Florida Department of State's Division of Historical Resources, Sarasota County and the University of Miami. Agreements between the City and owners of the platted

properties in question shall allow for research in order to further scientific knowledge of the settlement area.

Policy 10.3: The City shall abide by and enforce its Archaeological Resource Protection Ordinance to protect significant archaeological and historic sites.

Policy 10.4: The City shall support the acquisition and preservation of historic or archaeologically sensitive sites. These actions may include partnerships with other government agencies, academic institutions, or private organizations.

-Soils-

Objective 11: The City of North Port shall protect and maintain its soils as an integral part of the City's natural resources and economy.

Policy 11.1: To preserve and protect native soils, the City will continue to implement the erosion control guidelines stipulated in the Land Development Code.

Policy 11.2: To preserve and protect native soils, the City shall encourage alternatives to the utilization of fill for flood protection of buildings including the construction of stem walls and piling supported structures.

-Public Awareness-

Objective 12: The City will continue programs to enhance public awareness of natural resources in order to better understand the importance of these resources and the need for their proper management and conservation. Methods for increasing public awareness may include, but not necessarily be limited to, public presentations, education programs, and publications.

Policy 12.1: The City shall develop education materials concerning sound environmental practices to be distributed to builders, developers and property owners.

Policy 12.2: The City will educate the public on the value of natural resources, especially threatened and endangered species through interpretive displays and trails at recreation sites and parks.

Policy 12.3: The City shall establish guidelines, recommendations, and incentives encouraging private landowners to use good management practices to protect the habitats of rare, endangered and threatened species and species of special concern, based on existing supporting data and analysis.

Policy 12.4: The City shall maintain, or create, partnerships with local, state, and federal regulatory agencies to provide educational materials, conduct public information workshops, speak with local service clubs, special interest groups, schools, and other stakeholders.

Policy 12.5: To promote “green development” within North Port, the City shall provide educational materials created in-house or by other applicable local, state, federal, or private agencies to increase the awareness of such practices to the general public and the development industry. The City shall also support presentations and workshops that accomplish this educational goal.

COASTAL ZONE MANAGEMENT GOALS, OBJECTIVES, & POLICIES

Goal 1: Lessen the impact of a destructive storm or other natural or man-induced event on human life, public facilities, private structures, infrastructure, and coastal natural resources in the City of North Port.

Objective 1: The City shall continue to require infrastructure necessary to meet its future land use demand for coastal infrastructure consistent with public safety, to maintain Levels of Service as described in the various elements of this Comprehensive Plan, while limiting impacts to natural and historic resources.

Policy 1.1: The City will continue to regulate development throughout the planning period to ensure that public facilities are provided concurrent with need and to maintain Levels of Service as described in the various elements of this Comprehensive Plan.

Policy 1.2: Man-made structures shall meet all applicable height and set-back requirements when constructed within the FEMA "A" zones or SLOSH Category 1 zones of the City of North Port. This policy shall continue to be reflected in the City's Building Code.

Policy 1.3: The City shall minimize the addition of road, water, sewer, or drainage infrastructure in the "A" Zone, or Category 1 SLOSH Zone, and shall limit the building of public infrastructure, except in the form of passive recreational facilities that provide public access to creeks, rivers, bays and harbors, as coordinated with the proper local, state, or federal agencies.

Policy 1.4: The City, through implementation of its Unified Land Development Code and Comprehensive Plan, master planning processes, and support of local, state, or federal initiatives or agreements, shall limit impacts related to development or redevelopment activities which could have negative impacts upon wetlands, water quality, water quantity, wildlife habitat, living marine resources, shorelines, and historic resources within the coastal area.

Policy 1.5: The City shall continue to apply for grants, implement projects (such as the Myakkahatchee Creek initiative) and support local, state, or federal initiatives aimed at the restoration or enhancement of disturbed or degraded natural resources including shorelines, estuaries, wetlands, and drainage systems. The City shall also support programs aimed at mitigating future disruptions or degradations of significant natural systems in our region.

Policy 1.6: The City shall support initiatives such as the acquisition of lots and parcels along creeks, rivers, bays and harbors, which decrease the number of residents, and their associated impacts, living within FEMA designated “A” Zones and Category 1 SLOSH Zones.

Policy 1.7: Consistent with Policies 7.4 and 7.5 in the “Conservation” section of this Comprehensive Plan, the City shall abide by its “State – Local Agreement for Administering the Myakka River Wild and Scenic Protection Zone” with FDEP and FDCA regarding the “Wild and Scenic” Myakka River, and shall coordinate development proposals of any type that would have an impact upon the shoreline, the River, and the plant and wildlife that are dependent upon the River with all applicable agencies.

Policy 1.8: The City hereby defines its “Coastal High Hazard Area” as the Category 1 Sea, Lake, and Overland Surges From Hurricanes (SLOSH) Zones as indicated in the Southwest Florida Regional Planning Council’s “Hurricane Storm Tide Atlas For Sarasota County (1991).”

Objective 2: The City shall continue to utilize, and amend when necessary, land development regulations which establish standards for types, sizes, densities, and intensities of all land use categories, minimize development within the established “Coastal High Hazard Area,” aid in the provision of emergency shelters for current and future residents, and enhance the City and regional hurricane evacuation network, consistent with the County and Regional Hurricane Evacuation Plans

Policy 2.1: The City will continue to provide staff support and assistance to aid the Southwest Florida Regional Planning Council, Sarasota and Charlotte Counties, and other appropriate local governments and agencies, in the identification of public and private shelter, including rental space, for all City residents, consistent with the Southwest Florida Regional Planning Council's Hurricane Evacuation Plan.

Policy 2.2: The City will participate in all transportation planning efforts to ensure that minimum evacuation times can be maintained during an evacuation on the City's evacuation routes consistent with the Southwest Florida Regional Strategic Plan.

Policy 2.3: The City shall continue to work with the Sarasota-Manatee MPO, the Charlotte County-Punta Gorda MPO, FDOT, and other applicable local, state, and federal agencies to seek funding for additional capacity to be added to the Sumter Boulevard, Toledo Blade Boulevard, and River Road Hurricane Evacuation Routes in order to decrease evacuation times for residents and visitors if the region is threatened by tropical systems, or other forms of disaster.

Policy 2.4: The City will continue to participate in erosion-prevention and flood-prevention programs for those areas along the City's evacuation routes where erosion and flooding are potential problems.

Policy 2.5: The City shall continue to cooperate with local, state and regional agencies, including the School Board of Sarasota County, to ensure that safe shelter is available for the City's at-risk populace.

Policy 2.6: Consistent with the Southwest Florida Regional Planning Council's Hurricane Evacuation Plan the City shall continue to fulfill its assigned role as specified within the Sarasota County Peacetime Emergency Plan and its policies regarding hurricane evacuation and sheltering.

Policy 2.7: The City will continue to meet and coordinate annually with Charlotte and Sarasota County Disaster Preparedness and local Red Cross officials, as well as other local, state, and federal agencies as applicable, for the purpose of identifying and designating additional public and private structures, both inside and outside the City, as hurricane evacuation shelters, consistent with the Regional Hurricane Evacuation Plan.

Policy 2.8: The City will encourage new developments to provide for the shelter needs of their residents or employees.

Objective 3: In order to limit public expenditures that may be construed as subsidizing development and post-disaster redevelopment in coastal high-hazard areas, the City of North Port will continue to regulate the number and type of structures subject to damage in FEMA "A" Zones, or the designated Coastal High Hazard Area. Post-disaster redevelopment plans shall take into consideration the need to limit densities within these zones in order to protect life, property, and limit future public infrastructure needs in those areas, with the exception of the provision of passive recreational access to the water.

Policy 3.1: The City will continue to promote the relocation of repeatedly-damaged structures in FEMA "A" zones, or the designated Coastal High Hazard Area, to safe locations.

Policy 3.2: The City will continue to enforce FEMA, DEP, and local setback and height requirements for the safety of structures, especially those located along the Myakkahatchee Creek, and other similar waterbodies which are in FEMA "A" zones or the designated "Coastal High Hazard Area." Further, the City shall make all efforts to discourage further development, or redevelopment, in such areas, with the exception of providing passive recreational access to these areas.

Policy 3.3: In the event a hurricane strikes, the recovery effort will be accelerated by the immediate distribution of free emergency permits by the appropriate authority for repair and clean up of damage to private and public structures and utilities, to the extent such situations are still marginally usable without such repair.

Policy 3.4: Structures in the FEMA "A" zone, the Category 1 SLOSH zone or in areas subject to severe erosion or flooding which are determined to be in excess of 50% damaged, shall not be permitted to be redeveloped to original design specifications.

Policy 3.5: The City shall continue to utilize its Operational Guidelines for emergency management procedures for the periods before, during, and after natural or man-induced disasters impact or threaten the City.

Policy 3.6: Coordinate research and planning efforts between the City, the Southwest Florida Regional Planning Council, and other appropriate agencies in order to update pertinent sections of the City Emergency Management Plan, the Sarasota County Emergency Management Plan, and the Local Mitigation Strategy (LMS), as applicable, to develop a post-hurricane disaster plan that addresses long term repair and redevelopment activities.

Policy 3.7: Consistent with SARA Title III, the North Port Fire Rescue Department and the City Police Department, in conjunction with the Sarasota County Division of Emergency Management, shall continue to cooperate in the preparation of an inventory of hazardous materials generators in the City of North Port, or in unincorporated areas where the City Fire and Police Departments have responsibility. This shall be inclusive of areas both within and outside of the “coastal zone.”

Policy 3.8: For those portions of the City within the Category 1 hurricane zone, the City will investigate limiting the types of development that may occur and requiring structural design elements that lessen potential damage to structures and allow freer flow of water, such as elevation of structures on stilts, stem-wall construction and location of parking areas on the ground floor of commercial buildings.

Objective 4: The City will educate the public about the dangers associated with tropical systems, floods, fires, and other natural or man-made disasters and emergencies.

Policy 4.1: The City shall continue its programs to educate the public regarding disasters, disaster preparedness, disaster response, and post-disaster redevelopment and assistance. Such programs include, but are not limited to, public presentations, television and radio programs or advertisements, and publications.

Policy 4.2: The City shall continue to coordinate with other local, state, and federal governments and other public or private agencies, as applicable, to coordinate public education regarding emergency preparedness.

Policy 4.3: The City shall require, through its Development Order processes, that all major new residential and non-residential developments in the City develop educational programs regarding preparation for, and actions to be taken, if the City is threatened by natural or man-induced emergencies including, but not limited to, tropical systems, floods, fires, and hazardous material issues.

Chapter 2

Environment

Sarasota County Comprehensive Plan

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The Environmental Protection and Coastal Islands Plan

INTENT AND PURPOSE

The City of Sarasota has an abundance of natural resources, including Sarasota Bay, and a diversity of associated habitats and species. Since the early 1970's, there has been increasing interest both nationally and locally about preserving and protecting the environment. The intent of the Environmental Protection and Coastal Islands Chapter is to maintain and enhance the environment in the City of Sarasota, seek a balance between man-made and natural systems, and provide adequate measures to protect life and property from natural disasters. The foundation for this Chapter is **Sarasota's Strategic Plan** and Florida statutory requirements.

Sarasota's Strategic Plan Goals

In 2004, the City Commission adopted "Sarasota's Approach to Strategic Planning", which provides the foundation for the Strategic Plan and six Strategic Goals that have particular relevance to this Chapter:

"An attractive, environmentally-friendly community that is safe and livable and provides an array of cultural and aesthetic enjoyments."

Viable, safe and diverse neighborhoods and businesses that work together

The natural environment is one of the City's greatest assets and its protection is vitally important. In the short and medium-term the section in this chapter on Hurricane Vulnerability and Disaster Preparedness has relevance to City residents' safety. From a long-term, global perspective, all of the issues of this chapter may be the most important to our safety and survival.

It is the intent of the Environmental Protection and Coastal Islands Plan to pursue actions that further **Sarasota's Strategic Plan**.

Florida Statutory Requirements

The Environmental Protection and Coastal Islands Chapter is also intended to meet the requirements as outlined in Chapter 9J-5 of the State of Florida Administrative Code. This chapter addresses the issues and recommendations contained in the Evaluation and Appraisal Report (EAR), in accordance with State requirements, and which was adopted by the City Commission on October 11, 2005.

Organization of the Environmental Protection and Coastal Islands Plan

Since the coastal and inland environmental systems are closely related, the City has combined the Coastal Management Chapter and Conservation Chapter, both required by the Local Government Comprehensive Planning and Land Development Regulation Act, into this Chapter titled “Environmental Protection and Coastal Islands”. This Chapter addresses those State planning requirements and also focuses on specific issues relative to the City’s coastal islands. The Environmental Protection and Coastal Islands Plan consists of two goals followed by objectives and action strategies pursuant to these goals.

The Environmental Protection and Coastal Islands Plan is organized around objectives addressing the following topics:

- Objective 1. Compliance with Existing Regulations;
- Objective 2. Historic and Archeological Resources in the Coastal Area;
- Objective 3. Land Uses Compatible with Coastal Resources;
- Objective 4. Reduction of Exposure to Natural Disasters; and,
- Objective 5. Safe Evacuation and Adequate Shelter during Natural Disasters.

The Environmental Protection and Coastal Islands Plan is one of the eleven plans which collectively represent the Sarasota City Plan. This Plan can neither stand alone nor be interpreted independent of the others.

Implementation of the Sarasota City Plan

Implementation of the Sarasota City Plan will require actions by both the public and private sectors. In this regard many of the plan components speak to “the City” pursuing certain actions to:

promote, provide, consider, identify, enhance, create, maintain, conserve, support, reduce discourage, coordinate, and employ.

While these actions may be initiated by City government itself, City government will also be expecting applicants seeking development approvals to pursue these same type of actions as part of their applications.

GOALS, OBJECTIVES AND ACTION STRATEGIES

Goal 1

It shall be the goal of the City of Sarasota to protect, maintain, enhance, and, where appropriate, restore its natural environment.

Objective 1 - Compliance with Existing Regulations

The City shall continue the administration, enforcement, and compliance with existing regulations and policies.

Action Strategies

1.1 **Requests for Development Approval:** During the review of requests for both public and private development approval, the City shall ensure that applications are consistent with the relevant environmental components of this comprehensive plan, and the most recently adopted and applicable local, regional, state, and federal plans and regulations. These shall include, but are not limited to, the City's Land Development Regulations including:

- Tree Protection regulations in Article VII, Division 3.1 of the Zoning Code;
- Engineering Design Criteria Manual;
- Storm Water Basin Master Plan (1987);
- Sarasota County Sea Turtle Protection Ordinance;
- Sarasota County Manatee Protection Plan that is applicable within the City;
- the City Code; and,
- other plans and regulations, such as:
 - ◊ Sarasota Bay Estuary Program's "Comprehensive Conservation and Management Program for Sarasota Bay" (1995);
 - ◊ Charlotte Harbor National Estuary Program;
 - ◊ Tampa Bay National Estuary Program;

- ◇ Southwest Florida Water Management District's "Water Shortage Plan." (Chapter 40D-21, Florida Administrative Code); and
- ◇ Environmental Resource Permitting of Surface Water Management Systems, administered by the Southwest Florida Water Management District, (Chapters 40D-4, 40D-40, 40D-45 and 40D-400, Florida Administrative Code). These permitting requirements address but are not limited to construction, alteration, or operation of surface water management systems, including tidal and freshwater wetlands.

This Plan recognizes that each request for development approval is unique in terms of location, use, intensity and, therefore, its potential impact upon natural resources. Since approval of some required permits occurs at various stages a finding of consistency with some regulations may occur after site and/or subdivision planning is complete. However, in no instance shall an occupancy permit be issued until all relevant environmental permits and approvals have been granted.

"Development approval" means approval of rezonings, conditional uses, site plans, and subdivision plats.

- 1.2 **Coordination with Public Agencies:** The City shall coordinate its activities with other relevant public agencies in the protection, enhancement, and restoration of natural resources.

1.3 **Specific Natural Resource Protection Initiatives - Water:**

In addition to regulations listed in this action strategy, the City will continue to support and comply with all applicable county, state and federal laws to protect water.

Water Resources: The quality of water resources shall continue to be protected in accordance with the Sarasota City Code.

Wellfield Protection: All development shall demonstrate that it will not pose a pollution hazard to potable water well fields pursuant to any applicable federal, state, county or city regulations.

Potable Water Protection: The City shall coordinate with Sarasota and Manatee Counties to ensure protection of the City's potable water sources and groundwater recharge areas pursuant to the Sarasota County Wellhead Protection Ordinance #92-079, or Manatee County Zoning Ordinance Section 738 (Groundwater/Wellhead Protection), and the Florida Department of Environmental Protection

Rule 62-521 that became effective in July of 1995. The purpose of these regulations includes, but is not limited to, the following:

- Establishment of wellhead protection areas around the wellheads; and
- Restriction and regulation of activities within the wellhead protection areas which could contaminate the wellfield such as:
 - ◊ wastewater treatment facilities,
 - ◊ phosphate mining,
 - ◊ solid waste facilities,
 - ◊ uses that generate or store hazardous materials, and
 - ◊ uses which employ chemical storage tanks above or below ground.

Bay Restoration: The City shall continue to conserve and protect the quality of water resources including the restoration of Sarasota Bay and its tributaries to comply with applicable state and federal water quality standards by 2010. This will be accomplished through the application and enforcement of the local, state and federal plans and regulations listed in Action Strategy 1.1 of this Chapter and compliance with U.S. Environmental Protection Agency, National Pollutant Discharge Elimination System Permit No. FLS000004. The provisions of this permit address but are not limited to the following:

- litter control and disposal;
- street sweeping;
- construction, operations and maintenance of storm water facilities;
- operations and maintenance of solid waste transfer facilities;
- employee training and licensing programs related to herbicides, pesticides and fertilizers;
- inspections for illegal dumping;
- programs related to oil recycling and the proper disposal of hazardous waste; and
- public education.

The City shall also comply with the Environmental Resource Permitting of Surface Water Management Systems, administered by the Southwest Florida Water Management District, (Chapters 40D-4, 40D-40, 40D-45 and 40D-400, Florida Administrative Code). These permitting requirements address but are not limited to construction, alteration, or operation of surface water management systems.

Reclaimed Water: The City shall continue to pursue urban and agricultural reuse of reclaimed domestic wastewater as the City's primary method of wastewater disposal.

Wastewater Discharge: The City shall operate the City Wastewater Treatment Plant in accordance with any permits required for its operation.

Stormwater Runoff: The quality and quantity of storm water runoff shall continue to be regulated in accordance with the “Engineering Design Criteria Manual” in order to protect the quality of receiving water bodies.

Water Conservation: The City shall cooperate with the Southwest Florida Water Management District in water conservation programs developed through the water use permit process.

Water Shortage Plan: The City shall support the Southwest Florida Water Management District Water Shortage Plan pursuant to Chapter 40D-21, Florida Administrative Code (F.A.C.), as may be amended, in the event a water shortage is declared.

Water Planning Alliance: The City will coordinate its water supply planning efforts with the Water Planning Alliance, which has been formed in the four county area of the Peace River/Manasota Regional Water Supply Authority.

National Estuary Program: The City shall continue to support the Sarasota Bay Estuary Program and the implementation of the Sarasota Bay Comprehensive Conservation and Management Plan.

Stormwater Utility: The City shall continue to participate in the Sarasota County Stormwater and Environmental Utility.

Charlotte Harbor: The City shall support the Charlotte Harbor National Estuary Program and the Charlotte Harbor Comprehensive Conservation and Management Plan.

Sarasota County Manatee Protection Plan: The City shall enforce the provisions of the Sarasota County Manatee Protection Plan (dated September 24, 2003) that are applicable within the City in order to protect water resources.

1.4 **Specific Natural Resource Protection Initiatives - Vegetation:**

Tree Protection: Trees, including mangrove stands, shall be protected with the exception of certain exotic pest species identified pursuant to the Tree Protection regulations contained within Article VII, Division 3.1 of the Zoning Code.

Nuisance Trees and Vegetation: The City will continue to identify nuisance trees and vegetation and will describe criteria and measures for their removal. The City will pursue a program of removing nuisance trees and vegetation from

City-owned public lands and encourages their removal from other public and private property.

Tree Protection Ordinance: The City shall periodically review the Tree Protection ordinance and make necessary revisions to insure it is achieving the intended purpose. Reviews shall consider best management practices for tree protection.

Green Canopy Program: To support the “Green Canopy Program” as a means of urban beautification, the Public Works Department shall:

- Inventory the need for urban trees;
- Prepare a guide for selection, planting procedures, and care for urban trees; and,
- Allow for the private contribution of funds into a program that increases the number of trees in public spaces.

The City shall work toward achieving and maintaining Sarasota County’s tree canopy coverage goal of 40%.

Florida Friendly Landscapes Program: The City shall promote the Florida Friendly Landscapes Program and shall utilize Florida Friendly Landscape techniques and plants for city-owned property. Florida friendly landscapes use native vegetation that require low levels of irrigation and fertilization.

Fertilizer Ordinance: In accordance with Ordinance 07R-1973, the City shall regulate the application of fertilizer consistent with Sarasota County Ordinance No. 2007-053.

Mangrove Protection: The protection of mangroves shall comply with the Mangrove Trimming and Preservation Act, Sections 403.9321 through 403.93333, Florida Statutes.

Native Habitat Restoration and Management: The City will explore the creation of a native habitat restoration and management strategy. This strategy may include coordination with Sarasota County’s Environmentally Sensitive Lands Protection Program, development of a habitat and natural resources inventory, and acquisition of property through various methods, including the use of Florida Forever funds, to restore damaged environmental systems, manage and protect natural resources, and to increase public access to natural resources.

- 1.5 **Specific Natural Resource Protection Initiatives - Wetlands:** The City will continue to support and comply with applicable regulations which protect wetlands. The applicable regulations shall include, but not be limited to, the most recently adopted and applicable documents, as may be amended, listed in Action Strategy 1.1 of this Environmental Protection Plan; Chapter 373, Florida Statutes;

and Chapters 62-4, 62-40, 62-302, 62-340, and 62-342, Florida Administrative Code.

- 1.6 **Specific Natural Resource Protection Initiatives - Wildlife/Wildlife Habitats:** The City will continue to support and comply with applicable regulations which protect fisheries, wildlife and wildlife habitats.

- 1.7 **Sea Turtle Protection:** The City shall continue to coordinate with Sarasota County in regards to enforcement of the “Sarasota County Sea Turtle Protection Ordinance” within the City limits.

- 1.8 **Specific Natural Resource Protection Initiatives - Hazardous Wastes:**

Hazardous Wastes: The City will continue to support and comply with regulations applicable to the collection and disposal of hazardous waste.

Hazardous Wastes: The City will cooperate with Sarasota County in the Amnesty Days program to collect and safely dispose of hazardous wastes.

Underground Storage Tanks: The City will cooperate with Sarasota County in the Underground Storage Tank Program, which provides for annual inspections of regulated storage tanks and provides technical and fiscal oversight of site assessment and cleanup.

- 1.9 **Specific Natural Resource Protection Initiatives - Air:** Activities which generate air contaminants shall be regulated pursuant to the Sarasota City Code. The City shall continue to support and comply with all applicable county, state and federal laws to protect air quality. This City will also support Sarasota County’s efforts to monitor ambient air quality.

- 1.10 **Specific Natural Resource Protection Initiatives - Aircraft Noise:** The City shall continue to coordinate with and monitor the Sarasota-Bradenton Airport Noise Compatibility Program and its recommended land use strategies. The City will support the establishment of a new noise monitoring station in Newtown if, in the future, the Newtown community becomes included in the airport’s 65+ DNL noise contour. In that event, the City and Airport Authority will jointly develop a noise mitigation strategy.

- 1.11 **Specific Natural Resource Protection Initiatives - Dredging:**

Dredge Spoil Sites within the City: The City will allow the disposal of dredge material within the City limits for the renourishment of Lido Beach, subject to approval by the City.

Dredge Spoil Sites Outside the City: The City shall coordinate with appropriate state and federal agencies, nearby local governments and counties, and the public in identifying dredge spoil disposal sites.

Whitaker Bayou Dredging: To mitigate potential environmental impacts and prevent the dispersion of existing sediments and any possible deposits of heavy metals in Whitaker Bayou, the City or other applying agency will secure all required permits prior to any potential dredging for navigation or flood control purposes.

1.12 **Specific Natural Resource Protection Initiatives – Manatees:**

Manatee Protection Plan: The City hereby adopts the **Sarasota County Manatee Protection Plan**, dated September 24, 2003, as a component of the Sarasota City Plan in order to reduce human-related threats to manatees and their habitat. The City shall follow and implement the resource protection strategies in the **Sarasota County Manatee Protection Plan** aimed at protecting manatees. The City shall amend its land development regulations to include a requirement that development proposals be consistent with and further the **Sarasota County Manatee Protection Plan**.

Boat Facility Siting Plan: The development of new and/or expansion of existing boat facilities of five or more wet or dry marine slips shall be consistent with the Boat Facility Siting Plan component of the **Sarasota County Manatee Protection Plan**. The City shall amend its land development regulations to include a requirement that the location of all boat facility development proposals be consistent with the Boat Facility Siting Plan.

The **Sarasota County Manatee Protection Plan** shall not be interpreted or applied within the City exclusive of other provisions of the Sarasota City Plan and the City Land Development Regulations which identify and determine allowable land uses.

1.13 **Specific Natural Resource Protection Initiatives – Bayfront Mooring Field:**

A bayfront mooring field shall be developed and maintained in the vicinity of Bayfront Park in an environmentally responsible manner in accordance with permits issued by the State of Florida and Federal agencies.

1.14 **City Coordination with County Environmental Programs:** The City shall review and coordinate with Sarasota County regarding programs and policies that protect the environment, and will consider adopting County environmental protection ordinances on a case-by-case basis.

Objective 2 - Historical and Archeological Resources in the Coastal Area

The City's Historic Preservation program shall continue to identify historic and archeological resources in the coastal area and to promote the conservation and restoration of said resources through site plan review.

Objective 3 - Land Uses Compatible with Coastal Resources

The City shall continue to provide for land uses that are compatible with coastal resources.

Action Strategies

- 3.1 **Water-Dependent Uses:** Water-dependent uses which are consistent with the Future Land Use Map shall be given priority in the development/redevelopment of land adjacent to the coastline. The maintaining of existing waterfront land for water-dependent land uses shall be a priority for the City.
- 3.2 **Shorelines:** The City shall coordinate with the appropriate federal, state, and county agencies to retain primary authority over private docks, seawalls, and shoreline alteration, pursuant to the Land Development Regulations. Appropriate members of City staff will communicate as necessary with officials from federal, state, and local agencies as needed to determine whether Land Development Regulations should be revised in order to retain the primary authority.
- 3.3 **Shoreline Land Use:** Recognizing that the City of Sarasota is a nearly built-out city and that it is not a port city, the Future Land Use Map, related Future Land Use Plan action strategies, and other relevant action strategies contained in this Sarasota City Plan will guide shoreline land use decisions.
- 3.4 **Pedestrian Access Along Shoreline:** The City encourages property owners to provide for public, pedestrian access parallel to the shore (through easements and appropriate walkway structures), in the event that shore hardening is permitted and constructed along the shore. In the event that public access is not provided, the City may consider acquisition of property(s) or easement(s) in order to provide access.
- 3.5 **Beach Protection:** The City shall continue to protect beaches, dunes, and coastal vegetation from vehicular traffic and dunes and coastal vegetation from pedestrian traffic. The City shall continue to prohibit the operation and parking of motor

vehicles upon public beaches except in locations specifically designated for such driving and by government employees on official business. Dune walkover structures shall be required at all beaches to prevent impacts to native vegetation and dune systems.

- 3.6 **Impervious Surface Area:** The City shall continue to explore reducing the amount of existing impervious surface in the Sarasota Bay watershed and seek alternatives for reducing impervious surface area in future development.
- 3.7 **Coastal Islands Maximum Impervious Surface Overlay Map:** The maximum impervious surface coverage for parcels located on the coastal islands are displayed on Illustration EP-16, Coastal Islands Maximum Impervious Surface Overlay Map.
- 3.8 **Impervious Surfaces on Coastal Islands:** The City shall further evaluate the reduction of impervious surfaces for sites located on the coastal islands. Impervious surfaces shall be minimized to the maximum extent feasible, especially for parking surfaces.
- 3.9 **Resource Preservation:** The City will continue to preserve and protect naturally occurring habitats, such as beaches, dunes, seagrass beds and coastal vegetation.
- 3.10 **Coastal Islands Design Guidelines:** The City will evaluate the development and use of design guidelines for structures located on the coastal islands in order to protect the coastal islands historical legacy, integrity of the environment, and character of its neighborhoods. The focal point of the design guidelines, if pursued, shall be on compatibility of infill development with existing structures.
- 3.11 **Traffic Calming:** The City will develop and maintain a traffic calming program for the coastal islands that will reduce vehicle speeds, improve safety, and enhance the quality of life.
- 3.12 **No Expansion of Resort Residential Classification:** In order to promote neighborhood compatibility, the Resort Residential Future Land Use Map classification shall not be expanded on Lido Key.
- 3.13 **Coastal Islands Maximum Building Height Overlay Map:** The maximum building height for parcels located on the coastal islands are displayed on Illustration EP-15, Coastal Islands Maximum Building Height Overlay Map.
- 3.14 **Variances:** Due to the dynamic and fragile environment of coastal islands, variances from minimum zoning lot size requirements and from maximum building coverage limitations shall be prohibited on coastal islands

- 3.15 **Locations where a Marina or Mooring Field shall be Excluded:** No marina or boat mooring field shall be developed in the waters in the vicinity of southern Lido Key, Otter Key, or St. Armands Key.
- 3.16 **Prohibition of Shoreline Hardening:** Except in the case of emergency as provided in Chapter 161, Florida Statutes, the construction of new artificial shoreline hardening structures shall be prohibited. This action strategy does not preclude the maintenance or replacement of existing shoreline hardening structures.

Goal 2

It shall be the goal of the City of Sarasota to protect life and property in the coastal area from destruction by natural disasters.

Objective 4 - Reduction of Exposure to Natural Disasters

The City, working in cooperation with the Sarasota County Department of Emergency Management, shall continue to reduce the exposure of life and property to natural disasters and discourage population concentrations in the coastal high hazard area.

Action Strategies

- 4.1 **Development and Evacuation:** The City shall ensure that future development within the Coastal High Hazard Area does not occur in amounts, types, or locations that would cause total evacuation time to exceed those established by the City's "Peacetime Emergency Plan" which shall not exceed more than 16 hours.
- 4.2 **Storm Damage Minimization:** The potential for storm damage shall be minimized through compliance with applicable Land Development Regulations including but not limited to:
- Florida Building Code (2004);
 - Coastal Construction Code;
 - Sarasota Zoning Code, which:
 - ◇ regulates construction in the high wind areas using the standard for hurricane resistant construction SSTD 10-93;
 - ◇ regulates areas of special flood hazard;

- ◇ regulates properties in the Marine Park zone, by requiring special approvals for any use which could have any negative impact or cause erosion or environmental damage, such as flooding; protects beach and dune alteration through regulations requiring special permitting procedures for properties within the 150 foot gulf-front setback. These regulations require property owners to establish that proposed changes:

- ⇒ will not endanger the stability of the beach-dune system;
- ⇒ will not accelerate erosion;
- ⇒ obtain advance approval from the Florida Department of Environmental Protection;

- ◇ encourages the use of dune walk-over systems to preserve vegetation and the dunes;
- ◇ uses conservation districts as overlay zones to protect land uses in certain environmentally sensitive areas including coastal areas, beaches, dunes and marshes;

- Engineering Design Criteria Manual, which mandates stormwater attenuation and requires that external drainage systems shall be built to the 25-year/24-hour storm event; and,
- Operational provisions to recover from damage caused to the sanitary sewer system caused by severe storms.

4.3 **Federal Emergency Management Act (FEMA):** The City will continue to participate in the Federal Emergency Management Act Community Rating Systems (CRS) Program, which involves meeting higher than minimum FEMA standards. The CRS program includes but is not limited to:

- the City's adopted flood plain management program which deals with strategies to lessen flooding and respond to emergencies; and
- annual reports to the CRS Program on the City's progress, and effects of any storms.

4.4 **Neighborhood and Development Services Department Procedures:** The City shall consider procedures recommended by the Insurance Service Organization, which reviews and rates Neighborhood and Development Services Department procedures. If recommendations are found to be feasible, the Neighborhood and Development Services Department will develop strategies for implementation.

4.5 **Peacetime Emergency Plan:** The City shall employ the hazard mitigation annex of the Peacetime Emergency Plan, the purpose of which includes, but is not limited to:

- assigning responsibilities and establishing procedures for governmental agencies, volunteer agencies, and individuals, in preparing for and executing evacuation of designated areas of Sarasota;
- relocation of coastal residents, residents of mobile home parks, and residents of low-lying areas subject to flooding; and
- providing maximum warning time possible to residents of those areas which are deemed to be in danger.

4.6 **Coastal Property Acquisition:** The City will consider measures, including the acquisition of coastal property subject to frequent damage during natural disasters, to reduce the exposure of life and property to future disasters.

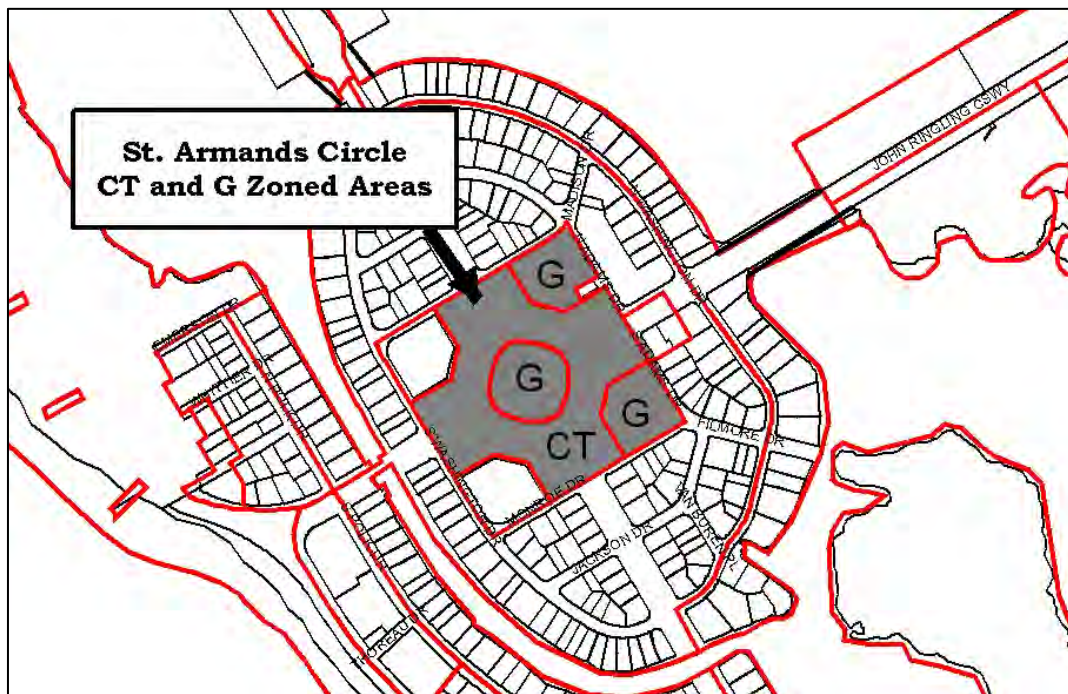
4.7 **Post-Disaster Redevelopment Plan:** Immediately following each major disaster, the City shall evaluate the Damage Assessment Team and Damage Survey Team reports (as required by the Peacetime Emergency Plan) and develop a specific post-disaster redevelopment plan in coordination with the Sarasota County Department of Emergency Management. The intent of the post-disaster redevelopment plan will be to repair damaged infrastructure needed for health and safety; to coordinate long term recovery operations to City infrastructure and public structures; and aid the City's economy to return to pre-disaster competitive status. The plan will include funding and staffing estimates, set priorities for post disaster efforts, and develop criteria for deciding the order of importance in which the elements of the City's economy are to be aided.

4.8 **Public Fund Expenditures in Coastal High Hazard Area:** Prior to locating new public facilities or public infrastructure in the coastal high hazard area (CHHA), alternative locations outside of the CHHA shall be explored and evaluated. The expenditure of public funds on infrastructure in the CHHA shall be limited to:

- New public facilities and public infrastructure which can not feasibly be located outside of the CHHA;
- Restoration, maintenance, enhancement, relocation, mitigation, or replacement of the following;
 - ◇ Natural resources;
 - ◇ Passive recreation facilities;
 - ◇ Facilities and uses which further the land uses on the Future Land Use Map;
 - ◇ Facilities necessary to ensure the health, safety, and welfare of the public or sustain the financial integrity of the City. Examples of such facilities include, but are

not limited to: Police stations, fire stations, medical facilities, bridges, roads, public rest rooms, performing arts centers, and auditoriums.

- 4.9 **Limitations on Rebuilding:** The City will define in the Land Development Regulations provisions that limit and/or prohibit the reconstruction of certain non-conforming structures or nonconforming portions of structures in the event that they are destroyed to an extent of more than seventy-five percent of their replacement value at the time of destruction.
- 4.10 **Minimizing the Risks of Natural Disasters:** The City will coordinate with Sarasota County in utilizing the Local Mitigation Strategy (LMS) for the purpose of minimizing the risks of natural disasters. The LMS includes an assessment of vulnerabilities to natural disasters and mitigate initiatives to minimize risks.
- 4.11 **Renourishment of the City's Beaches:** The City shall continue its program of periodic beach renourishment in order to protect upland property and to support the economic benefits of tourism. The City shall pursue grants and other funding sources to assist in the renourishment of the City's beaches for the protection of public and private property.
- 4.12 **Passive Recreation:** The City encourages that recreational activities on and adjacent to beaches minimize impacts to natural resources and the environment.
- 4.13 **Coastal Construction Control Line:** The City shall not issue permits for structures seaward of the Coastal Construction Control Line (CCCL) that do not have the appropriate permit(s) issued by the Florida Department of Environmental Protection unless the structure is exempt from the requirements of Chapter 62B-33, Florida Administrative Code.
- 4.14 **No Increase in Future Land Use Map or Zoning Density:** The City shall not approve amendments to the Future Land Use Map (LU-6), Zoning Atlas, or zoning text that increase residential density on the coastal islands as identified on Illustration EP-14. However, as an exception to this action strategy, the City may allow for an increase in residential density within the CT or G zoned sites located within the St. Armands Circle commercial shopping area for the purpose of creating residential liner buildings that screen non-residential uses from residential uses as determined through a master planning process. The CT and G zoned areas are delineated in the illustration below.



Objective 5 - Safe Evacuation and Adequate Shelter during Natural Disasters

The City shall continue to provide for safe evacuation and adequate shelter during natural disasters.

Action Strategies

5.1 **Evacuation:** The City shall coordinate with Sarasota County through the Peacetime Emergency Plan to:

- ensure orderly evacuation of coastal areas in the event of a natural disaster consistent with evacuation orders issued by the Office of Emergency Management;
- reduce evacuation times in conjunction with the Sarasota County comprehensive plan; and
- increase the amount of shelter space available;
- periodically review the city-wide Emergency Plan.

5.2 **Law Enforcement After Storm Events:** After passage of a storm event, the City's Police Department shall provide sufficient law enforcement patrols to safeguard property in evacuated locations.

Goal 3

It shall be the goal of the City of Sarasota to reduce greenhouse gas emissions by implementing more sustainable practices, including green building technologies.

Objective 6 - Sustainability

The City shall implement policies and programs that further sustainable development practices.

Action Strategies

- 6.1 **Kyoto Protocol:** The City will work toward achieving the Kyoto Protocol targets for reduction of greenhouse gas emissions. Actions pursued by the city shall include, but not be limited to, anti-sprawl land-use policies, urban forest restoration projects, public information campaigns, energy efficient building designs, recycling programs, and environmentally friendly procurement.
- 6.2 **Florida Green Local Government:** The City will pursue steps toward becoming a Florida Green Local Government using the Green Local Government Standard developed by the Florida Green Building Coalition, Inc.
- 6.3 **Sustainable Building:** To achieve more sustainable building practices, the City shall use sustainable building measures for new buildings and major renovation projects for City facilities as outlined in the U.S. Green Building Council's document "LEED-NC: Green Building Rating System for New Construction and Major Renovations."
- 6.4 **Reduction of Greenhouse Gas Emission:** The City encourages the State and Federal Governments to enact policies and programs for achieving the greenhouse gas emission reduction target suggested for the United States in the Kyoto Protocol – a 7% reduction from 1990 levels by 2012.
- 6.5 **Greenhouse Gas Legislation:** The City encourages the U.S. Congress to pass bipartisan greenhouse gas reduction legislation, which would establish a national emission trading system.
- 6.6 **LEED or FGBC Certified Development:** To encourage reduction of greenhouse gas emissions, the City shall develop and implement incentives for LEED or Florida Green Building Coalition, Inc. certified development proposals. Such incentives may include a formal expedited review process or a fee reduction schedule.

- 6.7 **Coordination with Sarasota County:** The City shall coordinate with the Sarasota County Sustainability Office to better realize and implement efficiencies and coordination in environmental legislation throughout Sarasota County.
- 6.8 **Water Conserving and Energy Efficient Appliances:** The City encourages the use of water conserving appliances and cisterns in order to reduce the per capita consumption of potable water and the increased use of energy efficient appliances to reduce energy consumption and the carbon footprint of the city.

ATTACHMENT 1

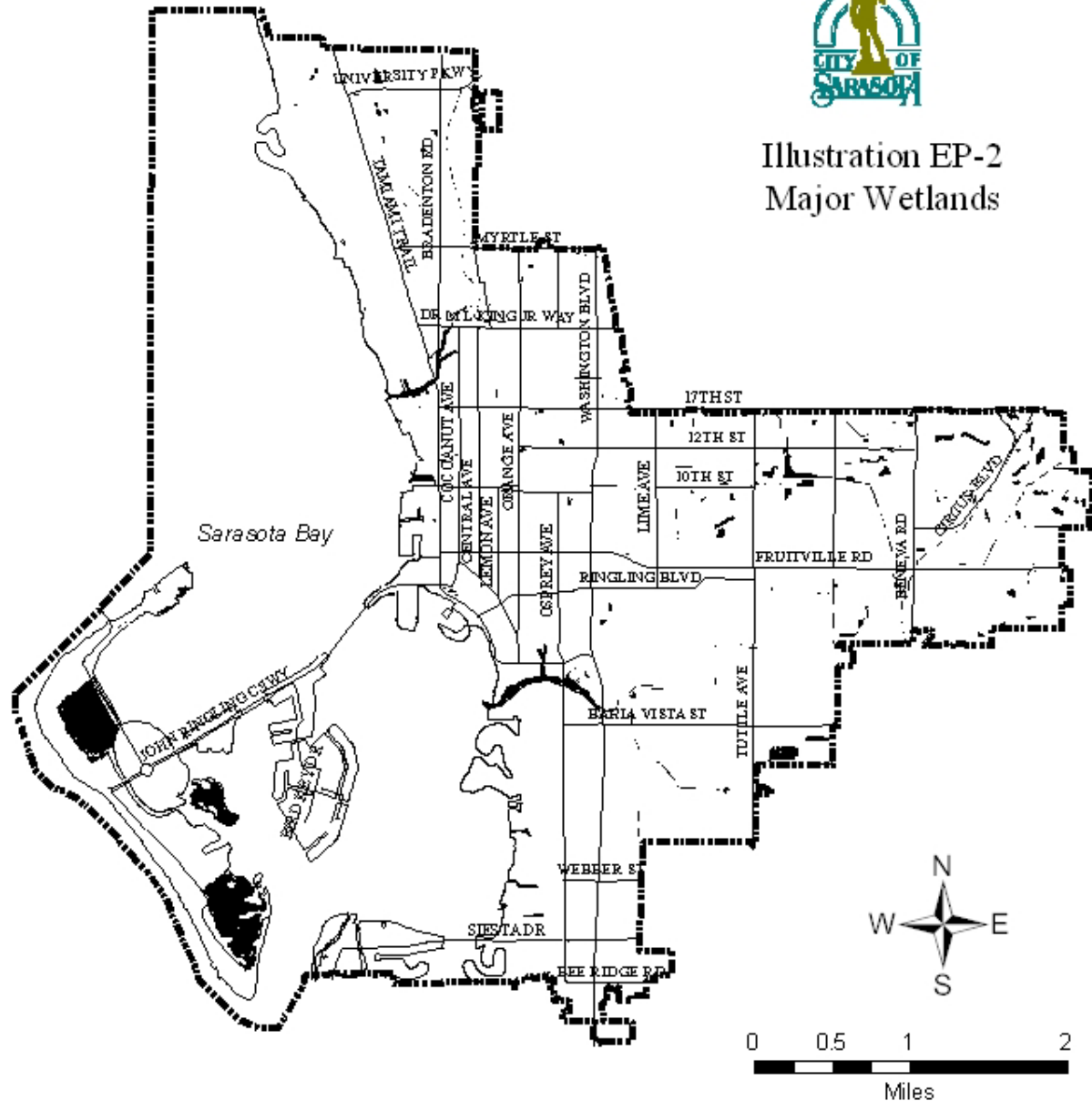
Environmental Protection and Coastal Islands Illustrations


The following Environmental Protection and Coastal Islands Illustrations, which may be consolidated or reformatted by resolution of the City Commission, are part of the Future Land Use Map Series:

- EP-2 Major Wetlands Map;
- EP-3 Soil Map;
- EP-4 Floodplains Map;
- EP-5 Natural Habitats and Systems Map;
- EP-6 Threatened and Endangered Species (table);
- EP-7 Important Seagrasses, Green Algae and Endangered Plants (table);
- EP-10 Shoreline Conditions;
- EP-11 Hurricane Storm Categories;
- EP-14 Coastal Islands Map;
- EP-15 Coastal Islands Maximum Building Height Overlay Map; and
- EP-16 Coastal Islands Maximum Impervious Surface Overlay Map.



Illustration EP-2 Major Wetlands

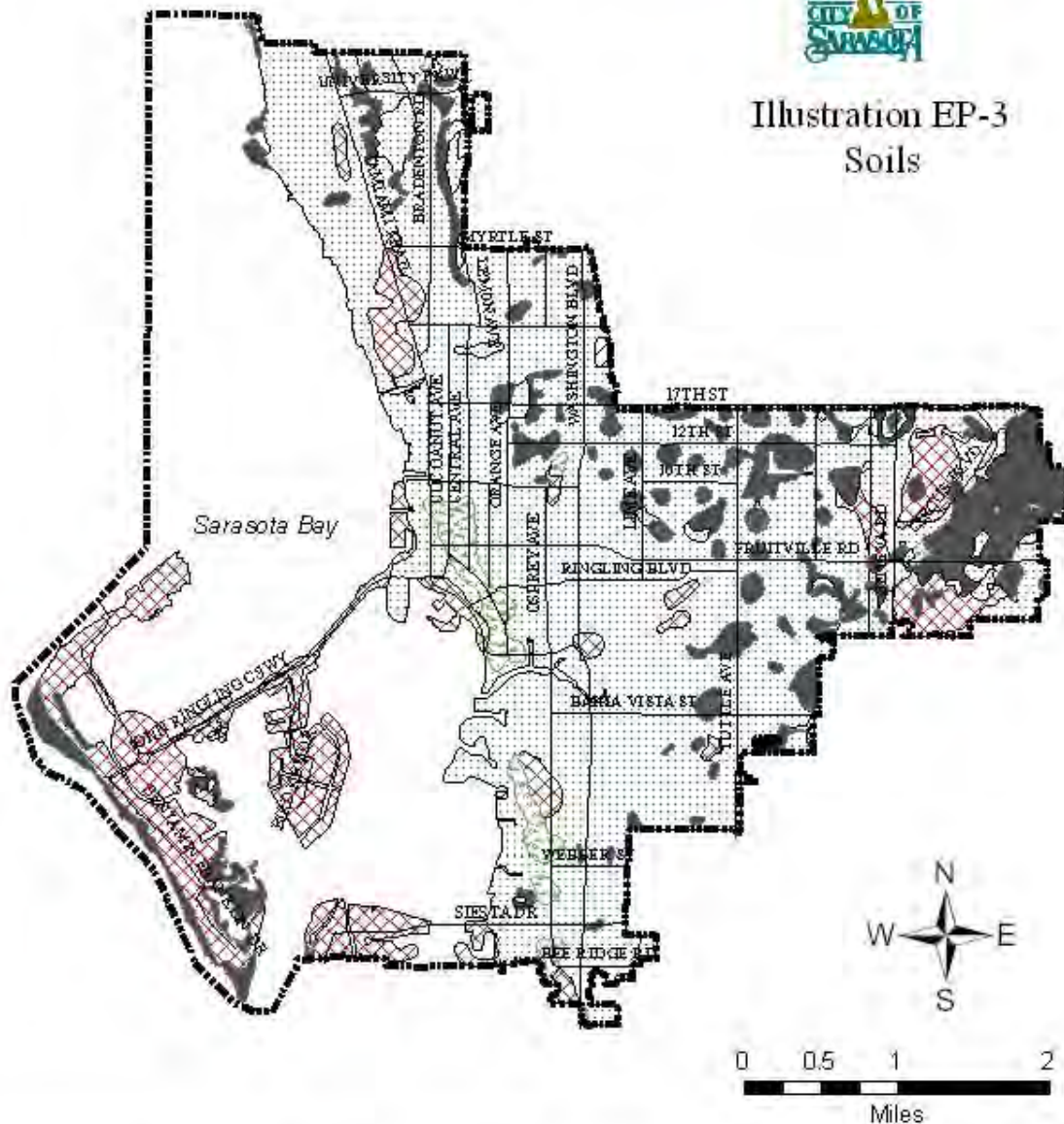


 Major Wetland Areas

Source: Sarasota County GIS Data, 2007



Illustration EP-3 Soils



Soil Hydrologic Classification Group

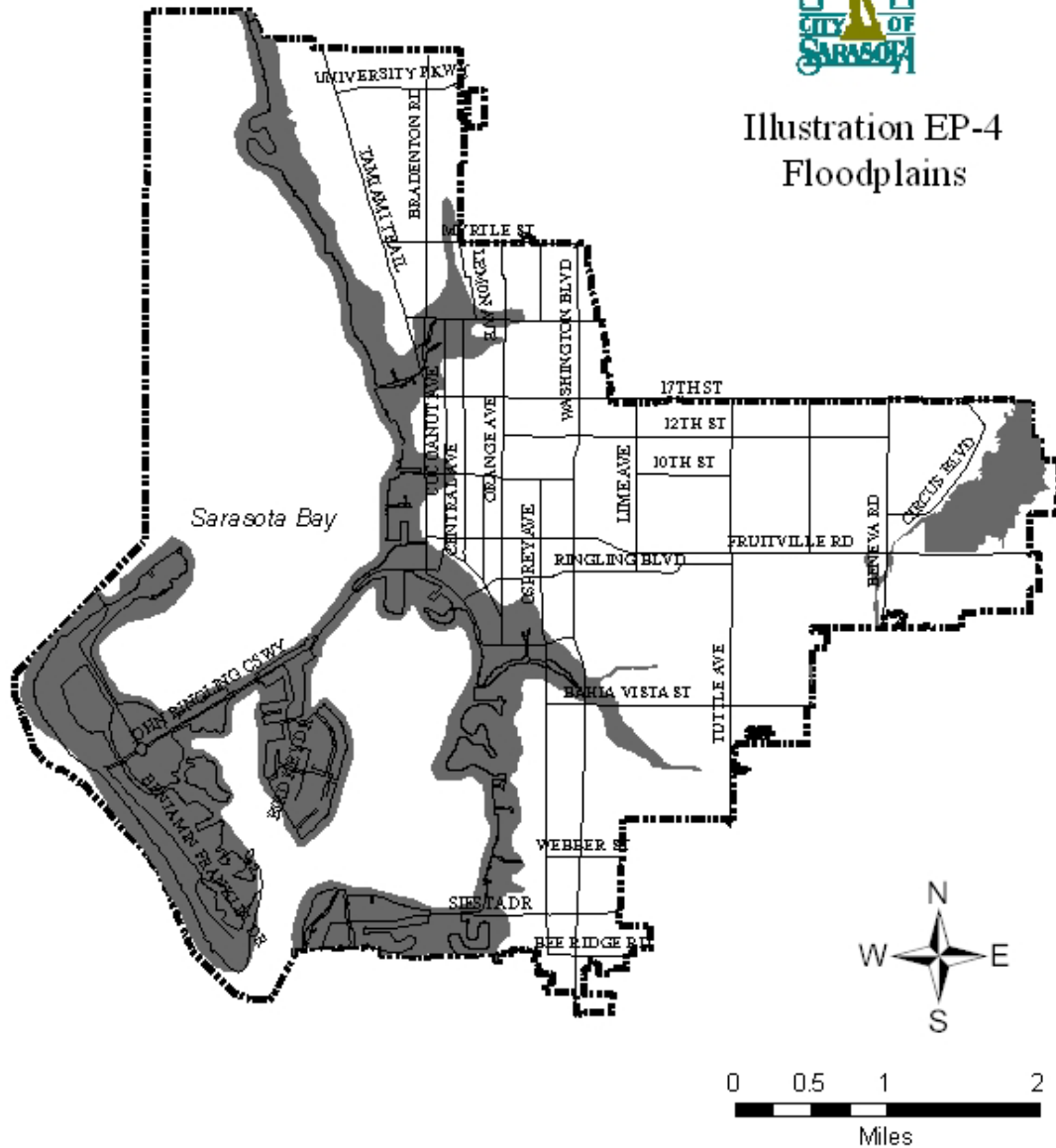


Note: See Soil Hydrologic Group descriptions on page EP-35


Source: Southwest Florida Water Management District data from the US Department of Agriculture, Natural Resource Conservation Service



Illustration EP-4 Floodplains



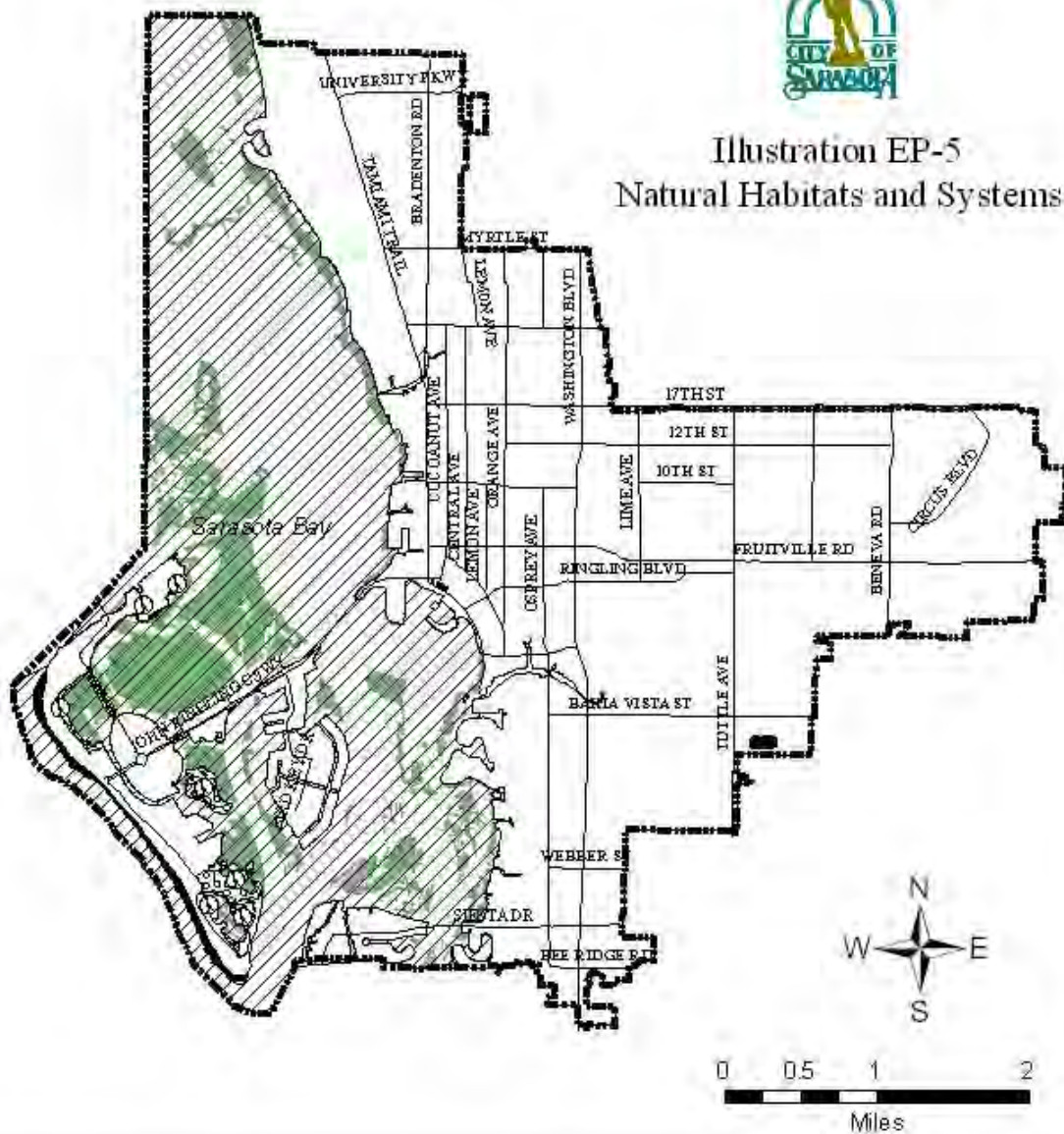
Floodplains

 A and V Zones

Source: Federal Emergency Management Agency
Flood Insurance Rate Maps, 1996



Illustration EP-5 Natural Habitats and Systems



- ⊙ Bird Habitats
- Sea Turtle Nesting Beach
- ▨ Mangroves
- ▨ Potential Manatee Siting Area
- Seagrass

Note: Detailed manatee sighting data is located in the Sarasota County Manatee Protection Plan.

Sources: City of Sarasota Planning and Redevelopment Department and Southwest Florida Water Management District.

Illustration EP-6. Threatened and Endangered Species

| Common Name | Scientific Name | USFWS Status | FGFWFC Status |
|----------------------------|----------------------------|-----------------|------------------|
| West Indian manatee | Trichechus manatus | E | E |
| Arctic peregrine falcon | Falco peregrinus tundrius | | E |
| Wood stork | Mycteria americana | E | E |
| American alligator | Alligator mississippiensis | TSA | SSC |
| Atlantic Loggerhead turtle | Caretta caretta | T | T |
| Eastern indigo snake | Drymarchon corais couperi | T | T |
| Piping plover | Charadrius melodus | T | T |
| Bachman's warbler | Vermivora bachmanii | E | E |
| Bald eagle | Haliaeetus leucocephalus | T | T |
| Florida scrub jay | Aphelocoma coerulescens | T | T |
| Green turtle | Chelonia mydas mydas | E | E |
| Atlantic ridley turtle | Lepidochelys kempi | E | E |
| Gopher Tortoise | Gopherus polyphemus | | SSC |

Notes:

USFWS = United States Fish and Wildlife Service

FGFWFC = Florida Game and Fresh Water Fish Commission

E = endangered

T = Threatened

TSA = Threatened due to similarity in appearance

SSC = Species of special concern

Source: Florida's Endangered Species, Threatened Species and Species of Special Concern, Official Lists. Published by the Bureau of Nongame Wildlife, Division of Wildlife, Florida Game and Fresh Water Fish Commission. April 1996.

Illustration EP-7. Important Seagrasses, Green Algae, and Endangered Plants

| | Scientific Name | Common Name |
|--------------------|------------------------------|---|
| Seagrasses: | <i>Thalassia testudinum</i> | turtle-grass |
| | <i>Syringodium filiforme</i> | manatee-grass |
| | <i>Ruppia maritima</i> | widgeon-grass |
| | <i>Halophila engelmannii</i> | star-grass |
| | <i>Halophila decipiens</i> | paddle-grass |
| | <i>Halophila wrightii</i> | shoal-grass |
| Green Algae: | <i>Caulerpa prolifera</i> | |
| | <i>Caulerpa ashmeadii</i> | |
| | <i>Caulerpa mexicana</i> | |
| | <i>Caulerpa racemosa</i> | |
| | <i>Caulerpa cupressoides</i> | |
| | <i>Halimeda opuntia</i> | |
| Endangered Plants: | <i>Suriana maritima</i> | bay cedar, thatch leaf; a beach shrub |
| | <i>Ernodea littoralis</i> | beachcreeper, common ernodea |
| | <i>Opuntia stricta</i> | shell mound prickly-pear, common prickly-pear |
| | <i>Scaevola plumieri</i> | inkberry |
| | | |

Source: Mote Marine Laboratory, 1997, which also referenced the following publications:

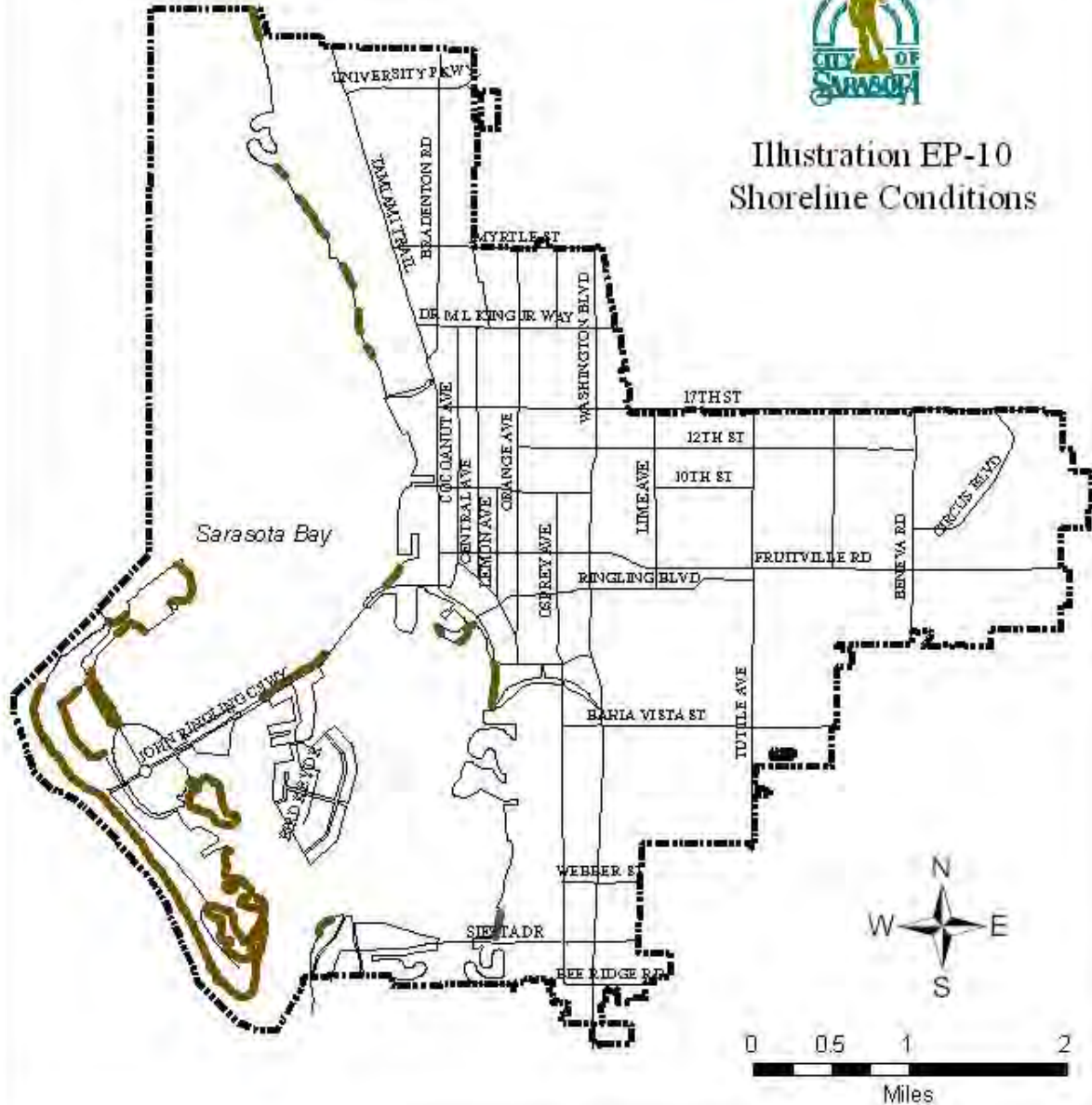
Rare and Endangered Biota of Florida, multiple volumes published by the University Press of Florida.

Florida's Endangered Species, Threatened Species and Species of Special Concern, Bureau of Nongame Wildlife, Division of Wildlife, Florida Game and Fresh Water Fish Commission (FGFWFC).

Notes on Florida's Endangered and Threatened Plants, Bureau of Entomology, Nematology and Plant Pathology-Botany Section, Contribution No. 39. Florida Department of Agriculture and Consumer Services.



Illustration EP-10 Shoreline Conditions



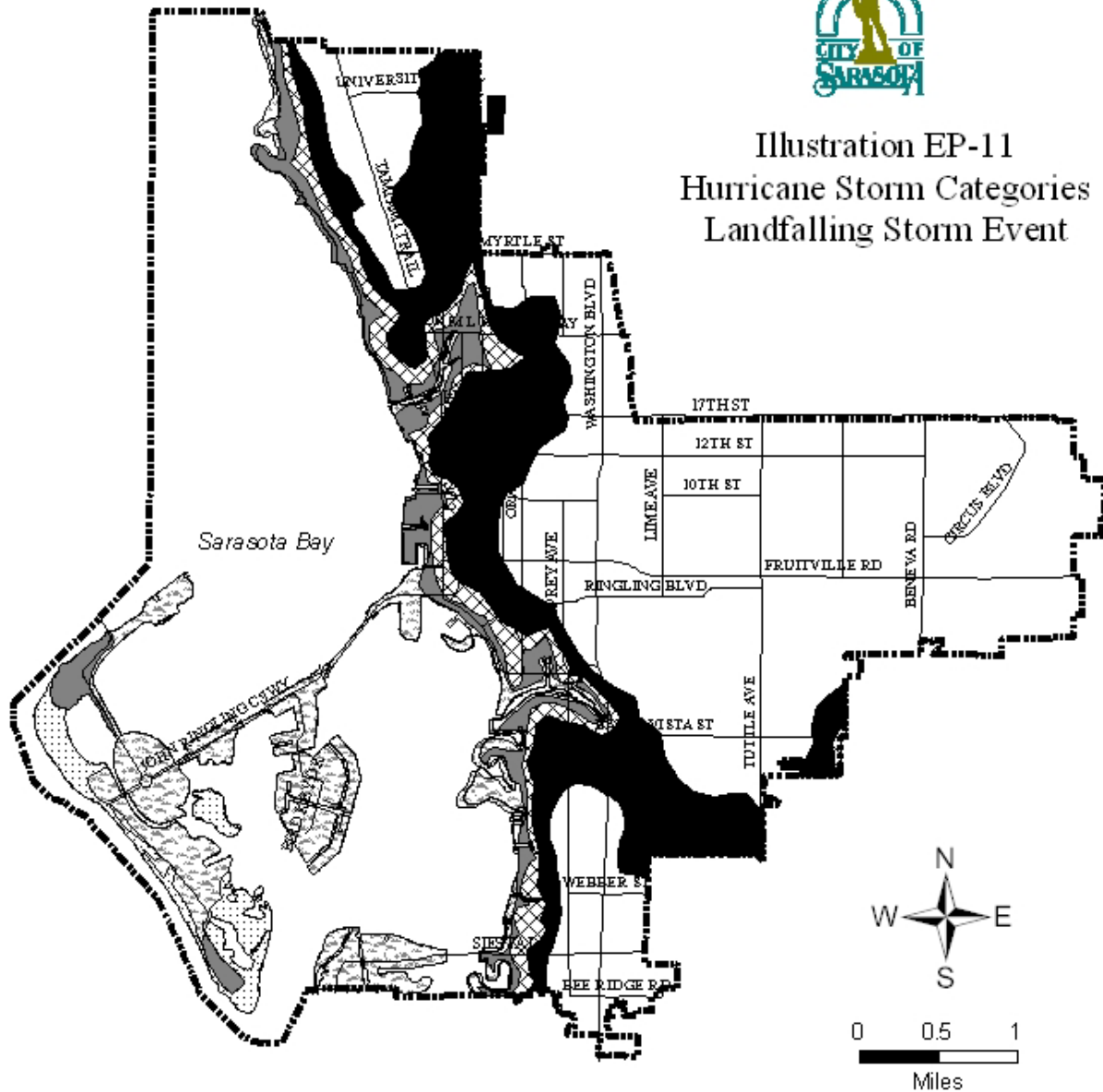
Shoreline Conditions

- Natural Shoreline
- Hardened Shoreline






Source: City of Sarasota Engineering Department, 2008.



Illustration EP-11 Hurricane Storm Categories Landfalling Storm Event



Storm Category

| | | | |
|---|----------------|---|--------------|
|  | Tropical Storm |  | Category 3 |
|  | Category 1 |  | Category 4/5 |
|  | Category 2 | | |

Coastal High Hazard Area (CHHA)
The Coastal High Hazard Area consists of the Tropical Storm and Category 1 Areas.

Source: Sarasota County GIS (2005) and Southwest Florida Regional Planning Council and (1991)

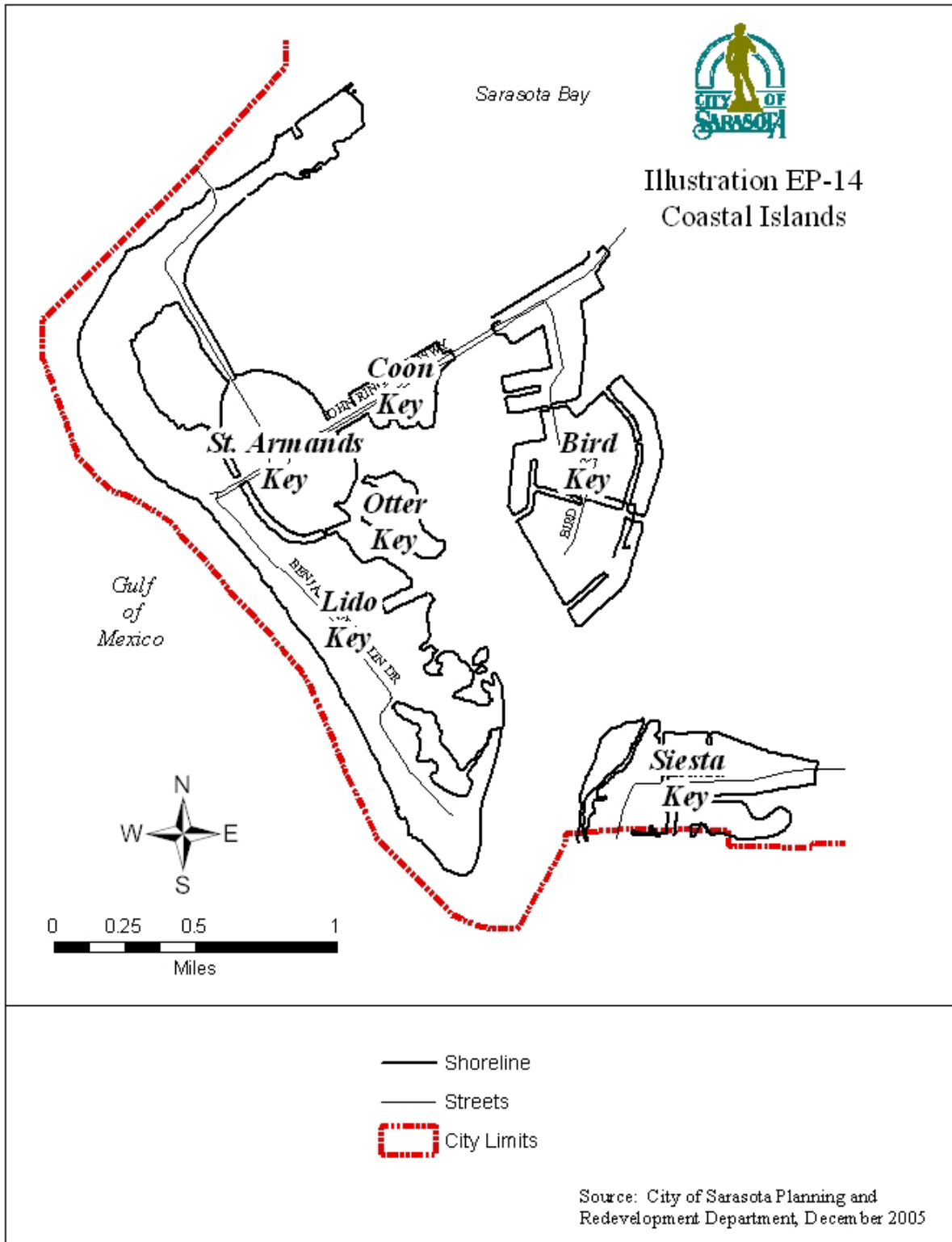
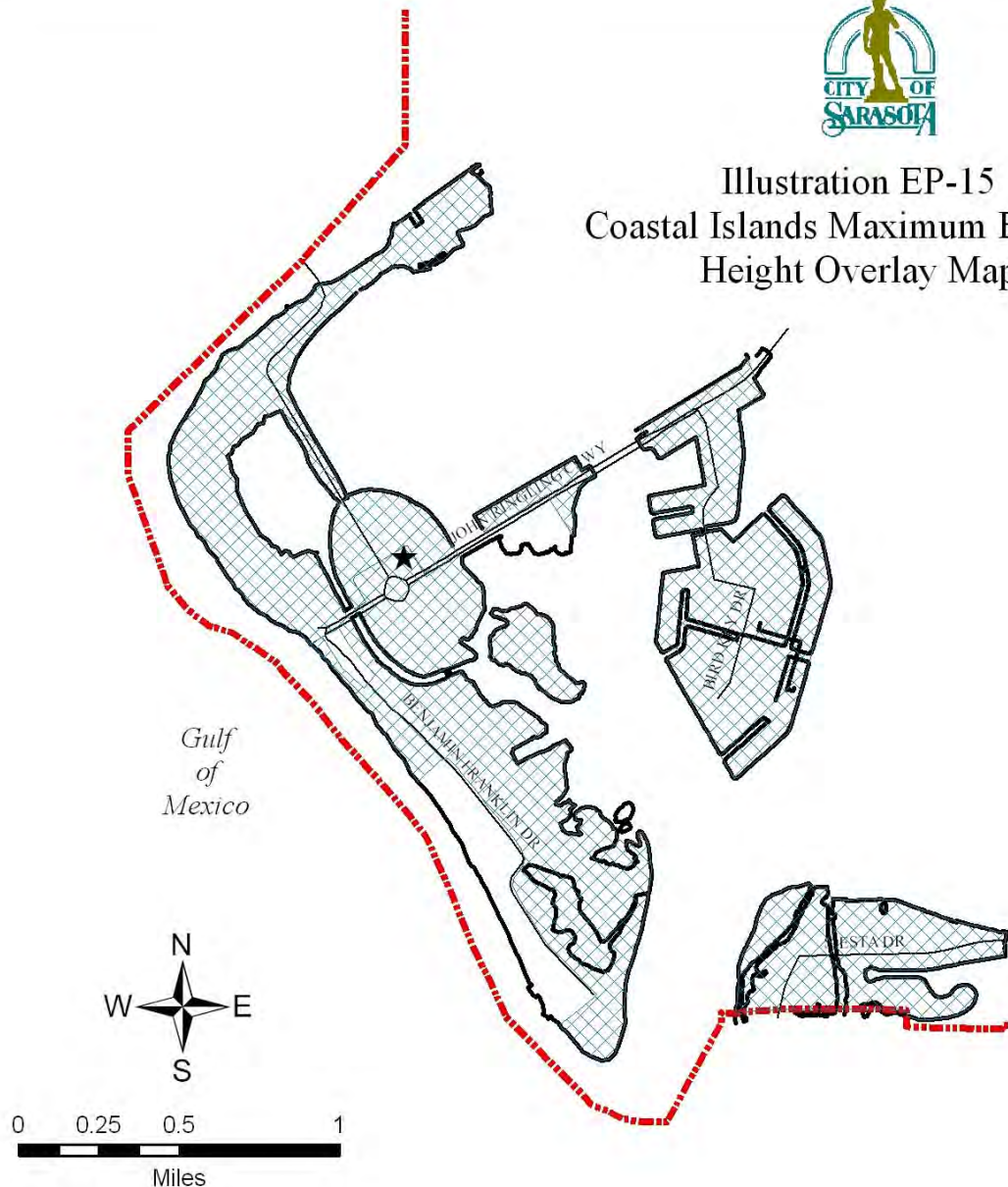








Illustration EP-15 Coastal Islands Maximum Building Height Overlay Map



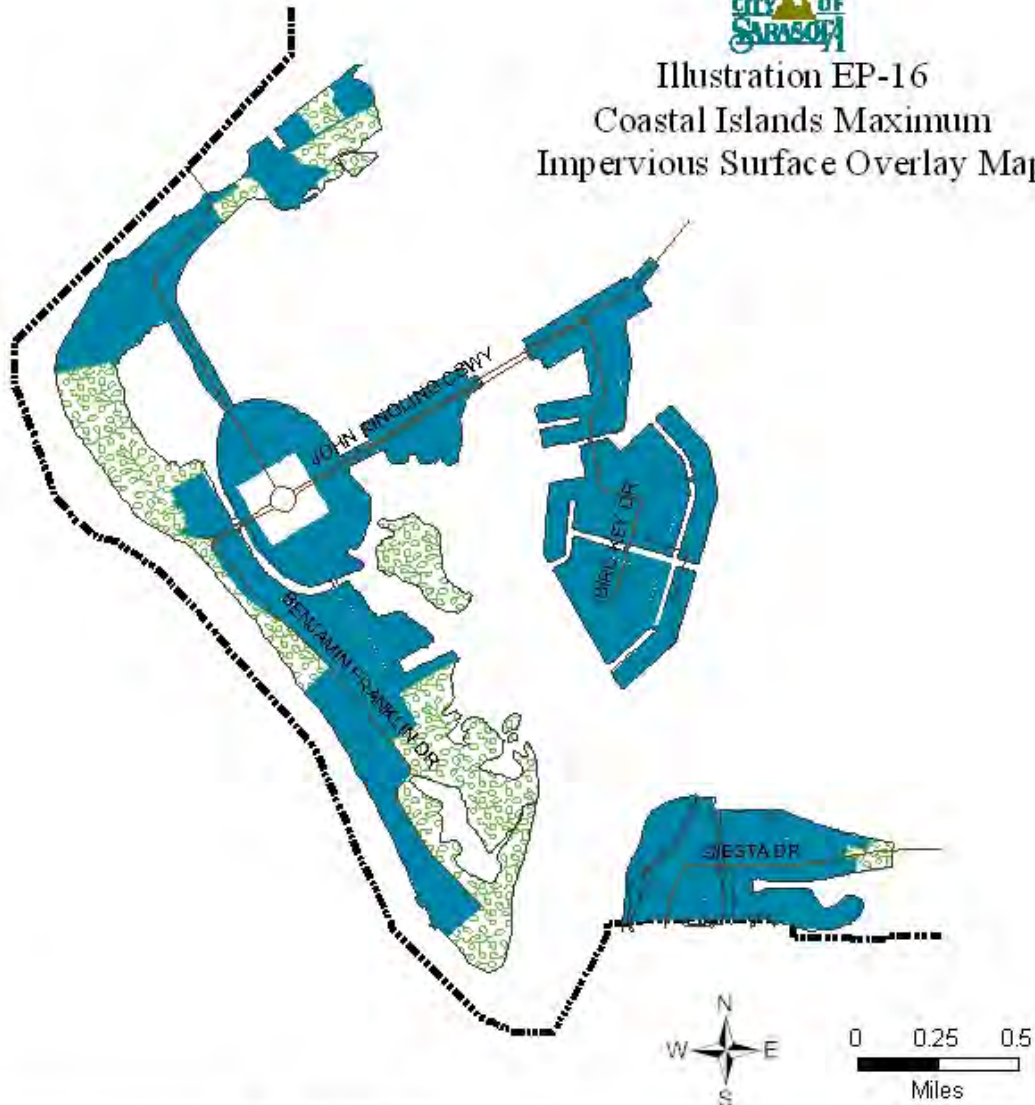
Area with Maximum Building Height Limitation

-  Area Limited to Maximum of 35 Feet in Height (as measured from the minimum FEMA elevation)
-  City-Owned Parcel (2014-05-0084) has a Maximum Height Limit of 40 Feet (as measured from the minimum FEMA elevation)
-  City Limits
-  Streets

Source: City of Sarasota Neighborhood and Development Services Department, December 2008



Illustration EP-16
Coastal Islands Maximum
Impervious Surface Overlay Map



Maximum Impervious Surface Area



Source: City of Sarasota Planning and
Redevelopment Department, February 2007



October 2, 2015

Mr. Ed McCrane,
Emergency Management Chief
Sarasota County, Florida
6050 Porter Way
Sarasota, Florida 34232

Dear Chief McCrane:

The Sarasota County School District values its partnership in the updated Unified Local Mitigation Strategy. Our goals and objectives associated with providing a safe learning environment for the community includes multi-jurisdictional, multi-hazard strategies to assess hazards, identify risks, determine vulnerabilities, establish mitigation activities, and plan for natural and manmade hazards.

Our policies and procedures reflect our commitment to current and future initiatives of the updated 2015 Local Mitigation Strategy.

Goal: Assess vulnerabilities and identify mitigation models for natural hazards relevant to Sarasota County.

The school district will continue to work closely with local and state emergency management officials, local first responders, and the local private sector to monitor and continually assess risks and vulnerabilities - incorporating best practice mitigation models in business continuity of operations planning and school based emergency planning.

Goal: Identify, prioritize, and achieve cost-effective mitigation projects for the prevention and protection of lives, property, and natural resources within Sarasota County.

The school district will continue to collaborate with local and state emergency management officials, other local government officials, and community developers on future site development and site upgrades ensuring school infrastructure provides cost-effective community resources.

Goal: Promote the continued participation in the National Flood Insurance Program and Community Rating System.

The school district will continue to collaborate with local officials on floodplain ordinances and regulations.

Goal: Maintain and develop effective "Public Outreach" activities.

The school district will continue to work closely with local emergency management officials to disseminate information as appropriate to the community.

Goal: Maintain and increase participation in the Sarasota County Local Mitigation Strategy Work Group.

The school district plans to continue its relationship as a participating jurisdiction in the multi-jurisdictional planning process.

Goal: Support mitigation activities and research projects with Sarasota County and the surrounding local, State of Florida and Federal jurisdictions.

The school district plans to continue working with governmental agencies in surrounding communities to assess risks and share mitigation activities.

Respectfully,

Darrell C. Reyka
Director, Safety and Security



October 2, 2015

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Emergency Management Chief
Sarasota County, Florida
6050 Porter Way
Sarasota, Florida 34232

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Respectfully,

Darrell C. Reyka
Director, Safety and Security



September 30, 2015

Sarasota County Emergency Management
6050 Porter Way, Suite 165
Sarasota, FL 34232

Chief McCrane,

Please accept this letter on behalf of the Sarasota County Public Hospital District, as our commitment to continue to support and participate in the Local Mitigation Strategy. I cite the following examples of how we currently embrace the LMS:

- All new project construction and renovation of current buildings take into account the community wide vulnerability analysis, and builds hurricane and storm protection features into all new buildings and renovation of current facilities throughout Sarasota County.
- SMH actively participates in the LMS meetings and planning sessions hosted by Sarasota County.
- Future mitigation strategies for specific hazards are always a component of our After Action Report/Improvement Plans following each drill or actual activation of our Emergency Response Plan.
- SMH has historically applied for and received LMS Grants for hurricane/storm hardening projects on existing facilities. SMH Public Safety/Emergency Management plans to continue application for mitigation grants to further enhance the storm readiness of our critical healthcare infrastructure.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Mickey Watson", written over a horizontal line.

Robert "Mickey" Watson, CHPA, CHP
Chief of Public Safety/Emergency Management
Sarasota County Hospital District
Sarasota, FL



Emergency Management Element

GOAL PROTECT THE PUBLIC AND THEIR PROPERTY FROM THE IMPACT OF A PUBLIC EMERGENCY OR NATURAL EVENT.

Objective 1 Emergency and Disaster Planning. Protect the community from the impact of emergency and disaster events through event planning and awareness.

- Policy 1.1 Timing of Facilities and Services. Ensure all existing public emergency services are maintained, improved, or expanded in coordination with the development of properties and capital improvements schedule.
- Policy 1.2 New Development Expansions. Require new development to pay its fair share for public safety, shelter, recovery and emergency service expansions related to additional equipment, personnel, and facility needs.
- Policy 1.3 Emergency Preparedness Plans. The City shall annually evaluate and update, as necessary, the Comprehensive Emergency Management Plan, Sarasota County Local Mitigation Strategy, Floodplain Management Plan, and National Flood Insurance Program (NFIP) Community Rating System (CRS).
- Policy 1.4 Development Planning Practices. The City shall continue to evaluate the potential impact of tropical events on its buildings and land areas and update its planning practices and report its findings. Areas to focus on include:
- A. State Coastal Planning Area.
 - B. Coastal Construction Control Line.
 - C. Gulf Front Setback Line.
 - D. Erosion Control Line.
 - E. Special Flood Hazard Areas.
 - F. Likely evacuation areas and ability of evacuation routes to serve demand.
 - G. Need for additional hurricane shelters.
- Policy 1.5 Emergency Responder Accessibility. Utilize the site and development process to ensure that new developments provide adequate accessibility for emergency vehicles by establishing:
- A. An interconnected road system.
 - B. Secondary emergency access points.



City of Venice Comprehensive Plan

- C. Access to water lines, fire hydrants, and other public safety infrastructure systems.

- Policy 1.6 Fire Facility Planning. The City shall continue to evaluate the relocation of fire station no. 2 in order to improve distribution of services throughout the community. Issues to be addressed include:
- A. Determination of the optimal location based upon LOS standards.
 - B. Funding through the capital improvements schedule.
 - C. Design and construction of facility based upon criteria established in the Public Facilities and Properties Element.
- Policy 1.7 Continuity of Operations Planning. Continue to develop, maintain, and implement a plan for the daily operations of the City in emergency or disaster event situations.
- Policy 1.8 NIMS and ICS Coordination. Utilize the National Incident Management System (NIMS) and Incident Command Systems (ICS) programs to prepare for emergency and disaster events.
- Policy 1.9 Public Awareness and Education. Maintain public education efforts regarding awareness and preparation for disaster and emergency events including: community awareness presentations, the annual hurricane workshop, City website, and newsletters. Education efforts should include information about:
- A. Distinction between hurricane categories and evacuation zones
 - B. Evacuation routes
 - C. Public and private shelter options
 - D Home preparedness planning
 - E. Flood insurance
- Policy 1.10 Community Hurricane Planning. Continue to pursue funding for the implementation of the hurricane mitigation projects listed in *Creating a Hurricane Tolerant Community*. Annually update the plan based on most current best management practices, community needs, and City goals.

Objective 2 Emergency Services and Post-Disaster Response. Provide an effective and efficient response to all public emergency and natural disaster events.

- Policy 2.1 Operation and Service Standards. By December 2011, establish operation and service standards that ensure the City has the emergency management resources it needs to respond to emergency events. Standards shall use the following criteria to evaluate needed resources:



City of Venice

Comprehensive Plan

- A. Response time.
- B. Distance from station to emergency event.
- C. Ability to access major roadways and community connectors.

- Policy 2.2 Staff Training and Procedure Planning. Prepare to respond to emergency situations and disasters through staff training and procedure planning. Staff should be trained according to their level of responsibility:
- A. Emergency Responders – lead role. Includes Police, Fire, and City Manager personnel.
 - B. Non-Essential Responder – support role. Includes NPOD volunteers and others, as assigned by City Manager.
- Policy 2.3 NPODS Coordination. Coordinate with Sarasota County on the use of the Neighborhood Points of Distribution System to ensure the public's basic needs are provided for after a disaster event.
- Policy 2.4 Evacuation Notification. Utilize the City's Code-Red system to notify the public about evacuation procedures.

Objective 3 Disaster Evacuation and Sheltering. Maintain or reduce evacuation times and increase shelter capacity in the local area.

- Policy 3.1 Second Option Shelters. Provide information about second option shelter alternatives through enhanced public education to allow those without special needs to remain within their neighborhoods.
- Policy 3.2 Neighborhood Shelters. Utilize the site and development process to encourage major developments to harden their community buildings for use as shelters for their residents.
- Policy 3.3 Shelter Building Standards. Utilize the site and development review process to ensure shelters meet and/or exceed approved shelter design standards including windows and structure strength.
- Policy 3.4 Pet Friendly Shelters. Coordinate with Sarasota County Emergency Management, Red Cross, and private developments to ensure that appropriate shelter space is available for pets.
- Policy 3.5 Shelter Coordination. Continue to coordinate with Sarasota County Emergency Management and Red Cross in the identification and operation of shelters within the Venice community. Ensure that there are appropriate shelter types for the various levels of storms and emergency



City of Venice

Comprehensive Plan

events from minor to severe.

- Policy 3.6 Shelter Co-location. Identify and expand opportunities to develop new shelter facilities as part of construction projects at schools, community agencies, and other local, regional, and state facilities.
- Policy 3.7 Community Organization Shelter Facilities. Coordinate with Sarasota County Emergency Management, the State of Florida, and the Federal Emergency Management Agency (FEMA) to identify funding for private community organizations to upgrade facilities to shelters.
- Policy 3.8 Evacuation Planning. Coordinate evacuation routes and timing with local, regional, and state partners. Ensure that residents have time and transportation resources to evacuate safely. Provide residents maps and other information needed.
- Policy 3.9 Family Response Planning. Educate the public about the need for developing a family evacuation/shelter plan including:
- A. Storm evacuation category.
 - B. Evacuation routes.
 - C. Shelter options.
 - D. Family/friends notification about evacuation plans.
 - E. Development of hurricane kit.
 - F. House preparation needs.

Objective 4 Disaster Management and Emergency Services Coordination. Coordinate emergency services and disaster management efforts with local, regional, state, and federal government agencies and private organizations.

- Policy 4.1 Emergency Management Coordination. Coordinate with Sarasota County, State of Florida, FEMA, Red Cross, and other emergency management partners on all aspects of emergency management preparedness, mitigation, and response.
- Policy 4.2 Emergency Planning and Response. Coordinate with local, state, and regional organizations including Sarasota County and the Southwest Florida Regional Planning Council on the assessment of storm surge impacts and evacuation planning.
- Policy 4.3 Emergency Event Regulations. Uphold all City of Venice, Sarasota County, State of Florida, and United States regulations that address issues related to emergency preparedness and planning.



City of Venice Comprehensive Plan

- Policy 4.4 Response Recovery Agreements. Continue to participate as a member in the Statewide Mutual Aid Agreement (SMAA) between the State of Florida and the City of Venice.
- Policy 4.5 Special Needs Coordination. Coordinate with Sarasota County on the identification of special needs individuals to assure that they receive transportation to a shelter in case of a disaster event.
- Policy 4.6 Red Cross Coordination. Continue to coordinate with the Red Cross on all public sheltering issues:
A. Location of shelters in community.
B. Construction of new public and private shelter space.
C. Operation of shelters during an emergency event.
D. Provision of pet friendly shelter space.
- Policy 4.7 Medical and Health Care Coordination. Coordinate emergency and health care medical needs of the community's residents with local hospitals, clinics, and other health care providers. Ensure that a variety of health care services are provided to meet Venice's multi-generational population.

LMS-Appendix L

2020



SARASOTA COUNTY UNIFIED PROGRAM FOR PUBLIC INFORMATION (PPI) ANNUAL EVALUATION REPORT



Unincorporated Sarasota County, the City of Sarasota, the Town of Longboat Key,
the City of North Port, the City of Venice

Prepared by the Sarasota County Unified PPI Committee

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MISSION STATEMENT

To promote public education and awareness of flood hazards, increase knowledge of flood risk, proper building techniques for floodplains, the importance of preserving floodplain functions, provide flood protection methods, promote flood insurance availability, and assist citizens with accurate flood zone maps and map updates, thus creating a safer community and a higher quality of life for all.

BACKGROUND

Sarasota County is located in southwest Florida with approximately 37 miles of open shoreline along the Gulf of Mexico. This area is prone to flooding caused by heavy rains or from storm surge that may be associated with tropical storms and hurricanes. The county contains more than 420 miles of tidally influenced rivers, streams, and canals. In addition, there are 43 named lakes covering 2,091 acres, and over 70 square miles of estuaries and bays that support diverse habitats for plants and animals.

Unincorporated Sarasota County and the cities of Sarasota, North Port, Venice, and the Town of Longboat Key make up Sarasota County. The Town of Longboat Key is uniquely located in both Sarasota and Manatee County. All are impacted by some form of flooding. All participate in the Community Rating System (CRS) and all make up this multi-jurisdictional Unified Program for Public Information (PPI). Collectively, there are numerous ongoing outreach efforts with goals to increase flood hazard awareness and to motivate actions to reduce flood damage, encourage flood insurance coverage, and to protect the natural functions of floodplains.

The PPI plan was developed over several years, finalized in December 2018 and formally adopted in January 2019. The benefits of a unified PPI plan include a more comprehensive outreach approach to provide communities and residents with clear, coordinated messages that are delivered in a cost-effective and consistent manner. This program helps coordinate community messaging to improve resource efficiency and message recognition. It's noted that flood-prone residents with better access to flooding information, such as their vulnerability to the flood risk and impacts, have a higher likelihood of being prepared to reduce their risk. The result is a well-informed public, a safer living environment and lower costs associated with flood loss.

PPI COMMITTEE

To reduce insurance cost to the residents in a more substantial manner and to reach more property owners through a more aggressive outreach program, Sarasota County along with the City of Sarasota, and The Town of Longboat Key formed the PPI committee in 2016. The City of Venice and the City of North Port joined in 2018 making all communities within Sarasota County participants in the PPI plan. The PPI committee also includes stakeholders such as the Sarasota Bay Estuary Program (SBEP), Mote Marine Institute, insurance agents, realtors, lenders, and contractors.

The PPI committee is tasked with evaluating the PPI plan each year to ensure the projects maintain their relevance and feasibility and to track progress and outcomes. An annual evaluation report is required to ensure the committee reviews and evaluates each of the projects and makes recommendations. The PPI committee met on December 11, 2019 to work through this evaluation process. The Sarasota County CRS Specialist is acting as the facilitator of this plan to track, implement, and manage the program.

Each year, the PPI committee considers the flood problems throughout the county and associated communities, evaluates who needs to be informed about flood related topics and how that information should be transmitted, and reviews the inventory of projects that are already underway. Formation of the committee and preparation of the PPI plan followed the steps outlined in the 2013 CRS Coordinators Manual, Section 330, Developing a Program for Public Information. The current updated committee members are shown in Figure 1 on the following page. The list includes their affiliations and their current position.

COMMITTEE MEMBERS

FIGURE 1: 2019 PPI Committee Members, Affiliations and Departments

| NAME | AFFILIATION | DEPARTMENT |
|----------------------|---|----------------------------|
| Donna Bailey | Sarasota County | Public Works |
| Ed McCrane | Sarasota County | Emergency Services |
| Steve Hardy | Sarasota County | Public Works |
| Robert Laura | Sarasota County | Public Works |
| James Linkogle | Town of Longboat Key | Public Works |
| Todd Kerkerling | City of Sarasota | Emergency Services |
| Cindy Cahill | City of Sarasota | Stormwater |
| Kathryn Harring | City of Venice | Stormwater |
| Elizabeth Wong | City of North Port | Stormwater |
| Katherine Howington | Sarasota County / Bankers Ins | Insurance Agency |
| Sherry Bitner | Sarasota County / RE Financial Services | Mortgage Broker |
| Darcy Young | Sarasota County / SBEP | Director Planning/Comm |
| Neil Fleet | Town of Longboat Key/AMI-Bay Isles | Property Mgmt |
| Don Hermey | City of Sarasota/Mote Marine | Env Health & Safety |
| Christina Pitchford | Sarasota County/RASM | Realtor |
| Carl Shoffstall | Sarasota County/CCNA | Coalition Chair |
| Dean McConville | City of North Port/State Farm Insurance | Insurance Agency |
| Mary Elizabeth Petty | City of Venice/AAA Insurance | Insurance Agency |
| Mark Hawkins | City of Venice/Hawks Nest Const | Contractor |
| Paul Semenec | Sarasota County | Additional Staff Resources |
| Des Companion | Sarasota County | Additional Staff Resources |
| Claire Aronson | Sarasota County | Additional Staff Resources |
| Thomas Sacharski | City of North Port | Alternate |
| Mary Foster | City of North Port/State Farm Ins | Alternate |
| Alan Fish | City of North Port/VBF Surveying | Alternate |
| Barbara Lockhart | City of North Port/Advisory Board | Alternate |
| Pete Travis | Sarasota County/Torrent Corp | Alternate |
| Jessica Williams | Sarasota County/We Are Floods Ins | Alternate |
| Sharon Gould | Sarasota County/Realtor | Alternate |
| Kathy Kelly Ohlrich | Sarasota County/CCNA | Alternate |
| Michael Dexter | Sarasota County / SBEP | Alternate |

THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP):

The CRS program is part of the NFIP and is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum requirements of the NFIP. Activities implemented through the CRS program provide credit scores, which are summarized through a regular audit process. Scores are formally accepted by FEMA and, when compared to prerequisites, are used to give a community their classification. The possible classifications range from Class 10 with the least credit points to Class 1 with the most credit points.

UNINCORPORATED SARASOTA COUNTY:

Sarasota County has participated in the CRS program since 1992. By implementing comprehensive floodplain management activities, Sarasota County has been rated as a Class 5 community since 2007. The result of this classification means NFIP insurance for Sarasota County property owners is discounted annually by 25% for high risk properties and 10% for medium to low risk policies, representing a savings of just over \$7 million dollars to residents of Sarasota County annually.

THE CITY OF SARASOTA:

The City of Sarasota has participated in the CRS (Community Rating System) program since 1992 to reduce flood insurance rates for the residents of the City. The City is rated a Class 6 community in the CRS program and that represents almost \$2 million dollars in savings to the City of Sarasota's jurisdiction NFIP (National Flood Insurance Policy) holders annually. This classification reduces NFIP flood insurance policies in special flood hazard areas (VE, AE, AH, A) by 20% and other (X500/X) hazard areas 10%. The City encourages everyone to have flood insurance, even in non-flood areas. Always remember: Flood water has no boundary!

THE TOWN OF LONGBOAT KEY:

The Town of Longboat Key has participated in the Regulatory phase of the National Flood Insurance program since July 30, 1971. The Town entered the CRS program in October 1991 and began receiving insurance discounts as a Class 9 Community, upgraded three times during the Town's history in the program to a current status of a Class 5 Community in May 2016. The Town will be retrograded to a Class 6 in May of 2020 due to FEMA and Insurance Service Office policy regulating the program, in regards, to Coastal Barrier Islands without rivers or streams. However, as a Class 6 Community, residents receive an average discount of \$208 per policy for an annual community savings of \$2, 056,792.

THE CITY OF NORTH PORT:

The City of North Port has participated in CRS since 1992 North Port is currently a Class 6 community as of September 1, 2018. A CRS Class 6 allows residents to be eligible for discounts on their flood insurance, 20% in high risk areas and 10% in low risk areas. This represents a current savings of \$62,922 to North Port residents every year. Through a rerating process, North Port will be improving from a CRS Class 6 to a CRS Class 5 effective May 1, 2020. A CRS Class 5 will allow residents to be eligible for discounts on their flood insurance, 25% in high risk areas and 10% in low risk areas. This will represent a savings of \$76,458 to North Port residents every year.

THE CITY OF VENICE:

The City of Venice has participated in CRS since 1991. Venice is currently a class 6 as of 2005. A 6 allows the residents to be eligible for discounts on their flood insurance, 20% in high risk areas and 10% in low risk areas. This represents a current savings of \$627,592 to Venice residents every year.

FEDERAL FLOOD INSURANCE ASSESSMENT REVIEW:

One of the goals of the Unified PPI is to increase flood insurance coverage across all jurisdictions. Flood insurance is a requirement for structures located in the SFHA. Although we have identified CFHA, structures located solely in the CFHA are not required to purchase flood insurance, but it is recommended. Federal flood insurance data is provided to communities annually. Private flood insurance data is not provided and is therefore not a part of our review or assessment.

As part of the annual evaluation, the PPI committee reviewed the 2019 Federal NFIP flood insurance data. This data will be compared to future annual NFIP policy data to gauge if completed projects had a positive effect on the flood insurance policy count.

During this annual evaluation of the PPI, the committee assessed the flood coverage for each of their communities. One readily available source of information on flood hazards is federal flood insurance data. The following two statistics from the National Flood Insurance Program (NFIP) ask the questions.

1. Where do people have flood insurance policies?
2. Where have flood insurance claims been paid?

The areas of concentrated claims have been found to have storm surge and stormwater drainage issues associated with coastal, low lying areas and Pre-FIRM structures throughout the county.

The following tables 1 - 3, display the Federal flood insurance data as of December 2019. Combined, there are currently 64,510 policies in force with 23,288 or 36% of those policies located in non-SFHAs.

Flood insurance is required as a condition of federally backed mortgages or loans for structures located in a high-risk A, AE, or VE zones. Therefore, one would expect most policies to be in the A, AE, and VE zones.

Federal aid is contingent upon a community being a member of the NFIP. With flood insurance, Federal aid to private individuals is available through low interest loans after a declared disaster. If a homeowner does not have flood insurance, then those loans may not be available to them.

Our next PPI evaluation report or update will have a comparison of policies from 2019 vs 2020 and will delve deeper into flood insurance data in our communities and how we can focus on areas where flood insurance may be deficient.

As noted earlier, flood insurance data is only available for Federal flood insurance. Private insurers do not share their data with communities so their data is not reflected in the following tables.

Table 1 provides an overview of the Federal flood insurance policy count by flood zone. Properties in Zone D, A/AE, AH, AO, V/VE are required to carry flood insurance if there is a federally backed mortgage on the property. Zone X properties are not required by law to have a flood insurance policy, but it is recommended. Group policy information is only noted where indicated.

TABLE 1. 2019 Policy Count and Coverage Amount (Rounded to nearest dollar)

| Zone | Community | Policies 2019 | \$ of Insurance In-Force Pre and Post | \$ of Closed Paid Losses Pre-FIRM | \$ of Closed Paid Losses Post-FIRM |
|-----------------------|------------------------|---------------|---------------------------------------|-----------------------------------|------------------------------------|
| A/AE/AO/AH | Sarasota County | 21,039 | 4,913,088,000 | 16,278,730 | 3,939,776 |
| | City of Sarasota | 6,192 | 1,490,722,600 | 3,318,072 | 165,207 |
| | *Town of Longboat Key | *9,598 | *2,211,093,900 | *4,825,015 | *261,348 |
| | City of North Port | 195 | 48,050,800 | 88,192 | 717,562 |
| | City of Venice | 3,045 | 555,609,600 | 1,455,453 | 15,778 |
| V/VE | Sarasota County | 642 | 110,722,300 | 2,137,250 | 121,673 |
| | City of Sarasota | 195 | 46,830,400 | 751,131 | 1,635 |
| | *Town of Longboat Key | *310 | *54,943,600 | *902,164 | *30,391 |
| | City of North Port | 0 | 0 | 0 | 0 |
| | City of Venice | 6 | 395,100 | 316,233 | 0 |
| D | Sarasota County | 23 | 4,759,500 | 405,490 | 77,032 |
| | City of Sarasota | 0 | 0 | 136,561 | 13,488 |
| | *Town of Longboat Key | *0 | *0 | *0 | *0 |
| | City of North Port | 0 | 0 | 0 | 0 |
| | City of Venice | 0 | 0 | 0 | 0 |
| X (Standard) | Sarasota County | 912 | 244,862,700 | 1,956,308 | 846,290 |
| | City of Sarasota | 332 | 89,105,700 | 761,640 | 201,366 |
| | *Town of Longboat Key | *0 | *0 | *0 | *0 |
| | City of North Port | 71 | 19,231,500 | 31,883 | 1,675 |
| | City of Venice | 576 | 120,593,200 | 193,761 | 11,213 |
| X (Preferred) | Sarasota County | 15,149 | 4,716,758,000 | 2,514,051 | 899,207 |
| | City of Sarasota | 1,377 | 431,268,000 | 1,644,016 | 85,185 |
| | *Town of Longboat Key | *0 | *0 | *0 | *0 |
| | City of North Port | 2,505 | 761,318,000 | 147,953 | 7,850 |
| | City of Venice | 2,323 | 727,700,000 | 278,288 | 34,598 |
| Group Policies | Sarasota County | 18 | 663,100 | 0 | 0 |
| | City of Sarasota | 2 | \$69,800 | 0 | 0 |
| Totals | All Communities | 64,510 | 16,547,785,800 | 38,142,191 | 7,431,274 |

*It is important to note the Town of Longboat Key lies both in Sarasota and Manatee County. The data received by the Town of Longboat Key is not broken down by county and as such will reflect the whole values.

The total losses from all flood zones on Post-FIRM structures is approximately 19% of the losses on Pre-FIRM structures. This illustrates the impact sound floodplain regulations have for construction and how these regulations not only save money on insurance claims but also create a safer community.

A comparison of the low-risk, X-Zone (Pre-FIRM and Post-FIRM) paid losses compared to other zone losses, shows approximately 20% of paid losses are in the lowest risk zone. This statistic compares with National statistics.

Table 2 provides the insurance data for the different types of structures located within each community in the county.

TABLE 2. 2019 NFIP Insured Structures Breakdown by Building Type (Reported 12/31/2019)

| Sarasota County & All Municipalities | | | | | |
|--------------------------------------|-------------------|------------|-----------------------|-------------------------|--------------------------|
| Unincorporated Sarasota County | Policies In-Force | \$ Premium | \$ Insurance In-Force | # of Closed Paid Losses | \$ of Closed Paid Losses |
| Single Family | 25,114 | 18,640,274 | 7,346,505,200 | 1,865 | 23,332,877.33 |
| 2-4 Family | 2,345 | 1,682,263 | 466,929,700 | 173 | 1,113,452.43 |
| All other Residential | 9,492 | 5,436,285 | 1,847,646,200 | 118 | 1,210,115.02 |
| Non-Residential | 832 | 28,089,177 | 9,990,853,600 | 126 | 1,782,212.31 |
| City of Sarasota | | | | | |
| Single Family | 2,746 | 3,684,419 | 822,298,500 | 415 | 5,257,940.78 |
| 2-4 Family | 224 | 182,970 | 41,930,900 | 27 | 115,780.33 |
| All other Residential | 4,771 | 2,299,2235 | 1,021,866,800 | 84 | 1,085,386.02 |
| Non-Residential | 357 | 1,412,956 | 171,880,300 | 57 | 470,571.98 |
| City of Venice | | | | | |
| Single Family | 2,523 | 1,375,983 | 772,390,300 | 87 | 1,123,434.02 |
| 2-4 Family | 348 | 268,834 | 58,728,500 | 30 | 510,970.40 |
| All other Residential | 2,893 | 1,480,556 | 492,440,000 | 82 | 501,509.63 |
| Non-Residential | 186 | 486,137 | 80,739,100 | 24 | 2,272,549.18 |
| City of North Port | | | | | |
| Single Family | 2,704 | 990,259 | 811,225,000 | 42 | 992,284.74 |
| 2-4 Family | 38 | 12,902 | 8,077,000 | 0 | 0 |
| All other Residential | 13 | 3,638 | 2,128,000 | 0 | 0 |
| Non-Residential | 16 | 28,272 | 7,170,300 | 0 | 0 |
| Town of Longboat Key | | | | | |
| Single Family | 1,712 | 2,594,958 | 476,755,200 | 565 | 4,655,342.68 |
| 2-4 Family | 784 | 717,423 | 155,019,200 | 61 | 392,374.39 |
| All other Residential | 7,231 | 3,784,754 | 1,571,875,300 | 116 | 677,003.15 |
| Non-Residential | 181 | 615,864 | 62,387,800 | 40 | 294,558.85 |

Approximately 64% of all (64,510) policies are within the moderate and high-risk SFHA and 36% are within the low-risk SFHA.

These statistics underscore two things:

1. The entire county is subject to flooding and the PPI should strive to reach all residents and businesses.
2. We should continue to review floodplain regulations for higher regulatory standards.

This PPI committee will strive to achieve 100% insurance coverage for all properties within the moderate and high-risk SFHA. Statistics show that many of the houses are pre-FIRM structures and insurance will help rebuild houses to current code when substantially damaged by flood events.

Table 3 below gives the final policy count (all policy types) county-wide. The next evaluation/update will give a comparison of 2019 vs 2020 data illustrating the number of policy changes within each municipality in the county.

TABLE 3. Policy Count

| Community | 2019 | 2020 | Count Difference | % |
|----------------------|--------|------|------------------|---|
| Sarasota County | 37,783 | | | |
| City of Sarasota | 8,098 | | | |
| Town of Longboat Key | 9,908 | | | |
| City of Venice | 5,950 | | | |
| City of North Port | 2,771 | | | |
| Grand Total | 64,510 | | | |

FLOOD MAP UPDATES:

Preliminary Flood Insurance Rate Maps (FIRMs) as part of the FEMA Risk Mapping, Assessment, and Planning (Risk MAP) program for Sarasota County were received December 2019. These preliminary FIRM updates include panels in coastal areas, as well as in the Phillippi Creek Watershed, Little Sarasota Bay Watershed, and the Lemon Bay Watershed. Based on these updated preliminary FIRMs, properties may move in and out of special flood hazard zones when the FIRM becomes effective. Our next Flood Insurance Assessment will reflect these map changes and will strive to determine what areas and targets we should focus on for future outreach projects or which current projects will include these areas.

Unincorporated Sarasota County has digitized, detailed flood studies not shown on the current FEMA flood maps. County staff determined these detailed flood studies using the criteria outlined by FEMA to establish the limits of the 1 % (percent) or Special Flood Hazard Area. These areas are included in our outreach efforts. Shown as the Community Flood Hazard Area (CFHA) on our online flood maps, they can be found at: <https://www.scgov.net/government/public-works/flood-maps>.

These flood studies were submitted to and accepted by FEMA in 2018 and 2019. They are incorporated into the preliminary FEMA RISK-Map received by all the communities within Sarasota County this last December 31, 2019. These preliminary maps are anticipated to become effective within the next 18-24 months.

PROJECTS REVIEW:

Through the process of developing the PPI, the committee developed projects aligned with the six required CRS topics, as well as three additional topics outlined as goals. It identified twenty (20) target audiences to whom the outreach messages should be delivered.

The following are the nine goals and key messages of the PPI. The first six goals are a requirement of the CRS program. Initiating the PPI program allows us to implement additional goals which are shown as seven through nine.

1. Increase flood hazard awareness
 - Discover flood risks in your area
2. Encourage flood insurance coverage
 - Purchase flood insurance for your home or business
 - Purchase renters flood insurance
3. Protect people from flood hazards
 - Turn around don't drown
 - Stay connected by signing up for the County's CodeRED system
 - Make a plan for emergencies, be prepared
4. Protect property
 - Keep debris out of driveway culverts and ditches and maintain your drainage swales (Only rain down the drain!)
5. Build responsibly
 - Obtain required permits before starting any home repair, improvement or construction
 - Be aware of substantial improvements rule.
6. Protect the natural functions of floodplains
 - Use low impact development (LID) such as rain barrels, bioretention systems, green roofs, pervious materials, and non-invasive vegetation on your property.
7. Encourage hurricane preparations
 - Make a plan and know your evacuation level
8. Educate people about flood economics
 - Build with the future in mind
9. Inform people about how sea level rise will affect our community
 - Reduce your exposure to the effects of sea level rise

Key Sheet – Target Audiences:

| Audience | | Description |
|----------|--|--|
| A | Residents and businesses in Repetitive Loss Areas | This audience should understand their surroundings and the likelihood of floods. Insurance is strongly recommended. |
| B | Residents and businesses in the Special Flood Hazard Area | This audience should become aware of their high risk. Insurance is strongly recommended and often required (with a mortgage). |
| C | Residents and businesses in flood-prone areas | This audience should become aware of their high risk and insurance is strongly recommended. |
| D | Residents and businesses in the storm surge area | This audience should become aware of their high risk and insurance is strongly recommended. |
| E | Residents and businesses in moderate- to low-risk flood areas (Shaded X zones) | This audience should understand that although they are not in high risk areas, there is still a potential to flood, and insurance is recommended. These areas submit over 20 percent of NFIP claims and receive one-third of disaster assistance for flooding. |
| F | Community Association Institute (SWFL Chapter) | Membership includes condominium, cooperative and homeowner associations. The association can disseminate flood hazard information to their members. |
| G | Homeowners associations | Associations can education their constituents about flood risk, building properly and insurance. |
| H | Mobile homes associations | Associations can education their constituents about flood risk, building properly and insurance. |
| I | Condo Owners associations | Associations can education their constituents about flood risk, building properly and insurance. |
| J | Real estate professionals | These professionals are in contact with clients that are purchasing or renting properties. They will benefit from flood-related outreach and may relay information to their clients. |
| K | Real estate buyers | Individuals purchasing or renting property should be made aware of their flood risk and insurance options. |
| L | Insurance agents | These professionals are in contact with clients that are purchasing or renting properties. They will benefit from flood-related outreach and may relay information to their clients. |
| M | Lenders | These professionals are in contact with clients that are purchasing or renting properties. They will benefit from flood-related outreach and may relay information to their clients. |
| N | Mortgage Brokers | These professionals have direct contact with homebuyers. |
| O | Speakers of other languages | Informational material should be made available in languages other than English. |
| P | Building contractors and developers | This audience should be kept apprised of floodplain regulations and available county services. They are also in the position to communication information about building with flood risk in mind to their clients. |
| Q | Architects and/or designers, engineers | Professions responsible for design of homes should be aware of flood risks and insurance requirements. |
| R | Surveyors | Surveyors need to provide updated information for elevation certificates. |
| S | County leaders and/or commissioners; Barrier island elected officials | Leaders that can champion the outreach efforts and may have direct input for funding projects. |
| T | Youths in grades K-8 | This sector provides educational opportunities about flood risks. |

Key Sheet – Messages and Outcomes:

| Topic | | Message | | Outcome | |
|-------|---|---------|---|---------|--|
| 1 | Know your flood hazard | A1 | Find out your flood risk. | a1 | Better prepared and informed resident and businesses |
| 2 | Insure your property for your flood hazard | B1 | Purchase flood insurance for your home, business or rental. | b1 | Increased number of flood insurance policies. |
| 3 | Protect people from the flood hazard | C1 | Turn around, don't drown. | c1 | Saves lives |
| | | C2 | Stay connected. Subscribe to County services and social media to receive alerts. Stay tuned to local news channels and radio stations. | | |
| 4 | Protect your property from the flood hazard | D1 | Keep debris out of driveway culverts and ditches and maintain your drainage swales (Only rain down the drain). | d1 | Reduced localized flooding. |
| | | D2 | Elevate your equipment/utilities | d2 | Reduced loss of property and flood insurance claims. |
| 5 | Build responsibly | E1 | Obtain required permits before starting any home repair, improvement or construction. | e1 | Increased compliance and reduced flood loss. |
| | | E2 | Be aware of substantial improvement rule. | | |
| 6 | Protect natural floodplain functions | F1 | Keep our waters clean. | f1 | Improvement in water quality and natural storage capacity. |
| | | F2 | Use Low Impact Development (LID) such as rain barrels, bioretention systems, green roofs, pervious materials, and non-invasive vegetation on your property. | | |
| | | F3 | Build with conservation in mind; incorporate natural systems into designs. | | |
| 7 | Hurricane preparedness | G1 | Know your evacuation level. | g1 | More residents evacuating when necessary. |
| | | G2 | Have a plan. | g2 | Minimized damage and injury. |
| | | G3 | Storm surge can occur without hurricane force winds. | | |
| 8 | Flood economics | H1 | Floods can be costly to individuals, families and communities. | h1 | Improvement in building standards. |
| | | H2 | Build with the future in mind. | h2 | Reduced loss of property. |
| | | H3 | Insurance rates are not static. | h3 | Reduced number of claims. |
| 9 | Sea level rise | I1 | Plan for sea level rise | i1 | Increased awareness and planning. |
| | | | | i2 | Reduced impact to life, property, health and safety. |
| | | | | i3 | Reduced impact to economy. |

ADDITIONAL PROJECTS INFORMATION:

The committee recommends continuing the outreach projects as well as adding the following new project(s):

Floody the Frog Children's Outreach Initiative with the current activities:

- Environmental Stewardship Team (NEST) Annual Calendar Coloring Contest. This year's (2020) theme was flooding and water quality.
- Three outreach posters on flood safety and protection were developed to target children with messages about flood safety. These posters have been distributed to elementary school libraries and public libraries.
- A mascot costume was purchased for Floody the Frog and the mascot attends various events throughout the county.
- An interactive webpage is currently being developed for children. This webpage will be located on scgov.net and mirrored on the Water Atlas website as well. We expect the website to be 'live' by March 2020.

This project continues to be developed.

OUTREACH PROJECTS:

No outreach projects were discontinued because they were determined to be ineffective or not feasible to implement.

The PPI Committee will continue to implement and refine the PPI so that flood insurance is seen as a necessity and the efforts put forth by the committee will help keep it affordable.

APPENDIX A: Project List and Recommendations

The current project list was reviewed by the PPI Committee and the recommendations and/or changes for 2020 are noted in red.

APPENDIX B: Committee Meetings

Quarterly meetings summary and attendees.

This evaluation report was submitted to the Sarasota County BCC on _____, 2020.

APPENDIX A

2019

PROJECT LIST

REVIEW

AND

RECOMMENDATIONS

| Project Number | Project Description | Audiences | Messages | Anticipated Outcomes | Jurisdictions | Distribution | Stakeholders | Related CRS Activities | Recommendations (changes in red) |
|----------------|--|-----------|--|--|-----------------|---|--------------|-------------------------|--|
| 1 | Flood Protection Website – Water-Atlas | All | All | All | Sarasota County | Online | N/A | 310, 320, 330, 340, 350 | Created, continue updating content when needed. |
| 2 | Flood Protection Social Media | All | | | All | Social Media Blasts, 4 X year | N/A | 330 | Continue social media blasts. Recommend increasing to 6 X year. |
| 3 | Flood flyer | All | A1, B1, C1, C2, D1, D2, E1, E2, F1, G1, G2 | a1, b1, c1, d1, d2, e1, f1, g1, g2 | All | Advertise in phone book, once/year | N/A | 540 | Continue to advertise annually. |
| | | | | | | Publish in Herald Tribune, once/year | | | Continue to advertise annually. |
| | | | | | | Send to Municipalities, once/year | N/A | | Continue to send updated flyers when appropriate. |
| 4 | Flood Information Workshops | All | | | All | Public workshops, 10 times/year. Increased to 30+ per year. | N/A | 330 | Recommend keeping 30+ per year. We added Grant Workshops to the schedule. Continue to schedule workshops. |
| 5 | Online Flood Zone Locator Application | All | | | All | Online | N/A | 320, 350 | Continue to keep online and add updates when needed. |
| 6 | Flood Response Preparation Media release messages | All | A1, B1, C1, C2, D1, D2, G1, G2, J1, J2 | a1, b1, c1, d1, d2, g1, g2, j1, j2, j3 | All | TV and Radio, once/year | N/A | 332.b | We continue to have media release messages for FRP tied to Hurricane Season. |
| 7 | Flood Response Preparation Access Sarasota TV Crawls | | | | | TV, 4 X year | N/A | 330, 600 | We continue to have TV crawls for FRP tied to Hurricane Season. |
| 8 | Flood Response Preparation Social Media | | | | | Social Media Blasts, once/year | N/A | 330, 600 | We continue to have social media blasts for FRP tied to Hurricane Season. |

| Project Number | Project Description | Audiences | Messages | Anticipated Outcomes | Jurisdictions | Distribution | Stakeholders | Related CRS Activities | Recommendations (changes in red) |
|----------------|--|-----------|--|--|-------------------------|-------------------------------|---------------------------|------------------------|---|
| 9 | Add flood risk information to property appraiser records | All | A2 | a2 | All | Online | Property Appraiser | 330, 442 | Added in 2018. We continue to update flood data to property records. |
| 10 | Newsletter from elected officials | All | All | All | LBK, Venice, North Port | Newsletter, once/year | Elected officials | | Discuss feasibility to implement this project community-wide in 2021. |
| 11 | Property Protection Advice | All | D1, D2, E1, E2 | d1, d2, e1 | Sarasota County | Flyer, once/year | | 360 | We continue to advertise staff visits available to citizens for flood mitigation options. |
| 12 | Parks flyers | Targeted | F1, F2 | f1 | LBK, North Port | flyer, 4 times/year | | | Discuss feasibility to implement this project county-wide in 2021. |
| 13 | Repetitive Loss Areas Letter | Targeted | A1, B1, C1, C2, D1, D2, E1, E2, G1, G2, H1, H2, J1, J2, J3, J4 | a1, b1, c1, d1, d2, e1, g1, g2, h1, h2, h3, j1, j2, j3 | All | Mailout, once/year | | 330, 512 | We continue to send notification letters to our RL areas promoting methods of mitigation. |
| 14 | CCNA presentation given by EOC | Targeted | All | All | Sarasota County | Presentation, once/year | | 330 | Continue to give annually. |
| 15 | Neighborhood Environmental Stewardship Team Presentation | Targeted | All | All | Sarasota County | Presentation, once/year | | 330 | Continue to give annually. |
| 16 | Educate real estate agents about flood zones and resources available at the County | Targeted | A1, B1 | a1, b1 | Sarasota County | Newsletter, once/year | Real Estate Professionals | 330 | We continue to reach out to Real Estate Agents through Newsletters sent through email. |
| 17 | RASM on the Road | Targeted | A1, B2 | a1, b2 | Sarasota County | Community Meetings, once/year | Real Estate Professionals | 330 | We will continue to give a presentation to RASM annually. |

| Project Number | Project Description | Audiences | Messages | Anticipated Outcomes | Jurisdictions | Distribution | Stakeholders | Related CRS Activities | Recommendations (changes in red) |
|----------------|--|-----------|--|------------------------|-------------------------|------------------------|---|------------------------|--|
| 18 | Educate real estate agents about appropriate types/levels of insurance | Targeted | A1, B2, H1, H2, H3 | a1, b2, h1, h2, h3 | Sarasota County | Annual Workshop | Insurance Professionals | 330 | We will schedule the first workshop later this year. |
| 19 | Flood Disclosure and Information Brochure | All | A1, B1, F1, F2, G1, G2 | a1, b1, f1, g1, g2 | Venice, North Port | Brochure, 4 times/year | Real Estate Professionals; Insurance Professionals; Lenders | 340 | Recommend developing this brochure community-wide by 2021-2022. |
| 20 | Training for Online Map Services | All | A1, B1 | a1, b1 | Sarasota County | Annual Workshop | Real Estate Professionals; Insurance Professionals | 330, 350 | This is included in our regular workshops. Recommend creating a workshop dedicated to just training for the online map |
| 21 | Flood Brochure and information for savings in flood insurance | All | A1, D2, E1, E2, F1, F2, F3, H1, H2, H3 | d2, e1, f1, h1, h2, h3 | LBK, Venice, North Port | Newsletter, once/year | Insurance Professionals | 370 | Recommend implementing this project community-wide by 2021-2022. |
| 22 | Encourage elevation certificates | Targeted | A1, D2, E1, E2, F1, F2 | a1, d2, e1, f1 | All | Newsletter, once/year | | 330 | We give recommendations through our phone logs. |
| 23 | Flood Insurance Improvement Plan | All | B1 | b1 | All | Mailout, once/year | Insurance Professionals | 370 | Recommend the committee implement an insurance plan by late 2021. |
| 24 | Flood Insurance Promotion | All | B1 | b1 | All | Mailout, once/year | Insurance Professionals | 330,370 | Sent with our annual RL notification letters. |
| 25 | Educate elected officials about flood topics | Targeted | All | All | LBK, Venice, North Port | Annual Workshop | | 330 | Recommend implementing this project community-wide by 2021. |
| 26 | Host FFMA Elevation Certificate Workshops | Targeted | D2, E1 | d2, e1 | Sarasota County | Annual Workshop | | 330 | Scheduled for October 2020. |

| Project Number | Project Description | Audiences | Messages | Anticipated Outcomes | Jurisdictions | Distribution | Stakeholders | Related CRS Activities | Recommendations |
|----------------|---|-----------|------------|----------------------|-----------------|--|-------------------|------------------------|---|
| 27 | Floody The Frog, Flood Mascot - Children's Initiative | Targeted | A1, C1, G2 | c1, g2 | All | Local Libraries, Elementary School Libraries | Teachers, parents | 330 | We continue to promote Floody the Frog and flood protection for children. |
| 28 | Flood Zone Determination Letter | Targeted | | | Sarasota County | Individually, via email or postal | | 330, 340 | We continue to provide this service to citizens on request. |

APPENDIX B

2019

UNIFIED PPI

COMMITTEE MEETINGS

1ST Meeting – February 20, 2019

The Facilitator called the meeting to order. Introductions were given of participants (old and new), and we reviewed the purpose of the meeting. The City of North Port and the City of Venice joined us as permanent members. We discussed PPI Report Local Adoption requirements; Filling out blank Project Sheets using the key code; Upcoming outreach initiatives; Vote on quarterly meeting dates for the remainder of the year.

Committee Members in attendance:

| MEMBER | REPRESENTING |
|--|----------------------|
| Donna Bailey, CRS Specialist and Meeting Facilitator | Sarasota County |
| Ed McCrane, Manager Emergency Services | Sarasota County |
| James Linkogle, Public Works | Town of Longboat Key |
| Todd Kerkerling, Emergency Services | City of Sarasota |
| Kathryn Harring, Stormwater | City of Venice |
| Elizabeth Wong, PE, Stormwater | City of North Port |
| Sherry Bitner, RE Financial Services | Sarasota County |
| Darcy Young, Manager, Sarasota Bay Estuary Program | Sarasota County |
| Don Hermey, Maintenance, Mote Marine | City of Sarasota |
| Khansith Bouphe, Jones Edmunds Associates | Sarasota County |
| Mary Foster, State Farm Insurance | City of North Port |
| Barbara Lockhart, North Port Canal Watch Group Environmental Advisory Board | City of North Port |
| Alan Fish, VBF Surveying | City of North Port |
| Bob Laura, Manager, Stormwater | Sarasota County |
| Paul Semenec, Manager, Stormwater | Sarasota County |

1:00 PM – Call meeting to order – introduction/welcome participants (new and old), review purpose of meeting.

- Meeting called and introductions were made. The City of Venice and the City of North Port joins us as permanent members.
- 1:10 PM – Review PPI Report adoption and discuss dates for additional local adoption
- We reviewed the PPI report and discussed what other municipalities need to do to get the PPI adopted locally. Todd Kerkerling with the City of Sarasota noted they have auto-adopt for all elements of the LMS and with the PPI being an annex to the LMS it should auto-adopt for them.
- 1:20 PM – Review blank Project Sheets, key code from PPI and discuss
- We reviewed blank project sheets and the key code from the PPI that includes target audiences and messages. Elizabeth Wong asked for a digital copy. All other municipalities asked for copies as well.
- 1:45 PM – Review upcoming outreach initiatives
 - Flood Awareness Week coordinated messaging with the FFMA

- Flood Awareness Week proclamation
 - Flood Awareness Week Herald Tribune ad
 - Earth Day Celebration at Oscar Scherer State Park, April 20th? and flood protection handouts review
 - Any other initiatives coming up?
- We reviewed the upcoming outreach and discussed materials each community will contribute for the Earth Day initiative. Each community will need to print 250 copies. Once they have their items printed, they will contact Donna and she will pick them up. Each community will resend their logos for us to include on the artwork for Earth Day.
- Elizabeth Wong discussed the flood display on the property appraiser record cards. She suggested placing the sentence guiding readers to the flood map, be placed on top and the font enlarged. She states readers often miss it or disregard it.
- We discussed the real estate brochure that Kathryn Haring has created. It was suggested that the brochures direct the reader to the FEMA Map Center but it was noted that single properties are not shown on a Firmette, only an entire area. This may make it difficult for the reader to locate their own property. Kathryn has also included updates to their outreach and media (memes) and has them on the City of Venice website.
- Elizabeth Wong asked for a copy of the message that is going out in our utility bills promoting Flood Awareness Week.
- Sherry Bitner discussed videotaping and suggested 2-3-minute videos of maybe reading the messaging for our Flood Awareness Week. We briefly discussed the current project our CRS Coordinator Des is working on for possibly filming a workshop. Sherry also noted TV station could push the flood messaging out and we could work on YouTube videos.
- We discussed the Flood Response packages – Todd Kerkerling offered space at the City of Sarasota if needed to store the documents while we work on the project.
- The committee discussed elevation certificates and a disconnect between our CRS program and the FEMA regulations. We also discussed elevation certificates being available online. James Linkogle noted the pdfs need to be ADA compliant. We need to review whether ours meet this requirement.
- Elizabeth asked about Elevation Certificate training in North Port. They have a venue that would support 45-50 people. I will reach out to Marty Duran to discuss this possibility.
- 2:50 PM – Vote on quarterly meetings for remainder of the year
 - Future dates for meetings were discussed and agreed upon. Donna will send out an invitation to get these dates on everyone's calendars.
- ACTION ITEMS:
 - Donna will send out a copy of the utility bill messaging to North Port for their review.
 - Donna will send out the Flood Awareness Week messaging to all members for their review.
 - Donna will send out the digital project worksheets and key codes.
 - All communities will submit their logos to include on our Earth Day artwork
 - All communities will notify Donna when they have their materials printed and ready to pick up.

SARASOTA COUNTY PROGRAM FOR PUBLIC INFORMATION (PPI)

Committee Meeting



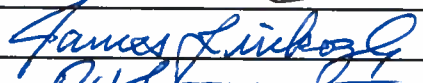


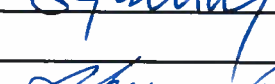



February 20, 2019 - 1:00 p.m. - 3:00 p.m.

Sarasota County Operations Center, BOB, Conference Room 1

1001 Sarasota Center Blvd., Sarasota, FL 34240



PPI COMMITTEE SIGN-IN SHEET

| MEMBER OR ALTERNATE | REPRESENTING | SIGNATURE |
|---------------------|--|---|
| Donna Bailey | Public Works, Sarasota County |  |
| Ed McCrane | Emergency Services, Sarasota County |  |
| Pat Haire | Communications, Sarasota County | |
| James Linkogle | Public Works, Town of Longboat Key |  |
| Todd Kerkerling | Emergency Services, City of Sarasota |  |
| Kathryn Harring | Stormwater, City of Venice |  |
| Elizabeth Wong | Stormwater, City of North Port |  |
| Katherine Howington | Bankers Insurance | |
| Sherry Bitner | RE Financial Service, Inc, Sarasota County |  |
| Darcy Young | Sarasota Bay Estuary Program |  |
| Neil Fleet | AMI-Bay Isles, Town of Longboat Key | |
| Don Hermey | Mote Marine, City of Sarasota |  |
| Christina Pitchford | Realtor Association of Sarasota & Manatee, Sarasota County | |
| Pete Travis | Torrent Corporation, Sarasota County | |
| Jessica Williams | Wright Flood, Sarasota County | |
| Sharon Gould | Florida Moves, Sarasota County | |
| Kirsten Pedersen | Sarasota County Citizen Stakeholder | |

SARASOTA COUNTY PROGRAM FOR PUBLIC INFORMATION (PPI)

Committee Meeting



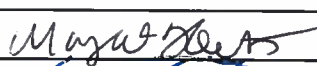


February 20, 2019 - 1:00 p.m. - 3:00 p.m.

Sarasota County Operations Center, BOB, Conference Room 1

1001 Sarasota Center Blvd., Sarasota, FL 34240



PPI COMMITTEE SIGN-IN SHEET

| MEMBER OR ALTERNATE | REPRESENTING | SIGNATURE |
|----------------------|---|---|
| Kathy Kelley Ohlrich | CCNA, Sarasota County | |
| Carl Shoffstall | CCNA, Sarasota County | |
| Dean McConville | State Farm Insurance, City of North Port | |
| Mary Elizabeth Petty | AAA Insurance, City of Venice | |
| Mark Hawkins | Hawks Nest Construction, City of Venice | |
| Paul Semenec | Public Works, Sarasota County |  |
| Khansith Bouphe | Jones Edmunds & Associates |  |
| Heather Hansen | City of North Port | |
| Mary Foster | State Farm Insurance, City of North Port |  |
| Alan Fish | VBF Surveying, City of North Port |  |
| Barbara Lockhart | North Port Canal Watch Group & Environmental Advisory Board, City of North Port |  |
| Brice Ferguson | City of Venice | |
| Claire Aronson | Communications, Sarasota County | |

Bob Laura

stormwater

Robert Lane

2nd Meeting – April 10, 2019

The Facilitator called the meeting to order. Introductions were given and we reviewed the purpose of the meeting. Upcoming Preliminary Coastal Map updates were discussed; Hazard Disclosure; Earth Day Promotion outreach initiative.

Committee Members in attendance:

| MEMBER | REPRESENTING |
|--|--|
| Donna Bailey, CRS Specialist and Meeting Facilitator | Sarasota County |
| Des Companion, CRS Coordinator | Sarasota County |
| Ed McCrane, Manager Emergency Services | Sarasota County |
| James Linkogle, Public Works | Town of Longboat Key |
| Todd Kerkerling, Emergency Services | City of Sarasota |
| Kathryn Harring, Stormwater | City of Venice |
| Heather Hansen for Elizabeth Wong, PE, Stormwater | City of North Port |
| Sherry Bitner, RE Financial Services | Sarasota County |
| Christina Pitchford, Realtor | Realtors Assoc. of Sarasota & Manatee (RASM) |
| Pete Travis, Torrent Corporation | Sarasota County |
| Jessica Williams, Wright Flood | Sarasota County |
| Khansith Bouphe, Jones Edmunds Associates | Sarasota County |
| Alan Fish, VBF Surveying | City of North Port |
| Bob Laura, Manager, Stormwater | Sarasota County |
| Paul Semenec, Manager, Stormwater | Sarasota County |

2:00 PM – Call meeting to order – introduction of participants and purpose of meeting.

2:10 PM - Coastal Map Updates – Des Companion

- Current timeline for completion
- Coordinate and schedule meetings within jurisdictions (2 each?)
 - *Des Companion with Sarasota County discussed the FEMA Risk MAP updates: A handout for the process and legal requirements for preliminary maps was reviewed. This FEMA Risk MAP update will be a combination of the FEMA Coastal study and Sarasota County's Physical Map Revision (PMR) studies of Phillippi Creek, Lemon Bay and Little Sarasota.*
 - *According to FEMA's Mark Vieira, whom Des spoke with, Congress is expecting Sarasota County preliminary maps under the Risk MAP program at the end of December 2019, with FEMA Region IV outreach occurring sometime in February or March.*
 - *The following activities are suggested for each community to begin preparation, such as:*
 - *Reservations for 2 public meetings beginning the end of February or March/April 2020;*

- *Preparation to handle additional outreach, appeals and comments and phone calls,*
- *Draft media releases and postcard for mailing etc.*
 - *Since Longboat Key has its community split by Sarasota County and Manatee County, they should only need to provide one public meeting. Also recommended, we hold some at night and/or on the weekend so working residents can attend.*
 - *A LiMWA (Limit of Moderate Wave Action) line will be shown on the map. This will introduce the new flood zone in Sarasota county, "Coastal AE Zone" on maps. This flood zone is already part of the Florida Building Code.*
 - *Bob Laura with Sarasota County stated FEMA will provide a 'Changes since last effective FIRM' product that will outline those properties and areas that will change in both the FEMA Coastal study and the County updates we applied for. That is a new Risk MAP product that FEMA produces.*
 - *There is generally 90 days for comments and appeals, and 180 days for compliance and adoption. Bob noted historically FEMA makes the maps effective 12-18 months after the preliminary maps but with coastal areas that can be even longer, depending on the number of appeals received. Coastal map updates typically get more appeals and comments than other areas.*
 - *James Linkogle of Longboat Key discussed some changes in the Coastal Risk maps for his portion of Longboat Key located in Manatee county. He states the entire island was previously in the Special Flood Hazard Area (SFHA) and now has pockets of 500-year flood (0.2% annual chance) that show up and noted there is some concern as some parts of buildings now show the 0.2% annual chance flood while others remain in the SFHA.*
 - *Pete Travis with Torrent Corp. states FEMA will send a letter next year to all policy holders with new rates. All residential structures will have rating scores in the letter. The LiMWA line is a non-regulatory line that may be used for insurance rating as well.*
 - *Kat Harring with the City of Venice noted the LiMWA line is the extent of the 1.5' – 3' wave action.*
- **2:30 PM – Hazard Disclosure – CRS Activity**
 - *Sarasota/Manatee Board of Realtors, other groups for outreach*
 - *Map update – disseminating hazard disclosure*
 - *Realtor Brochure review / handout*
 - *Donna Bailey with Sarasota County spoke about the invitation to speak at the Realtors of Sarasota and Manatee (RASM) meeting in June set up by Christina Pitchford with RASM. A discussion was made about increasing presentations/speaking at Realtor Boards and other groups to quarterly to help get the word out. These groups are great at sharing this information.*
 - *The Real Estate brochure was reviewed and discussed. Christina noted there may be some reluctance from realtors to use it. We further discussed how we might be able to incorporate additional information the realtors may like and where we might be able to link this document online.*

- *Kat noted the real estate brochure she developed, and we discussed how we could blend both brochures together.*
 - *Christina Pitchford asked Kat if she would send her a copy of the brochure – Kat will send it to Donna and Donna will distribute it.*
 - *Donna asked everyone to please send their comments on the real estate brochure so they can be incorporated and reviewed at the next meeting.*
- **2:55 PM – Earth Day Promotion – April 27th at Oscar Scherer Park 10:00 a.m. – 4:00 p.m.**
 - *We quickly reminded everyone of our Earth Day promotion and that we still need flood literature from North Port and Longboat Key. Todd Kerker with City of Sarasota suggested the literature from Longboat Key could be dropped off in the City and he could deliver to us. Great idea!*
We quickly went over next meeting discussion shown below.
- **3:00 PM – Meeting adjourned**
- **Next Meeting Discussion:**
- PPI Committee webpage development and review
- Flood Insurance Promotion –
 - Target audience and messaging: Coastline
 - Develop promotional literature
 - Where to leave promotional literature

SARASOTA COUNTY PROGRAM FOR PUBLIC INFORMATION (PPI)

Committee Meeting

April 10, 2019 - 2:00 p.m. - 3:00 p.m.

Sarasota County Operations Center, BOB, Conference Room 1

1001 Sarasota Center Blvd., Sarasota, FL 34240



PPI COMMITTEE SIGN-IN SHEET

| MEMBER OR ALTERNATE | REPRESENTING | SIGNATURE |
|----------------------------------|--|--------------------------------|
| Donna Bailey | Public Works, Sarasota County | <i>[Signature]</i> |
| Des Companion | Public Works, Sarasota County | <i>Desiree Companion</i> |
| Ed McCrane | Emergency Services, Sarasota County | on telephone - conference call |
| Pat Haire | Communications, Sarasota County | |
| James Linkogle | Public Works, Town of Longboat Key | on telephone - conference call |
| Todd Kerkerling | Emergency Services, City of Sarasota | <i>[Signature]</i> |
| Kathryn Harring | Stormwater, City of Venice | <i>[Signature]</i> |
| HEATHER HAUSEN Elizabeth Wong | Stormwater, City of North Port | <i>Heather A. W.</i> |
| Katherine Howington | Bankers Insurance | |
| Sherry Bitner | RE Financial Service, Inc, Sarasota County | <i>Sherry Bitner</i> |
| Darcy Young | Sarasota Bay Estuary Program | |
| Neil Fleet | AMI-Bay Isles, Town of Longboat Key | |
| Don Hermey | Mote Marine, City of Sarasota | |
| Christina Pitchford | Realtor Association of Sarasota & Manatee, Sarasota County | <i>[Signature]</i> |
| Pete Travis | Torrent Corporation, Sarasota County | <i>[Signature]</i> |
| Jessica Williams | Wright Flood, Sarasota County | on telephone - conference call |
| Sharon Gould | Florida Moves, Sarasota County | |

SARASOTA COUNTY PROGRAM FOR PUBLIC INFORMATION (PPI)

Committee Meeting

April 10, 2019 - 2:00 p.m. - 3:00 p.m.

Sarasota County Operations Center, BOB, Conference Room 1

1001 Sarasota Center Blvd., Sarasota, FL 34240



PPI COMMITTEE SIGN-IN SHEET

| MEMBER OR ALTERNATE | REPRESENTING | SIGNATURE |
|----------------------|---|------------------------|
| Kathy Kelley Ohlrich | CCNA, Sarasota County | |
| Carl Shoffstall | CCNA, Sarasota County | |
| Dean McConville | State Farm Insurance, City of North Port | |
| Mary Elizabeth Petty | AAA Insurance, City of Venice | |
| Mark Hawkins | Hawks Nest Construction, City of Venice | |
| Paul Semenec | Public Works, Sarasota County | |
| Khansith Bouphe | Jones Edmunds & Associates | <i>Khansith Bouphe</i> |
| Heather Hansen | City of North Port | |
| Mary Foster | State Farm Insurance, City of North Port | |
| Alan Fish | VBF Surveying, City of North Port | <i>Alan Fish</i> |
| Barbara Lockhart | North Port Canal Watch Group & Environmental Advisory Board, City of North Port | |
| Brice Ferguson | City of Venice | |
| Claire Aronson | Communications, Sarasota County | |

Bob Laura Public Works, Sarasota County
Paul Semenec Public Works stormwater

Robert Laura
Paul

3rd Meeting – August 14, 2019

The Facilitator called the meeting to order. Introductions were given and we reviewed the purpose of the meeting. A new children's outreach 'Floody the Frog' initiative was discussed; more discussion of the upcoming Preliminary Flood Maps; Additional Flood Information Workshops; Flood Insurance Promotion; Flood and Hurricane Awareness Newsletter; Flood zones vs Evacuation Levels; and RLAA Notification Letter mail-out; NOAA Green Infrastructure Initiative.

Committee Members in attendance:

| MEMBER | REPRESENTING |
|--|--|
| Donna Bailey, CRS Specialist and Meeting Facilitator | Sarasota County |
| Des Companion, CRS Coordinator | Sarasota County |
| Ed McCrane, Manager Emergency Services | Sarasota County |
| James Linkogle, Public Works | Town of Longboat Key |
| Todd Kerkerling, Emergency Services | City of Sarasota |
| Kathryn Harring, Stormwater | City of Venice |
| Elizabeth Wong, PE, Stormwater | City of North Port |
| Sherry Bitner, RE Financial Services | Sarasota County |
| Darcy Young, Manager, Sarasota Bay Estuary Program | Sarasota County |
| Christina Pitchford, Realtor | Realtors Assoc. of Sarasota & Manatee (RASM) |
| Pete Travis, Torrent Corporation | Sarasota County |
| Jessica Williams, Wright Flood | Sarasota County |
| Khansith Boupha, Jones Edmunds Associates | Sarasota County |
| Alan Fish, VBF Surveying | City of North Port |
| Bob Laura, Manager, Stormwater | Sarasota County |
| Don Hermey, Maintenance, Mote Marine | City of Sarasota |
| Neil Fleet, AMI-Bay Isles, HOA | Town of Longboat Key |
| Mary Foster, State Farm Insurance | City of North Port |

2:00 PM – Call meeting to order – introduction/welcome participants review purpose of meeting.

Sarasota County:

- **RLAA notification letter mail-out:** Move from November to February
 - Donna Bailey discussed moving the RLAA notification letter mail-out from November this year to February next year. With our snow-bird population, it makes better sense and will ensure most residents are here for the letter.
- **Floody the Frog initiative:** NEST calendar; Posters in all elementary school libraries and public libraries
 - We all reviewed the Floody the Frog draft poster and initiative. Elizabeth Wong suggested using her resources to make a PSA video. Their community has a great viral video history.

- Don Hermey with Mote Marine stated they have a home school program and they may want posters for their program.
- Des Companion suggested reaching out to the Florida House for additional exposure.
- Todd Kerkerling suggested the Education Foundation
- Is there a way to create a phone app since children spend time on their phones? We will look at that possibility as we get further into the initiative.

All Communities:

- **Flood Zone vs Evacuation Level:** Messaging and artwork - City of Venice
 - We reviewed the artwork for the flood zone vs evacuation level by Kat with the City of Venice.
 - Ed McCrane is working on creating a new web application for the evacuation levels.
- **Flood and Hurricane Awareness Newsletter:** Review content - Town of Longboat Key
 - We reviewed the newsletter James Linkogle puts out for the Town of Longboat Key with updates to their FMP. They are currently updating their FMP and will survey their citizens.
 - We talked about tailoring the letter to our community for next year's mail-out.
 - Mary suggested looking into the Post Office "Every Door Direct Mail" process for sending the letter. She believes the cost is approximately .18 per letter.
 - Elizabeth Wong states they send a newsletter to all of their residents at 2 x year.
- **Flood Map & Risk Map update:** Follow up/continue discussion on plan for outreach
 - We briefly spoke about follow up for the upcoming flood map & Risk Map updates.
 - They are still expected at the end of December this year, per Bob Laura.
 - Elizabeth Wong asked if she could get a list from us for the communities to perform a notification mail-out. Bob stated yes.
- **Flood Insurance Promotion Discussion:** What communities already have it
 - We spoke briefly about the Flood Insurance Promotion and how we might be able to initiate the process. Des Companion discussed bringing back cumulative substantial improvement/damage repair.
 - We discussed private insurance vs NFIP.
- **Additional Flood Information Workshops:** Coordination with other communities – City of North Port
 - Christina Pitchford states the annual meeting for RASM (Realtor Association of Sarasota & Manatee) is coming up. We can see about collaborating for a workshop.

FOR OUR NEXT MEETING IN DECEMBER: NOAA Green Infrastructure - review and discuss at our next meeting

<https://coast.noaa.gov/data/docs/digitalcoast/gi-cost-benefit.pdf>

- **Darcy spoke briefly about the NOAA green infrastructure initiative.**
 - Of interest is a program to address downspout flooding.
 - We will review the attached link for more information and discuss this at the next meeting.

THE NEXT PPI COMMITTEE MEETING IS SCHEDULED FOR DECEMBER 11, 2019. An agenda and will be sent out the Friday before (December 6, 2019).

SARASOTA COUNTY PROGRAM FOR PUBLIC INFORMATION (PPI)

Committee Meeting

August 14, 2019 - 2:00 p.m. - 3:00 p.m.

Sarasota County Operations Center, BOB, Conference Room 2

1001 Sarasota Center Blvd., Sarasota, FL 34240



PPI COMMITTEE SIGN-IN SHEET

| MEMBER OR ALTERNATE | REPRESENTING | SIGNATURE |
|---------------------|--|-------------------------------|
| Donna Bailey | Public Works, Sarasota County | Donna Bailey |
| Des Companion | Public Works, Sarasota County | Des Companion on telephone |
| Ed McCrane | Emergency Services, Sarasota County | |
| Pat Haire | Communications, Sarasota County | |
| James Linkogle | Public Works, Town of Longboat Key | James Linkogle |
| Cindy Cahill | Flood Zone Specialist, City of Sarasota | |
| Todd Kerker | Emergency Services, City of Sarasota | Todd Kerker |
| Kathryn Harring | Stormwater, City of Venice | Kathryn Harring |
| Elizabeth Wong | Stormwater, City of North Port | Elizabeth Wong |
| Katherine Howington | Bankers Insurance | |
| Sherry Bitner | RE Financial Service, Inc, Sarasota County | Sherry Bitner |
| Darcy Young | Sarasota Bay Estuary Program | present — forgot to sign |
| Neil Fleet | AMI-Bay Isles, Town of Longboat Key | Neil Fleet |
| Don Hermey | Mote Marine, City of Sarasota | Don Hermey |
| Christina Pitchford | Sarasota County | Christina Pitchford |
| Pete Travis | Torrent Corporation, Sarasota County | present — forgot to sign |
| Jessica Williams | Wright Flood, Sarasota County | Jessica Williams |

SARASOTA COUNTY PROGRAM FOR PUBLIC INFORMATION (PPI)

Committee Meeting

August 14, 2019 - 2:00 p.m. - 3:00 p.m.

Sarasota County Operations Center, BOB, Conference Room 2

1001 Sarasota Center Blvd., Sarasota, FL 34240



PPI COMMITTEE SIGN-IN SHEET

| MEMBER OR ALTERNATE | REPRESENTING | SIGNATURE |
|----------------------|---|------------------------|
| Kathy Kelley Ohlrich | CCNA, Sarasota County | |
| Carl Shoffstall | CCNA, Sarasota County | |
| Dean McConville | State Farm Insurance, City of North Port | |
| Mary Elizabeth Petty | AAA Insurance, City of Venice | |
| Mark Hawkins | Hawks Nest Construction, City of Venice | |
| Paul Semenec | Public Works, Sarasota County | |
| Khansith Boupma | Jones Edmunds & Associates | <i>Khansith Boupma</i> |
| Heather Hansen | City of North Port | |
| Mary Foster | State Farm Insurance, City of North Port | on telephone |
| Alan Fish | VBF Surveying, City of North Port | <i>Alan Fish</i> |
| Barbara Lockhart | North Port Canal Watch Group & Environmental Advisory Board, City of North Port | |
| Brice Ferguson | City of Venice | |
| Claire Aronson | Communications, Sarasota County | |
| Sharon Gould | Florida Moves, Sarasota County | |
| Robert Laura | Public Works, Sarasota County | <i>Robert Laura</i> |

4TH Meeting – December 11, 2019

The Facilitator called the meeting to order. Introductions were given and we reviewed the purpose of the meeting. We discussed the addition of a flood survey to the website; Questions on the survey were reviewed and revised; Additional outreach initiatives including video; Flood messaging on Utility bills; Annual Evaluation Report review.

Committee Members in attendance:

| MEMBER | REPRESENTING |
|--|--|
| Donna Bailey, CRS Specialist and Meeting Facilitator | Sarasota County |
| Ed McCrane, Manager Emergency Services | Sarasota County |
| James Linkogle, Public Works | Town of Longboat Key |
| Todd Kerkerling, Emergency Services | City of Sarasota |
| Cyndi Cahill, Stormwater | City of Sarasota |
| Kathryn Harring, Stormwater | City of Venice |
| Sherry Bitner, RE Financial Services | Sarasota County |
| Darcy Young, Manager, Sarasota Bay Estuary Program | Sarasota County |
| Christina Pitchford, Realtor | Realtors Assoc. of Sarasota & Manatee (RASM) |
| Pete Travis, Torrent Corporation | Sarasota County |
| Jessica Williams, Wright Flood | Sarasota County |
| Khansith Boupha, Jones Edmunds Associates | Sarasota County |
| Bob Laura, Manager, Stormwater | Sarasota County |
| Michael Dexter, Sarasota Bay Estuary Program | Sarasota County |
| Don Hermey, Maintenance, Mote Marine | City of Sarasota |
| Neil Fleet, AMI-Bay Isles, HOA | Town of Longboat Key |
| Thomas Sacharski, City of North Port | City of North Port |
| Marty Foster, State Farm Insurance | City of North Port |

2:00 PM – Call meeting to order – introduction/welcome participants review purpose of meeting

SARASOTA COUNTY:

1. Add flood survey: Add to the website for next year's evaluation report data

- The committee reviewed the FMP flood survey. It was suggested to add a disclaimer at the top of the survey stating the information will be used for no other purpose than tracking flood issues throughout Sarasota County.
- The following FMP Survey question revisions were suggested:
 - 1: Consider not using the full address so there are no privacy issues.
 - 7: Include month of storm and whether or not it was a named storm
 - 9: Add examples of flood protection in case they don't know
 - 13: Also ask if NFIP or Private insurance
 - 14: Add the question "Was it useful?"
 - 15: Add the question "Was it useful?"
 - 16: Ask where they attended the workshop and add website link to workshops

17: Add website for evacuation levels

20: Add whether their property is affected by tides (king tides)

21: Ask what jurisdiction they live in

- It was also discussed to consider making a podcast or video for the flood zone workshops.
- The committee also discussed the preliminary RISK maps we are expecting at the end of this year. They thought it would be useful to include a link to other municipalities on the mapping page.

2. Floody the Frog Initiative: Posters, Costume, Events

- The committee discussed the debut of Floody the Frog, the posters and upcoming events such as the annual Earth Day celebration at Oscar Scherer State Park in April.

3. Flood Messaging on Utility Bills: Scheduled March 2020 to coincide with Flood Awareness Week

2019 Utility Bill Message for Sarasota County:

Be prepared this year!

Buy flood insurance for peace of mind because it only takes one storm.

Flood Awareness Week March 11-17

For more information, visit scgov.net (keyword flood protection

Or call 941-861-5000

- The committee reviewed the message from last year's utility bill. We discussed the flood messaging for Flood Awareness Week 2020. The dates will be March 9-16. The committee suggested adding Floody to the printed utility bill message.
- It was also suggested to see if we can add a link to the website for bill pay that will allow the user to fill out a FMP flood survey.

4. Evaluation Report Review: Comments are due by February 12, 2020.

- The committee briefly reviewed the evaluation report. Municipalities that haven't provided flood insurance data for the evaluation report will request that information.

HANDOUTS: Flood Survey; Evaluation Report

NEXT MEETING:

March 11, 2020 – finalize the PPI Evaluation Report

ACTION ITEMS:

- Each municipality that didn't provide flood insurance data will request it from ISO and email it to Donna Bailey to incorporate into the report.
- Comments to the report are due by February 12th

SARASOTA COUNTY PROGRAM FOR PUBLIC INFORMATION (PPI)

Committee Meeting

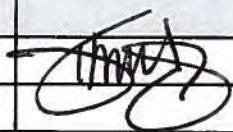
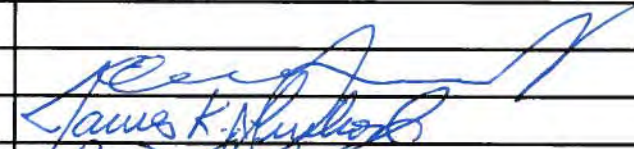
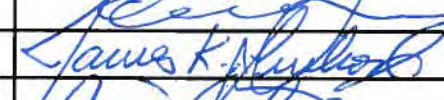




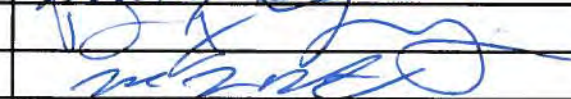

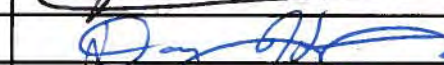

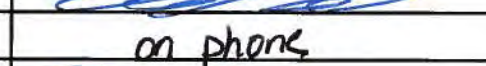
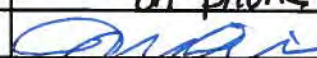
December 11, 2019 - 2:00 p.m. - 3:00 p.m.

Sarasota County Operations Center, BOB, Conference Room 1

1001 Sarasota Center Blvd., Sarasota, FL 34240



PPI COMMITTEE SIGN-IN SHEET

| MEMBER OR ALTERNATE | REPRESENTING | SIGNATURE |
|---------------------|--|---|
| Donna Bailey | Public Works, Sarasota County |  |
| Steve Hardy | Communications, Sarasota County | |
| Des Companion | Public Works, Sarasota County | |
| Ed McCrane | Emergency Services, Sarasota County |  |
| James Linkogle | Public Works, Town of Longboat Key |  |
| Cindy Cahill | Flood Zone Specialist, City of Sarasota |  |
| Todd Kerkering | Emergency Services, City of Sarasota |  |
| Kathryn Haring | Engineering, City of Venice |  |
| Elizabeth Wong | Stormwater, City of North Port | |
| Katherine Howington | Bankers Insurance | |
| Sherry Bitner | RE Financial Service, Inc, Sarasota County |  |
| Darcy Young | Sarasota Bay Estuary Program |  |
| Micheal Dexter | Sarasota Bay Estuary Program |  |
| Neil Fleet | AMI-Bay Isles, Town of Longboat Key |  |
| Don Hermey | Mote Marine, City of Sarasota |  |
| Christina Pitchford | Sarasota County |  |
| Pete Travis | Torrent Corporation, Sarasota County | on phone |
| Jessica Williams | Wright Flood, Sarasota County |  |

SARASOTA COUNTY PROGRAM FOR PUBLIC INFORMATION (PPI)

Committee Meeting

December 11, 2019 - 2:00 p.m. - 3:00 p.m.

Sarasota County Operations Center, BOB, Conference Room 1

1001 Sarasota Center Blvd., Sarasota, FL 34240



PPI COMMITTEE SIGN-IN SHEET

| MEMBER OR ALTERNATE | REPRESENTING | SIGNATURE |
|----------------------|---|-----------------|
| Kathy Kelley Ohlrich | CCNA, Sarasota County | |
| Carl Shoffstall | CCNA, Sarasota County | |
| Dean McConville | State Farm Insurance, City of North Port | |
| Mary Elizabeth Petty | AAA Insurance, City of Venice | |
| Mark Hawkins | Hawks Nest Construction, City of Venice | |
| Paul Semenec | Public Works, Sarasota County | |
| Khansith Bouphe | Jones Edmunds & Associates | |
| Thomas Sacharski | City of North Port | 1 Sign on phone |
| Mary Foster | State Farm Insurance, City of North Port | on phone |
| Alan Fish | VBF Surveying, City of North Port | |
| Barbara Lockhart | North Port Canal Watch Group & Environmental Advisory Board, City of North Port | |
| Claire Aronson | Communications, Sarasota County | |
| Sharon Gould | Florida Moves, Sarasota County | |
| Robert Laura | Public Works, Sarasota County | Robert Laura |

SARASOTA COUNTY MULTI-JURISDICTIONAL PROGRAM FOR PUBLIC INFORMATION

Sarasota County | October, 2018



Celery Fields Project
Natural Floodplain Functions
Sarasota County

**SARASOTA COUNTY
MULTI-JURISDICTIONAL
PROGRAM FOR PUBLIC INFORMATION**

Prepared for:

Sarasota County
1001 Sarasota Center Blvd.
Sarasota, Florida 34240

Prepared by:

Jones Edmunds & Associates, Inc.
7230 Kyle Court
Sarasota, Florida 34240

October, 2018

REVISIONS

| Date | Revision |
|------|----------|
| | |
| | |
| | |
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APPENDIX A – PPI PROJECTS

ATTACHMENT 1 – PPI MEETING MINUTES

ATTACHMENT 2 – FLOOD WARNING AND RESPONSE MESSAGES

1 INTRODUCTION

PURPOSE

The Sarasota PPI is multi-jurisdictional and includes all areas of Sarasota County including unincorporated Sarasota, the City of Sarasota, Town of Longboat Key, the City of North Port, and the City of Venice. Sarasota County is a Gulf Coast community located on the west coast of Florida that encompasses approximately 590 square miles of land, with 37 miles of open shoreline along the Gulf of Mexico. There are more than 420 miles of rivers, streams, and canals within the county. In addition, there are 43 named lakes covering 2,091 acres, and over 70 square miles of estuaries and bays that support diverse habitats for plants and animals. The sub-tropical weather pattern in this region provides frequent extreme weather events including flooding from tropical depressions and hurricanes. Extreme and severe summer rains can cause flooding in various locations throughout the County. These events may pose a significant threat to life and property. As such, Sarasota County has a number of ongoing outreach efforts with goals to increase flood hazard awareness, encourage flood insurance coverage, protect people from the flood hazard, protect property, build responsibly, protect the natural functions of floodplains, encourage hurricane preparations, educate people about flood economics, and inform people about how sea level rise will affect the community.

The County has been actively participating in the National Flood Insurance Program's (NFIP) Community Rating System (CRS) since 1992. The CRS program provides flood insurance premium reductions to participating communities. The reductions are based on the community's floodplain management programs, which include the public information outreach activities. The County initiated the Program for Public Information (PPI), a Federal Emergency Management Agency (FEMA) planning tool, to coordinate outreach efforts. The County's purpose in developing this plan is to improve communication and coordination of outreach efforts, and provide information about flood hazards and ways to protect people, property and natural floodplain functions to residents.

There are seven steps to prepare the PPI, which include:

1. Establish a PPI committee
2. Assess the community's public information needs, including identifying target audiences
3. Formulate outreach messages
4. Identify outreach projects to convey the messages
5. Examine other public information initiatives by the County and other agencies
6. Prepare the PPI document and adopt the PPI
7. Implement, monitor and evaluate the PPI

This PPI is part of Sarasota County's overall Floodplain Management Plan (FMP), which is an appendix to Sarasota County's Local Mitigation Strategy (LMS). The LMS is a state-approved multi-jurisdictional, multi-hazard plan that serves not only unincorporated Sarasota County, but also the City of Sarasota, City of Venice, City of North Port and the Town of Longboat Key. The geographic and jurisdictional scope of the Sarasota PPI includes all areas of Sarasota County including the City of Sarasota, Town of Longboat Key, the City of North Port, and the City of Venice (Figure 1-1). This PPI offers a structure in line with the Program for Public Information activity of the CRS.

Figure 1-1 Sarasota County



2 PLANNING COMMITTEE

The current plan was created and continues to be updated by a committee (Figure 2-1) consisting of Sarasota County staff as well as public stakeholders. The plan represents a collaboration of representatives from planning and development, emergency, public works and engineering services; public and private sector agencies; and residents. Committee members also include representation from real estate, mortgage and insurance industries, as well as neighborhood associations. Each year the PPI committee will evaluate the County's flooding issues and existing outreach projects, and will update and/or develop new projects.

Table 2-1 describes the committee members.

Table 2-1 Program for Public Information Committee Members

| Government Members | Representing |
|--|--|
| Donna Bailey, dabailey@scgov.net | Floodplain Manager, Sarasota County |
| Ed McCrane, emccrane@scgov.net | Emer. Services, Sarasota County |
| Claire Aronson, caronson@scgov.net | Public Information Officer, Sarasota County |
| James Linkogle, jlinkogle@longboatkey.org | Floodplain Manager, Town of Longboat Key |
| Todd Kerkerling, Richard.Kerkerling@sarasotaFL.gov | Floodplain Manager, City of Sarasota |
| Non-Government Stakeholder Members | Representing |
| Neil Fleet, nfleet@amiwra.com (Stakeholder for Town of Longboat Key) | AMI-Bay Isles |
| Don Hermey, dhermey@mote.org (Stakeholder for City of Sarasota) | Mote Marine |
| Katherine Howington, katherine.howington@bankersinsurance.com | Bankers Insurance |
| Sherry Bitner, sherryb@verizon.net | Solutions First Mortgage |
| Darcy Young, darcy@sarasotabay.org | Sarasota Bay Estuary Program |
| Christina Pitchford, christina@yourhometownconsultant.com | Your Hometown |
| Pete Travis, pete.travis@torrentcorp.com | Torrent Corporation |
| Jessica Williams, jessica.williams@weareflood.com | Wright Flood |
| Sharon Gould, sharon.gould@floridamoves.com | Florida Moves |
| Kirsten Pedersen, kpedersen01@gmail.com | Citizen Stakeholder |
| Kathy Kelley Ohlrich, kkohlrich@gmail.com | Coalition of City Neighborhood Associations (CCNA) |
| Carl Shoffstall, carlS@Floridaplaystructures.com | Coalition of City Neighborhood Associations (CCNA) |

The committee meets regularly to develop and update the plan. Table 2-2 describes the committee meetings. Key topics during the committee meetings include:

- Plan organization
- Identify priority areas for outreach
- Assessment of flood insurance coverage
- Determination of priority audiences for outreach activities
- Inventory and evaluation of other public information initiatives at the County as well as other agencies
- Development of outreach messages
- Review of possible outreach activities
- Plan implementation and update

Figure 2-1 PPI Committee



Table 2-2 PPI Committee Meetings

| Date | Discussion Topics |
|-------------------|--|
| May 24, 2017 | Organized the committee members; discussed goals and objectives for the PPI; discussed current Community Rating System status; reviewed PPI requirements and committee responsibilities; discussed current outreach efforts and ideas. |
| August 15, 2017 | Committee discussed target audiences and areas for outreach as well as the messages to convey; Reviewed progress of current outreach activities and provided input on new ways to reach target audiences through activities that can be initiated by the stakeholders. |
| November 28, 2017 | Committee reviewed the PPI messages and outcomes. The committee reviewed the projects list along with the messages and made suggestions to improve certain projects. The committee also discussed the upcoming Flood Awareness Week and how the PPI can coordinate with FFMA, FDEM, FEMA, insurance agents and realtors to deliver consistent messaging. |
| February 13, 2018 | Committee reviewed the projects list and the status of each project. Committee members will be reviewing the draft report documenting the overall PPI process. |
| May 14, 2018 | The committee reviewed the draft PPI report, the messages for the Flood Awareness Week initiative, and discussed additional outreach project ideas. |

Agendas, sign-in sheets, and meeting notes for the above meetings and subsequent meetings to update the plan are provided in the attachments that accompany this PPI (Attachment 1). PPI committee meetings are advertised in newspapers and on the County's website, and are open to the public.

3 ASSESSMENT OF PUBLIC INFORMATION NEEDS

Over 30,000 structures in Sarasota County are within FEMA's Special Flood Hazard Areas (SFHA). The County is exposed to flooding from hurricanes, tropical storms, storm surges, as well as stormwater runoff resulting from heavy rainfall. Watershed management plans cover all of Sarasota County and provide an excellent means to identify priority areas for floodplain management activities and areas where the buildings should carry flood insurance.

PRIORITY AREAS

Sarasota County is mostly flat, and due to its geographic location in the subtropics, the entire county is vulnerable to damage caused by flooding from tropical storms, hurricanes and heavy rainfall. As an example of this widespread issue, nearly 17% of paid losses for Sarasota County are for structures located outside of the SFHA. In order to identify priority areas of concern, the County has been tracking historical flooding issues using Geographic Information Systems (GIS) and is performing a Repetitive Loss Areas Analysis (RLAA) (see FMP Section 3, Historical Claims and Repetitive Loss Areas). In addition, Sarasota County has developed and maintained a comprehensive Watershed Management Plan for all watersheds within the County. These plans include stormwater models developed to describe the flooding potential for areas within the County. The results of these plans help to identify those areas that are vulnerable to flooding from small storms or less frequent, larger storms.

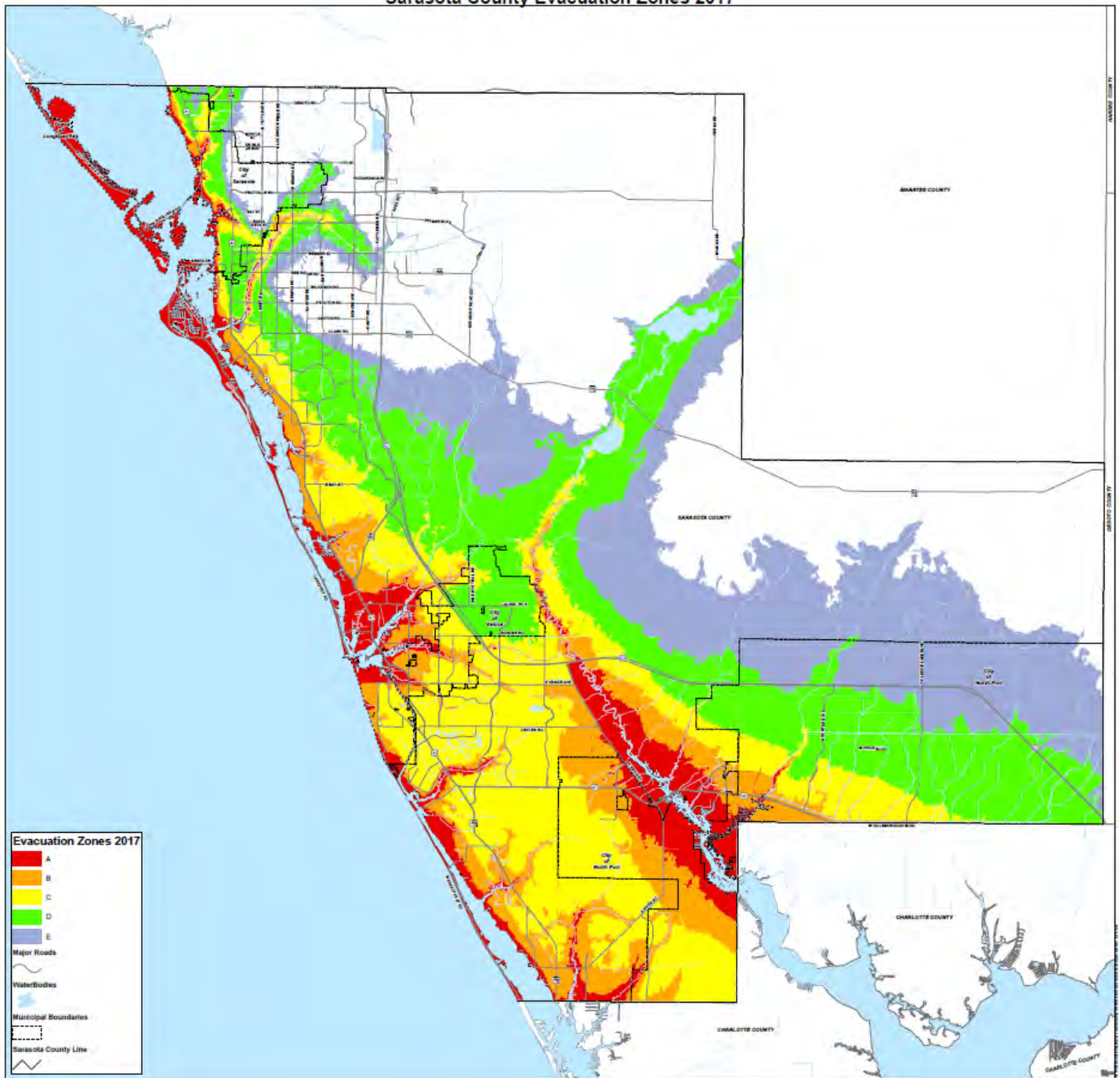
Areas susceptible to flood hazards include the SFHA (Figure 3-1) and the Sarasota County Community Flood Hazard Areas (CFHA) identified through the County's watershed management plans (Figure 3-2). Other areas can also be significantly impacted by storm surge as depicted by the County's hurricane evacuation zones (Figure 3-3), with Zone A being the most vulnerable. Based on the County's assessment of flood hazards, priority areas within the community include the following:

- Coastal lands – These areas have experienced flooding and erosion resulting from severe weather systems such as hurricanes, tropical storms, intense rainfall and surge. During several hurricanes, high tides and surge have caused damage to many homes, seawalls, and roads along the Sarasota coastline.
- Phillippi Creek – This creek is one of the County's major drainage systems. The system ultimately discharges into Sarasota Bay, and is therefore tidally influenced. The area draining to this system is approximately 57 square miles and represents the most populous basin in the County. This area consists of residential, commercial and agricultural land uses. The flat topography of this drainage basin makes this area highly susceptible to flooding as well as storm surge.
- Myakka River – This river is a major drainage system within the county. Along with its tributaries, the area that drains to this system represents approximately 75% of the lands in the county. This river ultimately discharges to the Charlotte Harbor Estuary. The area is predominantly undeveloped, providing natural floodplain functions and habitat for a diversity of wildlife and other natural functions. Although most of the area is undeveloped, there are pockets of homes adjacent to the main river that are prone to flooding. Some of the most vulnerable areas for coastal flooding and storm surge are areas along the Myakka River in the southern portion of the county.
- Localized flooding areas of concern throughout the county were also identified through the County's watershed management plans and RLAA. These areas have been delineated in GIS (see Figures 3-3 through 3-5, and Figure 3-8 of the FMP).

Figure 3-1 Sarasota County Special Flood Hazard Areas

Figure 3-2 Sarasota County Community Flood Hazard Areas

Figure 3-3 Sarasota County Hurricane Evacuation Zones
Sarasota County Evacuation Zones 2017



REPETITIVE LOSS AREAS

Sarasota County performed a repetitive loss areas analysis using the most recent repetitive loss properties data from FEMA, with the goal of reducing the number of repetitive loss properties (RLPs) within Sarasota County. A Repetitive Loss Structure is an NFIP-insured structure that has had at least two paid flood losses of more than \$1,000 each in any 10-year period since 1978. There are currently 253 RLPs for Sarasota County. A Severe Repetitive Loss (SRL) Structure is defined as a residential property that is covered under an NFIP flood insurance policy and (a) has at least four NFIP claim payments (including building and contents) over \$5,000 each, and the cumulative amount of such claims payments exceeds \$20,000; or (b) at least two separate claims payments (building payments only) have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building. For both (a) and (b) above, at least two of the referenced claims must have occurred within any 10-year period, and must be more than 10 days apart. Sarasota County has twenty SRL properties. Eleven of these properties have since been mitigated either by demolition or by providing flood protection.

Sarasota County is deemed a Class C community in the Community Rating System program and is required to have a floodplain management plan or area analyses for its repetitive loss areas.

Stormwater Utility and the CRS Coordinator adhere to the data pertaining to SRLs and RLPs as protected under the Federal Privacy Act of 1974.

Sarasota County mapped the RLPs and evaluated nearby properties with the same potential for flooding. The repetitive loss areas include the properties on the repetitive loss list and all nearby properties that may experience similar flooding conditions. The repetitive loss areas were delineated based on compilation of the following data:

- Repetitive loss properties and data (e.g., number of losses and associated cost).
- LiDAR (elevation data, land slope).
- Conveyance system components (e.g., location and size of stormwater pipes, ditches, storage basins, work requests).
- Floodplains (e.g., WMP studies and FIRMs).
- Storm surge areas.
- Streetview.
- Historical flooding complaints.

Figure 3-4 illustrates the repetitive loss areas identified by the analysis. Flooding occurrences in these areas were due to significant storm events combined with structures located in or around water bodies. The terrain characteristics with respect to these structures can be described as low-lying areas with a high depth to the water table. Table 3-1 describes the causes of flooding for these repetitive loss areas as they relate to significant storms.

Sarasota County continually evaluates the repetitive loss areas, with the most recent evaluation and major update conducted in 2016/2017. The update consisted of a desktop evaluation of existing and potential new repetitive loss areas, and a field investigation of the properties.

Figure 3-4 Repetitive Loss Areas Analysis

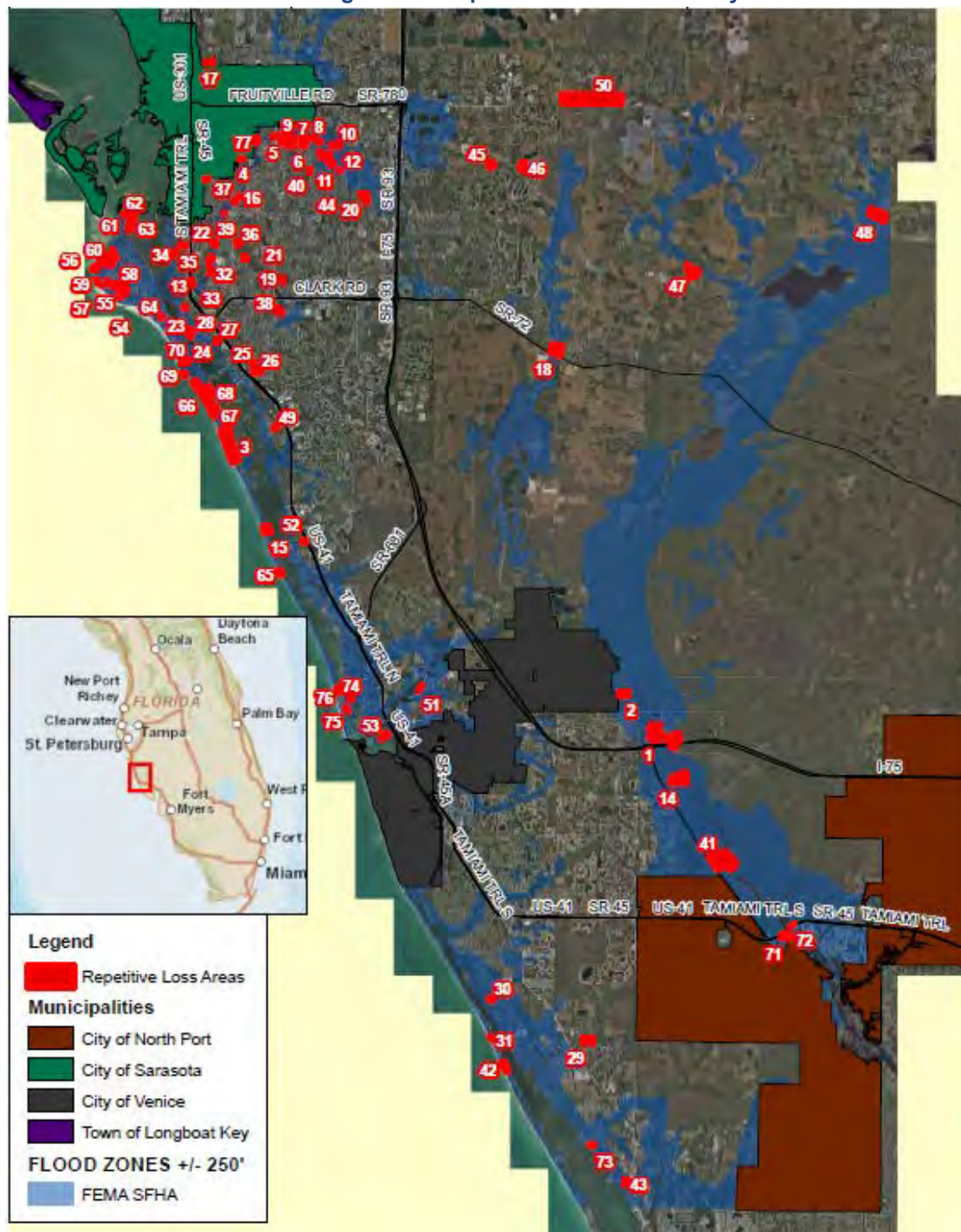


Table 3-1 Causes of Repetitive Flooding

| Repetitive Loss Area Map ID | Building Count | Causes of Repetitive Flooding |
|--|---------------------------|--|
| 1 | 61 | Hurricane Gabrielle (2001): 5 to 10 inches of rainfall, storm surge, and wave action. Storms April through July (2003): 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. Tropical Depression One (1992): Excess of 20 inches of rainfall. |
| 2 | 49 | Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. Tropical Depression One: Excess of 20 inches of rainfall. |
| 3 | 171 | Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. Tropical Storm Josephine |
| 4 | 15 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 5 | 42 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 6 | 257 | Storms April through July: 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. |
| 7 | 14 | Storms April through July: 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. |
| 8 | 24 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 9 | 11 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 10 | 19 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 11 | 38 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 12 | 24 | Tropical Depression One: Excess of 20 inches of rainfall. Tropical Storm Dean (1995): 9 to 11 inches of rainfall. |
| 13 | 13 | Subtropical Storm One (1982): Approximately 6 inches of rainfall, storm surge, and wave action. |
| 14 | 36 | Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. Storms April through July: 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. |
| 15 | 21 | Subtropical Storm One: Approximately 6 inches of rainfall, storm surge, and wave action. |
| 16 | 14 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 17 | 13 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 18 | 13 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 19 | 14 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 20 | 108 | Tropical Depression One: Excess of 20 inches of rainfall. Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 21 | 23 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 22 | 14 | Tropical Depression One: Excess of 20 inches of rainfall. Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 23 | 13 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 24 | 8 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 25 | 9 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 26 | 50 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 27 | 9 | Tropical Depression One: Excess of 20 inches of rainfall. |

| Repetitive Loss Area Map ID | Building Count | Causes of Repetitive Flooding |
|--|---------------------------|---|
| 28 | 12 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 29 | 12 | |
| 30 | 11 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 31 | 10 | |
| 32 | 12 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 33 | 18 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 34 | 15 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 35 | 21 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 36 | 14 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 37 | 15 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 38 | 17 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 39 | 5 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 40 | 18 | Storms April through July: 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. |
| 41 | 658 | Storms April through July: 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. |
| 42 | 31 | |
| 43 | 21 | |
| 44 | 12 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 45 | 16 | Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. |
| 46 | 15 | Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. |
| 47 | 14 | |
| 48 | 10 | Storms April through July: 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. |
| 49 | 16 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 50 | 60 | |
| 51 | 16 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 52 | 16 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 53 | 28 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 54 | 10 | Hurricane Elena (1985): Approximately 3 inches of rainfall, storm surge, and wave action. |
| 55 | 156 | Subtropical Storm One: Approximately 6 inches of rainfall, storm surge, and wave action. Hurricane Elena: Approximately 3 inches of rainfall, storm surge, and wave action. Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. Tropical Storm Dean: 9 to 11 inches of rainfall. Tropical Storm Josephine (1996) |
| 56 | 8 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 57 | 16 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 58 | 17 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 59 | 27 | Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. |

| Repetitive Loss Area Map ID | Building Count | Causes of Repetitive Flooding |
|--|---------------------------|---|
| 60 | 111 | Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. Tropical Depression One: Excess of 20 inches of rainfall. Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 61 | 36 | Subtropical Storm One: Approximately 6 inches of rainfall, storm surge, and wave action. |
| 62 | 11 | Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 63 | 40 | Hurricane Elena: Approximately 3 inches of rainfall, storm surge, and wave action. Subtropical Storm One: Approximately 6 inches of rainfall, storm surge, and wave action. Tropical Storm Dean: 9 to 11 inches of rainfall. Tropical Storm Josephine |
| 64 | 10 | Hurricane Elena: Approximately 3 inches of rainfall, storm surge, and wave action. Tropical Depression One: Excess of 20 inches of rainfall. |
| 65 | 17 | Subtropical Storm One: Approximately 6 inches of rainfall, storm surge, and wave action. |
| 66 | 54 | Hurricane Elena: Approximately 3 inches of rainfall, storm surge, and wave action. Subtropical Storm One: Approximately 6 inches of rainfall, storm surge, and wave action. Tropical Depression One: Excess of 20 inches of rainfall. Tropical Storm Josephine |
| 67 | 13 | Tropical Depression One: Excess of 20 inches of rainfall. Un-named storm (1997): 10 inches of rainfall. |
| 68 | 33 | Hurricane Elena: Approximately 3 inches of rainfall, storm surge, and wave action. |
| 69 | 11 | Subtropical Storm One: Approximately 6 inches of rainfall, storm surge, and wave action. |
| 70 | 51 | Tropical Depression One: Excess of 20 inches of rainfall. Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 71 | 53 | Hurricane Elena: Approximately 3 inches of rainfall, storm surge, and wave action. Hurricane Frances (2004): County experienced four back-to-back hurricanes between August and September 2004. Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. Tropical Storm Josephine Tropical Storm Keith (1988): 1 to 3 inches of rainfall, storm surge, and wave action. |
| 72 | 4 | Hurricane Elena: Approximately 3 inches of rainfall, storm surge, and wave action. Hurricane Frances: County experienced four back-to-back hurricanes between August and September 2004. Hurricane Gabrielle: 5 to 10 inches of rainfall, storm surge, and wave action. Tropical Storm Josephine Tropical Storm Keith: 1 to 3 inches of rainfall, storm surge, and wave action. |

| Repetitive Loss Area Map ID | Building Count | Causes of Repetitive Flooding |
|--------------------------------------|-------------------|--|
| 73 | 16 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 74 | 17 | Tropical Depression One: Excess of 20 inches of rainfall. |
| 75 | 14 | Storms April through July: 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 76 | 19 | Storms April through July: 8 to 10 inches of rainfall. Waters did not recede for over 30 days in some parts of the County. Tropical Storm Dean: 9 to 11 inches of rainfall. |
| 77 | 27 | Tropical Depression One: Excess of 20 inches of rainfall. Tropical Storm Dean: 9 to 11 inches of rainfall. |

FLOOD INSURANCE COVERAGE ASSESSMENT

There are approximately 40,000 policies currently in-force for Sarasota County. About 24,000 of those policies are for structures within the SFHA, indicating that there is a significant number of homeowners that opted to carry flood insurance even though they may not be required to. However, there are approximately 30,000 structures located in the SFHA. The larger number of structures in the SFHA as compared to the number of policies in the SFHA may indicate that there are many homes that do not have a federally backed mortgage and are not required to carry a NFIP flood insurance policy. It should be noted that policies from private flood insurance companies are not reported to the County. Overall, most of the policies in force are for single-family homes (26,146 policies). Most of the claims come from this group, representing approximately \$21.9 million in paid losses from 1,799 claims. Overall, there have been approximately \$25.6 million in paid losses for the County. Table 3-2 and Table 3-3 describe the policy and claim statistics for Sarasota County.

Table 3-2 Policy and Claim Statistics for Pre-FIRM Structures

| Zone | Policies* | Number of Closed Paid Losses* | Closed Paid Losses* |
|--------------|---------------|-------------------------------|---------------------|
| A01-30, AE | 9,644 | 1,069 | \$11,740,220 |
| A | 242 | 207 | \$3,425,560 |
| AO | 0 | 0 | \$0 |
| AH | 0 | 0 | \$0 |
| AR | 0 | 0 | \$0 |
| A99 | 0 | 0 | \$0 |
| V01-30, VE | 528 | 173 | \$2,137,250 |
| V01-30, VE | 0 | 0 | \$0 |
| D | 2 | 42 | \$405,490 |
| B, C, X | 2,548 | 169 | \$2,222,122 |
| Total | 12,964 | 1,660 | \$19,930,642 |

*As of 3/31/2017

Table 3-3 Policy and Claim Statistics for Post-FIRM Structures

| Zone | Policies* | Number of Closed Paid Losses* | Closed Paid Losses* |
|--------------|--------------|-------------------------------|---------------------|
| A01-30, AE | 12,392 | 211 | \$1,894,063 |
| A | 789 | 199 | \$1,984,073 |
| AO | 0 | 0 | \$0 |
| AH | 0 | 0 | \$0 |
| AR | 0 | 0 | \$0 |
| A99 | 0 | 0 | \$0 |
| V01-30, VE | 301 | 11 | \$121,673 |
| V01-30, VE | 0 | 0 | \$0 |
| D | 36 | 2 | \$77,032 |
| B, C, X | 13,503 | 125 | \$1,609,642 |
| Total | 27021 | 548 | \$5,686,483 |

*As of 3/31/2017

The County maintains insurance for facilities that it owns, including flood insurance for facilities that are shown to be at risk for flooding.

As described by Table 3-4, there are approximately forty thousand policies compared to the approximately thirty-seven thousand structures that are located in the SFHA (see Section 6 for an analysis of the residential and commercial buildings located in the SFHA). This high percentage is thanks to the outreach efforts and regular flood information workshops that the County conducts every year. As illustrated in Figure 3-5, the flood insurance policies cover more than just buildings along the coastal areas, but also cover much of the inland areas. Sarasota County is proactive in identifying areas with flooding issues by conducting watershed management plans throughout the County, and by conducting public meetings and workshops to educate residents about their risks.

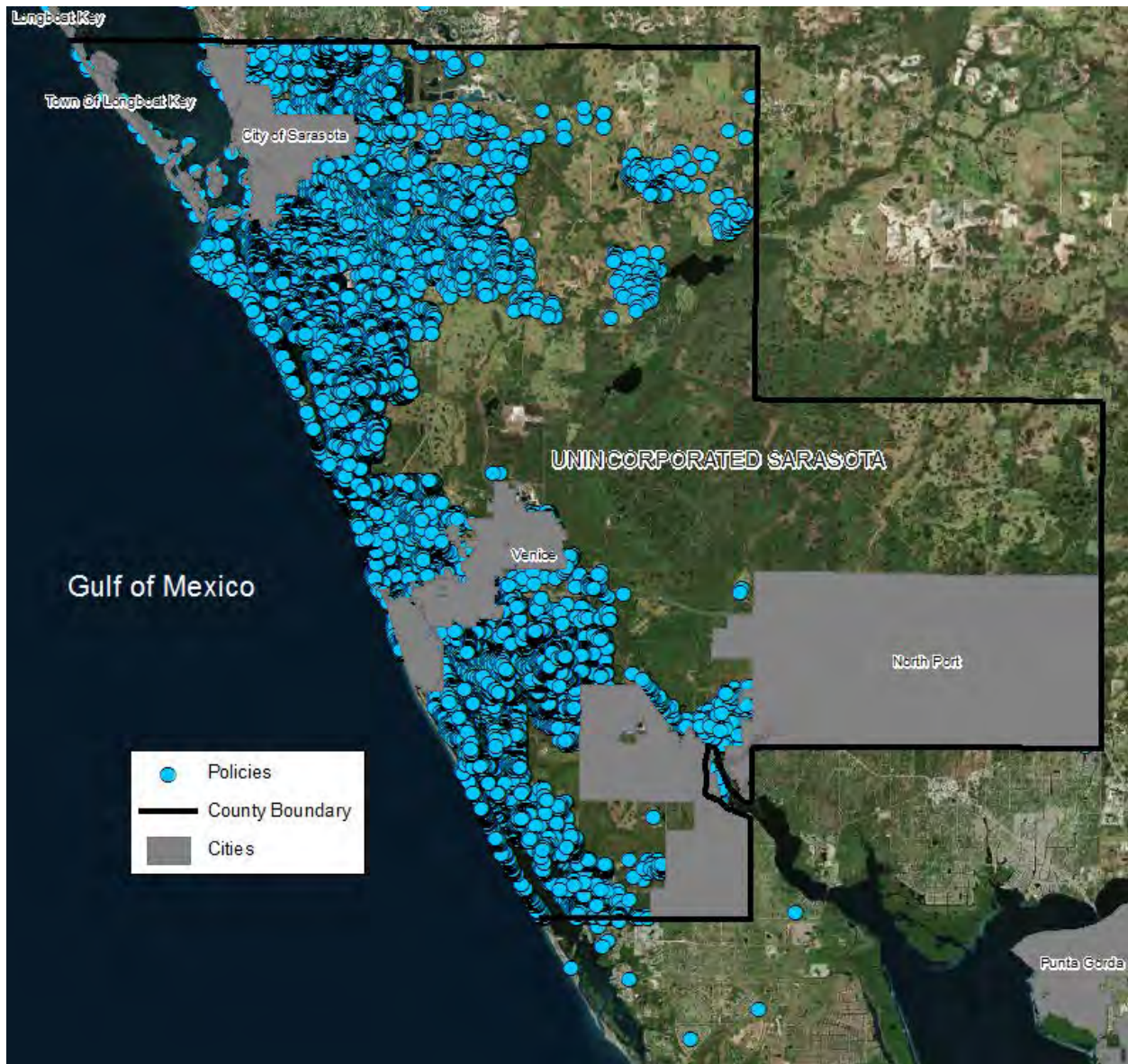
Structures in the community are at risk for flooding whether or not structures are located within a designated SFHA. As illustrated by Table 3-2 and Table 3-3, nearly 17% of paid losses for Sarasota County are for structures outside of the SFHA. Overall, most of the policies in force are for single-family homes (26,146 policies). Most of the claims come from this group, representing approximately \$21.9 million in paid losses from 1,799 claims.

Table 3-4 Policy and Claim Statistics by Occupancy Type

| Occupancy Type | Policies* | Closed Paid Losses* |
|-----------------------|---------------|---------------------|
| Single-Family | 26,146 | \$21,881,591 |
| 2-4 Family | 2,625 | \$1,091,672 |
| All Other Residential | 10,310 | \$1,210,115 |
| Non-Residential | 904 | \$1,441,914 |
| Total | 39,985 | \$25,625,292 |

*As of 3/31/2017

Figure 3-5 Flood Insurance Policies in Unincorporated Sarasota County



Sarasota County geocoded the historical claims data (Figure 3-6). This data was overlaid with other data, such as topographic information, FEMA flood zones, historical flooding complaints, and other information to identify areas within the County that are at risk for flooding. **The combination of policies and claims information that the County geocoded can help the County determine, not only where flood risk exists, but also where residents do not currently have flood insurance and are in high risk areas. Section 6 illustrates the use of this data to determine homes that the County can target for outreach.**

The county is in the process of improving the information that is currently in the flood insurance coverage assessment to delineate additional target audiences that will benefit from outreach relating to flood insurance. These may include homes in the SFHA that may not have flood insurance in place, homes located in the CFHA, or additional homes in areas identified to have historical flooding complaints. **A review of damaged buildings / historical claims indicate that there are areas that have potential to improve flood insurance coverage.** This data provided valuable information about which structures had flood insurance claims, as well as whether structures in the area had NFIP flood insurance policies in place or not. Figures Figure 3-7 through Figure 3-12 illustrate examples of areas that may benefit from additional outreach regarding flood insurance. These areas are in or close to floodplains and contain buildings that may not carry flood insurance. Some of these areas had previous flood insurance claims and therefore, there exists a real risk of flooding for buildings in the same area without flood insurance. Using this information the County can determine which addresses may be at risk of flooding and may not have flood insurance.

Figure 3-6 Flood Insurance Claims in Unincorporated Sarasota County

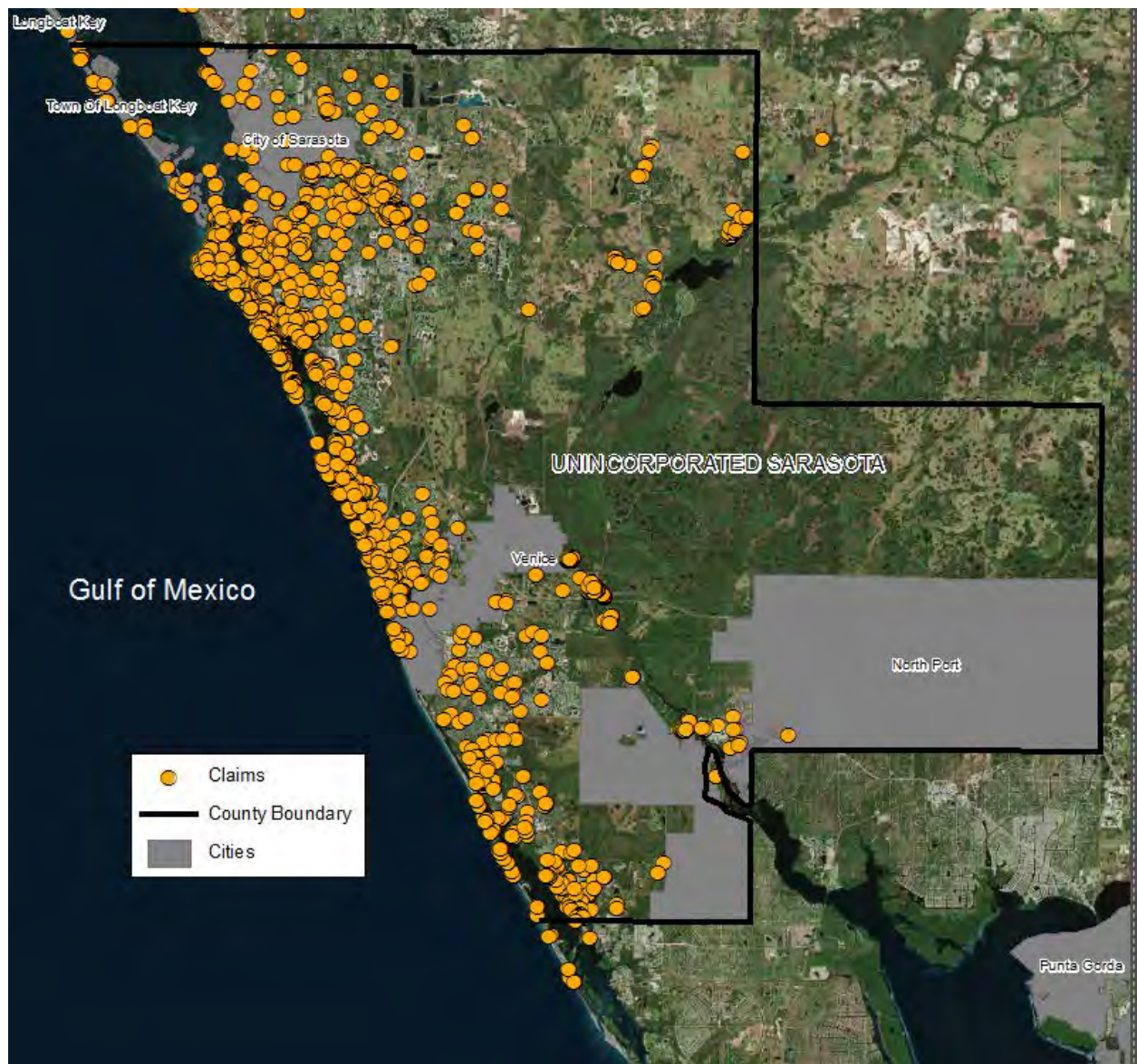


Figure 3-7 Potential Flood Insurance Coverage Improvement for Buildings - Area 1



Buildings: 1153
Policies: 83

Figure 3-9 Potential Flood Insurance Coverage Improvement for Buildings - Area 3

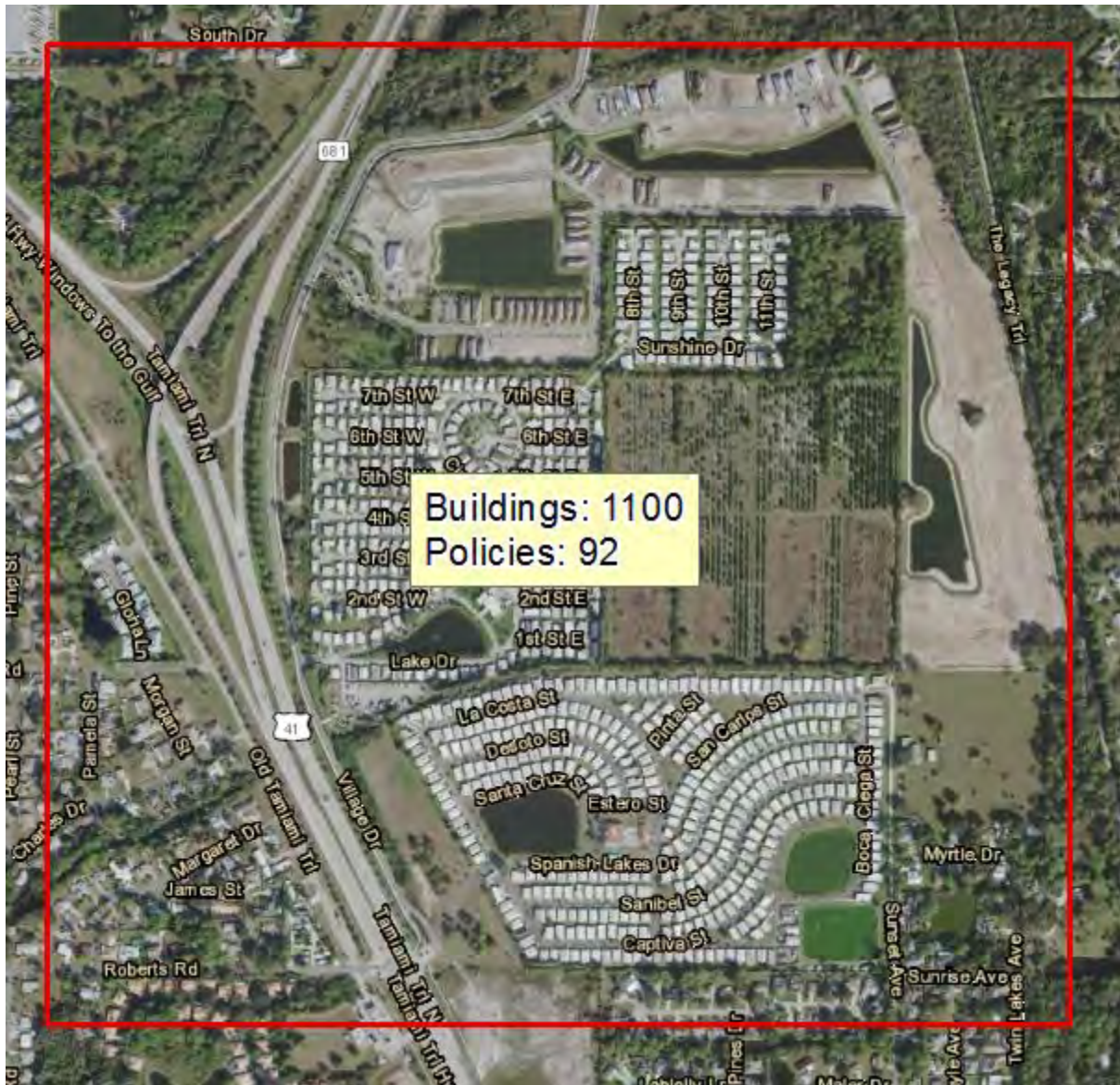


Figure 3-10 Potential Flood Insurance Coverage Improvement for Buildings - Area 4

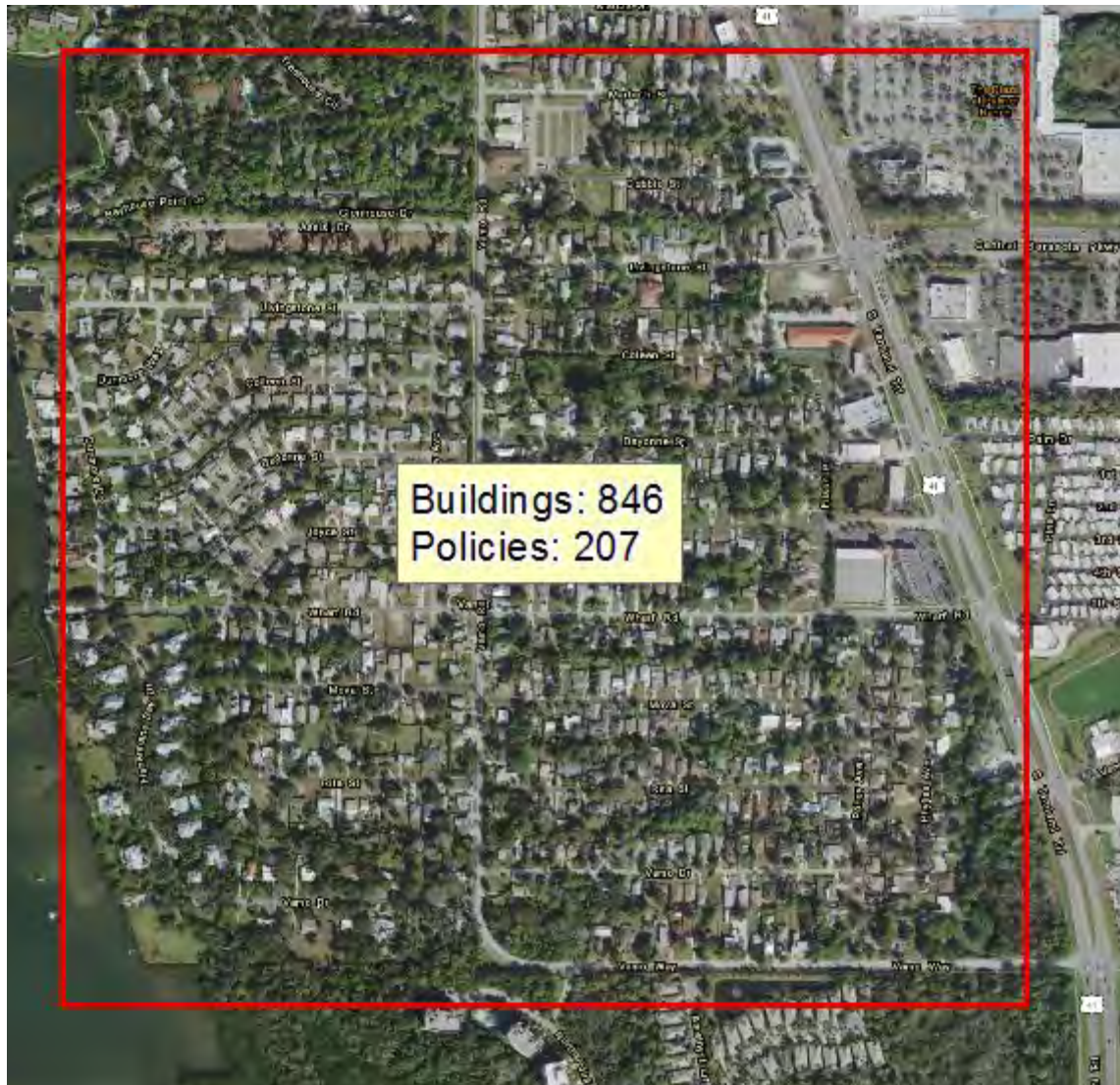


Figure 3-11 Potential Flood Insurance Coverage Improvement for Buildings - Area 5



Figure 3-12 Potential Flood Insurance Coverage Improvement for Buildings - Area 6



CURRENT PUBLIC INFORMATION EFFORTS

The PPI committee discussed ongoing efforts to prepare, implement and monitor a range of flood related public information activities. The PPI committee reviewed these projects to assess potential revisions to improve the messaging and its reach to the intended audiences. These activities included efforts initiated by the County as well as other agencies. These projects are described below.

FLOOD FLYER

The Communications Department developed a flood flyer to highlight the CRS topics. The flyer was developed with the objective of remaining simple, providing concise messaging and showing available resources and contact information. The flood flyer was previously advertised in the phone book, the Herald Tribune, and sent to municipalities within Sarasota County. Subjects covered in the flyer include flood risk information, building responsibly, flood insurance, flood safety, flood protection, and natural floodplain functions. The flood flyer was also translated into Spanish.

PROPERTY APPRAISER RECORDS

Committee members worked with the Property Appraiser to add flood information on the parcel records online. Users are now able to view their FIRM information, such as FIRM panel, Flood Zone, Floodway, Base Flood Elevation as well as other flood hazard areas identified through the County's watershed management plans. Property records also provide a link to the County's Flood Zone Locator website as well as contact information for the municipality in which the parcel is located.

FLOOD INFORMATION WORKSHOPS

Sarasota County currently conducts regular workshops throughout the County. These are general presentations with Q&A sessions for the public. The committee suggested that new locations should be identified for next year. In addition, there may be an opportunity for this committee to develop and incorporate more CRS messages. Subjects covered in the workshops include flood risk information and flood insurance.

PARKS FLYER

The County maintains over 140 parks throughout the county. They manage these natural resources to preserve the beneficial functions for the community, including natural floodplain functions, wildlife protection, water quality improvement and recreation. A listing of the County's parks is included in the Section 7 of the FMP (Natural Floodplain Functions). Flyers distributed for the County parks will contain flood-related information and messages. Subjects covered in the flyer include natural floodplain functions.

FLOOD PROTECTION WEBSITE

Sarasota County developed a flood protection website to provide valuable information to the public about their flood risk, ways to protect themselves, flood insurance, and resources that are available at the County. The website was recently revised to be consistent with the CRS priority subjects, including knowing your flood risk, building responsibly, buying flood insurance, flood safety, flood protection, and natural floodplain functions.

FLOOD ZONE LOCATOR WEBSITE

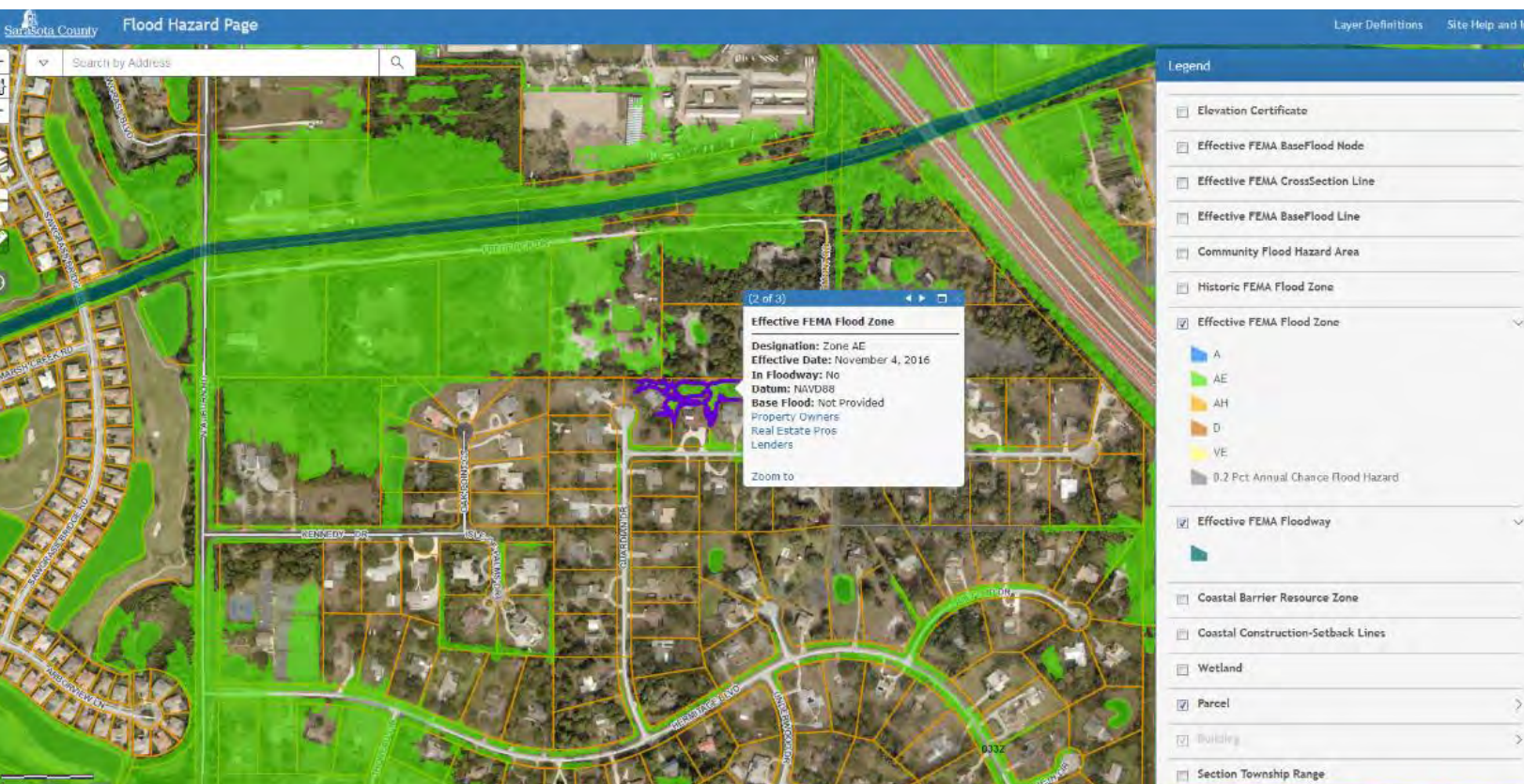
Sarasota County recently developed a web map application to provide flood risk information to users (Figure 3-13). The web map application allows users to search for their property using the map or by entering their address. The service provides the following information:

- Effective FEMA flood information (flood zone, floodway, FIRM panel, base flood elevation, etc.)
- Community Flood Hazard Areas –Flood risk areas identified by the watershed management plans
- Wetlands
- Parcel information
- Elevation certificates

FLOOD INFORMATION CALL CENTER

Sarasota County has a call center that serves as a clearinghouse for public inquiry, including questions about flood risk. Staff provides inquirers with FIRM information as well as direct callers to the right resources at the County, such as building officials, engineering or the CRS coordinator for flood insurance information.

Figure 3-13Sarasota County Online Flood Map



REAL ESTATE DISCLOSURE

The Florida Realtors organization has developed a Flood Insurance Notice notifying buyers about potential insurance requirements and encouraging them to consult with a flood insurance carrier to learn more about the flood risk for the property, availability of flood insurance, and current and future anticipated cost of flood insurance. Subjects covered in the notice include flood insurance.

Another initiative in this region is a project by Pinellas County who recently developed a real estate disclosure brochure and training program that informs potential buyers about what flood zone the property is in and if flood insurance is required. Realtor workshops were developed to train agents on using the online flood map information service and provide valuable information to their buyers. This same concept can be used to augment the information and services that the Florida Realtors organization already provides to their customers within Sarasota County and surrounding communities. Subjects covered in the brochure and training program include flood risk information, building responsibly, flood insurance, and flood protection.

COALITION OF CITY NEIGHBORHOOD ASSOCIATIONS

There is an annual presentation, usually in early May, given by the County's Emergency Operations Center. This year, notices were sent out to 43 neighborhood associations. Ed McCrane, who is a member of this PPI committee, usually presents on topics of emergency preparedness and can include flood-related topics in future presentations. Subjects covered in the presentations include flood safety and emergency preparedness.

4 TARGET AUDIENCES

The PPI committee identified target audiences, including residents and businesses for which outreach projects can be developed. Over 30,000 buildings are currently in the SFHA and more if we account for the flood risks identified through the County's watershed management plans and Repetitive Loss Areas Analysis. Residents and businesses in these areas should be aware of the flood risks and insurance options. In addition to the general residents identified for at-risk areas, each of the stakeholders also identified specific audiences they had direct contact with, and can provide valuable assistance for reaching those audiences. Table 4-1 describes the target audiences.

Table 4-1 Target Audiences

| Audience | | Description |
|----------|---|--|
| A | Residents and businesses in Repetitive Loss Areas | This audience should understand their surroundings and the likelihood of flood and insurance is strongly recommended. |
| B | Residents and businesses in the Special Flood Hazard Area | This audience should become aware of their high risk and insurance is strongly recommended and often required. |
| C | Residents and businesses in flood-prone areas | This audience should become aware of their high risk and insurance is strongly recommended. |
| D | Residents and businesses in the storm surge area | This audience should become aware of their high risk and insurance is strongly recommended. |
| E | Residents and businesses in moderate to low risk flood areas (Shaded X zones) | This audience should understand that although they are not in high-risk areas, there is still a potential to flood and insurance is recommended. These areas submit over 20% of NFIP claims and receive one-third of disaster assistance for flooding. |
| F | Community Association Institute (SWFL Chapter) | Membership includes condominium, cooperative, and homeowner associations. |
| G | Home Owners Associations | Associations can educate their constituents about flood risk, building properly and insurance. |
| H | Mobile Homes Associations | Associations can educate their constituents about flood risk and insurance. |
| I | Condo Owners Associations | Associations can educate their constituents about flood risk and insurance. |
| J | Real Estate Professionals | These professionals are in contact with clients that are purchasing or renting properties. They will benefit from flood related outreach, and may relay information to their clients. |
| K | Real Estate Buyers | Individuals purchasing or renting property should be made aware of their flood risk and insurance options. |
| L | Insurance Agents | These professionals are in contact with clients that are purchasing or renting properties. They will benefit from flood related outreach, and may relay information to their clients. |
| M | Lenders | These professionals are in contact with clients that are purchasing or renting properties. They will benefit from flood related outreach, and may relay information to their clients. |
| N | Mortgage Brokers Association | These professionals have direct contact with homebuyers. |

| | | |
|----------|---|--|
| O | Speakers of Other Languages | Informational material should be made available in languages other than English. |
| P | Building Contractors and Developers | This audience should be kept apprised of floodplain regulations and available County Services. They are also in the position to communicate information about building with flood risk in mind to their clients. |
| Q | Surveyors | Surveyors need to receive updated information about elevation certificates. |
| R | Architects and/or Designers | Professions responsible for design of homes should be aware of flood risks and insurance requirements. |
| S | County leaders and/or Commissioners; Barrier Island Elected Officials | Leaders that can champion the outreach efforts and may have direct input for funding projects. |
| T | Youth Ages K-8 | This sector provides educational opportunities about flood risks. |

5 MESSAGES AND OUTCOMES

The PPI committee developed key messages and intended outcomes consistent with the CRS topics, as well as additional specific messages tailored to certain audiences. Topics included the six themes that recur throughout the CRS manual: know your flood hazard; insure your property for your flood hazard; protect people from the hazard; protect your property from the hazard; build responsibly; and protect natural floodplain functions. The committee also identified additional topics that are specific to the needs of the communities in this region. These additional topics include hurricane preparedness, flood economics, and sea level rise.

Specific objectives were also developed for certain audiences. These objectives were identified as unmet needs by the stakeholders as they relate to their respective professions. The objectives address issues often encountered during their interactions with clients, organizations, consumers and others. Specific objectives included:

- Architects and designers – Educate buyers about designs that will not increase insurance costs.
- County leaders and/or Commissioners; Barrier Island Elected Officials – Educate this audience about flood risks and encourage flood insurance; Encourage consistent and programmatic approach to educate residents about flood risks.
- Home builders/developers –Think about long-term costs - why build low instead of high?; Educate this audience about code requirements (including zoning) vs FEMA requirements vs risk; Look at rating class options.
- Community Association Institute (West Florida Chapter) – Provide information about flood risk topics and resources available at the county.
- Mortgage brokers association – Provide information about flood risk topics and resources available at the county.
- Chamber of Commerce – Provide information about flood risk topics and resources available at the county.
- Schools – Provide education materials about flood risk.
- Consumers – Educate consumers to ask the right questions of builders. Know that savings may offset extra construction costs; Do not let flood insurance policy lapse; Understand map changes before they happen and save; Risk is not ID'ed on a map; Know the sources of information related to flood risk, including existing highwater marks.
- Homebuyers and realtors – Educate buyers and realtors to ask or relay information about flood risk.
- Homeowners associations – Use Email lists to relay information about flood risk topics.
- Utility customers – Provide information about flood risk topics and available resources in utility bill inserts. Information should be short and concise.
- Mobile homes and condominium owners associations – Often, these audiences are at increased risk. Email and/or provide informational brochures to educate these audiences about flood risk topics.

Guided by the topics and objectives above, the PPI committee developed the following key messages and outcomes.

TOPIC 1: KNOW YOUR FLOOD HAZARD

In Sarasota County, flooding and other drainage problems can result after several inches of rain in a short period of time or after several days of continued rain. Certain areas within Sarasota County are classified as high flood risk areas. In addition to the flood risk areas identified on the FEMA maps, Sarasota County has also delineated other areas that are at risk for flooding that were identified through their watershed management plans. Residents and property owners need to be aware of the flood risks in their area.

KEY MESSAGES

“Find out what flood risks are in your area.”

OUTCOMES

- Better prepared and informed residents and businesses.
- Informed property owners and buyers.

TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD

Property owners in Sarasota County should take measures to protect their investment, including purchasing flood insurance. For some homeowners, flood insurance may be required if the property is located in a Special Flood Hazard Area (SFHA) and they have a government-backed loan such as a Federal Housing Administration (FHA) or Department of Veterans Affairs (VA) loan. Property owners should also be aware that even though their property may not be in a SFHA, it may still be subject to flooding and that most homeowner's insurance do not cover flood. Homeowners who have flood insurance often recover quicker from a flooding event than those without flood insurance.

KEY MESSAGES

“Purchase flood insurance for your home or business.” Even if your home is not located in a designated SFHA that may require flood insurance, you may still be at risk for flooding.

“Purchase flood insurance for your rental.” Most renter's insurance policies do not cover damage caused by floods. Flood insurance is available for your valuables even if you rent.

OUTCOMES

- Increased number of flood insurance policies.
- Faster recovery from flooding event.

TOPIC 3: PROTECT PEOPLE FROM FLOOD HAZARD

Floods can occur quickly and people should be prepared. There are certain steps that people can take before, during and after a storm that will help protect themselves and their family, and minimize damage to their properties. Several resources can help them prepare, including preparation guides and automated alert systems.

KEY MESSAGES

“Turn around, don’t drown.” Avoid areas already flooded, especially if the water is flowing fast. Do not attempt to cross flowing streams or flooded roadways.

“Stay connected.” Sign up for the County’s CodeRED notification system, social media and be aware of the local news channel and radio stations for weather related emergencies.

“Get a plan.” Make a plan for emergencies involving floods, hurricanes and other natural disasters. Plan for evacuation routes, locations for high ground, food, water, shelter, and emergency supplies. Include preparations for pets.

OUTCOMES

- Save lives.

TOPIC 4: PROTECT YOUR PROPERTY FROM FLOOD HAZARD

Approximately 30,000 structures in Sarasota County were built before there were flood regulations or flood maps (prior to December 1971, these structures are called “Pre-FIRM”). If they are in a high-risk flood zone, these structures are the most vulnerable to flood risks. There are certain measures that can be taken when constructing or improving a home to reduce the risk of flood damage. They include modifications to the structures themselves as well as other types of activities that do not include the structure, such as keeping drainage ditches clean and inlets clear of debris.

KEY MESSAGES

“Keep debris out of driveway culverts and ditches, and maintain your drainage swales (Only Rain Down the Drain).”

“Elevate your equipment and/or utilities.”

OUTCOMES

- Reduced localized flooding.
- Reduced flood insurance claims.

TOPIC 5: BUILD RESPONSIBLY

Sarasota County enforces specific building regulations in the SFHA to protect people and buildings from flooding while maintaining natural floodplain functions. In addition to these areas, the County also enforces certain regulations in Community Flood Hazard Areas (CFHA) that they have identified through their own watershed management plans and field investigations. Builders should contact Sarasota County to find out what permits are required before starting the project.

KEY MESSAGES

“Get required permits before you start any home repair, improvement, or construction.”

“Be aware of substantial improvements rule.”

OUTCOMES

- Increased compliance

- Reduced flood losses.

TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS

Increased development has led to increased stormwater runoff and resulted in flooding in many areas. However, there are areas that naturally flood and benefit our community. Areas such as wetlands, preserves, and other types of floodplains perform many natural functions and provide recreational benefits in the community. Residents and developers should be aware of these benefits and are encouraged to protect these resources and incorporate natural designs.

KEY MESSAGES

“Use Low Impact Development (LID), such as rain barrels, bioretention systems, green roofs, pervious materials, and non-invasive vegetation on your property.”

“Build with conservation in mind; incorporate natural systems into designs.”

OUTCOMES

- Improvement in water quality.
- Improvement in natural storage capacity.

TOPIC 7: HURRICANE PREPAREDNESS

Hurricane season starts in June and runs through November with the worst months being from late August until October. Residents should assess their risks and know their home's vulnerability to storm surge, flooding and wind. People should develop a plan for protecting themselves, their pets and their homes. Residents need to be aware of the evacuation zones and heed evacuation orders.

KEY MESSAGES

“Make a plan.”

OUTCOMES

- More residents evacuating when necessary.
- Minimized loss of life and injury.
- Minimized damage to property and belongings.

TOPIC 8: FLOOD ECONOMICS

Making homes and infrastructure more flood-proof provides positive economic, environmental, and social benefits for communities. Residents should be aware of the potential costs related to damage from flood. Communities should build with the future in mind, providing benefits that include minimizing loss of property and infrastructure, enhancing the natural systems and improving public spaces to attract businesses and recreational enthusiasts.

KEY MESSAGES

“Build with the future in mind.” Consider projects that take into account the future flood conditions and enhance the natural systems.

OUTCOMES

- Improvement in building standards.
- Reduced loss of property.
- Reduced number of claims.

TOPIC 9: SEA LEVEL RISE

Being on the coast of the Gulf of Mexico, Sarasota County is very susceptible to the potential impacts of Sea Level Rise (SLR). Not only will projected increases in sea level affect homes and infrastructure along the coast of Sarasota County, but more frequent inland flooding can occur due to high tailwater conditions that can diminish the stormwater system capacity to send runoff to the Gulf.

KEY MESSAGES

“Reduce your exposure to effects of SLR.” Increased exposure to flooding in our low-lying coastal and inland areas may threaten our quality of life.

OUTCOMES

- Increased awareness and planning.
- Reduced impact to life, property, health and safety.
- Reduced impact to economy.

6 PROGRAM FOR PUBLIC INFORMATION (PPI) PROJECTS

The PPI committee evaluated existing outreach projects to determine whether they can be improved as well as identified new projects to increase flood awareness and educate residents about the resources available at the County. The committee reviewed the following projects, and the list will continue to grow with future meetings and stakeholder input.

OUTREACH PROJECTS

Flood Flyer – The committee continues to evaluate and refine the flood flyer that is distributed to the public via print and online.

Property Appraiser Flood Information – Sarasota County GIS staff worked with the Property Appraiser to develop GIS information that can be queried through the property appraiser website. The flood risk information is part of the parcel data that is available to the public.

Flood Information Storymap – Sarasota County is currently developing an Esri Storymap as a resource for the public to be able to find information relating to flood risks in their area, download Elevation Certificates, learn about natural floodplain functions, and other information that will help them better prepare for flood hazards.

Repetitive Loss Property / Repetitive Loss Area Letter – Sarasota County sends out letters to repetitive loss properties and other properties located in a repetitive loss area (as determined from analysis of repetitive loss properties) to inform homeowners about flood risks. The letter also informs residents about what they can do to protect themselves and minimize property damage, and the resources that are available from the County, state, and federal agencies.

Flood Awareness Week – Sarasota County and the PPI committee are coordinating with the Florida Floodplain Managers Association, local municipalities, the Sarasota Bay Estuary Program, and FEMA to formulate consistent messages to educate the public about flood risks and ways to protect themselves and their property. These messages will go out to conference attendees, social media and other media outlets during Flood Awareness Week.

Flood Information Workshops – Sarasota County conducts regular workshops throughout the County. There is an opportunity for the PPI committee to develop and incorporate more CRS messages. Subjects covered in the workshops include flood risk information and flood insurance.

Hazard Disclosure - Real estate agencies are represented on the committee and their disclosure practice and information brochures are reviewed by the PPI committee. The real estate agents will disseminate the messages developed through this committee, including providing a brochure or the flood flyer to potential buyers.

Flood Protection Information – The PPI committee will review the County's website to be sure additional messages (above the six general topics) and flood warning messages are coordinated with other warning messages. This project will also add specific pages regarding flood-related hazards for Sea Level Rise and flood economics. **The PPI committee discussed additional messages, including topics for hurricane preparedness, flood economics, and sea level rise.**

Coastal Erosion Map – Sarasota County developed a coastal erosion map that will be published on their flood map website. The information will be used to disclosed coastal erosion hazards to the public and planning agencies.

Flood Protection Assistance – The PPI committee will review the County’s property protection advice (PPA), property advice provided after a site visit (PPV), and financial assistance advice (FAA) procedures. The committee will also review ways to publicize the County’s services for PPA, PPV and FAA.

Open Space Preservation – The PPI committee will review educational materials (brochures, signs, field trips, etc.) in open space areas that also have identified natural floodplain functions.

Drainage System Maintenance – The PPI committee will review the messages for regulations prohibiting dumping in streams and ditches currently on the County’s website and flood flyer.

Social Media – Sarasota County maintains Facebook, Twitter and Instagram pages to inform the public about various topics, including flood related issues. These platforms present a great opportunity to relay information about flood risks and get the messages out. These platforms can be used during regular operations as well as distribute important safety information during a hazard event.

Each of the projects above were developed to deliver messages associated with one or more of the flood topics identified in Section 5 (Messages and Outcomes). Table 6-1 describes the flood topics that are covered by each project.

Table 6-1 Flood Topics Covered by PPI Projects

| Project | Know your flood hazard | Insure your property for your flood hazard | Protect people from the flood hazard | Protect your property from flood hazard | Build responsibly | Protect natural floodplain functions | Hurricane preparedness | Flood Economics | Sea Level Rise |
|---|------------------------|--|--------------------------------------|---|-------------------|--------------------------------------|------------------------|-----------------|----------------|
| Flood Flyer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Property Appraiser Flood Information | ✓ | | | | | | | | |
| Flood Information Storymap | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Repetitive Loss Property / Repetitive Loss Area Letter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Coastal Erosion Map | ✓ | | | | ✓ | ✓ | | ✓ | |
| Flood Awareness Week | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Flood Information Workshops | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Hazard Disclosure | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| Flood Protection Information | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Flood Protection Assistance | ✓ | ✓ | | ✓ | ✓ | ✓ | | | |

| | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|
| Open Space Preservation | | | | | | ✓ | | | |
| Drainage System Maintenance | | | | ✓ | | | | | |
| Social Media | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Specific information about each project, including the audience, specific messages and outcomes, distribution methods, stakeholders, and assigned staff are provided in Appendix A. In addition to the messages and outcomes, the committee also recognized that there needs to be a way to measure the success of these projects and came up with possible indicators for the effectiveness of these messages. These indicators are also included in the project descriptions in Appendix A.

DISTRIBUTION METHODS

Sarasota County uses several methods to publicize the flood information and the services that the County offers. These methods include advertising in newspapers, websites, social media, utility bill inserts, flyers and brochures, and presentations to the public. Certain methods are more costly than others, while others may be more effective in publicizing the information. The publicity and distribution methods for each project will depend on the type of project, how much information needs to be included, cost of implementation, and target audience. Direct mail that includes too much information can be lost to the audience and ultimately thrown in the trash – especially if that mail is accompanied by other advertisements and clippings often included in our daily mail these days. This method is also costly.

Today, most people are using the internet get their news. Traditional sources of information like newspapers or magazines have declined in use over the last decade. According to a recent article by Aaron Smith (*Older Adults and Technology Use*, 2014) describing the recent study by the Pew Research Center, even the older population (i.e., seniors) are increasingly turning to the internet for information. Other studies have shown that the internet is more popular than newspapers and radio as a news source, ranking just behind TV. Americans today routinely get their news from multiple sources and a mix of platforms. Nine in ten American adults (92%) get news from multiple platforms on a typical day, with half of those using four to six platforms daily according to a 2010 article by Kristen Purcell, Lee Rainie, Amy Mitchell, Tom Rosenstiel and Kenneth Olmstead titled *Understanding the Participatory News Consumer*.

Although Sarasota County does use the direct mail method, the preferred method would:

- minimize the probability of information being discarded
- increase the frequency of distribution
- minimize cost so that resources can be used to increase frequency of distribution and/or provide for multiple distribution methods instead

Based on the criteria above and recent trends in technologies, the PPI committee concluded that the most effective way to reach the community is through a combination of communication tools, including:

- Sarasota County Flood Information Website
- Sarasota County Social Media (Facebook and Twitter)
- Email blasts to neighborhood associations
- Utility bill newsletter

- Informational kiosks and events throughout the County
- Direct mail to select target audiences
- Flood and hurricane information events
- Newspaper advertising
- Television crawls

FLOOD RESPONSE PROJECTS

The Sarasota County Flood Warning and Response Plan (FWRP) establishes a framework through which Sarasota County may prepare for, respond to, and recover from saltwater or freshwater flooding conditions. Part of the FWRP's goal is to develop messages and dissemination tools centered on flood warning and response. They were prepared in advance, and will not be delivered until a flood is impending or occurs. The PPI committee has reviewed several of the flood response messages as part of developing the Flood Information Storymap outreach project. The committee will continue to review the other flood response messages and dissemination methods to ensure that the messages are concise and delivered in the most effective and efficient manner. Dissemination methods include:

- Media releases
- Access Sarasota TV Crawls
- Web / Social Media
- Contact Center
- Email/Constant Contact
- Sarasota County Website
- CodeRed
- Emergency Alert System (EAS)
- Wireless Emergency Alerts (WEA)
- Door Hangers
- FEMA Flood Insurance Claims Handbook
- Build Back Safer and Stronger brochure
- FEMA After the Flood Flyer
- ICC Flood Cleanup Brochure
- Filing Your Flood Insurance Claim Flyer

Attachment 2 contains the Flood Warning and Response messages reviewed.

EXAMINATION OF OTHER PUBLIC INFORMATION INITIATIVES

The PPI committee looked at other public information activities in addition to outreach projects. This included how best to set up a website on flood protection (CRS Activity 350). In addition to the six priority CRS topics, Sarasota County will include on their flood protection website information relating to hurricane preparedness, flood economics and Sea Level Rise. The County will also provide links to real-time gage data and post elevation certificates on their website.

The PPI committee also examined the types of technical assistance that are needed throughout the community and the best ways to publicize these flood protection services (CRS Activities 320, 350 and 360). As a result, the County's flood protection website will list specific methods that can be used to protect a property or home. In addition, these services and contact information for these services will be listed on the flood flyers, county websites and advertisements in newspapers, television crawls, and social media. Resources for technical assistance will also be described and listed in letters sent to repetitive loss properties and other properties located in repetitive loss areas.

Projects developed through the PPI committee will ultimately enhance the County's CRS. Projects that can be related back to creditable activities in the CRS include:

ACTIVITY 320 – MAP INFORMATION SERVICE

Property Appraiser Flood Information – This project provides valuable FIRM information to the public pertaining to the parcel of interest. This service is made available online and links to the County's web map service, which is publicized on a brochure. The brochure will be distributed annually through several media outlets.

Flood Information Storymap – The Storymap provides FIRM information, access to available elevation certificates, and other hazard information. This will improve the County's ability to query and distribute the information the public. This service will be made available online and will be linked to the County's web map service, which is publicized on a brochure will be distributed annually through several media outlets.

ACTIVITY 340 – HAZARD DISCLOSURE

Hazard Disclosure Project – Real estate professionals will have access to the County's flood information tools and provide valuable FIRM information to potential buyers. The committee discussed ways to disseminate the flood risks to potential buyers and reviewed several disclosure forms and brochures, which realtors will provide to potential buyers. The committee reviewed a brochure developed and used by other communities that may be used to help develop a similar one for Sarasota County. Outreach can also be performed through realtor organizations for training on what resources are available at the county. Real estate professionals are contacted at least annually and representatives are members of this PPI committee.

ACTIVITY 350 – FLOOD PROTECTION INFORMATION

Flood Protection Information Website – The PPI committee will review the County's website to be sure additional messages (above the six general topics) and flood warning messages are coordinated with other warning messages. The committee decided to add 3 additional topics. These topics included:

- Hurricane preparedness
- Flood economics
- Sea Level Rise

The committee discussed several messages to convey to the public with regards to the three topics and decided on the appropriate messages as discussed in Section 5. The flood protection website will be publicized via a brochure that will be distributed annually through several media outlets.

Flood Information Storymap – The Storymap enhances the County’s existing flood protection information website by providing FIRM information, access to available elevation certificates, and other hazard information that is much easier to understand. This service will be made available online and will be linked to the County’s web map service, which is publicized on a brochure. The brochure will be distributed annually through several media outlets.

ACTIVITY 360 – FLOOD PROTECTION ASSISTANCE

Flood Protection Assistance – The PPI committee will review the County’s property protection advice (PPA), property advice provided after a site visit (PPV), and financial assistance advice (FAA) procedures. The committee will also review ways to publicize the County’s services for PPA, PPV and FAA on an annual basis.

Repetitive Loss Property / Repetitive Loss Area Letter – The committee will review the current repetitive loss property/areas letters to identify improvements that can be made to disseminate information about flood protection assistance services that the County offers. The letter is sent out annually to property owners.

ACTIVITY 370 – FLOOD INSURANCE PROMOTION

Flood Information Storymap – Sarasota County performed a flood insurance coverage assessment to determine the level of coverage and needs. The County promotes flood insurance through its flood workshops. The PPI committee also developed messages to promote flood insurance and these messages were incorporated into the County’s Flood Information Storymap.

ACTIVITY 540 – DRAINAGE SYSTEM MAINTENANCE

Drainage System Maintenance – The PPI committee will review and suggest improvements to the messages for regulations prohibiting dumping in streams and ditches currently on the County’s website and flood flyer that is distributed annually to media outlets and at events.

7 IMPLEMENTATION, MONITORING AND EVALUATION

The PPI committee meets quarterly to implement, monitor and evaluate the progress of the projects. The committee evaluates each project's effectiveness and revises the project as necessary to achieve the desired goals. The project sheets (Appendix A) are updated as necessary to reflect changes to the status or implementation of the projects. The PPI committee develops an annual evaluation noting the status of existing projects and/or provide information on new initiatives. The annual evaluation will be incorporated into the PPI report, which will serve as a living document that is updated on an annual basis. Table 7-1 summarizes the status of the PPI projects.

Each year the updated PPI is approved by the committee and submitted to the Sarasota County Board of Commissioners.

Table 7-1 Status of PPI Projects

| Project | Status | Last Updated |
|---|---|--------------|
| Flood Flyer | Completed; Developed in both English and Spanish. | October 2017 |
| Property Appraiser Flood Information | Completed; Under review for possible revisions to include link to the appropriate sections of the flood protection information website. | January 2018 |
| Flood Information Storymap | In-progress; Site developed in testing environment; Currently being reviewed by the PPI committee. | May 2018 |
| Repetitive Loss Property / Repetitive Loss Area Letter | In-progress; Will be reviewed by the PPI committee. | May 2018 |
| Coastal Erosion Map | Completed coastal erosion mapping that will be published on the flood map website. | May 2018 |
| Flood Awareness Week | In-progress; Coordinating with FFMA and FEMA for consistent messaging. | May 2018 |
| Flood Information Workshops | On-going; PPI committee will review additional information to present at workshops. | May 2018 |
| Hazard Disclosure | On-going. Reviewing disclosure brochures and other ways to disseminate information to potential buyers. | May 2018 |
| Flood Protection Information | Complete; Site currently under development by USF. | July 2018 |
| Flood Protection Assistance | In-progress; Messages and contact information being incorporated into flood | May 2018 |

| Project | Status | Last Updated |
|------------------------------------|--|--------------|
| | flyer, Storymap and flood protection website; PPI committee will review target audience for messaging (i.e., Repetitive loss properties and areas). Committee will review procedures for providing services for property protection and financial assistance advisory. | |
| Open Space Preservation | Not started | May 2018 |
| Drainage System Maintenance | In-progress; Messages incorporated into other project initiatives. | May 2018 |
| Social Media | On-going; Will review messages for Flood Awareness Week. | May 2018 |

8 PPI ADOPTION

The Sarasota County PPI was adopted by the Sarasota County Board of Commissioners on MMMM D, YYYY. The PPI committee submits an annual update to the board.

APPENDIX A

PPI Projects

ATTACHMENT 1

PPI Meeting Minutes

ATTACHMENT 2

Flood Warning and Response Messages

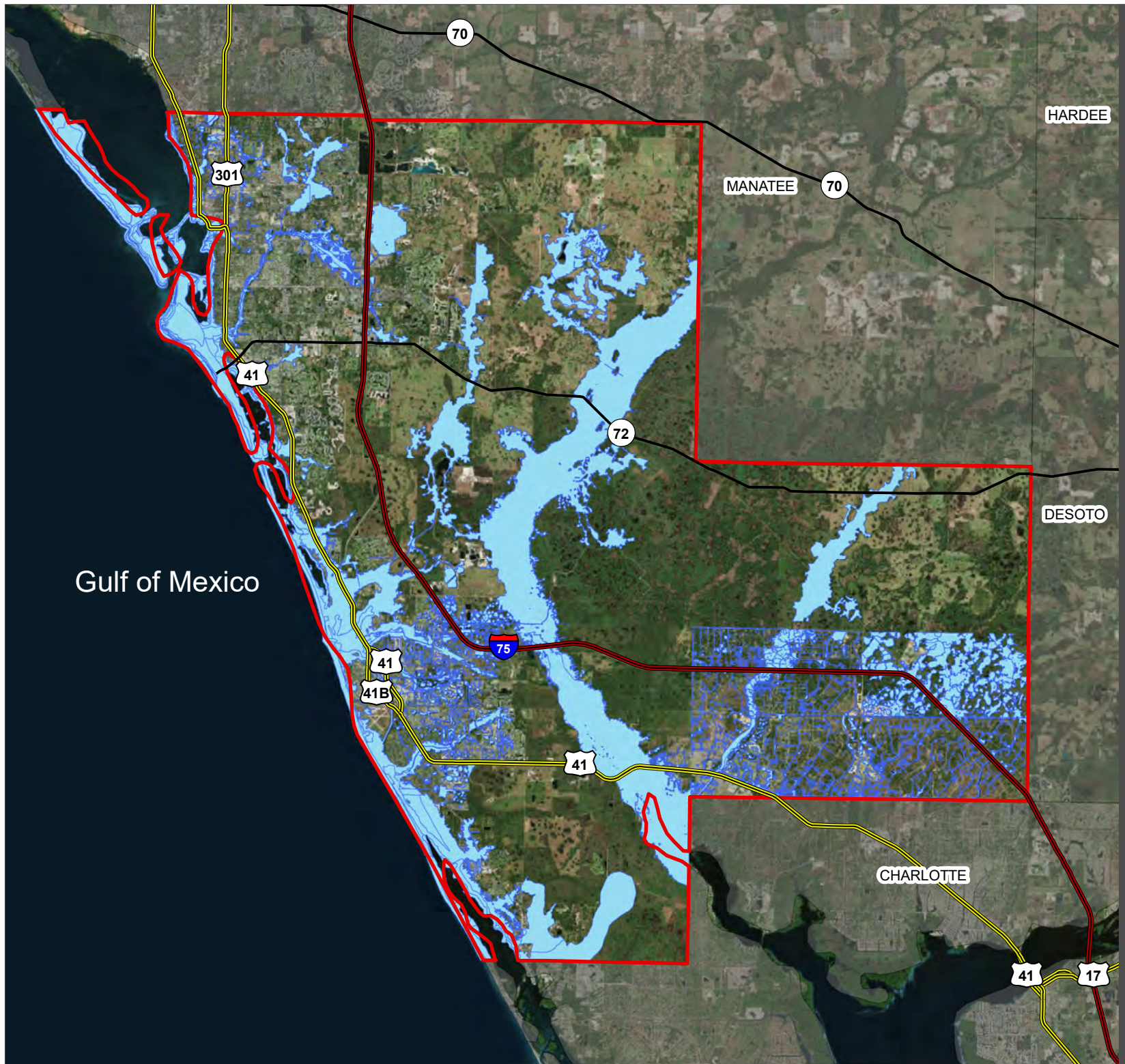
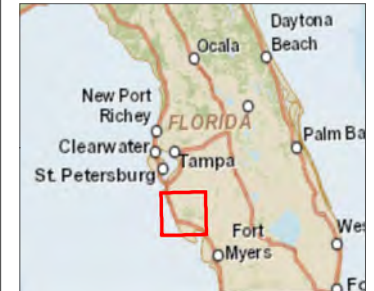


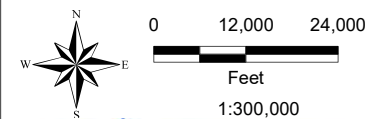


Figure 3-1
Special Flood Hazard
Areas within Sarasota
County

**Sarasota County Program
for Public Information**



-  Sarasota
Boundary
-  Special Flood
Hazard Area



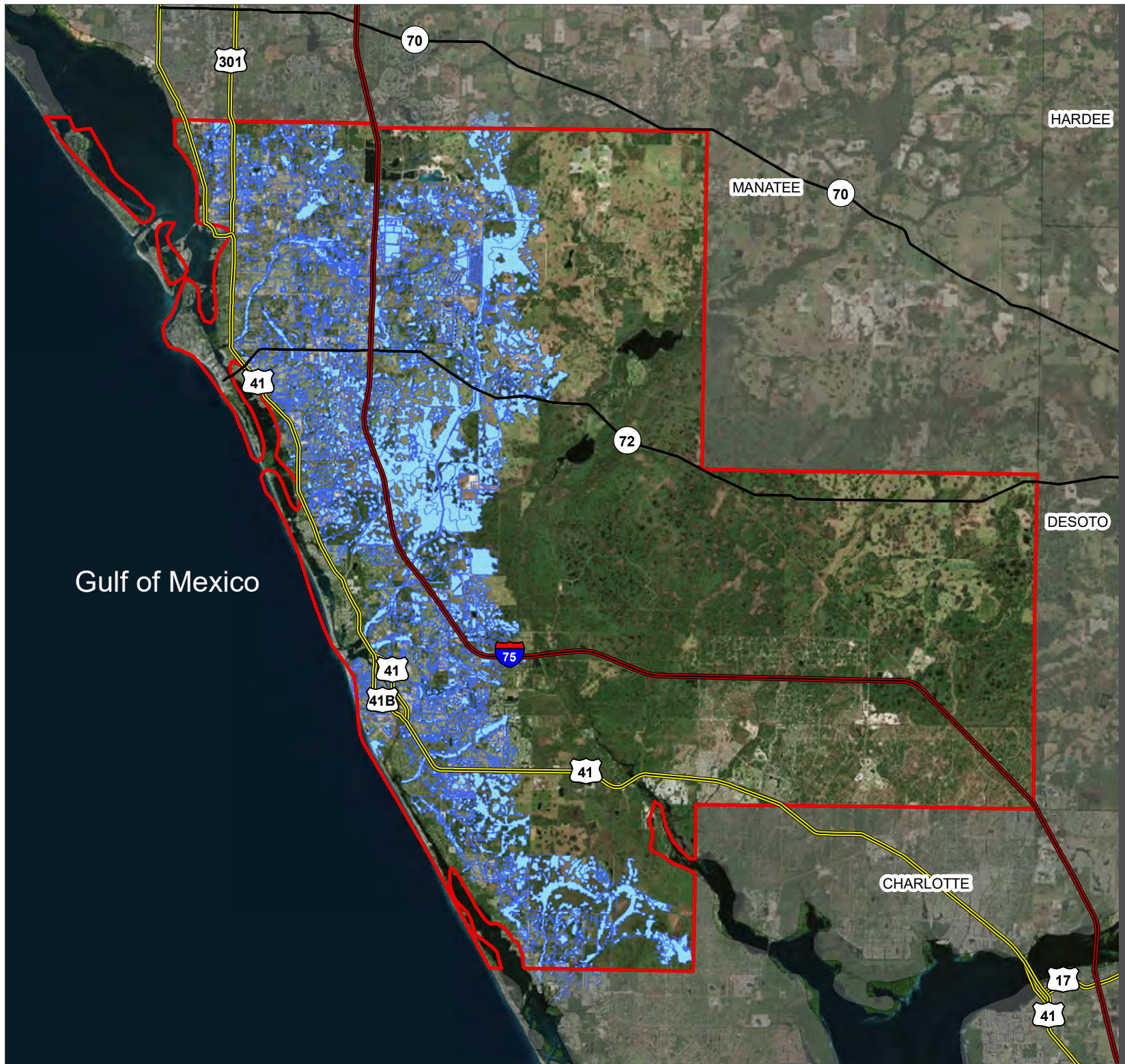
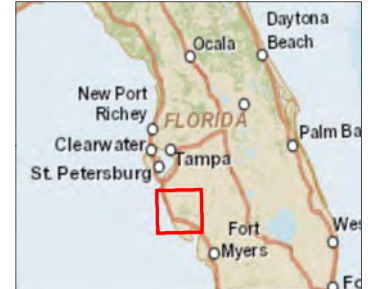


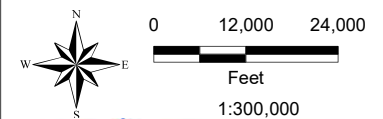


Figure 3-2
Sarasota County
Community Flood Hazard
Areas

**Sarasota County Program
for Public Information**



-  Sarasota Boundary
-  Community Flood Hazard Area



OUTREACH PROJECT - SARASOTA COUNTY COASTAL EROSION MAPPING

| | |
|--|--|
| PROJECT DESCRIPTION | Coastal Erosion / Mean High Water Mark Mapping Application. |
| WHEN WILL THIS PROJECT BE IMPLEMENTED? | Begin Date: 08/2016 End Date: April 2018 |
| WHO IS THE TARGET AUDIENCE? | Coastal Residential & Commercial Property Owners, Buyers, Developers |
| WHAT CRS TOPICS ARE COVERED? | <input checked="" type="checkbox"/> TOPIC 1: KNOW YOUR FLOOD HAZARD <input type="checkbox"/> TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 3: PROTECT PEOPLE FROM THE FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 4: PROTECT YOUR PROPERTY FROM FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 5: BUILD RESPONSIBLY <input checked="" type="checkbox"/> TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS <input type="checkbox"/> TOPIC 7: HURRICANE PREPAREDNESS <input type="checkbox"/> TOPIC 8: FLOOD ECONOMICS <input type="checkbox"/> TOPIC 9: SEA LEVEL RISE |
| WHAT ARE THE MESSAGES? | A1; E1; E2; F3; H2 |
| WHAT ARE THE OUTCOMES? | A1; c1; d2; e1; h1; h2; h3; i1; i2; i3 |
| WHO IS RESPONSIBLE FOR THE PROJECT? | Donna Bailey, CFM CRS Specialist Sarasota County Government 1001 Sarasota Center Blvd. Sarasota, FL 34240 941-861-0917 (office); 941-525-8915 (cell) Email: dabailey@scgov.net |
| HOW WILL THIS PROJECT BE DISTRIBUTED? | Website – GIS maps |
| ARE THERE RELATED CRS ACTIVITIES? | 320 – MI5 |

| | |
|--|--|
| WHAT STAKEHOLDERS ARE INVOLVED? | |
| WHICH JURISDICTIONS ARE INVOLVED IN THIS PROJECT? | <ul style="list-style-type: none"> - Sarasota County - City of Sarasota - Town of Longboat Key - City of Venice |
| WHAT ARE THE POSSIBLE SUCCESS INDICATORS? | <ul style="list-style-type: none"> - Reduced loss of property - Reduced number of claims - Reduced compliance issues - |
| WHAT IS THE PROJECT STATUS? | 2018 Ongoing |

OUTREACH PROJECT - SARASOTA COUNTY FLOOD AWARENESS WEEK

| | |
|--|--|
| PROJECT DESCRIPTION | Sarasota County Flood Awareness Week |
| WHEN WILL THIS PROJECT BE IMPLEMENTED? | Begin Date: April 2018 End Date: Annually |
| WHO IS THE TARGET AUDIENCE? | ALL residents |
| WHAT CRS TOPICS ARE COVERED? | <input checked="" type="checkbox"/> TOPIC 1: KNOW YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 3: PROTECT PEOPLE FROM THE FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 4: PROTECT YOUR PROPERTY FROM FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 5: BUILD RESPONSIBLY <input checked="" type="checkbox"/> TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS <input checked="" type="checkbox"/> TOPIC 7: HURRICANE PREPAREDNESS <input checked="" type="checkbox"/> TOPIC 8: FLOOD ECONOMICS <input checked="" type="checkbox"/> TOPIC 9: SEA LEVEL RISE |
| WHAT ARE THE MESSAGES? | A1, B1, C1, C2, D1, D2, E1, E2, F1, F2, F3, G1, G2, G3, H1, H2, H3, I1 |
| WHAT ARE THE OUTCOMES? | A1, b1, c1, d1, d2, e1, f1, g1, g2, h1, h2, h3, i1, i2, i3 |
| WHO IS RESPONSIBLE FOR THE PROJECT? | Donna Bailey, CFM CRS Specialist Sarasota County Government 1001 Sarasota Center Blvd. Sarasota, FL 34240 941-861-0917 (office); 941-525-8915 (cell) Email: dabailey@scgov.net |
| HOW WILL THIS PROJECT BE DISTRIBUTED? | - Through social media online, through local events |
| ARE THERE RELATED CRS ACTIVITIES? | 330 – outreach 540 – Publicity 610 - Publicity |

| | |
|--|--|
| WHAT STAKEHOLDERS ARE INVOLVED? | |
| WHICH JURISDICTIONS ARE INVOLVED IN THIS PROJECT? | <ul style="list-style-type: none"> - Sarasota County - City of Sarasota - Town of Longboat Key - City of North Port - City of Venice |
| WHAT ARE THE POSSIBLE SUCCESS INDICATORS? | <ul style="list-style-type: none"> - Increased number of FEMA policies - Better prepared and informed residents and businesses - Reduced loss of property - Reduced number of claims - Better water quality |
| WHAT IS THE PROJECT STATUS? | MAY 2018 The project is complete |

OUTREACH PROJECT - SARASOTA COUNTY FLOOD FLYER ENGLISH

| | |
|--|---|
| PROJECT DESCRIPTION | The Communications Department developed a flood flyer to highlight the CRS topics. The flyer was developed with the objective of remaining simple, providing concise messaging and showing available resources and contact information. The flood flyer was previously advertised in the phone book, the Herald Tribune, and sent to municipalities within Sarasota County. Subjects covered in the flyer include flood risk information, building responsibly, flood insurance, flood safety, flood protection, and natural floodplain functions. |
| WHEN WILL THIS PROJECT BE IMPLEMENTED? | Begin Date: October, 2017 End Date: Ongoing |
| WHO IS THE TARGET AUDIENCE? | All residents |
| WHAT CRS TOPICS ARE COVERED? | <input checked="" type="checkbox"/> TOPIC 1: KNOW YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 3: PROTECT PEOPLE FROM THE FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 4: PROTECT YOUR PROPERTY FROM FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 5: BUILD RESPONSIBLY <input checked="" type="checkbox"/> TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS <input type="checkbox"/> TOPIC 7: HURRICANE PREPAREDNESS <input type="checkbox"/> TOPIC 8: FLOOD ECONOMICS <input type="checkbox"/> TOPIC 9: SEA LEVEL RISE |
| WHAT ARE THE MESSAGES? | A1, B1, C1, C2, D1, D2, E1, E2, F1, G1, G2 |
| WHAT ARE THE OUTCOMES? | a1, b1, c1, d1, d2, e1, f1, g1, g2 |
| WHO IS RESPONSIBLE FOR THE PROJECT? | Donna Bailey, CFM CRS Specialist Sarasota County Government 1001 Sarasota Center Blvd. Sarasota, FL 34240 941-861-0917 (office); 941-525-8915 (cell) Email: dabailey@scgov.net |
| HOW WILL THIS PROJECT BE DISTRIBUTED? | <ul style="list-style-type: none"> - Advertise in phone book, once/year - Publish in Herald Tribune, once/year - Send to municipalities, once/year - Online |

ARE THERE RELATED
CRS ACTIVITIES?

320 – This flyer helps to publicize the County’s Map Information Service in which the committee determined what map information to provide.

360 – Flyer publicizes the County’s flood protection services, including providing property protection advice (PPA) and site visits (PPV).

370 – Flyer advises people to buy flood insurance.

540 – Flyer encourages residents to keep swales and drainage ditches clear of debris to ensure water flow, and publicizes the County’s flood protection website to learn more about maintaining drainage systems.

610 – Flyer publicizes the radio stations for emergency content and encourages residents to stay safe. Publicizes and reinforce the Turn around, don’t drown campaign.

WHAT
STAKEHOLDERS ARE
INVOLVED?

Lenders, Realtors, Insurance Agents

WHICH
JURISDICTIONS ARE
INVOLVED IN THIS
PROJECT?

- Sarasota County
- City of Sarasota
- Town of Longboat Key
- City of North Port
- City of Venice

WHAT ARE THE
POSSIBLE SUCCESS
INDICATORS?

- Increased web traffic
- Increased number of FEMA policies
- Increased subscribers to County’s alert system and social media

WHAT IS THE
PROJECT STATUS?

OCTOBER 2017
Flyer completed.

OUTREACH PROJECT - SARASOTA COUNTY FLOOD FLYER SPANISH

| | |
|--|--|
| PROJECT DESCRIPTION | <p>The Communications Department developed a flood flyer to highlight the CRS topics. The flyer was developed with the objective of remaining simple, providing concise messaging and showing available resources and contact information. The flood flyer was previously advertised in the phone book, the Herald Tribune, and sent to municipalities within Sarasota County. Subjects covered in the flyer include flood risk information, building responsibly, flood insurance, flood safety, flood protection, and natural floodplain functions.</p> <p>A large segment of the population speaks Spanish. The flyer was translated into Spanish.</p> |
| WHEN WILL THIS PROJECT BE IMPLEMENTED? | <p>Begin Date: October, 2017</p> <p>End Date: Ongoing</p> |
| WHO IS THE TARGET AUDIENCE? | Spanish speaking population |
| WHAT CRS TOPICS ARE COVERED? | <p><input checked="" type="checkbox"/> TOPIC 1: KNOW YOUR FLOOD HAZARD</p> <p><input checked="" type="checkbox"/> TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD</p> <p><input checked="" type="checkbox"/> TOPIC 3: PROTECT PEOPLE FROM THE FLOOD HAZARD</p> <p><input checked="" type="checkbox"/> TOPIC 4: PROTECT YOUR PROPERTY FROM FLOOD HAZARD</p> <p><input checked="" type="checkbox"/> TOPIC 5: BUILD RESPONSIBLY</p> <p><input checked="" type="checkbox"/> TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS</p> <p><input type="checkbox"/> TOPIC 7: HURRICANE PREPAREDNESS</p> <p><input type="checkbox"/> TOPIC 8: FLOOD ECONOMICS</p> <p><input type="checkbox"/> TOPIC 9: SEA LEVEL RISE</p> |
| WHAT ARE THE MESSAGES? | A1, B1, C1, C2, D1, D2, E1, E2, F1, G1, G2 |
| WHAT ARE THE OUTCOMES? | a1, b1, c1, d1, d2, e1, f1, g1, g2 |
| WHO IS RESPONSIBLE FOR THE PROJECT? | <p>Donna Bailey, CFM</p> <p>CRS Specialist</p> <p>Sarasota County Government</p> <p>1001 Sarasota Center Blvd.</p> <p>Sarasota, FL 34240</p> <p>941-861-0917 (office); 941-525-8915 (cell)</p> <p>Email: dabailey@scgov.net</p> |
| HOW WILL THIS PROJECT BE DISTRIBUTED? | <ul style="list-style-type: none"> - Advertise in phone book, once/year - Publish in Herald Tribune, once/year - Send to municipalities, once/year |

- Online

| | |
|---|--|
| ARE THERE RELATED CRS ACTIVITIES? | <p>320 – This flyer helps to publicize the County’s Map Information Service in which the committee determined what map information to provide.</p> <p>360 – Flyer publicizes the County’s flood protection services, including providing property protection advice (PPA) and site visits (PPV).</p> <p>370 – Flyer advises people to buy flood insurance.</p> <p>540 – Flyer encourages residents to keep swales and drainage ditches clear of debris to ensure water flow, and publicizes the County’s flood protection website to learn more about maintaining drainage systems.</p> <p>610 – Flyer publicizes the radio stations for emergency content and encourages residents to stay safe. Publicizes and reinforces the Turn around, don’t drown campaign.</p> |
| WHAT STAKEHOLDERS ARE INVOLVED? | Lenders, Realtors, Insurance Agents |
| WHICH JURISDICTIONS ARE INVOLVED IN THIS PROJECT? | <ul style="list-style-type: none"> - Sarasota County - City of Sarasota - Town of Longboat Key - City of North Port - City of Venice |
| WHAT ARE THE POSSIBLE SUCCESS INDICATORS? | <ul style="list-style-type: none"> - Increased web traffic - Increased number of FEMA policies - Increased subscribers to County’s alert system and social media |
| WHAT IS THE PROJECT STATUS? | <p>OCTOBER 2017</p> <p>Flyer completed.</p> |

OUTREACH PROJECT - SARASOTA COUNTY FLOOD ZONE WORKSHOPS

| | |
|--|--|
| PROJECT DESCRIPTION | Public Flood Zone Workshops |
| WHEN WILL THIS PROJECT BE IMPLEMENTED? | Begin Date: 2015 End Date: ongoing – |
| WHO IS THE TARGET AUDIENCE? | ALL |
| WHAT CRS TOPICS ARE COVERED? | <input checked="" type="checkbox"/> TOPIC 1: KNOW YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 3: PROTECT PEOPLE FROM THE FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 4: PROTECT YOUR PROPERTY FROM FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 5: BUILD RESPONSIBLY <input checked="" type="checkbox"/> TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS <input checked="" type="checkbox"/> TOPIC 7: HURRICANE PREPAREDNESS <input checked="" type="checkbox"/> TOPIC 8: FLOOD ECONOMICS <input checked="" type="checkbox"/> TOPIC 9: SEA LEVEL RISE |
| WHAT ARE THE MESSAGES? | A1, B1, C1, C2, D1, D2, E1, E2, F1, F2, F3, G1, G2, G3, H1, H2, H3, I1 |
| WHAT ARE THE OUTCOMES? | A1, b1, c1, d1, d2, e1, f1, g1, g2, h1, h2, h3, i1, i2, i3 |
| WHO IS RESPONSIBLE FOR THE PROJECT? | Des Companion CFM CRS Coordinator Sarasota County Government 1001 Sarasota Center Blvd. Sarasota, FL 34240 941-861-0802 (office) Email: dcompani@scgov.net |
| HOW WILL THIS PROJECT BE DISTRIBUTED? | - Through Various Libraries, HOAs, Interest Groups |

| | |
|---|--|
| ARE THERE RELATED CRS ACTIVITIES? | 330 - outreach 320 – Map Information Service 350 – Flood Protection Information 360 – Publicity 540 – Publicity 610 - Publicity |
| WHAT STAKEHOLDERS ARE INVOLVED? | Lenders, Realtors, Insurance Agents |
| WHICH JURISDICTIONS ARE INVOLVED IN THIS PROJECT? | <ul style="list-style-type: none"> - Sarasota County - City of Sarasota - City of North Port |
| WHAT ARE THE POSSIBLE SUCCESS INDICATORS? | <ul style="list-style-type: none"> - Reduced loss of property - Reduced number of claims - Reduced compliance issues - Increased FEMA flood policies - Water quality - Safer community |
| WHAT IS THE PROJECT STATUS? | 2018 Ongoing |

RESOLUTION NO. 2019 - 016

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF SARASOTA COUNTY, FLORIDA, ADOPTING THE REVISED FLOODPLAIN MANAGEMENT PLAN, AND THE MULTI-JURISDICTIONAL PROGRAM FOR PUBLIC INFORMATION AS THE FORMAL GUIDES FOR SARASOTA COUNTY'S FLOODPLAIN MANAGEMENT ACTIVITIES IN ACCORDANCE WITH 42 U.S.C. §5165, 44. C.F.R. §201.6, Part 1 of Chapter 252, Florida Statutes, and Florida Administrative Code Chapter 27P-22.

WHEREAS, the revised Sarasota County Floodplain Management Plan (FMP) and the Multi-Jurisdictional Program for Public Information Plan (PPI) is the representation of Sarasota County's commitment to reduce vulnerability and risks from flooding, and to inform the public of the hazards of flood, serving as a policy guide as resources are committed toward reducing the effects of flooding, and as a guide to increase public safety through outreach; and

WHEREAS, Sarasota County is subject to flooding from severe weather with potential damage to life, property, natural resources and the local economy; and

WHEREAS, the FMP Committee is comprised of Sarasota County Government staff and stakeholders from the City of Sarasota, the City of Venice, the City of North Port, the Town of Longboat Key, Sarasota County School Board, Southwest Florida Water Management District, WRA Engineering, and local citizens. The committee is open for participation to all interested parties and is chaired by the Stormwater Department Director, or his designee, and

WHEREAS, the revised FMP Plan, is required of all communities participating in the National Flood Insurance Program and will be used as the guide for sound floodplain management; and

WHEREAS, the PPI Committee is comprised of a cross-section of employees and community stakeholder members from Sarasota County Government, the City of Sarasota, the City of Venice, the city of North Port, the Town of Longboat Key, the Sarasota Bay Estuary Program, and a cross-section of stakeholders including Mote Marine representation, Realtor, Insurance Agent, Mortgage Lender, and private citizens, and is open for participation to any and all interested parties, and is chaired by the Stormwater Department Director, or his designee, and

WHEREAS, the PPI Plan will be used as the formal outreach guide for floodplain management; and

WHEREAS, both the revised FMP Plan and the PPI Plan have been reviewed by FEMA and meet the requirements of the Community Rating System and the National Flood Insurance Program; and

WHEREAS, the Unified Multi-Jurisdictional Local Mitigation Strategy (LMS) will include as an annex, the Sarasota County revised FMP Plan, and the PPI Plan, and these plans will serve as a guide for best management floodplain activities; and

WHEREAS, the Sarasota County revised FMP Plan and the PPI Plan will continue to be updated to meet the requirements of the Community Rating System program with updates automatically incorporated with the LMS.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF SARASOTA, FLORIDA:

SECTION 1. The Sarasota County revised FMP Plan, attached as Exhibit A, replaces the current 2016 FMP Plan and is adopted as the formal guide for Sarasota County's floodplain management.

SECTION 2. The PPI Plan, attached as Exhibit B, is adopted as the formal guide for public outreach to educate about flood hazards and flooding.

SECTION 3. This resolution shall supersede Resolution No. 2016-001.

SECTION 4. EFFECTIVE DATE. This resolution shall take effect immediately upon adoption as required by law.

PASSED AND DULY ADOPTED BY THE BOARD OF COUNTY COMMISSIONERS OF SARASOTA COUNTY, FLORIDA, this 29th **day of** January, 2019.

BOARD OF COUNTY COMMISSIONERS
OF SARASOTA COUNTY, FLORIDA

By: _____

Chair

ATTEST:

KAREN E. RUSHING, Clerk of Circuit
Court and Ex-Officio Clerk of the Board
of County Commissioners of Sarasota
County, Florida

By: _____

Deputy Clerk

OUTREACH PROJECT - SARASOTA COUNTY HAZARD DISCLOSURE

| | |
|--|--|
| PROJECT DESCRIPTION | Hazard Disclosure / Special Flood Hazard Area (SFHA) with a direct link to the Flood Protection Webpages. |
| WHEN WILL THIS PROJECT BE IMPLEMENTED? | Begin Date: 2016 End Date: ongoing – maps updated as necessary |
| WHO IS THE TARGET AUDIENCE? | All residents |
| WHAT CRS TOPICS ARE COVERED? | <input checked="" type="checkbox"/> TOPIC 1: KNOW YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 3: PROTECT PEOPLE FROM THE FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 4: PROTECT YOUR PROPERTY FROM FLOOD HAZARD <input checked="" type="checkbox"/> TOPIC 5: BUILD RESPONSIBLY <input checked="" type="checkbox"/> TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS <input checked="" type="checkbox"/> TOPIC 7: HURRICANE PREPAREDNESS <input checked="" type="checkbox"/> TOPIC 8: FLOOD ECONOMICS <input checked="" type="checkbox"/> TOPIC 9: SEA LEVEL RISE |
| WHAT ARE THE MESSAGES? | A1, B1, C1, C2, D1, D2, E1, E2, F1, G1, G2, G3, H1, H2, H3, I1 |
| WHAT ARE THE OUTCOMES? | A1, b1, c1, d2, e1, g1, g2, h1, h2, h3, i1, i2, i3 |
| WHO IS RESPONSIBLE FOR THE PROJECT? | Donna Bailey, CFM CRS Specialist Sarasota County Government 1001 Sarasota Center Blvd. Sarasota, FL 34240 941-861-0917 (office); 941-525-8915 (cell) Email: dabailey@scgov.net |
| HOW WILL THIS PROJECT BE DISTRIBUTED? | - Part of our flood zone locator application |
| ARE THERE RELATED CRS ACTIVITIES? | 322 - MI5 400 – Flood Mapping |

| | |
|--|--|
| WHAT STAKEHOLDERS ARE INVOLVED? | |
| WHICH JURISDICTIONS ARE INVOLVED IN THIS PROJECT? | <ul style="list-style-type: none"> - Sarasota County - City of Sarasota - Town of Longboat Key - City of North Port - City of Venice |
| WHAT ARE THE POSSIBLE SUCCESS INDICATORS? | <ul style="list-style-type: none"> - Reduced loss of property - Reduced number of claims - Reduced compliance issues - Increased FEMA flood policies |
| WHAT IS THE PROJECT STATUS? | 2017 The project is complete |



COME MEET THE TOWN'S EMPLOYEES AND LEARN WHAT EACH DEPARTMENT CAN DO FOR YOU!

Town of Longboat Key Community Open House

Saturday - March 3, 2018 - 10:00 a.m. to 1:00 p.m.

5490 Gulf of Mexico Drive • Longboat Key



FREE ** ON-SITE Document Shredding
10:00 a.m. to 12:00 p.m.



March 2018 General
Election Information

Office of the Town Clerk



YOUR
DOORWAY
To
Local Government



Water Conservation Information

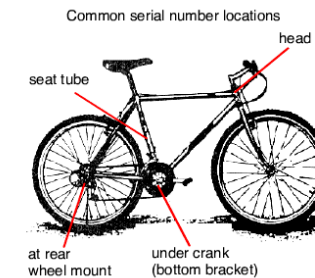


Every
Drop
counts

Fire Station Tours
Paramedic Demonstrations
Firefighter Demonstrations



Inspect Emergency Equipment
Bicycle Registration Program



Police
Department
Tours

Beach Renourishment Information



Information Technology
Website
Demonstrations



Sarasota Co. Special Operations



FY 2018 Budget Information



Membership Information



Blood Pressure Readings
Blood Sugar Checks
Health Education



TOWN OF LONGBOAT KEY 2018 FLOOD AND HURRICANE AWARENESS NEWSLETTER

Flood Hazards – How to protect yourself and your property

Flood Hazard Area

Longboat Key residents live within a floodplain. Additionally, all of Longboat Key is designated as a Special Flood Hazard Area since our community is subject to a one percent or greater chance of flooding in any year. Your property may be vulnerable to flooding from heavy storms. Contact the Longboat Key Planning, Zoning & Building Department (941-316-1966) or the Public Works Department (941-316-1988) to find out which flood zone your property is in according to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMS).

Flood Warning

Longboat Key, Manatee, and Sarasota

Warnings are issued via television and radio. Tune in to these media for instructions during times of possible severe weather. The Town of Longboat Key CodeRED Emergency Notification System provider delivers automated telephone notifications to registered participants.

Register your information for the CodeRED Emergency Notification System online at www.longboatkey.org (click on Residents, CodeRED). RE-REGISTER to update your settings if you initially registered prior to March 2016.

Hurricane evacuation maps are printed in the Sarasota and Bradenton phone books. Sarasota and Manatee County Hurricane Evacuation Maps are also available at the Police Department at 5460 Gulf of Mexico Drive, Fire Department at 5490 Gulf of Mexico Drive, Town Hall and Building Department at 501 Bay Isles Road, and at the Public Works Department located at 600 General Harris Street.

Flood Safety

Being aware of what steps you can take to minimize your loss prior to a flood is the first step to safety.

- Listen for weather updates and stay informed.
- Keep portable radio, flashlight and fresh batteries on hand.
- Turn off gas and electricity. (Call service provider for assistance.)
- Clear your yard, porch or patio of all loose objects.
- Moor your boat securely.
- Store enough drinking water for 5 days in clean containers.
- Know your evacuation route; know where to go.
- Have a backup plan if the storm track changes.

Caution: Do not drive or walk through a flooded area. Drowning is the number one cause of flood related deaths. Statistically, more people drown in their cars than any place else during flood events. Currents can be deceptive; six inches of moving water can sweep you off your feet. Don't drive around road barriers, the road may be washed out or there may be downed power lines. The number two killer during flood events is electrocution. Electrical current can flow through water. Report downed power lines to FPL (1-800-4-OUTAGE or 1-800-468-8243).

Don't Forget Your Pets!

If you must evacuate do not leave your animals behind. Evacuate them to a pre-arranged safe location if they cannot stay with you during the evacuation period. (Remember, pets are only allowed at pet friendly designated shelters.) If there is a possibility that disaster may strike while you are away from home, there are precautions you can take to increase your pet's chance of survival but they are not a substitute for evacuating with your pets. For more information, contact the Humane Society of the United States, Disaster Services, 2100 L Street NW, Washington DC 20037 (www.hsus.org), 202-452-1100.

Hurricane Evacuation

You may be advised to leave the island between 30 and 72 hours before a hurricane strikes. Because of expected off island heavy rains and gale force wind conditions, evacuation during daylight hours is strongly recommended. Evacuation routes may be flooded 24 hours before a hurricane hits. Although forcible evacuation is legal, Longboat Key Public Safety Departments will not force you to evacuate against your will. Any person who wishes to remain on the Key after evacuation has been ordered will be asked to give the Police Department the name of their next of kin. After Town Staff evacuates the Key and flooding begins, there may be no water and sewer service, nor telephone or electric power service. All buildings, regardless of height, will be subject to severe damage and, quite possibly, total destruction. Persons residing in condominiums above the first floor are advised that they are just as much at risk as are those residing in single family homes. Please note that elevators in multi-floor buildings may not function. By calling one number, 511, motorists everywhere in the State can find out about construction updates, lane closures, traffic incidents, severe weather reports and Amber and Silver Alerts. For more information about this new Statewide service, please visit: <http://www.fl511.com/>.

Property Protection

Moving outdoor furniture and relocating downstairs furniture to upper stories or higher locations may minimize loss. Sandbags can be placed to help slow down flood waters reaching your possessions. Retrofitting is a way to minimize loss prior to floods occurring. This involves building flood walls, elevating structures, etc. The Longboat Key Planning, Zoning & Building Department can assist property owners in retrofitting techniques and in how to select a contractor.

Flood Insurance

Regular homeowner insurance policies do not cover losses due to flooding. The Federal Insurance Administration (FIA) makes flood insurance available to everyone in the Town through private insurance agents. This is because the Town of Longboat Key participates in the National Flood Insurance Program (NFIP) which is administered by the FIA. For most individuals a home and its contents are their greatest investments. More information is available at <http://www.floodsmart.gov/floodsmart/>.

We strongly urge you to buy flood insurance to protect yourself from a devastating loss. Through the efforts of Town staff participating in the Community Rating System (CRS) Programs, citizens are eligible for up to a 25% discount on flood insurance rates. Continued citizen support of these programs and their requirements will help mitigate against future loss as well. Information about Federally backed flood policies is available to everyone in the Town through private insurance agents. Property owners can insure their buildings and contents, and renters can insure their possessions.

Further Information and Flood Zone Determination

As a public service, the Town of Longboat Key will provide you with the following information upon request:

- Where your property on Longboat Key lies within one of the respective Manatee or Sarasota County maps within the Special Flood Hazard Area (SFHA) as shown on the current Flood Insurance Rate Map (FIRM).
- Additional flood insurance risk data for a site, such as the FIRM zone and the base flood elevation requirements, including any additional freeboard requirement above the Base Flood Elevation (BFE) shown on the FIRM.
- We have a handout on the flood insurance purchase requirement that can help people who need a mortgage or loan for a property in the SFHA.
- The Town maintains elevation certificates for new and substantially improved structures in the SFHA.
- The Town updates the Flood Insurance Rate Maps as needed when revisions are made to the maps.
- The Town also has information in addition to the FIRM information, problems not shown on the FIRM, special flood related hazards, historical flood information, and natural floodplain functions.
- To obtain flood zone and flood protection assistance information, please contact the Planning, Zoning & Building Department (941-316-1966) located at 501 Bay Isles Road on Longboat Key from 8:00 am to 5:00 pm, Monday through Friday. There is no charge for this service.

A variety of pamphlets and other information are available, as well as copies of the Flood Insurance Rate Maps. Realtors, Insurance Agents or property owners can also obtain copies of Elevation Certificates on file for Longboat Key properties. When available, Flood Elevation certificates for a particular address are accessible at [www.longboatkey.org/PlanningZoning & Building Department/Elevation Certificates](http://www.longboatkey.org/PlanningZoning&BuildingDepartment/ElevationCertificates). Additionally, the Manatee County Central Library (941-748-5555) and

Sarasota County Selby Public Library (941-861-1100) have reference sections devoted to floodplain management, protection and information.

Disaster Mitigation Efforts

The Town participates with both Sarasota and Manatee County Local Mitigation Strategy (LMS) groups. These groups are designed to insure our municipality is prepared for all types of disasters. The LMS insures the Town is eligible for disaster mitigation funding after a declared event. The LMS also includes the Town's primary Floodplain Management Plan. Both the LMS document and the Annual Report on the Town's Floodplain Management Plan are available at Town Hall for review. Please take an opportunity to visit, and/or call the Public Works Department at (941) 361-6411, ext. 2213 for additional information.

How Can I Help Our Community?

Do your part in helping to preserve the storm drainage systems. Do not throw anything into drainage structures, ditches, swales, or streams. This is a violation of Town Ordinances. Often grass clippings, mulches, branches and debris can accumulate and clog or plug storm water flow through the system and potentially contribute to flooding.

Who Can I Call If I See:

- | | |
|---|--|
| ▪ Illegal dumping? | (941) 316-1976 Police Community Services |
| ▪ Debris or blockages in a drainage system? | (941) 316-1988 Public Works |
| ▪ Construction work without a permit? | (941) 316-1966 Planning, Zoning & Building |

Home Improvements

Be aware that for any structure in the Town of Longboat Key, local ordinances, as well as Federal and State Laws and Codes, require that:

- Any structure that is damaged to more than 50% of its market value, OR
- Any structure where improvements are planned where the cost of improvements to the structure is more than 50% of its market value, OR
- Any combination of the two above; then, ...

The repair or improvements must be built to meet current floodplain Codes including, in some cases, elevation of the structure to the required flood elevation. These requirements will be explained to you when you apply for building permits. Contact the Planning, Zoning & Building Department (941-316-1966) for more information.

Repetitive Loss Properties

For the purposes of identifying properties facing significant risk of flooding, the NFIP defines a Repetitive Loss Property as "one that has had two or more losses of greater than \$1,000 each within any 10-year period."

Compared to the occurrence of a fire, people in floodplains are 27 times more likely to experience a flood during a 30-year mortgage.

Some repetitive loss buildings have been replaced or properly elevated. Some owners of repetitive loss properties have simply dropped National Flood Insurance coverage for economic or coverage limitation reasons.

If you want more information regarding aspects of owning a repetitive loss property, what measures can be taken to help prevent loss, or retrofitting and mitigation efforts to bring your property into compliance, please contact the Planning, Zoning & Building Department at (941) 316-1966.

Town staff members are available to conduct site visits, when requested, to discuss flooding, drainage problems and retrofitting options. You can also contact Florida Division of Emergency Management (FDEM), or State Floodplain Management Office (floods@em.myflorida.com, 850-413-9960), or the FDEM Website: www.floridadisaster.org.

TOWN OF LONGBOAT KEY 2018 SUMMER EDITION

Public Works Department
600 General Harris Street
Longboat Key, FL 34228
Phone: 941-361-6411, ext. 2213
Email: jlinkogle@longboatkey.org
www.longboatkey.org

TOWN COMMISSION

George Spoll, Mayor
Ed Zunz, Vice Mayor
Randy Clair, District 1
Ken Schneier, District 3
Jack Daly, District 4
Jim Brown, At Large
Irwin Pastor, At Large

Tom Harmer, Town Manager

Register your **CodeRED Emergency Notification information** online at www.longboatkey.org (Click on Residents, CodeRED). Did you register **PRIOR** to March 2016? You should **RE-REGISTER** to opt-in for Severe Weather Warnings. The additional service warns residents by cell phone, text, and/or email when the National Weather Service issues tornado, flooding, or other severe weather warnings.

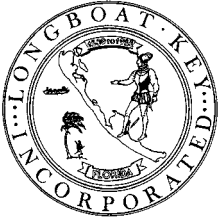
2018 FLOOD-HURRICANE AND DISASTER AWARENESS SEMINAR

"The Aftermath of "IRMA-Geddon"

The annual disaster preparedness seminar is to be held on Thursday, May 31 from 3:15pm to 6:00pm at the Longboat Key Club Harbourside Ballroom, 3000 Harbourside Drive, Longboat Key. The keynote speaker is Elizabeth Cuevas-Neunder, President of the Puerto Rican Chamber of Commerce of Florida. Invited speakers are Bob Harrigan, ABC7 News Chief Meteorologist, and Sarasota and Manatee County Emergency Managers. RSVP required to the Chamber of Commerce at 383-2466. First 125 pre-registered attendees will receive a giveaway bag with a ticket for a door prize and a virgin Hurricane drink. Light appetizers served, compliments of The Resort at Longboat Key Club. Disaster Preparedness Seminar is sponsored by Aqua Plumbing & Air.

Longboat Key Receives Deeper Discount for Community Rating System

The National Flood Insurance Program's (NFIP) Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages Community Floodplain management activities that exceed the minimum NFIP requirements. For CRS participating communities, flood insurance premium rates are discounted in increments of 5% (i.e., a Class 1 community would receive a 45% premium discount, while a Class 9 community would receive a 5% discount). Longboat Key is now a Class 5 CRS participating community with a **25%** premium discount. Check with your insurance agent at renewal time to insure you are getting the proper discount. CRS Coordinator James Linkogle will be happy to answer any of your questions and is available at (941) 361-6411, ext. 2213.



TOWN OF
Longboat Key

Incorporated November 14, 1955

Public Works Department

600 General Harris Street
Longboat Key FL 34228
(941) 316-1988
FAX (941) 316-1984
www.longboatkey.org

May 24, 2018

Address field
Proper Owner
Property Address

Re: Property Address

Dear Resident,

You have received this letter because as coastal barrier island, the Town of Longboat Key is subject to flooding during any storm event that coincides with an extreme high tide. The Town is especially vulnerable to flooding related to tropical storms and hurricanes. The potential to suffer property damage from floods increases with the intensity and duration of the storm as well as the impacts of any storm surge and intense prolonged rains. The Town of Longboat Key lies in what is termed a "Special Flood Hazard Area" (SFHA) according to the Flood Insurance Rate Maps (FIRM) distributed by the Federal Emergency Management Agency (FEMA) under the National Flood Insurance Program (NFIP).

If you experience flooding during any tropical storm event, please contact your insurance agent to make sure to file claims for any damage to your property, home and contents. Any repairs performed as a result of the flood damages may require permits. Please contact the Planning, Zoning and Building Department (941-316-1966) for information.

You may live in or own a building that existed before the Town entered the NFIP and adopted FEMA maps and the Special Flood Hazard Area requirements. As an owner of one of these structures (known as a Pre-FIRM property) it did not have to meet the elevation standards required by FEMA and has received subsidized insurance rates that have not reflected the true risk of flooding.

You may also own a property that has been flooded several times and is included on the "Repetitive Loss Property List" distributed by FEMA. The definition used by NFIP of a Repetitive Loss Property is one that has suffered two or more NFIP losses of at least \$1,000 in any ten-year period since 1978.

The Town is concerned about Repetitive Loss Properties and has access to and information on various programs and grants to help you protect your property from the potential of future flooding.

Your property may also be identified by FEMA as a “Severe Repetitive Loss Property.” Congress defined this subset of properties when it passed the Flood Insurance Reform Act of 2004, and the most current re-authorization of the NFIP program under the 2014 Homeowners Flood Insurance Affordability Act. Severe repetitive loss properties are those one-to-four family dwelling properties that have had four or more claims of more than \$5,000 each, or two claims that cumulatively exceeded the building’s value.

Mitigation action is one process available to reduce or eliminate future flood losses to a property by lessening the impact of storm related flooding. Flood related disasters are very costly to citizens and government. Studies conducted by the National Institute of Building Sciences report that, on average, every dollar spent on mitigation yields \$4 in future benefits; and may even approach as much as \$8 in future savings per dollar of mitigation.

The State of Florida Bureau of Mitigation administers several federal mitigation grant programs including:

Hazard Mitigation Grant Program
Pre-Disaster Mitigation Program
Flood Mitigation Assistance Program

Severe Repetitive Loss Program
Repetitive Flood Claims Program
Residential Construction Mitigation Program

In addition, to comply with federal regulations, the Bureau of Mitigation routinely updates the State Hazard Mitigation Plan and supports local communities with their mitigation planning efforts.

FEMA generally announces the Flood Mitigation Assistance Application cycle in mid-July. The application period typically runs from mid-August through mid-November. The Notice of Funding Opportunity (NOFO) will be posted on www.Grants.gov. Once made available, the FY 2018 FMA Fact Sheet shall provide an overview of the agency's priorities for this year.

For more information please visit:

<https://www.fema.gov/flood-mitigation-assistance-grant-program>

<https://www.floridadisaster.org/dem/mitigation/>

Homeowners and business owners are encouraged to learn their flood risk and talk to their insurance agents to determine how recent changes in federal law have affected their policies with new and associated adjustments to rates. Property owners who face increased premiums should discuss options such as verifying the accuracy of the rate determination, increasing the deductible, or consider retrofitting or rebuilding at a higher elevation. Additional information is available at the following website:

<https://www.floodsmart.gov/>

Meanwhile, here are some things you can do:

1. Request the assistance of James Linkogle, the Town's Community Rating System Coordinator, by calling (941) 316-1988. He can tell you about the information available on what would be an appropriate flood protection level of elevation for your property. He can also discuss types of flood protection and or construction alternatives with you.
2. Prepare for flooding by doing the following:
 - Know when and where to evacuate before the flood comes.
 - Know how to shut off the electricity and gas to your house before the flood comes. Mark your fuse or breaker box to show the circuits to the floodable areas of your property. Turning off the power to these areas can reduce damage to the electrical system.
 - Make a list of emergency numbers and identify a safe place to go.
 - Make a household inventory.
 - Put insurance policies, valuable papers, medicine, etc. in a safe place, or take them with you if you evacuate.
 - Develop a disaster preparedness and response plan – Visit the Town of Longboat Key website at www.longboatkey.org, then click on the Hurricane Information page.
 - Register for CodeRED Emergency Notification to receive messages regarding severe weather events, water service outages, hurricane evacuations and re-entry, and emergency messaging from public safety officials.
3. Consider some permanent flood protection measures.
 - Consider elevating your house above flood levels.
 - Check your building for water entry points.
 - Install a sewer backup valve to prevent sewer backup flooding.
 - More information is available at the FEMA website,

<https://www.fema.gov/national-flood-insurance-program>
4. Check the status of your flood insurance policy.
 - Homeowner's insurance policies do not cover damage from floods. However, because the Town of Longboat Key participates in the National Flood Insurance Program, you can purchase a separate flood insurance policy. This insurance, administered by the Federal government, is available to everyone even properties

that have been previously flooded. Because the Town participates in the Community Rating System, eligible properties should be receiving a 25% reduction in the insurance premium. If your premium does not include the 25% discount, contact your agent to find out why.

- Some people have purchased flood insurance because the bank required it when they applied for a mortgage or home improvement loan. Usually these policies just cover the building's structure but not its contents. During the kind of flooding that can happen in your area, there is usually as much or more damage to the furniture and contents as there is to the structure. Be sure you have insurance with contents coverage.
- Don't wait for the next flood to check on or buy insurance protection. In most cases, there is a 30-day waiting period before the National Flood Insurance Program coverage takes effect.
- Contact your insurance agent for more information on rates and coverage.

Again, do not hesitate to contact James Linkogle, the Town's Community Rating System Coordinator, in the Public Works Department at 316-1988 for assistance. James will be pleased to discuss flood protection alternatives with you and help in any way possible.

My best regards,

A handwritten signature in blue ink, appearing to read "Tom Harmer", with a stylized flourish at the end.

Tom Harmer
Town Manager

cc. James Linkogle, Community Rating System Coordinator
Isaac Brownman, Public Works Director
Allen Parsons, Planning Zoning and Building Director

PRIORITY TOPICS ABOUT FLOODS AND PROTECTION For the TOWN OF LONGBOAT KEY

Register for **CodeRED** / Severe Weather Warning to stay informed when severe weather threatens or is imminent. This provides advance warning if residents need to take protective measures for their personal safety and property protection.

1. KNOW YOUR FLOOD HAZARD



- Your property is subject to flooding.
- 100% of the Town of Longboat Key lies within the Special Flood Hazard Area, the 1% annual chance of flooding.
- You may own property in a repetitive flooded area.

2. INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD



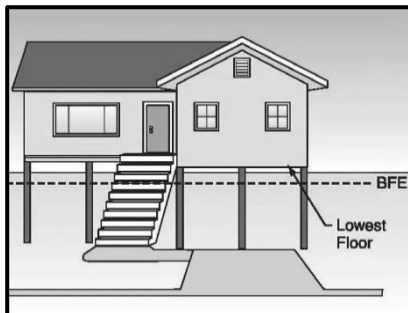
- You need flood insurance.
- Renters should buy flood insurance for their contents.
- You may be able to take advantage of a low-cost Preferred Risk Policy. Check with your insurance agent.

3. PROTECT PEOPLE FROM HAZARD



- Do not drive through flooded streets, turn around, don't drown.
- Know the flood warning information process, pay attention to warnings.
- Designate a place where your family can rendezvous after an evacuation order is issued.

4. PROTECT YOUR PROPERTY FROM HAZARD



- Relocate your HVAC, electrical equipment, elevated above the flood level.
- Keep debris and trash out of the drains and ditches.
- We may be able to help you get a grant to elevate your home.

For more info call
941-316-1966 or 316-1988

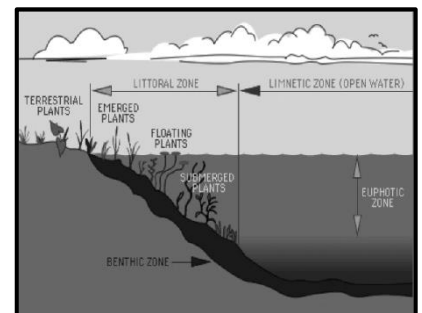
5. BUILD RESPONSIBLY



- Get a permit from Planning Zoning Building Dept. before you build.
- Know the substantial damage and improvement rules (and the ICC benefits).
- Be aware of the new Chapter 154 Flood Code and Building Code updates.

For more info call
941-316-1966

6. PROTECT NATURAL FLOODPLAIN FUNCTIONS



Help keep our bay waters clean.

- Don't dump in storm drains; they drain to the bays.
- Properly dispose of Household chemicals, oils and hazardous materials.
- Report any illicit discharges in storm drains or illegal dumping to the non-emergency Police number : 941-316-1977

For more info call
941-316-1988

Press Release

Town of Longboat Key



Public Works Department
(941) 316-1988
August 1, 2018

Annual Report on the Floodplain Management Plan

As part of the Community Rating System (CRS) Annual Recertification associated with the National Flood Insurance Program (NFIP), the Town must provide an Annual Report for its Floodplain Management Plan.

Adopted by Resolution 2015-23 on September 21, 2015, the plan contains six (6) Key Elements:

1. Organize, Involve Public, Coordinate Activities
2. Assess Flood Hazards and Problem Areas
3. Set Goals, Review Activities
4. Create an Action Plan
5. Adopt, Implement, Evaluate and Revise
6. Appendices (Related to Elements)

In order to maximize credit for maintaining discounts on NFIP Flood Insurance policies, the Town formed a committee that included appropriate department staff and the public. At least one-half of the members needed to be representatives of the public or community stakeholders.

The committee was chaired by Steve Schield, Town of Longboat Key Planner, and committee members were Steve Carr, contractor; Sandra Ceshker, insurance agent; Michael Drake, real estate representative; Neil Fleet, property management representative; and James Linkogle, Town of Longboat Key Public Works Project Manager, served as staff liaison to the committee. The committee has been meeting quarterly from and through 2015-2018. The committee reviewed and prepared a summary of updates incorporated herein to activities integrated in the current plan.

Attached:

Annual Report on the Floodplain Management Plan, Dated July 23, 2018

Annual Report on the Floodplain Management Plan

July 23, 2018

ADOPT, IMPLEMENT, EVALUATE AND REVISE

◆ Summary: Monitoring and Evaluation

PLAN MAINTENANCE

The Floodplain Management Plan will be monitored by the Public Works and Planning, Zoning and Building Departments as part of the regular status report procedures. The Departments will also be responsible for overseeing the implementation of the action plan activities in regards to developing and monitoring necessary budgets, developing and monitoring potential structural mitigation projects, and monitoring the progress of the Floodplain Management Plan Committee.

The Floodplain Management Plan Committee will meet quarterly to review, monitor and evaluate implementation of the Plan. As a result the Floodplain Management Plan will be updated annually by the Town Planner, CRS Coordinator, Building official, and the Floodplain Management Plan Committee Members. The Plan will be submitted and reviewed by appropriate Town departments and corresponding County Local Mitigation Strategy Working Group Committee members. The update will include an overview of this original plan, and provide status reports on projects and any revisions to the plan. Any recommendations or changes will be included in an annual update to Town Commission and made available to the public prior to October 1st of each year. The annual report will be available to the public and released to the media. The overall plan will be updated every five years in concurrence with the Community Rating System recertification process.

ACTION PLAN

The Floodplain Management Plan contains an Action Plan that identifies those mitigation actions appropriate to the community's resources, flood hazards, and vulnerable infrastructure and properties. These are incorporated with the goals and initiatives supplementary with the Local Mitigation Strategy relating to flood hazards.

◆ Current Activities

These activities were initially reported to the Town Commission September 15, 2014 Regular Workshop Meeting and have been updated through the Floodplain Management Plan Committee process in 2015-2016 and through 2018.

Due to the September 2017 Hurricane Irma impact to the Town, staff delayed submission of the annual report and update to follow final assessments of those impacts. Additionally, staff has recently included a Work Assignment to a Coastal Engineering firm to conduct an Initial Assessment to address Sea Level Rise and Recurrent Flooding. Subsequently staff is submitting the report at this time.

◆ Preventive Strategies

- Development Review - Planning Zoning Building Department (PZB): The Town continues to enforce FEMA regulations and standards through its building and zoning departments and local ordinances.

- STATUS: The Town adopted a revised Flood Ordinance recommended by the State of Florida for concurrence with the 2010 Florida Building Code. This Town Ordinance, No. 2013-25, replaced the Town Code Chapter 154, Flood Protection Ordinance in entirety and was adopted taking effect March 17, 2014. This adoption process was concurrent with the NFIP compliance review and formal adoption of the FEMA Digital Flood Insurance Rate Map for the Manatee County portion of the island effective the same date. Per Town Code of Ordinances Chapter 150.01, the current version of the 2017 Florida Building Code is auto-adopted per the Ordinances and includes provisions for compliance with the National Flood Insurance Program (NFIP).
- The Town adopted Ordinance 06-09, Reconstruction of Non-conformities, to require that all structures be brought into compliance with the State of Florida Building Code, FEMA requirements, and local flood control regulations.
- RECOMMENDATIONS: Monitor status of Florida Building Codes and potential changes, (FBC 2017 effective December 31, 2017), and potential adoption of International Codes. Continue with the annual public outreach and education programs for understanding of all applicable local, state and federal codes as they pertain to floodplain management principals.

Long Range Planning PZB: The Town has adopted by Resolution 2011-13 a Vision Plan. The following are specific goals relating to floodplain management.

- Develop and participate in sustained policy efforts at state and federal levels to develop property and disaster insurance alternatives for coastal communities that help those communities remain economically viable.
- Increase public education and information on public safety, particularly disaster issues
- Maintain the high level of readiness for disaster response
- Continue to participate with other governments in cooperative efforts to protect and restore Sarasota Bay
- Periodically examine the beach management program as needed, including regional cooperation
- Seek opportunities to purchase open space for public use, with public input, as to features, uses, and costs
- STATUS: The Town's plan is in process, including potential amendments to the Towns Comprehensive Plan.

In October 2013 the Town had a community study done by the Urban Land Institute (ULI). The ULI Advisory Services Panel report did an analysis of the existing conditions in the Town and its future. The ULI study made the following specific listed recommendations in regards to climate adaptation and coastal resiliency:

- Research and understand new flood insurance.
- Reestablish, maintain, and promote native vegetation along the coastline.
- Implement planning management tools such as setbacks and buffers, and zoning plus development regulations and incentives.
- Improve access to education and information, particularly through coastal monitoring systems, advisory notice, and evacuation plans.
- Coordinate neighborhood plans with city and regional strategies.
- Link outcomes of site analysis, vulnerability assessment, and resilience enhancement to the waterfront planning process.
- RECOMMENDATIONS:
 - Follow through with the adopted Vision Plan and recommendations of the ULI Study.
 - Track progress for opportunities to conserve open space within the Town's boundaries through its land use and zoning regulations.

- Adopted revisions to the Comprehensive Plan including Coastal Conservation Elements, Recreational Open Space and new Sustainability Elements to be accomplished by the spring of 2020.
- Local Mitigation Strategy (LMS) All Participating Town Departments: The Town continues to participate in the LMS process for hazard mitigation initiatives and projects.
 - STATUS: Staff continues participation in scheduled LMS Workgroup meetings with both Sarasota and Manatee counties. The LMS Working Group includes the area jurisdictions of the cities of Sarasota, Northport, Venice, The Town of Longboat Key, Sarasota County, and the Tampa Bay Regional and Southwest Regional Planning Councils. One purpose of the LMS is to provide consistency of flood-plain management issues within participating communities. Additionally the LMS provides participating communities in the Community Rating System a platform for coordinating the updating of the FEMA Flood Insurance Rate Maps and Risk Map Analysis initiative.
 - RECOMMENDATIONS: Continue involvement with coordination between the Town and the two county LMS plans. Continued participation in LMS Working Group with reaching goals and objectives identified by the group. The process of updating each county LMS is scheduled to be completed every 5 years.
- Community Rating System (CRS) PZB – Public Works Dept. (PW): The Town continues to participate in the NFIP/CRS program.
 - STATUS: Staff completed the 5-Year CRS Verification process in November, 2015.
 - As of the May, 2016 confirmation letter from FEMA the Town is currently rated a Class 5 community. This provides for a total 25% discount to NFIP flood insurance policy holders.
 - RECOMMENDATIONS: Staff continue to work with Insurance Service Office and FEMA Region IV to maintain Town's CRS rating and required activities. A notice from ISO and FEMA for the next cycle verification visit is anticipated in the Summer/Fall of 2018.
- Coastal Resiliency - Intergovernmental Climate Working Group
Town Participation with City of Sarasota and other local governmental agencies.
 - STATUS: Participation with stakeholder groups like the City of Sarasota, the other Barrier Islands, Sarasota Bay Watch, Sarasota Bay Estuary Program as well as participating with public outreach.
 - RECOMMENDATIONS: A regional effort underway through the Tampa Bay Regional Planning Council to join a formed; "Tampa Bay Resiliency Coalition." Manatee County is a member of the Tampa Bay Regional Planning Council and they have invited Sarasota County and their municipalities to participate in this coalition. They are asking each of the local governments to sign off on a Memorandum of Understanding. Staff is attending scheduled meetings and will provide additional background and updates regarding this effort.
- Initial Assessment to Address Sea Level Rise and Recurrent Flooding
Town of Longboat Key Work Assignment 2018-01 to APTIM Environmental & Infrastructure Inc.
 - STATUS: Perform Key Elements:
Review existing data and identify gaps (water levels, rainfall, topographic, etc.)
As a follow-up to the Commission discussion on shoreline protection, sea level rise, flood protection, sea wall heights, etc.

- ✓ Establish local water level projections for planning and infrastructure time horizons
 - ✓ Collect input from Town staff and Conduct field observation to identify areas of concern
 - ✓ Engage public via information and discussion session
 - ✓ Identify infrastructure and assets at the highest risk
 - ✓ Outline potential adaptation strategies to be considered
 - ✓ Identify future work and next steps required to develop a comprehensive adaptation plan
- **RECOMMENDATION:** Staff is working on a vulnerability assessment specific to the Town as a first step towards a long range plan/roadmap. Some research and data collection is underway and there will be follow-up reports later during regular public meetings.

■ **Property Protection**

- Education of Repetitive Loss Property Owners PW-PZB: Annual outreach through Town newsletters.

- **STATUS:** An educational outreach letter to each repetitive loss property is mailed annually. The mailing for 2018 will be completed by June. Included are changes in Homeowners Flood Insurance Affordability Reform Act of 2014/15 and notice of current funding for Grant programs for Repetitive Loss and Severe Repetitive Loss properties.

The 2018 Annual Summer Hurricane / Flood Newsletter was mailed the second week of May, 2018 to all addresses within the Town Zip Code. Information included the CRS 6 topic flood awareness, flood safety, property protection methods, and hurricane preparedness and response information, including advertisement for the annual Disaster Preparedness seminar held on May 31st.

- **RECOMMENDATIONS:** Continue to improve the Town's formal outreach program to inform Repetitive Loss property owners of options for mitigation and funding. Continue to include updated information about the Homeowners Flood Insurance Affordability Reform Act of 2014/15, and policy changes that become effective.
- Enforcing New Construction and Renovation Standards - PZB
Continuously enforce the current 2017 Florida Building Code edition as adopted by State Statute.
 - **STATUS:** Building inspectors and plans examiners continue their review of the current Florida Building Code (FBC) and any Amendments. Staff attends scheduled opportunities to maintain Continuing Education requirements for Building Officials, Building Inspectors, Plans Examiners, Code Enforcement and Certified Floodplain Managers.
 - **RECOMMENDATIONS:** Educate contractors and the public as to any changes in the FBC and Amendments with emphasis on flood protection techniques and requirements by including in annual outreach meetings.

- Conduct public outreach programs: PZB – PW.
 - STATUS: The Town held a public forum on June 8, 2017, at Harborside Clubhouse to discuss flood protection at the Hurricane Awareness Seminar.
 - RECOMMENDATIONS: Continue to hold at minimum annual basis public forums and investigate opportunities for additional public outreach and utilize the local press to educate the public. Support the required maintenance of the Floodplain Management Plan Committee (Quarterly).

■ Natural Resource Protection

- Sarasota Bay Estuary Program – PZB-PW
The Town is a member and provides financial support to the Sarasota Bay Estuary Program to enhance the preservation and/or creation of the local floodplains and wetlands.
 - STATUS: Continuing to support wetland protection in Sarasota Bay.
 - RECOMMENDATIONS: Continue current support, investigate opportunity for restoration and protection of wetlands, Natural Beneficial Functions of the Floodplains and preservation of Open Space. Continue Town representation at regularly scheduled meetings on the Policy, Technical and Citizen Committees for the Sarasota Bay Estuary Program.
- Town Wetlands Protection and Restoration - PZB-PW
 - Durante Park, Phase Four project
 - Sisters Key Restoration Project
 - Lyons Lane Restoration Project
 - Quick Point Nature Preserve
 - Greer Island
 - STATUS: The wetland mitigation project on Sister Keys Completed in August 2008 has completed the five-year permit required monitoring and maintenance program.
 - RECOMMENDATIONS: Continue to monitor restoration projects efforts in all Parks and on Sisters Key. Investigate additional opportunities for Public Outreach and Education as to Natural and Beneficial Functions of the floodplain and preservation of open space at minimum on an annual basis, or at quarterly Floodplain Management Plan committee meetings.
- Beach Renourishment Projects - PW
 - In the summer of 2006, the Town completed an island-wide major beach renourishment project, which provided additional shoreline and dune protection.
 - STATUS:
 - ◆ Most recent island wide Beach Restoration was completed in July 2006. Two Permeable Adjustable Groins were constructed at the Islander Club in 2009-10. An Interim renourishment was completed for the North end, Reach 1, of the island in July of 2011.
 - ◆ Another interim Emergency Fill project on the North end was completed in June of 2014 as a result of a WCIND Sand Shoal Dredging project in Longboat Pass.
 - ◆ A project to construct two Permeable Adjustable Groins and place 9300 cubic yards of sand on the North End for the protection of adjacent beach front properties, public access and marine habitat in 2015.

- ◆ The most recent renourishment projects were completed by way of two inlet pass dredging and one upland sand source via truck haul renourishment in 2016.
- RECOMMENDATIONS: Continue to maintain and monitor existing beach conditions and plan for future renourishment projects and sand sources. Provide recommendations to update the 2008 Beach Comprehensive Management Plan. Investigate additional opportunities for Public Outreach and Education on Natural and Beneficial Functions of beach renourishment and protection of marine species (Turtles, Shore Birds).
 - Conduct an Emergency Sand Placement on the North Shore Rd. Beach access. Submit permit application for additional permeable groin structures under the North End Stabilization Project format.

■ Police and Fire Departments Emergency Services

- Enhance the early-warning systems - Police (PD) and Fire (FD) Departments
 - To provide the earliest warning of weather conditions to all residents, commercial owners, and Town employees.
 - STATUS: The Town updates on an annual basis the comprehensive Town of Longboat Key Hurricane Plan as well as inter-departmental, local and State agency coordination. Installation was completed in July 2006 of the "Code Red" automatic phone notification system, and the Town is now updating staff training and promoting participation through the Town's website and local newspapers.
 - RECOMMENDATIONS: Investigate further opportunities for improvements to and use of latest technologies for communications and early warning coordination. Coordinate with Sarasota and Manatee Counties' EOC communication systems and insure requirements can be met to provide for opportunity to continue eligibility for CRS Activity 610 reporting. Insure participation on Early Flood Warning during annually scheduled Hurricane Exercises, preparation for and actual response to storm events and critique of effectiveness of plans and actions.
- Enhancement of the evacuation program for residents including Special Needs residents. - FD
 - STATUS: The Special Needs Evacuation lists are updated annually on the county and local levels.
 - RECOMMENDATIONS: Monitor progress of improvements and maintenance of evacuation routes through participation in the monthly Metropolitan Planning Organization and Fla. Dept. of Transportation. Maintain lists on an annual basis.
- Continued Participation in Manatee County Disaster Preparedness Planning Committee (DPPC) – All participating Town Departments
 - STATUS: Participation is ongoing.
 - RECOMMENDATIONS: Attend regularly scheduled monthly meetings and provide input through the committee process to include available information to improve public outreach and education for floodplain management programs.

■ Structural Projects/Capital Improvements

- Town-wide storm water system improvements - PW
 - STATUS: The Town has included in the 2017-18 budget year a review and analysis of storm water system conditions in the Village area. A subsequent report will provide

information and recommendations to move forward with design and potential future projects for improved storm water services in the 2018-19 and 2020 budget years.

- RECOMMENDATIONS: Continue permitted maintenance requirements.
- Continue comprehensive 5-year Public Works projects for Water and Wastewater facilities. - PW
 - STATUS: Construction process underway for improvements to harden water and sewer plants. A new sub-aqueous water main crossing of Longboat Pass for insurance of maintained water supply from Manatee County was completed in April 2015.
 - RECOMMENDATIONS: Complete improvements as identified through the design phase. Continue to fund and complete projects in annual budget cycle process.
- Continue with Public Works Canal Dredging project for Vessel Waterway and drainage maintenance.
 - STATUS: Project is in final permitting phases inclusive of designing mitigation and permitting of Subaqueous Vegetation Impacts
 - RECOMMENDATIONS: Continue investigating ways to use dredged materials for upland beneficial uses. Investigate opportunities to incorporate GIS database into storm water outfall inventory and improved maintenance activities.

■ Public Information

- Floodplain Management Plan (FPMP) Updates and Evaluations - PZB, PW
 - STATUS: In progress.
 - RECOMMENDATIONS: Completed the process by of the current Floodplain Management Plan Committee review for the required modification and adoption the end of October, 2015. Coordinate Completing process for scoring under the current version of the CRS Coordinator Manual implemented in 2017. Participate with Sarasota County Floodplain Management Plan Committee, Program for Public Information (PPI), and identify and participate for potential additional CRS Activity credits. Continue participation of the Town FPMP committee for the effective application of the adopted plan for the 3 Year Cycle Verification visit and continue to schedule quarterly meetings in the future to maintain current CRS Class 5 status and prepare for the next 5th year updates to current 2015 plan.
- Public Education Program: PW – PZB
 - STATUS: Ongoing.
 - RECOMMENDATIONS: Maintain current activities and investigate other venues for educating the public and construction industry. Continue with the development of a permanent Floodplain Management Plan Committee and schedule quarterly meetings. Participate with Sarasota County PPI and Floodplain Management Plan Committee. Consider additional collaboration with Manatee County. Include regularly scheduled presentations on a minimum annual basis at various town Homeowners/Condominium Association meetings.

OUTREACH PROJECT - SARASOTA COUNTY PROPERTY APPRAISER FLOOD DISPLAY

| | |
|--|--|
| PROJECT DESCRIPTION | Flood information displayed on the Tax Assessor database/Property Appraiser online records. |
| WHEN WILL THIS PROJECT BE IMPLEMENTED? | Begin Date: September 2017 End Date: Ongoing / data is updated and uploaded daily |
| WHO IS THE TARGET AUDIENCE? | All residents and non-residents |
| WHAT CRS TOPICS ARE COVERED? | <input checked="" type="checkbox"/> TOPIC 1: KNOW YOUR FLOOD HAZARD <input type="checkbox"/> TOPIC 2: INSURE YOUR PROPERTY FOR YOUR FLOOD HAZARD <input type="checkbox"/> TOPIC 3: PROTECT PEOPLE FROM THE FLOOD HAZARD <input type="checkbox"/> TOPIC 4: PROTECT YOUR PROPERTY FROM FLOOD HAZARD <input type="checkbox"/> TOPIC 5: BUILD RESPONSIBLY <input type="checkbox"/> TOPIC 6: PROTECT NATURAL FLOODPLAIN FUNCTIONS <input type="checkbox"/> TOPIC 7: HURRICANE PREPAREDNESS <input type="checkbox"/> TOPIC 8: FLOOD ECONOMICS <input type="checkbox"/> TOPIC 9: SEA LEVEL RISE |
| WHAT ARE THE MESSAGES? | A1 |
| WHAT ARE THE OUTCOMES? | A1 |
| WHO IS RESPONSIBLE FOR THE PROJECT? | Donna Bailey, CFM CRS Specialist Sarasota County Government 1001 Sarasota Center Blvd. Sarasota, FL 34240 941-861-0917 (office); 941-525-8915 (cell) Email: dabailey@scgov.net |
| HOW WILL THIS PROJECT BE DISTRIBUTED? | - Online through the Property Appraiser's website |

ARE THERE RELATED
CRS ACTIVITIES?

310 – Elevation Certificates are available on the direct link to the flood zone locator program.
320 - Map Information Service
340 – Hazard Disclosure – Realtors use this service to advise their clients.
410 – Flood Hazard Mapping.
440 – This flood display links directly to the County’s Map flood zone locator program. The committee determined what map information to display on the property appraiser website.

| | |
|--|---|
| WHAT STAKEHOLDERS ARE INVOLVED? | Realtors, Lenders, Insurance Agents |
| WHICH JURISDICTIONS ARE INVOLVED IN THIS PROJECT? | <ul style="list-style-type: none">- Sarasota County- City of Sarasota- Town of Longboat Key- City of Venice- City of North Port |
| WHAT ARE THE POSSIBLE SUCCESS INDICATORS? | <ul style="list-style-type: none">- Increased web traffic- Increased number of FEMA policies |
| WHAT IS THE PROJECT STATUS? | SEPTEMBER 2017 Project completed. |

SEA LEVELS
*NAVD88

SARASOTA, FL

4

3.72

3.30

3

2.14

2

1.26

1

.51

0

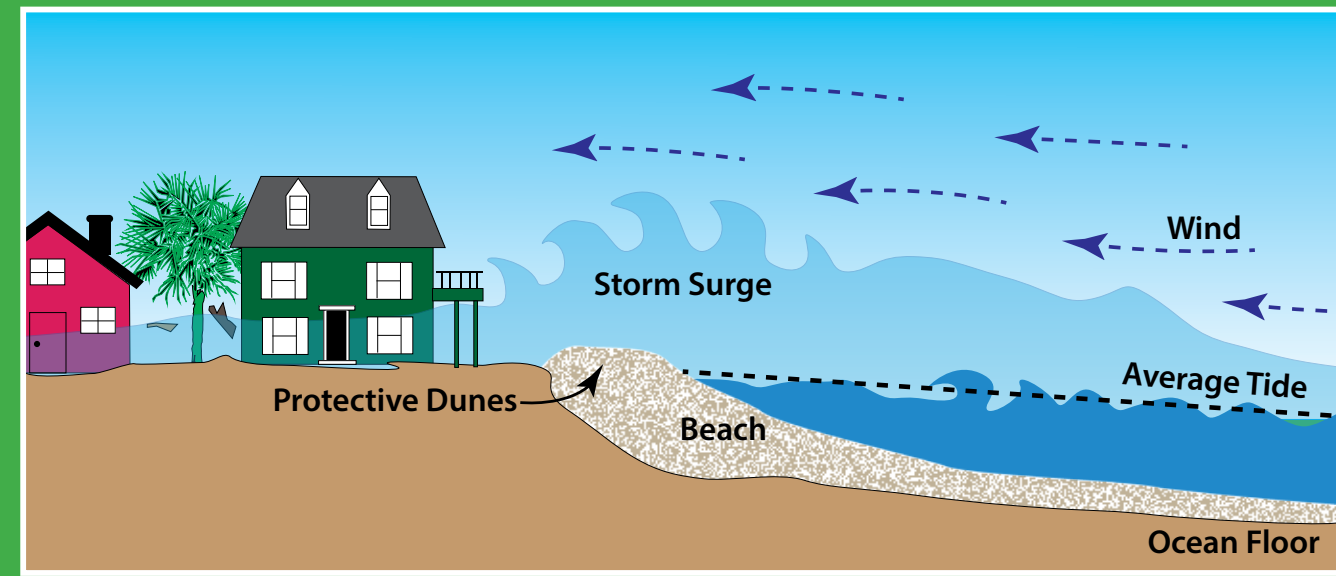
-1

-1.08

What Factors Influence Sea Levels?

The City of Sarasota has installed the tidal marker in the water to show tidal variations and educate on various factors that can influence water levels now and into the future.

Storms

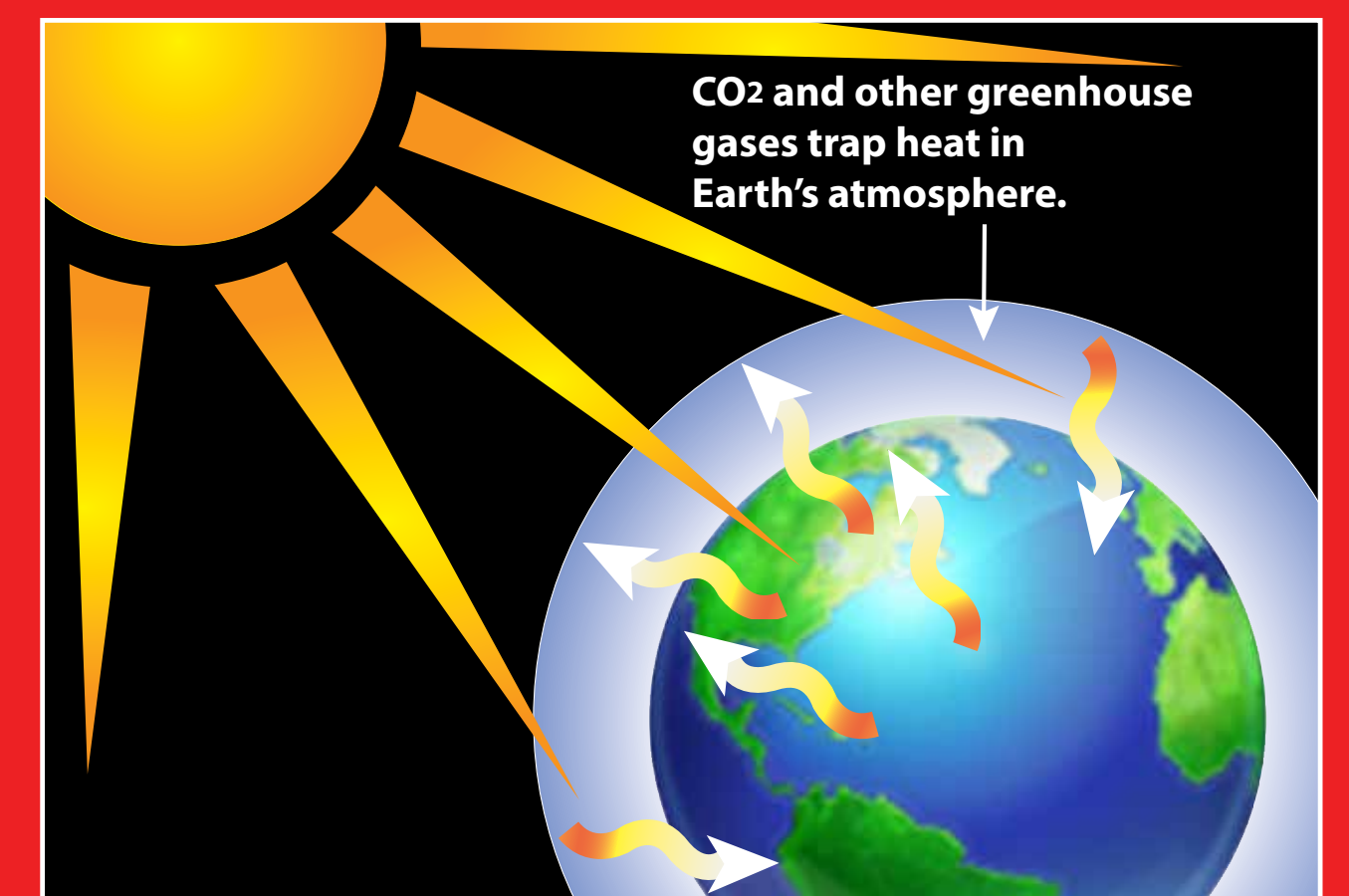


Storm-related winds and pressure changes can push water from the ocean toward shore, causing storm surge.

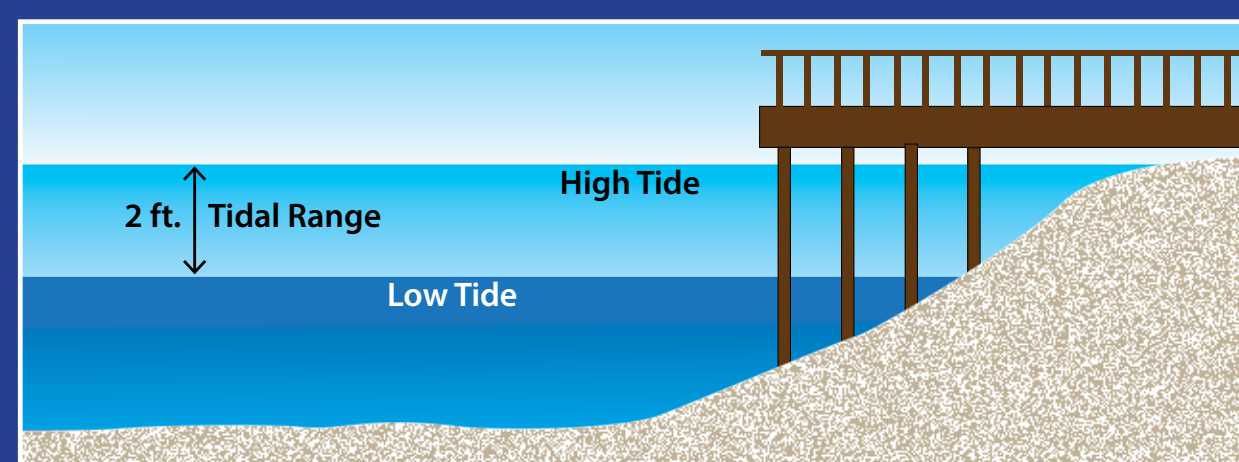
The green 3.30 ft. line on the marker is the storm surge associated with a typical category 1 hurricane at normal tide. A category 5 hurricane could possibly bring more than 20 feet of storm surge. Regardless of the hurricane category, storm surge can be unpredictable and can vary storm to storm.

Climate Change

Scientific consensus shows that when we burn fossil fuels, carbon dioxide is pumped into the atmosphere. This creates a blanket effect, trapping in heat around the world. This heat causes land ice to melt and ocean water to expand resulting in sea level rise and ocean acidification. As indicated by the red lines on the marker, the National Oceanic and Atmospheric Administration (NOAA) projects that the sea levels in Sarasota Bay will rise by 1.26 feet by 2050, 2.14 feet by 2070 and 3.72 feet by 2100. These are compared to 2000 sea levels and based on NOAA's intermediate projections. NOAA's highest prediction is an 8.3 ft. rise in sea levels by 2100.



Tides




Tides are the daily rise and fall of sea levels caused by the combined effects of the gravitational forces of the moon, sun and rotation of the earth. Along Florida's west coast, tides currently rise and fall about 2 feet each day. The blue lines on the marker indicate the average high tide and average low tide levels.




For more information visit the City of Sarasota Sustainability Program at www.sarasotafl.gov or call 941-365-2200

* The North American Vertical Datum of 1988 (NAVD88) establishes a consistent zero point to measure all elevations from, even if the measurements are taken at different times or in different locations. NAVD88 is the respected system of constants for comparing elevations and was used in creating this marker.

Legend

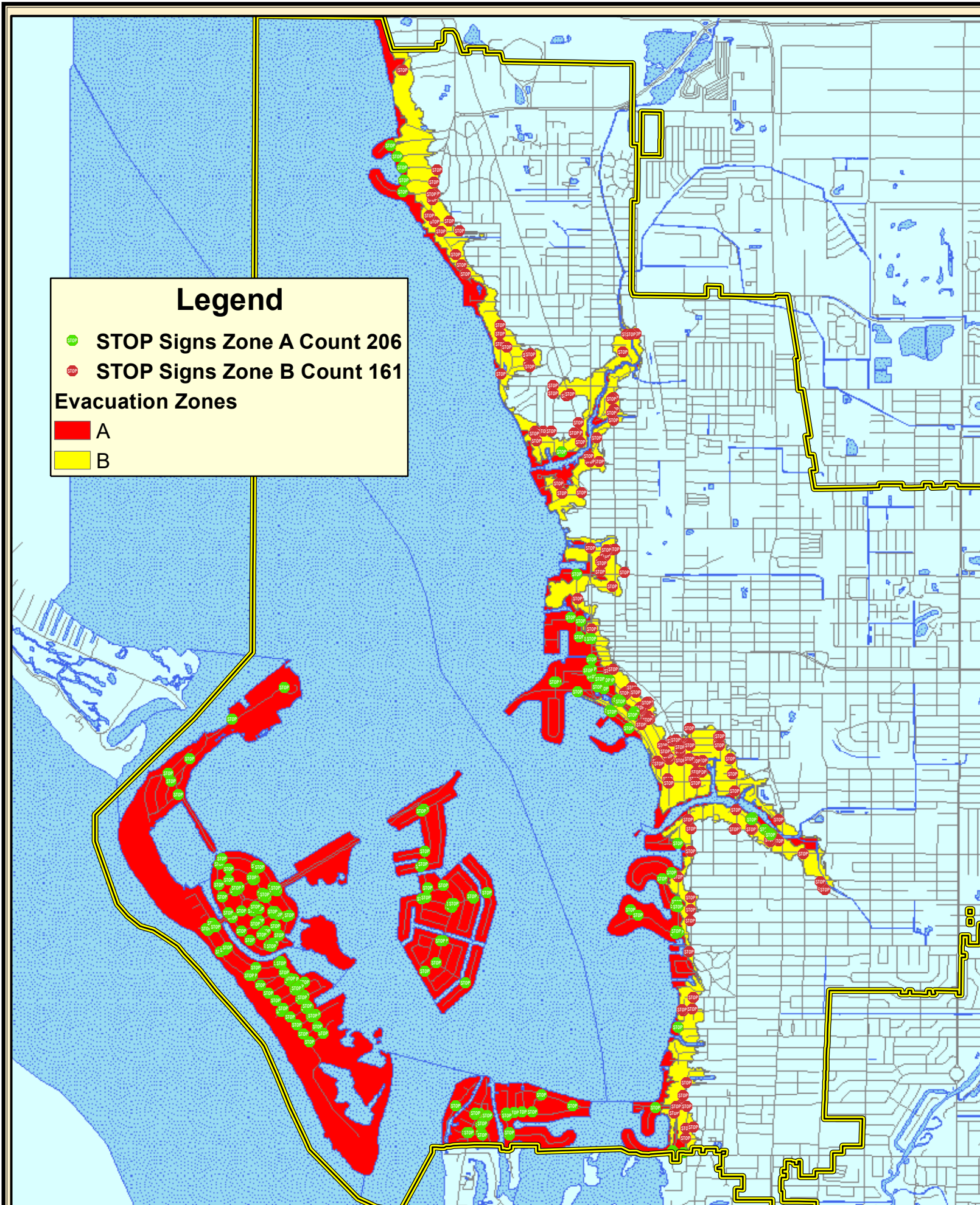
 STOP Signs Zone A Count 206

 STOP Signs Zone B Count 161

Evacuation Zones

 A

 B



**STOP Signs
Evacuation Zones
A & B**

Date: 5/13/2013

0 0.175 0.35 0.7 1.05 1.4 Miles



The National Ready, Set, Go! Program

www.wildlandfireRSG.org



Powered by
the IAFC



The Ready, Set, Go! Program, managed by the International Association of Fire Chiefs (IAFC), seeks to develop and improve the dialogue between the fire service and the residents they serve. The program helps the fire service to reach individuals who live in high risk wildland fire areas – and the wildland urban interface (WUI) – how to best prepare themselves, their families, and their properties against outdoor fire threats.

- **Ready – Be ready.** Take personal responsibility and prepare long before the threat of a wildland fire so your home is ready in case of a fire. Create defensible space by clearing brush away from your home. Use fire-resistant landscaping and harden your home with fire-safe construction measures. Create your Personal Wildland Fire Action Plan:
 - Assemble emergency supplies and belongings in a safe place.
 - Plan escape routes and make sure all those residing within the home know the plan of action and practice it regularly.
- **Set – Situational awareness.** Pack your emergency items. Know how to receive and stay aware of the latest news and information on the fire from local media, your local fire department, and public safety.
- **Go – Act early!** Follow your Personal Wildland Fire Action Plan. Doing so will not only support your safety, but will allow firefighters to best maneuver resources to combat the fire.

Program Resources at your fingertips! Upon joining the RSG! Program, you will receive a toolkit of resources and have access to the program's documents from the website. The tools provide ways to better understand preparedness techniques; identify local partners and audiences; and help with public outreach. The resources are customizable and include:



- **The Ready, Set, Go! Personal Wildland Fire Action Guide** (English and Spanish-languages) – Copies for distribution to your residents are available at no charge.
- **RSG National Video** – Available in English and Spanish-languages.
- **RSG Implementation Guide** – Provides background and steps to consider for easy program execution.
- **Presentation tools, local print media articles, civic group/HOA meeting invite letter, PowerPoint for local presentations, feedback forms, frequently-asked-questions** and more...

Resources
free of
charge to
members

Join the Program!

Take advantage of all the resources available. Visit www.wildlandfireRSG.org and click the join icon to get signed up today!

The National Ready, Set, Go! Program

www.wildlandfireRSG.org



Powered by
the IAFC



Outreach Each member will approach outreach differently based on their ability, their location, and needs of residents. The RSG! Program implementation and outreach guides provide examples to consider. Engaging with the residents you serve will spread the wildland fire safety message and gain beneficial connections before a fire event occurs.

It is important to localize the program message so residents see their fire department, their community, and themselves in its message. The program's outreach tools will greatly assist your efforts. The program encourages the outreach to help deliver the preparedness message and make connections with individuals before a fire event, such as:

- Door-to-Door Outreach
- Tying into an existing department open house event
- Utilizing local print, radio, television, and social media
- Presenting to Homeowner Associations and Civic Groups
- Educating schools and other groups
- Connecting with other preparedness programs



Fire Adapted Communities (FAC) This brings together the federal land management agencies with national organizations and state and local interests to stress that with proper community-wide preparation, human populations and infrastructure can withstand the devastating effects of a wildland fire. The RSG! Program is a national tool for this cohesive effort.

FAC articulates the collaborative community-wide effort message, where all parties, citizens and government, are involved in successfully adapting to their wildland fire challenge. The fire service, local decision makers, the public, and land managers each have an important role to play. IAFC FAC's website, www.iafc.org/fac, provides beneficial resources and information to each group.

❖ **General Staff Information: Email**
RSG@iafc.org, Phone
703.273.0911, Fax 703.273.0920

Partners

