

Resiliency Coordination Forum Series:

**2025 SEA LEVEL RISE AND FLOOD
RESILIENCY PLAN UPDATE**

PUBLIC WORKSHOP

Lower East Coast
February 21, 2025





01

Opening Remarks

Carolina Maran, Ph.D., P.E.

Chief of District Resiliency, SFWMD

Jennifer Jurado, Ph.D.

Chief Resiliency Officer and Deputy Director, Environmental Protection and Growth Management Department, Broward County

Loren Parra, MBA

Chief Bay and Water Resources Officer (Chief Resiliency Officer), Miami Dade County





02

Statewide Resilience Updates

Wes Brooks, Ph.D.,
Chief Resiliency Officer, State of Florida



Statewide Updates



Resilient Florida Program
Florida DEP



Statewide Office of Resilience
Executive Office of the Governor



Florida Flood Hub
USF College of Marine Science



Resilient Florida Program Framework

PLANNING GRANTS

To assist local governments with Vulnerability Assessments, Peril of Flood Comprehensive Plan Amendments

STATEWIDE FLOODING AND SEA LEVEL RISE RESILIENCE PLAN

To assist local governments and eligible entities in implementing projects that address flooding and sea level rise

STATEWIDE DATA SET AND ASSESSMENT

Collection of local vulnerability assessments and data to assist in creating a Statewide Flooding and Sea Level Rise Assessment

REGIONAL RESILIENCE ENTITIES

Technical Support, develop project applications for members and multijurisdictional collaboration

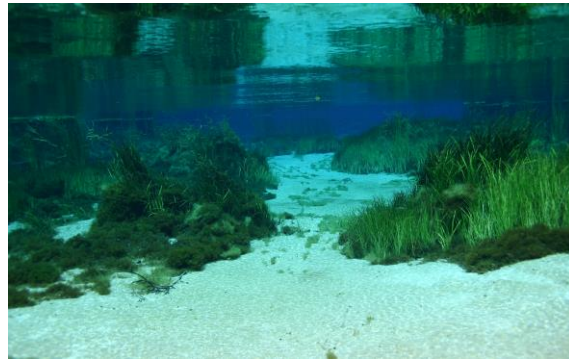
Up-to-date, realistic, and consistent standards and projections of compound flooding





2024 LEGISLATIVE CHANGES

- Defines Florida Flood Hub, clarifies definition of pre-construction activities.
- Adds a new and clarifies other allowable planning grant activities.
- Updates requirements for local government VAs.
- Updates requirements for the statewide flood vulnerability and sea level rise assessment.
- Revises eligibility requirements for the State Plan:
 - Allowance for projects not identified in a completed VA for 2024.
 - Adding a project type for certain named special districts.
 - Modified entities eligible for a match waiver.
- Clarifies entities and activities allowed for RRE funding.





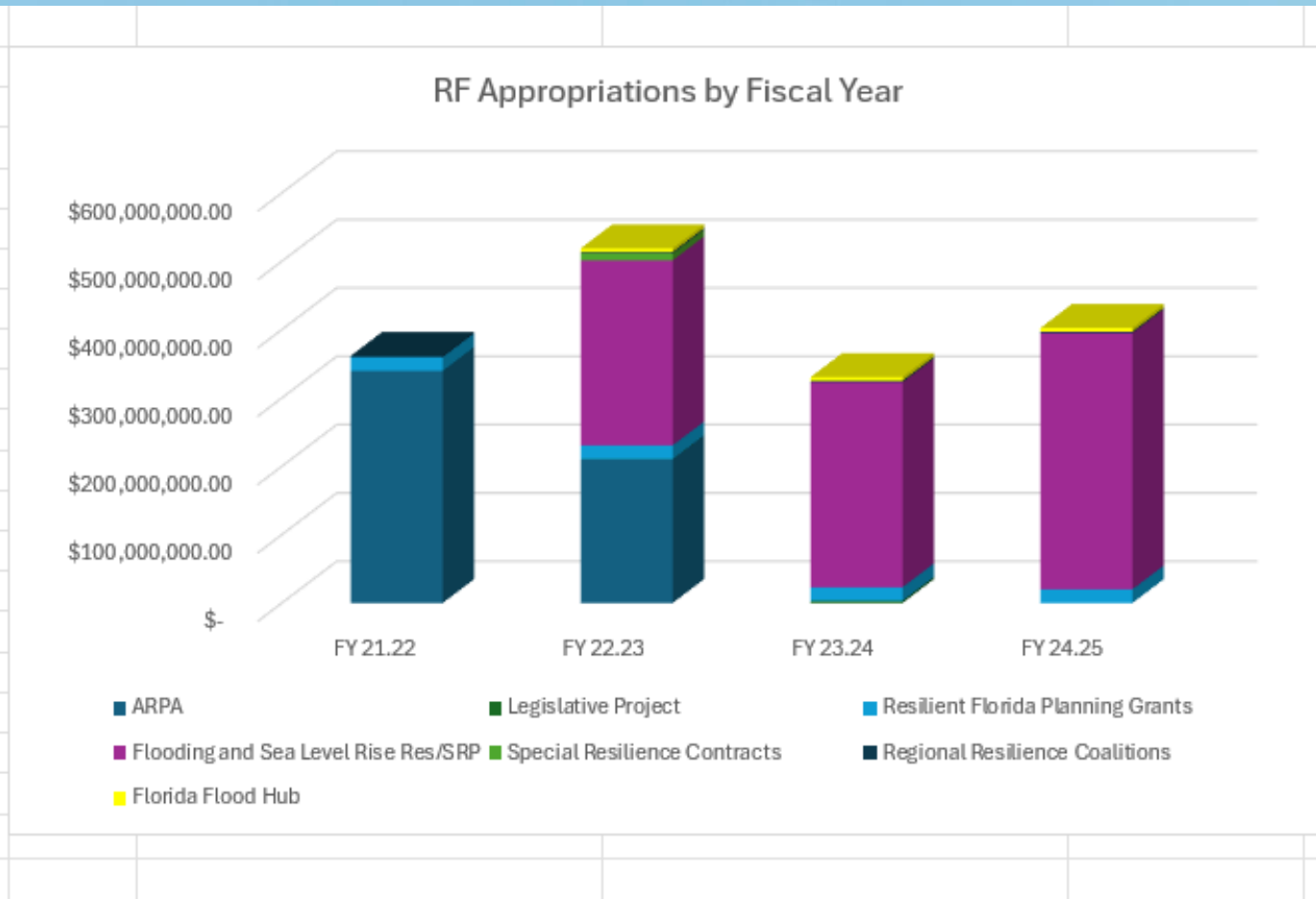
RF Program Grants Summary

Fiscal Year Award	Planning Grants	Implementation Grants	Regional Resilience Entity Grants
2021-2022	98	113	9
2022-2023	131	147	5
2023-2024	75	71	6
2024-2025	64	31	12



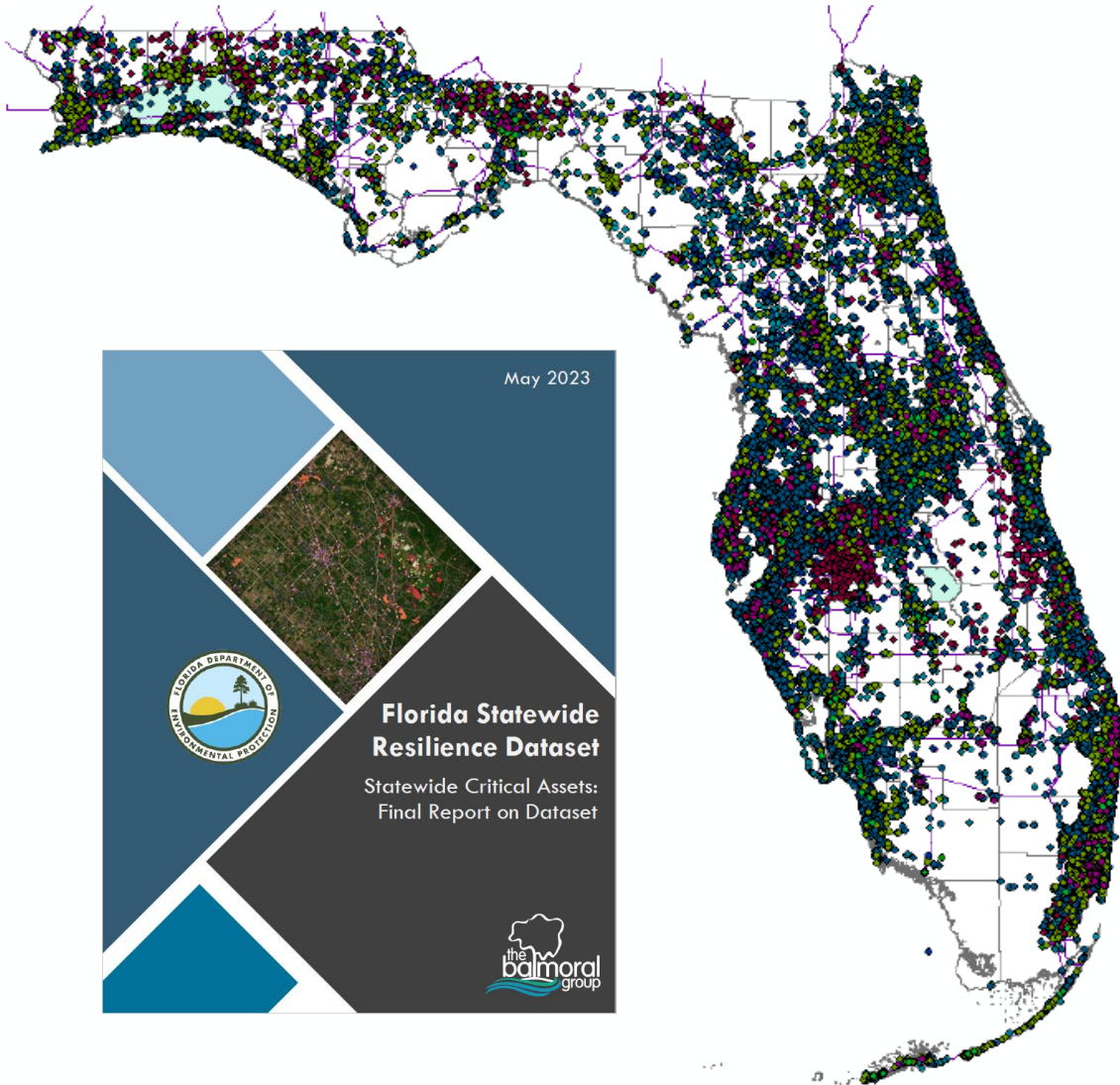
RF Appropriations by Fiscal Year

Fiscal Year	Category	Amount
FY 21.22	Resilient Florida Planning Grants	\$ 20,000,000.00
	ARPA	\$ 339,736,121.56
	Regional Resilience Coalitions	\$ 2,000,000.00
FY 22.23	Legislative Project	\$ 250,000.00
	Resilient Florida Planning Grants	\$ 20,000,000.00
	Flooding and Sea Level Rise Res/SRP	\$ 270,874,990.00
	Special Resilience Contracts	\$ 10,000,000.00
	ARPA	\$ 210,263,878.44
	Regional Resilience Coalitions	\$ 2,000,000.00
	Florida Flood Hub	\$ 5,500,000.00
FY 23.24	Legislative Project	\$ 3,000,000.00
	Resilient Florida Planning Grants	\$ 20,000,000.00
	Flooding and Sea Level Rise Res/SRP	\$ 300,000,000.00
	Regional Resilience Coalitions	\$ 2,000,000.00
	Florida Flood Hub	\$ 5,500,000.00
FY 24.25	Resilient Florida Planning Grants	\$ 20,000,000.00
	Flooding and Sea Level Rise Res/SRP	\$ 375,000,000.00
	Regional Resilience Coalitions	\$ 2,000,000.00
	Florida Flood Hub	\$ 5,500,000.00
Total:		\$ 1,613,624,990.00





COMPREHENSIVE STATEWIDE DATA SET AND ASSESSMENT



- 3.3 million points, polygons and lines representing critical assets.
- Coordinate with FFH for review and hosting.
- Statewide VA completed and available now





COMPREHENSIVE STATEWIDE DATA SET AND ASSESSMENT

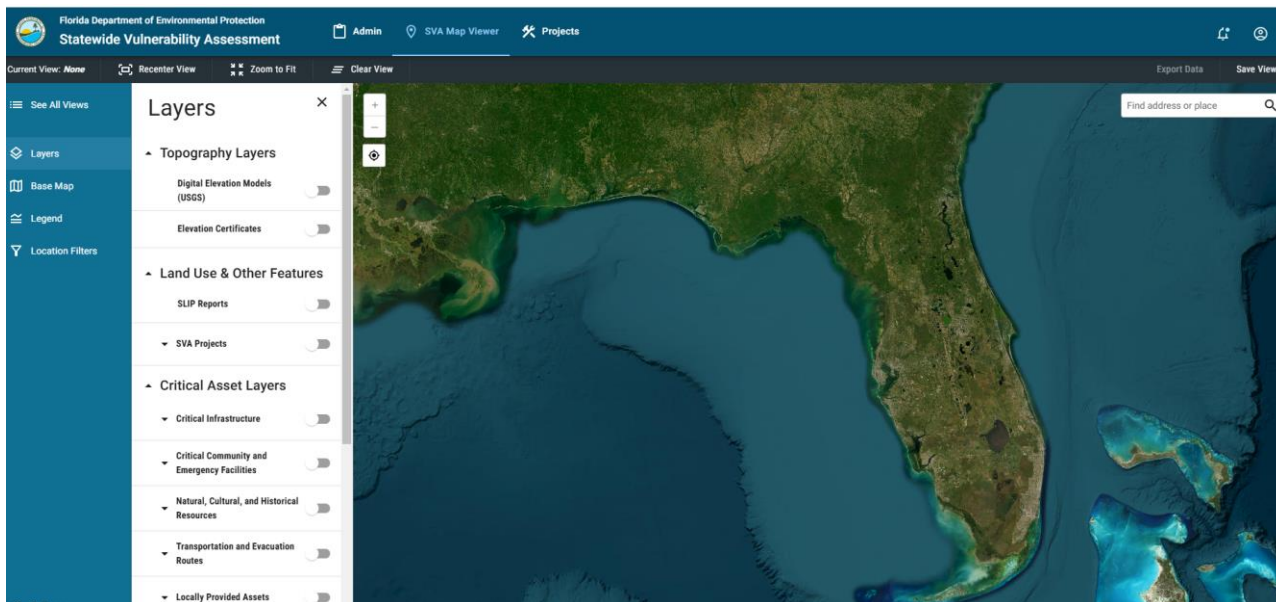
Critical Asset Type	Critical Community & Emergency Facilities	Critical Infrastructure	Natural, Cultural, and Historic Resources		Transportation & Evacuation Routes	
			Buildings	Parcels	Bus Terminals & Marinas	Roadway Intersections
Low	< 3"	< 3"	< 3"	< 25%	< 3"	< 6" of centerline of roadway
Medium	3" – 15"	3" – 18"	3" – 15"	25% – 50%	3" – 15"	0" - 6" above centerline of roadway
High	> 15"	> 18"	> 15"	> 50%	> 15"	> 6" above centerline of roadway

- Different Asset classes evaluated on appropriate exposure based on flood depths
- Each asset evaluated for all scenarios
- Assigned a low/medium/high vulnerability

Overall Risk Assessment	Land Area Inundated (% of site)	Critical Assets Affected (% of total assets or within each asset category)
None	0%	0%
Low	<25%	<25%
Medium	25-50%	25-50%
High	50-75%	50-75%
Extreme	>75%	>75%



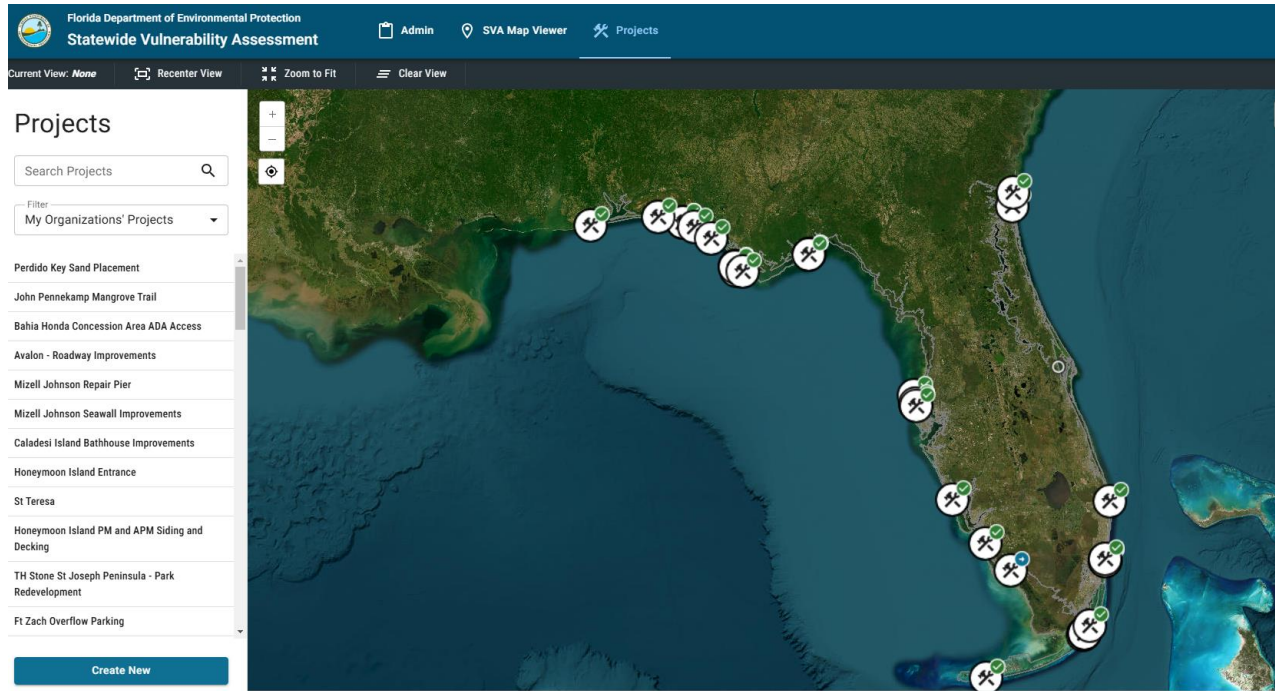
COMPREHENSIVE STATEWIDE DATA SET AND ASSESSMENT



- Tool includes toggle layers for available data
- Friendly GIS-format for easy navigation
- “Smart” Search bar can find places by name instead of address in most cases (like “sea world” or “kennedy space center”)



COMPREHENSIVE STATEWIDE DATA SET AND ASSESSMENT



- Create organizations to track views and projects for SLIP studies
- Admin tools to manage organizations
- Ability to “invite” contractors to join your organization



COMPREHENSIVE STATEWIDE DATA SET AND ASSESSMENT

Florida Department of Environmental Protection
Statewide Vulnerability Assessment

Admin SVA Map Viewer Projects

Approvals
Organizations
Users

Organizations

Active Awaiting Approval Connection Requests

Organization Full Name ↑	Organization Short Name	Organization Type	Primary Ac
City of St. Augustine Beach		Eligible Entity	Bill Tredik
Woodland Business Center		Eligible Entity	Penny Dip
Bermello Ajamil and Partners		Contractor	Jose Lope
City of Ormond Beach		Eligible Entity	Steven Spr
Sands Point Homeowners Association, Inc.		Eligible Entity	Matthew H
City of Satellite Beach		Eligible Entity	Kate Helm
Town of Bay Harbor Islands		Eligible Entity	Katey Earp
Lake County		Eligible Entity	Grace Alter
Miami Dade Fire Rescue Department		Eligible Entity	Rafael Roj
Palm Beach County Parks and Recreation Department		Eligible Entity	Bob Hamill

- Future goal to integrate with existing data systems
- Coordination with Florida Flood Hub Data products
- Start projects and apply for grants in a one-stop shop



Website Resources

Resilient Florida Program

[Home](#) » [Divisions](#) » [Office of Resilience and Coastal Protection](#) » Resilient Florida Program

Resilient Florida Program Quick links

[Resilient Florida Program](#)

[Florida Seafloor Mapping Initiative](#)

[Grants](#)

[Living Shorelines](#)

[Program Resources](#)

[Quarterly Resilience Forum](#)

[Rulemaking](#)

[Sea Level Impact Projection \(SLIP\) Study](#)

Updates:

- **NEW!** [Statewide Vulnerability Assessment and SLIP Report Tool webinar on February 19, 2025!](#)
- [2025 Planning Grant](#) awards announced!
- [2025 - 2026 Statewide Resilience Plan](#) now available!
- DEP's [Comprehensive Statewide Flood Vulnerability and Sea Level Rise Data Set & Assessment](#) is now available.
 - **NEW!** The final report for the [2024 Florida Statewide Vulnerability Assessment](#) is now available.
 - **Password:** StateVA
 - DEP's [Florida Statewide Resilience Dataset Statewide Critical Assets: Final Report on Dataset](#) is now available.
 - A GIS Map Viewer of the data set can be found [here](#).
 - Coming soon - Combined Statewide VA and SLIP webtool.
- Visit the [Resilient Florida Grants Dashboard](#) to see all projects currently awarded (login not required).

- <https://floridadep.gov/rcp/resilient-florida-program>

- Resources all linked on the Resilient Florida Landing Page on the department's website

- See "updates" section at top of page



WEBSITE RESOURCES



NOAA TIDE GAUGE STATION	DATUM	ELEVATIONS ON MEAN SEA LEVEL, 1983-2001 EPOCH (in feet)										Reference Year	NOAA 2022 SLR Scenario
		1992	2000	2020		2040		2050		2070			
8720030 Fernandina Beach, FL	MHHW	3.27	3.36	3.69	3.70	4.10	4.16	4.32	4.45	4.76	5.18		
	MSL	0.00	0.09	0.42	0.43	0.83	0.89	1.05	1.18	1.49	1.91		
	MLLW	-3.29	-3.20	-2.87	-2.87	-2.46	-2.40	-2.24	-2.11	-1.80	-1.38		
	NAVD88	0.53	0.62	0.95	0.96	1.36	1.42	1.58	1.71	2.02	2.44		
8720218 Mayport (Bar Pilots Dock), FL	MHHW	2.48	2.57	2.90	2.91	3.31	3.37	3.53	3.66	3.97	4.39		
	MSL	0.00	0.09	0.42	0.43	0.83	0.89	1.05	1.18	1.49	1.91		
	MLLW	-2.47	-2.38	-2.05	-2.05	-1.64	-1.58	-1.42	-1.29	-0.98	-0.56		
	NAVD88	0.52	0.61	0.94	0.95	1.35	1.41	1.57	1.70	2.01	2.43		
8720219 Dames Point, FL	MHHW	1.80	1.89	2.22	2.23	2.63	2.69	2.85	2.98	3.29	3.71		
	MSL	0.00	0.09	0.42	0.43	0.83	0.89	1.05	1.18	1.49	1.91		
	MLLW	-1.86	-1.77	-1.44	-1.44	-1.03	-0.97	-0.81	-0.68	-0.37	0.05		
	NAVD88	0.38	0.47	0.80	0.81	1.21	1.27	1.43	1.56	1.87	2.29		
8720226 Southbank Riverwalk, St Johns River, FL	MHHW	0.89	0.98	1.31	1.32	1.72	1.78	1.94	2.07	2.38	2.80		
	MSL	0.00	0.09	0.42	0.43	0.83	0.89	1.05	1.18	1.49	1.91		
	MLLW	-1.06	-0.97	-0.64	-0.64	-0.23	-0.17	-0.01	0.12	0.43	0.85		
	NAVD88	0.24	0.33	0.66	0.67	1.07	1.13	1.29	1.42	1.73	2.15		

Florida Flood Hub 2024 RSLR Best Estimates (in inches):	-1.1	0.0	3.9	4.0	5.0	5.6	7.6	9.1	12.9	17.8
	1.1" of RSLR 1992-2000		RSLR 2000-2020		RSLR 2020-2040		RSLR 2020-2050		RSLR 2020-2070	

- SLR projection data for Florida
- Initial release for all active NOAA tide gauges in Florida waters with projected elevations derived from FFH 2024 SLR best estimates for 2040, 2050, and 2070



WEBSITE RESOURCES



<https://bit.ly/RFLgrantsDashboard>



GRANT CYCLE 2025

JUNE 1

Resilient Florida project portal opens to accept Planning applications.

**Governor's Budget:
\$20M**

JULY 1

Resilient Florida project portal opens to accept Implementation applications

**Governor's Budget:
\$200M**

SEPT 1

Applications portal closes and evaluations begin

Projects due to Leg. Governor, Dec 1

THANK YOU



Resilient Florida Program
Office of Resilience and Coastal Protection
Florida Department of Environmental Protection

Contact Information:
Resilience@FloridaDEP.gov
850-245-7600



03

2025 Sea Level Rise and Flood Resiliency Plan Update

Carolina Maran, Ph.D., P.E.,
Chief of District Resiliency, SFWMD

Acknowledgments - Project Team

- Engineering and Construction
- Flood Protection Level of Service/H&H Modeling
- Ecosystem Restoration, Nature-Based Solutions
- Water Supply
- External Affairs/Communications
- Field Operations
- Land Resources/Real Estate
- Operations (Flood Control Systems)
- Emergency Operations Center



Acknowledgment - Project Partners

Comments and Contributions Received

Local Governments / Districts:

- Broward County
- Collier County
- Lee County
- Martin County / Martin MPO
- Miami-Dade County
- Monroe County
- Orange County
- Palm Beach County
- St. Lucie County
- City of Apopka
- City of Fort Lauderdale
- City of Hallandale Beach
- Town of Cutler Bay
- Town of Jupiter
- Village of El Portal
- Florida Keys Aqueduct Authority
- Lake Worth Drainage District
- South Broward Drainage District

NGOs:

- Audubon of Florida
- Center for Biological Diversity
- Coastal and Heartland National Estuary Partnership
- Everglades Foundation
- Everglades Law Center
- Florida Bay Forever
- Florida Veterans for Common Sense
- Friends of Biscayne Bay
- Growing Climate Solutions
- Miami Waterkeepers
- National Parks Conservation Association
- Sanibel-Captiva Conservation Foundation
- South Florida Water Coalition
- South Florida Wildlands Association
- Tropical Audubon Society
- Urban Paradise Guild

Tribes:

- Seminole Tribe of Florida

State Agencies:

- Statewide Office of Resilience
- Florida Flood Hub for Applied Research and Innovation
- Florida Department of Transportation
- Florida Department of Emergency Management

Federal Agencies:

- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service

Planning Councils:

- Central Florida Regional Planning Council
- South Florida Regional Planning Council

Universities:

- University of Miami (2)
- Florida International University

Private Companies (9)

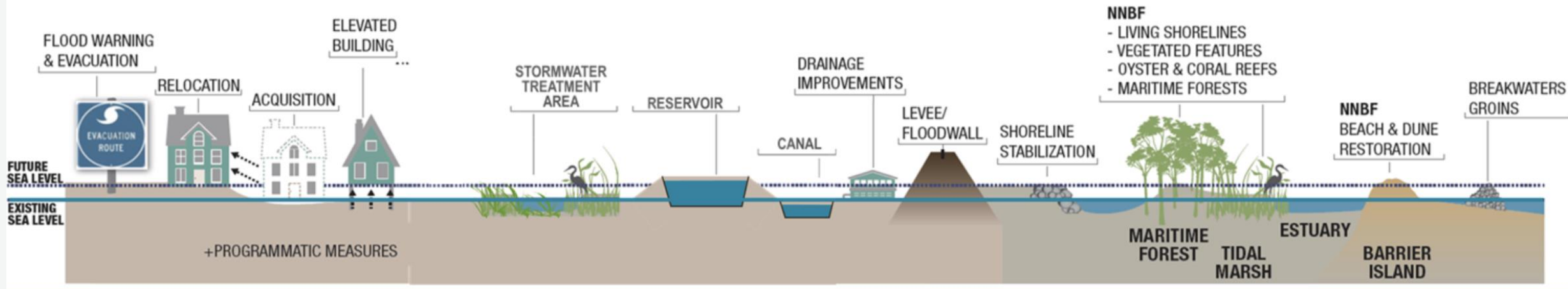
Other individuals (10)



Integrating Local, Regional, Natural, Inland Drainage and Coastal Flood Resiliency Strategies

POTENTIAL MEASURES TO IMPROVE RESILIENCE AND SUSTAINABILITY

Graphic modified from https://ewn.el.erdc.dren.mil/nnbf/other/5_ERDC-NNBF_Brochure.pdf



Need BOTH Structural Measures & Non-Structural Measures
(Moving Flood Risk Away from Communities & Living with the Water)
Along with Nature Based Features



Reducing the risks of flooding, sea level rise and other climate impacts on water resources and increasing community and ecosystem resiliency in South Florida

2025: 5th Year New Update Interval

2024 SEA LEVEL RISE AND FLOOD RESILIENCY PLAN

Building Resilience and Mitigating Risks to South Florida's Water Resources

FINAL SEPTEMBER 1, 2024





DISTRICT RESILIENCY

FIVE YEARS AT A GLANCE



5 MILLION PEOPLE **5.7 MILLION ACRES**

and Over 40,000 Critical Assets

Directly and indirectly benefited by the projects under implementation

OVER 90 PRIORITY PROJECTS

Identified and described in the 2024 Sea Level Rise and Flood Resiliency Plan



\$630 MILLION

In grant funding recommendation, including a District match



77 CONTRACTS

Under execution including vendors, grants and interagency agreements



25 PARTNER AGENCIES



3,700 STAKEHOLDERS



22 WATER AND CLIMATE





4 Studies

FEDERALLY AUTHORIZED

In support of flood risk management being developed alongside 12 flood vulnerability assessments and adaptation planning studies



22 WATER AND CLIMATE RESILIENCE METRICS

Supporting data-driven decisions

3 METRICS FUTURE PROJECTIONS

derived from global climate models to inform rainfall, drought and tide scenario formulation



1st WATER SUPPLY

Vulnerability assessment underway, leveraging 176 billion gallons of CERP regional water storage



8 REAL TIME AUTOMATED & 14 OBSERVED TRENDS

Scientifically described in the SFER (South Florida Environmental Report)



SOUTH FLORIDA FLOOD INFORMATION RESOURCE

1000+ flood observation data points in support of regional operations and long-term resiliency planning



Building Resilience in South Florida Now and in the Future. [SFWMD.gov/Resiliency](https://www.sfwmd.gov/Resiliency)





3a

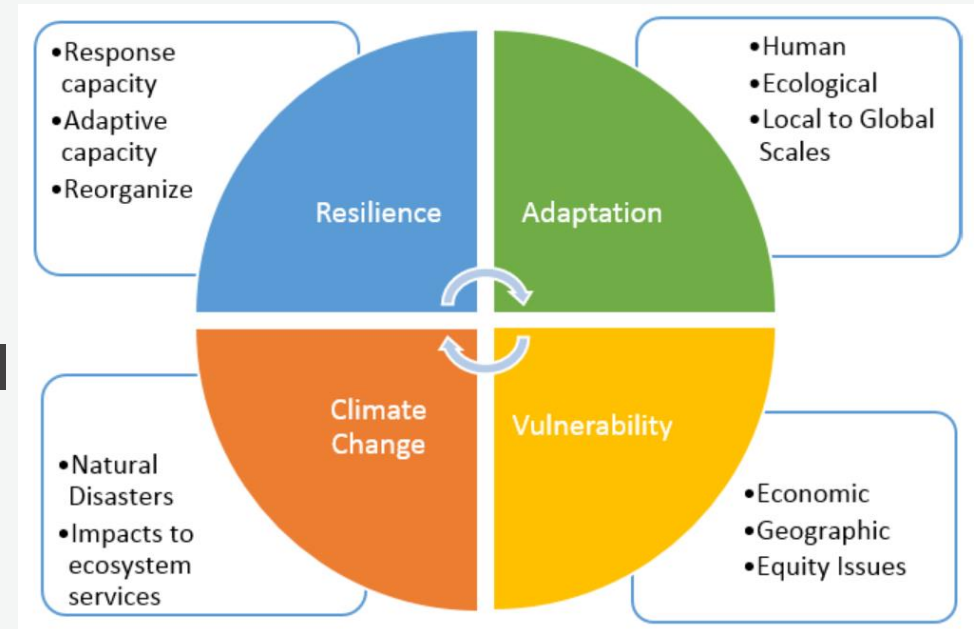
Overview of Resiliency Plan Vision, Goals, and Content

David Colangelo, District Resiliency Plan
Coordinator, SFWMD



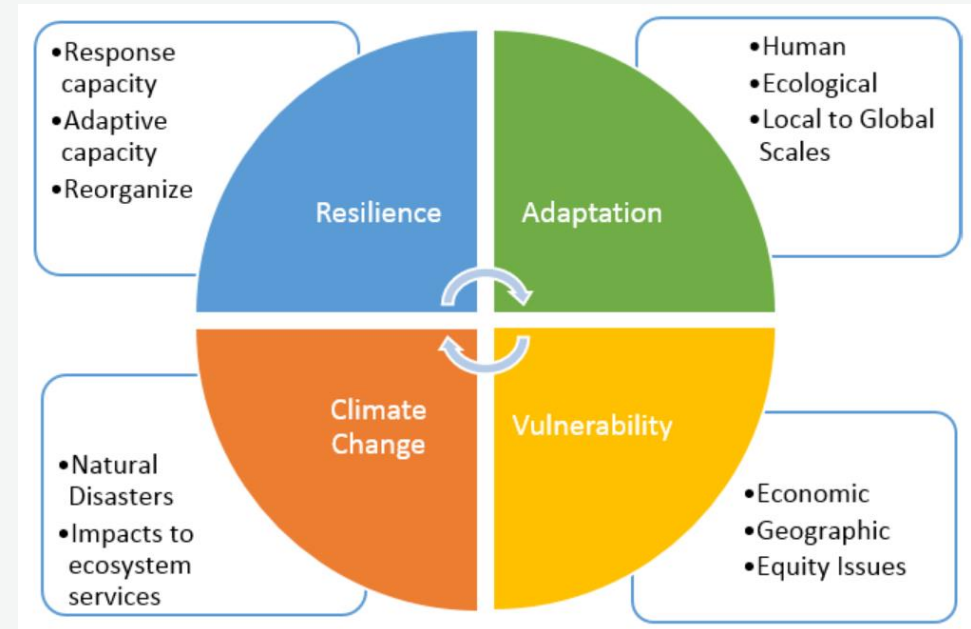
Resiliency Plan Vision and Goals

- Risk Reduction
 - Reduce risk while maximizing effectiveness
- Implementation Resources
 - Project planning and management
 - Consideration of technical, and financial challenges
- Future Conditions
 - Population and land development
 - Climate and sea level rise considerations



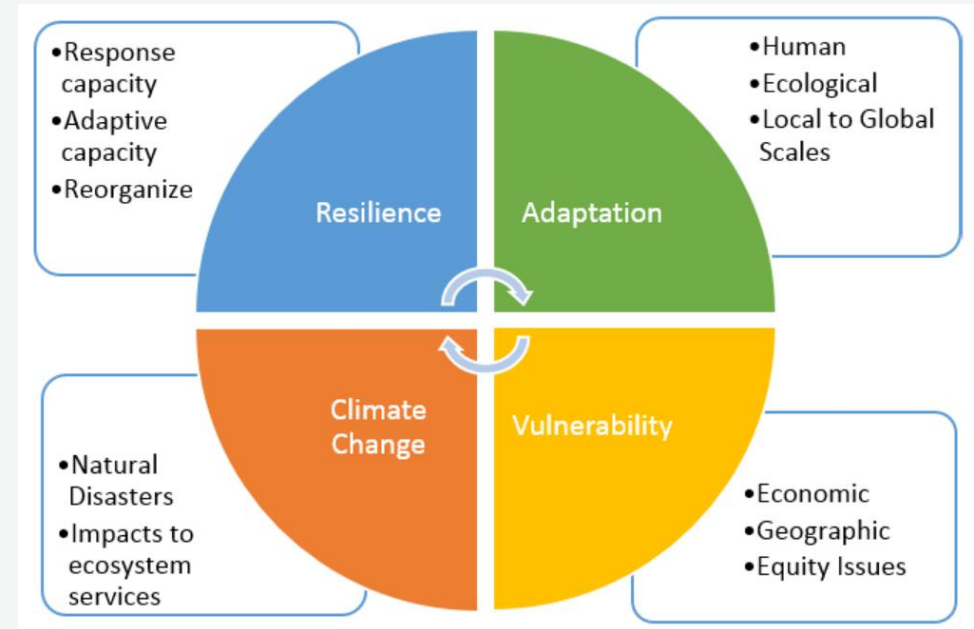
Resiliency Plan Vision and Goals

- Impacted Population and Critical Infrastructure
 - Ensure community-wide benefits
 - Protection of critical infrastructure
- Partnerships and Public Engagement
 - Resiliency Forum
 - Outreach activities
- Leveraging Ecosystem Restoration
 - Ongoing efforts to restore and preserve ecosystems



Resiliency Plan Vision and Goals

- Nature-Based Solutions
 - Incorporate NBS into Projects Concepts
- Energy Efficiency/Renewable Energy
 - Follow latest building codes
 - Energy efficient designs
 - Offset new energy demands with available renewable energy solutions



2024 Resiliency Plan Content

- Overview of Central and South Florida and Big Cypress Basin Systems
 - Current Challenges and Limitations
 - Capital Improvement Plan
- Overview of Flood Protection Level of Service and Other Flood Risk Management Studies
- Nature-Based Solutions
 - Types of NBS and How They Integrate with Gray Infrastructure
 - Process for Assessing and Implementing and Evaluating NBS
- Ecosystem Restoration & Resiliency

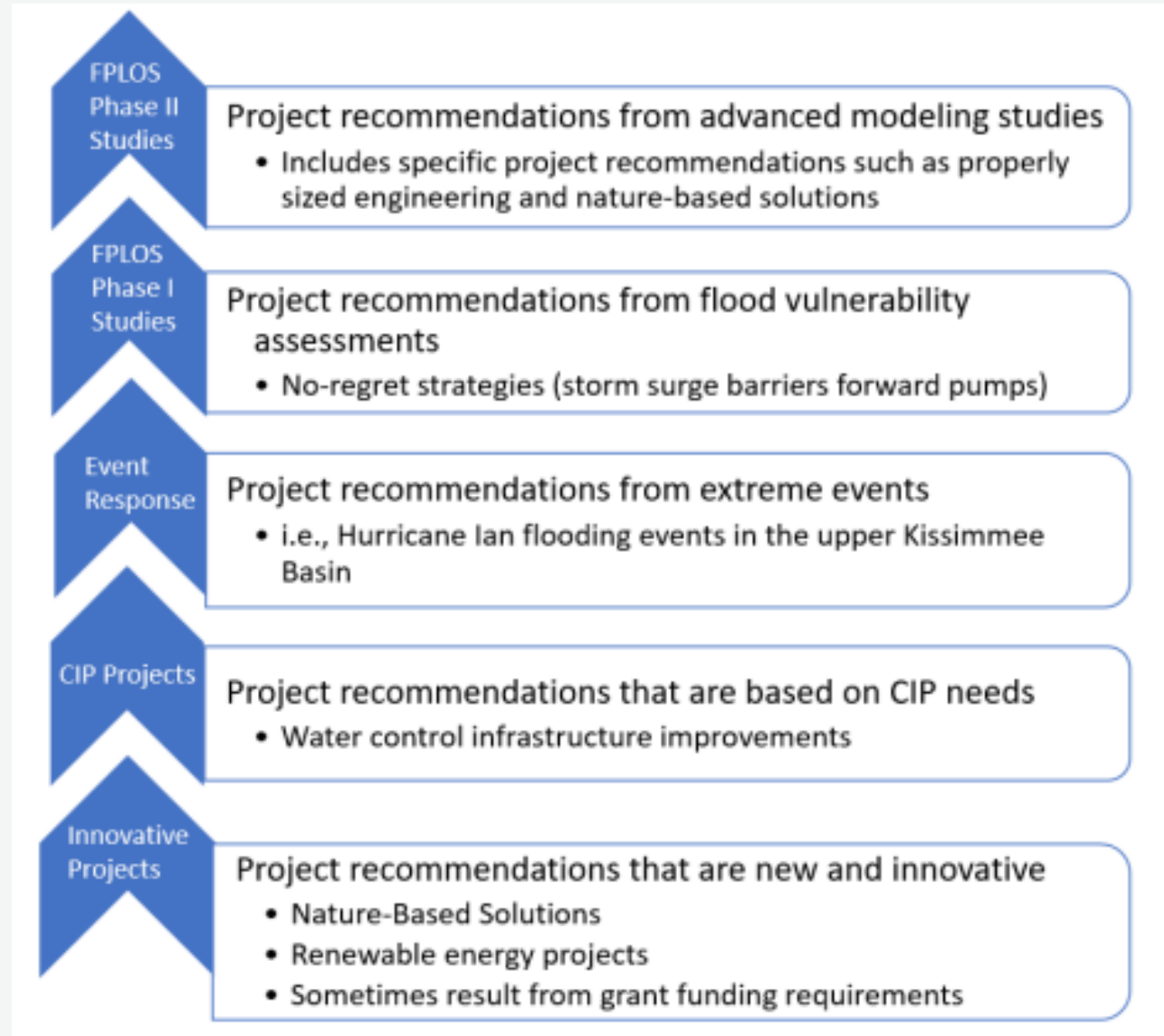


Resiliency Plan Content

- Water Supply Resiliency
 - Understand Vulnerabilities to Future Conditions
 - Protect Existing Sources, Develop Alternatives and Storage of Excess Water
- Energy Efficiency and Renewable Energy
- Characterizing and Ranking Resiliency Projects
- Priority Project Descriptions and Cost Estimates
- Priority Planning Project Descriptions and Cost Estimates



Projects Development



Important Dates – Submit your Comment

- February/March – Public Workshops & Early Input
- May 20, 2025 - Draft Plan Presented at Resiliency Forum and Open for Comments
- June 25, 2025 - Public Comment Period Closes
- September 1, 2025 - Final Plan Submission





3b

Project Development & Tools for Flood Risk Management Studies

Francisco Pena Guerra, Ph.D., Resiliency
Project Manager, SFWMD



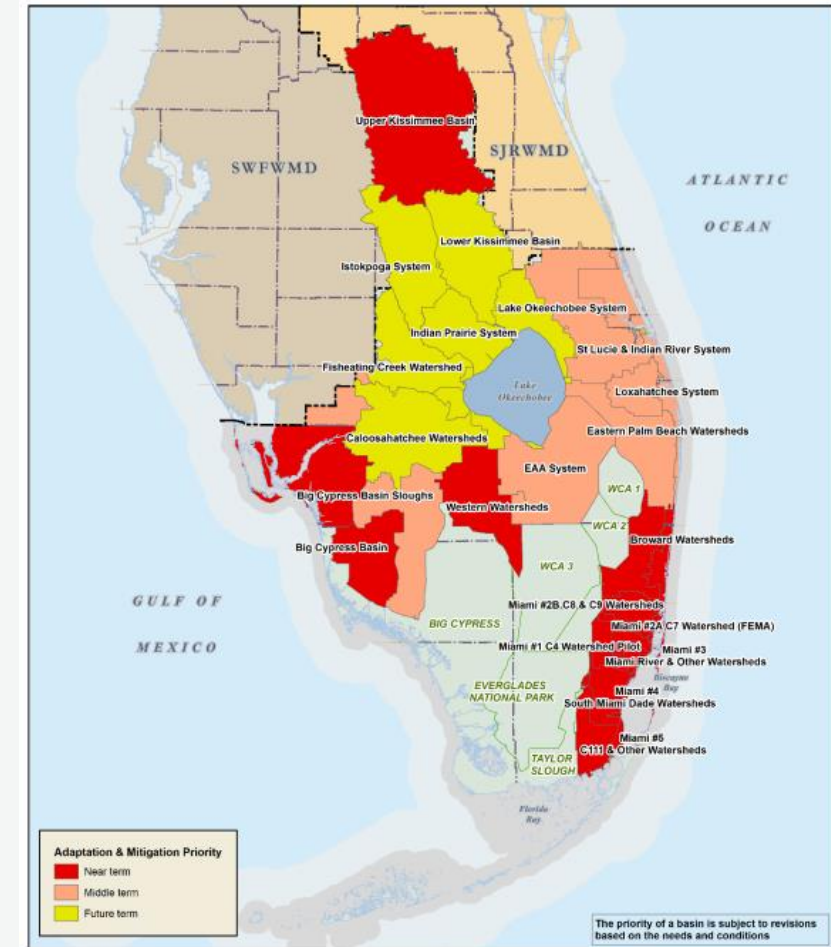
Flood Protection Level of Service Program

SFWMD's strategy for assessing the impacts of land development and changing climate on flood control infrastructure

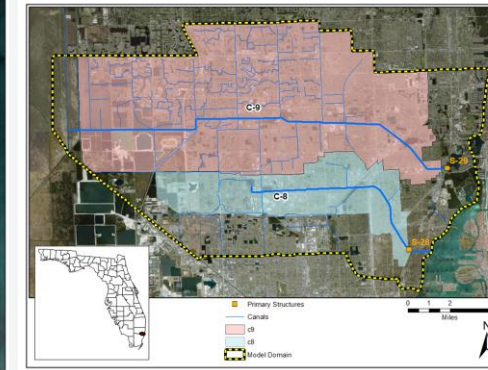
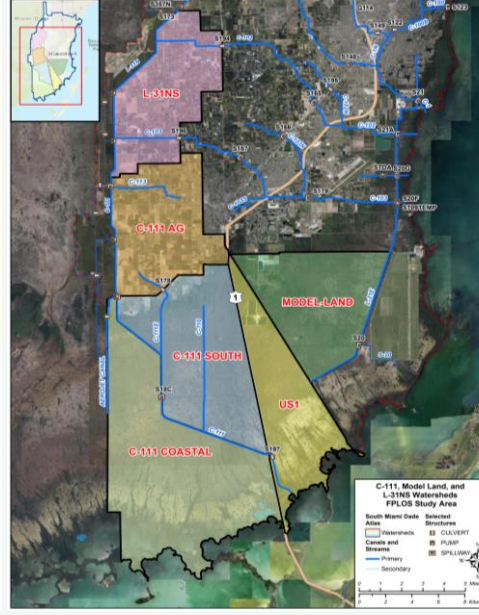
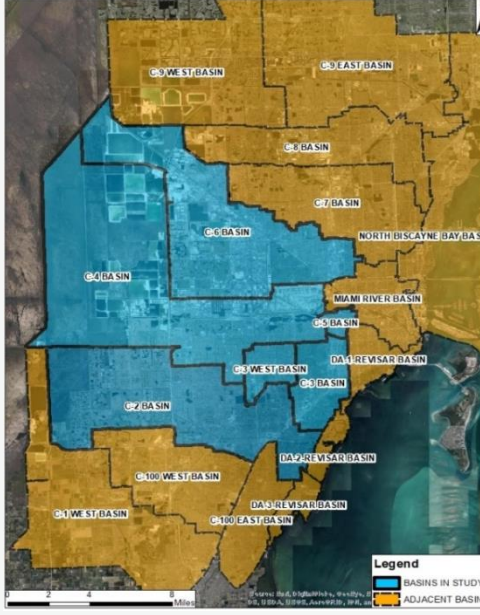
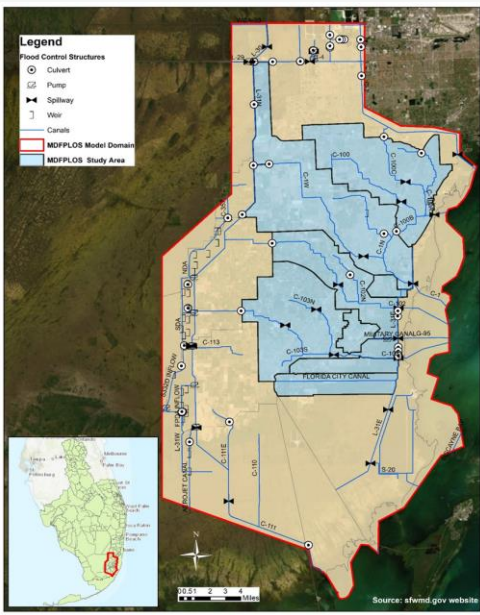
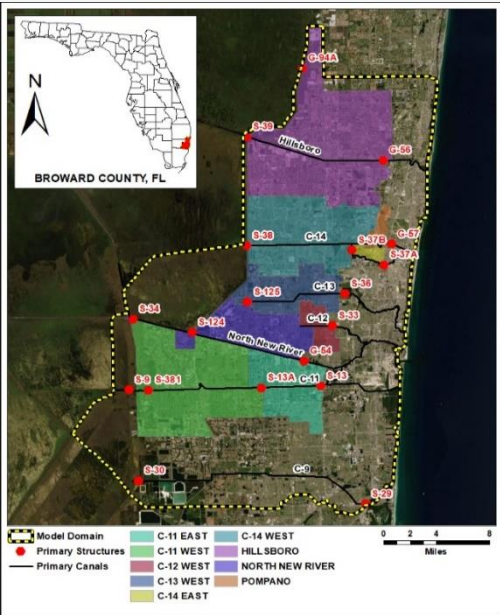
Evaluate current and future flood risks to communities in South Florida

- Pre-defined performance metrics: canal stages, discharge capacity, overland flood inundation and duration
- Considers rainfall, groundwater levels, tides, storm surge and sea level: compound flooding analysis
- Basin-wide integrated modeling: supports the assessment of structural, non-structural and nature-based solutions

Support decision making on prioritizing and sequencing infrastructure investments



Completed FPLOS Studies



Lead PM: H. Zhao

FPLOS for Nine Basins in Broward County

**Completed:
September 2021**

Lead PM : L. Brion

FPLOS for C-1, C-100, C102, and C-103 Basins

**Completed:
September 2021**

Lead PM : R. Arteaga

C2, C3W, C4, C5 and C6 Watersheds

**Completed:
September 2022**

Lead PM : C. Ballard

C-111, Model Land, and L-31NS Watersheds

**Completed:
December 2023**

Lead PM: H. Zhao

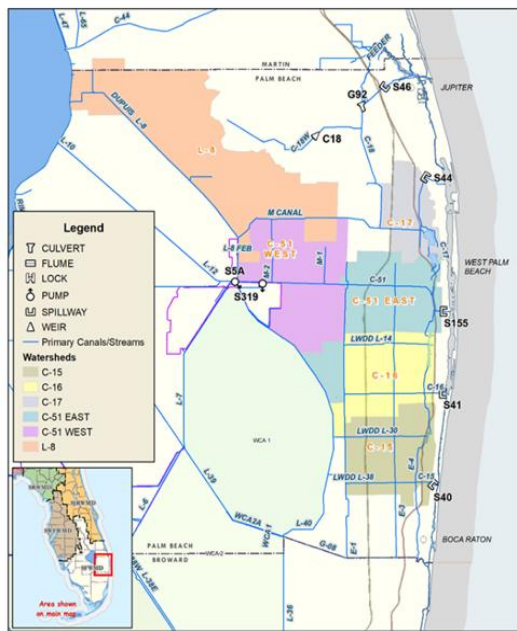
C8/C9 Basins FPLOS Phase I

**Completed:
C8/C9 Adaptation & Mitigation (Phase II)**

**Completed:
July 2023**

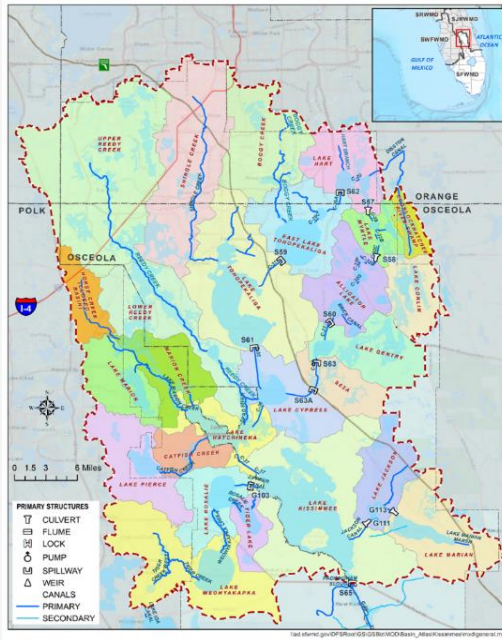


Ongoing FPLOS Studies



Leading PM: S. Haji Mirzaie
Eastern Palm Beach County

Completion date: March 2025



Leading PM: S. Nair
Upper Kissimmee Basins

Completion date: April 2025

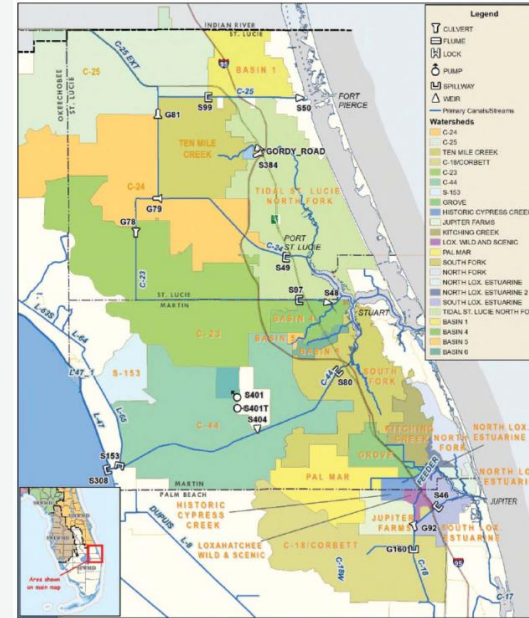
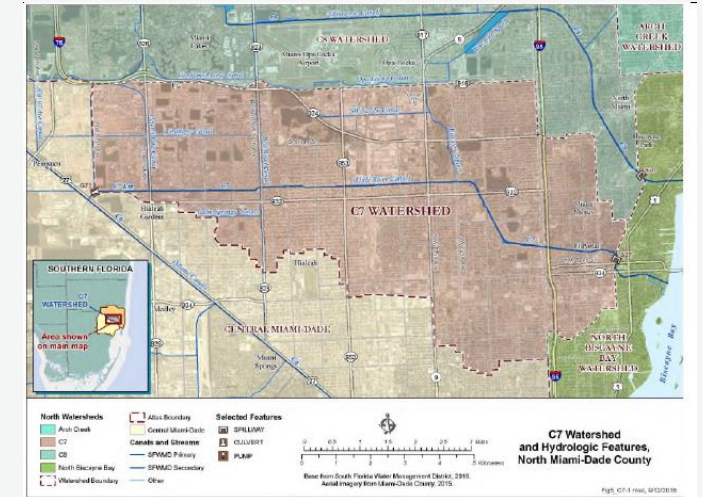


Figure 1: St Lucie/Indian River and Loxahatchee System FPLOS Study Areas

Leading PM: S. Haji Mirzaie
St Lucie/Indian River and Loxahatchee System

Completion date: Sep. 2025



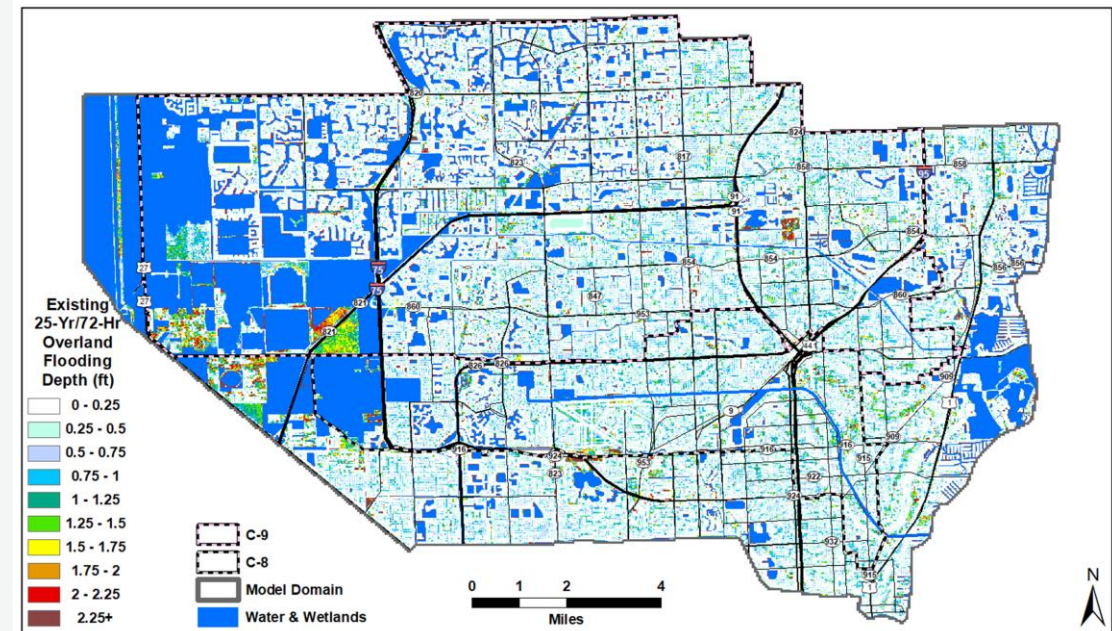
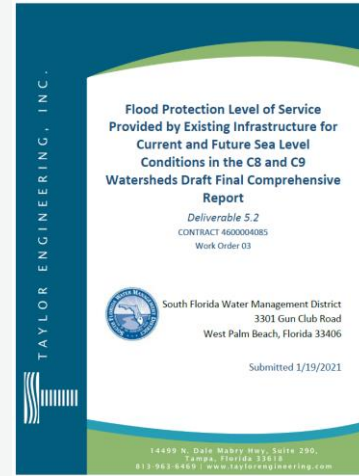
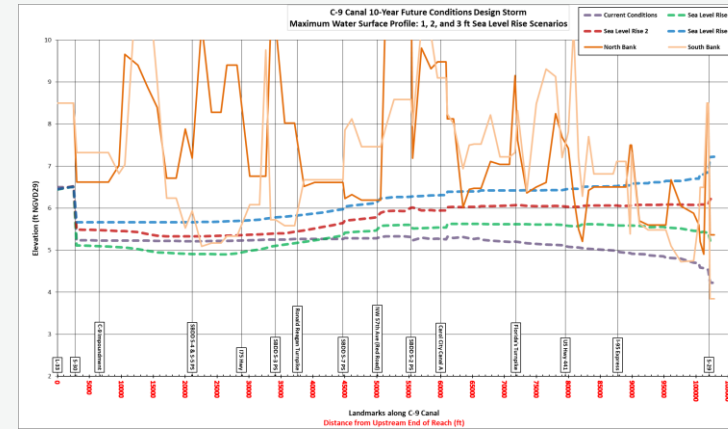
Leading PM: A. Springston
C7 Adaptation and Mitigation Study

Completion date: Sep. 2025



FPLoS Phase I Study

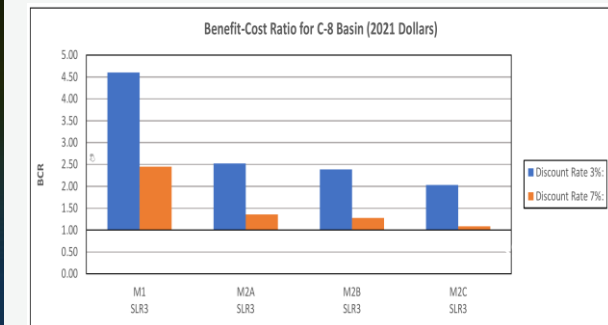
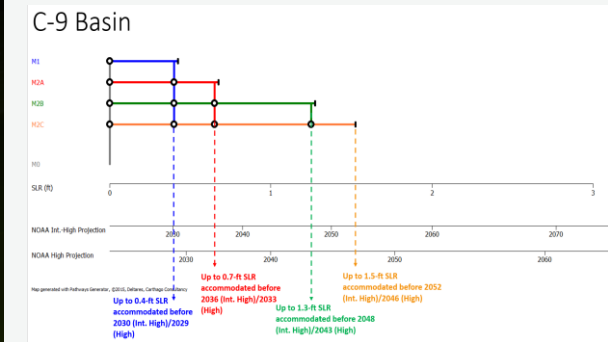
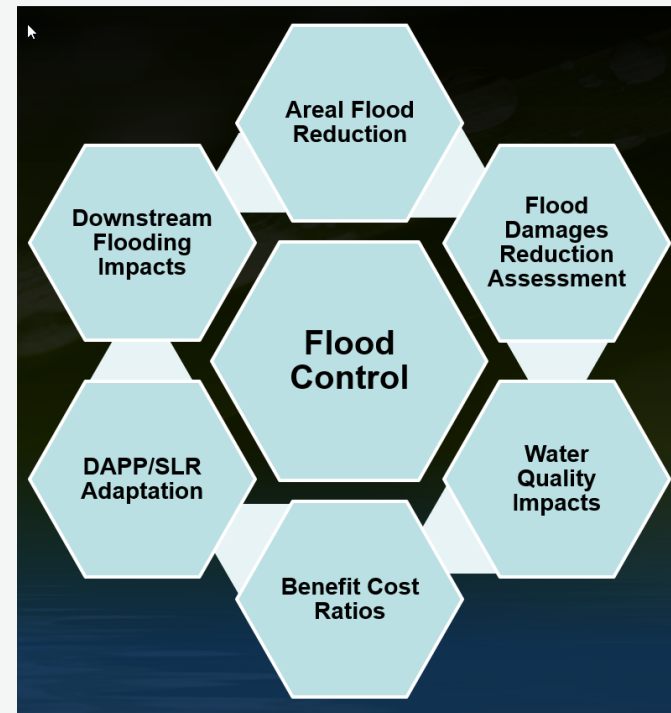
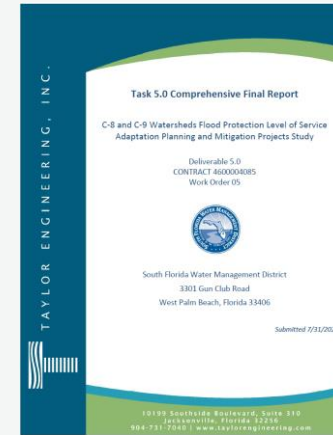
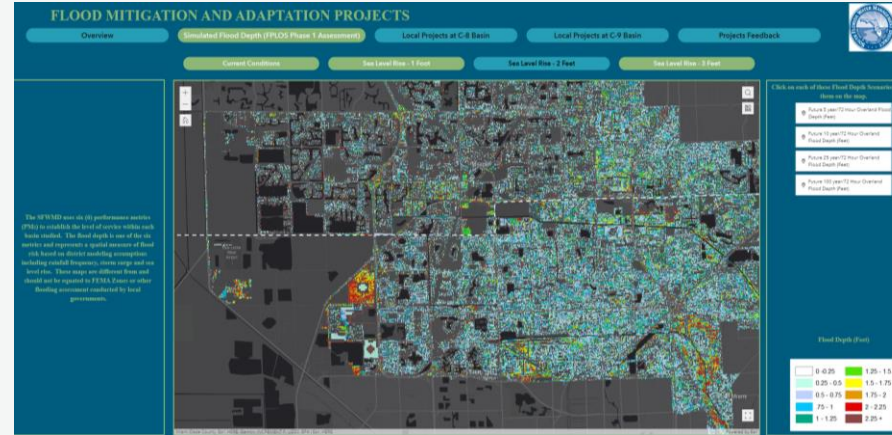
- Flood Vulnerability Assessment
- Performance Measures evaluated for 5-YR, 10-YR, 25-YR and 100-YR design storms under current and future conditions (SLR +1ft, +2ft and +3ft) and rainfall increase
- Performance Metrics:
 - PM#1: Max Stage Profiles for Primary Canal Network
 - PM#5: Flood Inundation Maps
 - PM#6: Flood Duration

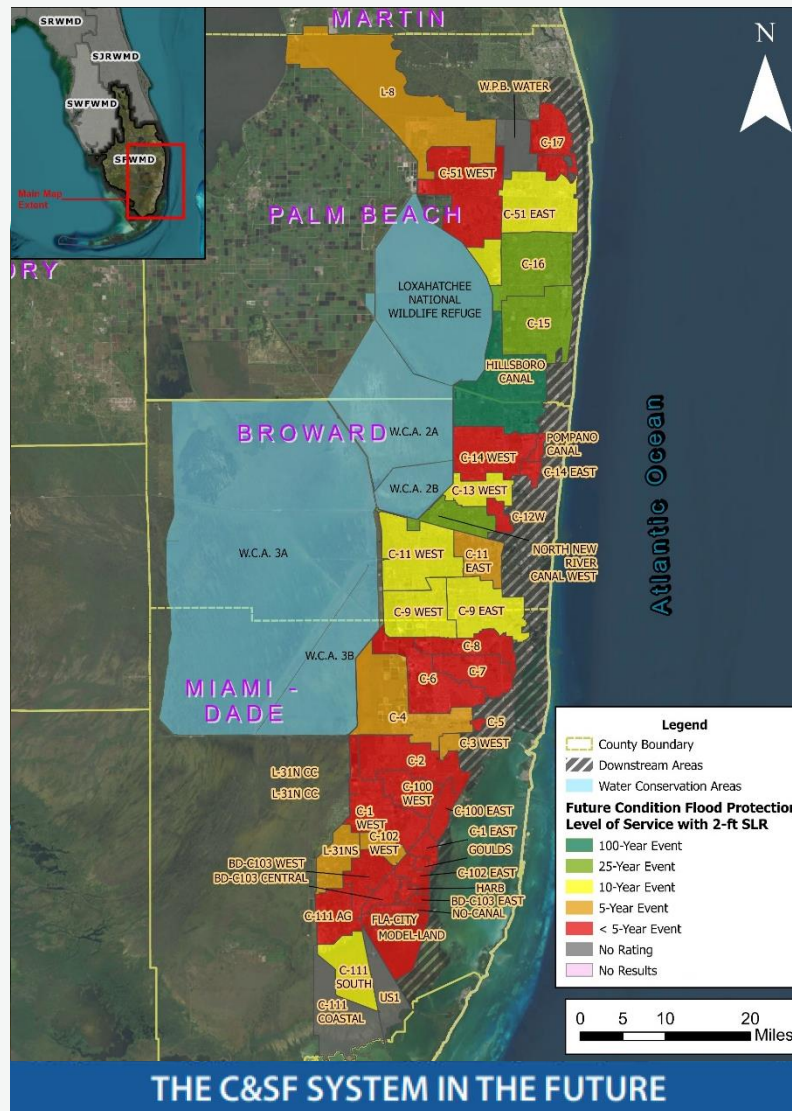
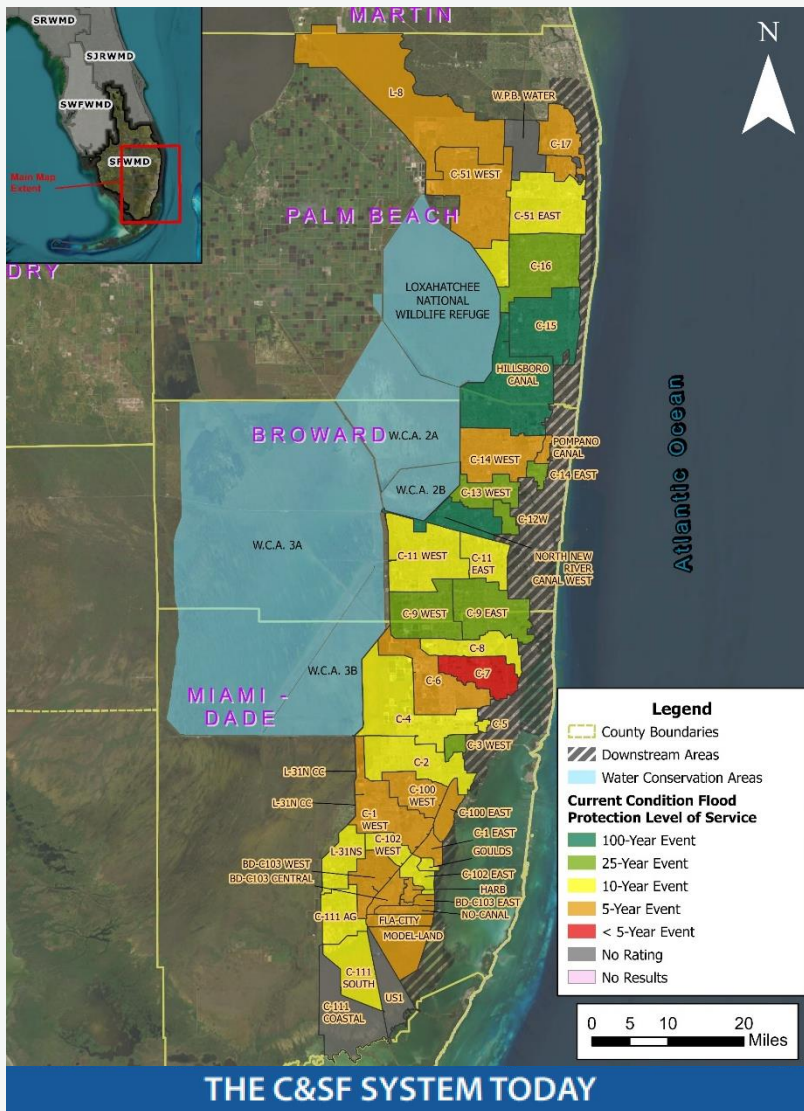


FPLoS Phase II Study

- Adaptation Planning and Mitigation Projects Study (7/2023)

- Understand Local & Regional Priority needs
- Basinwide Comprehensive Assessment Strategy

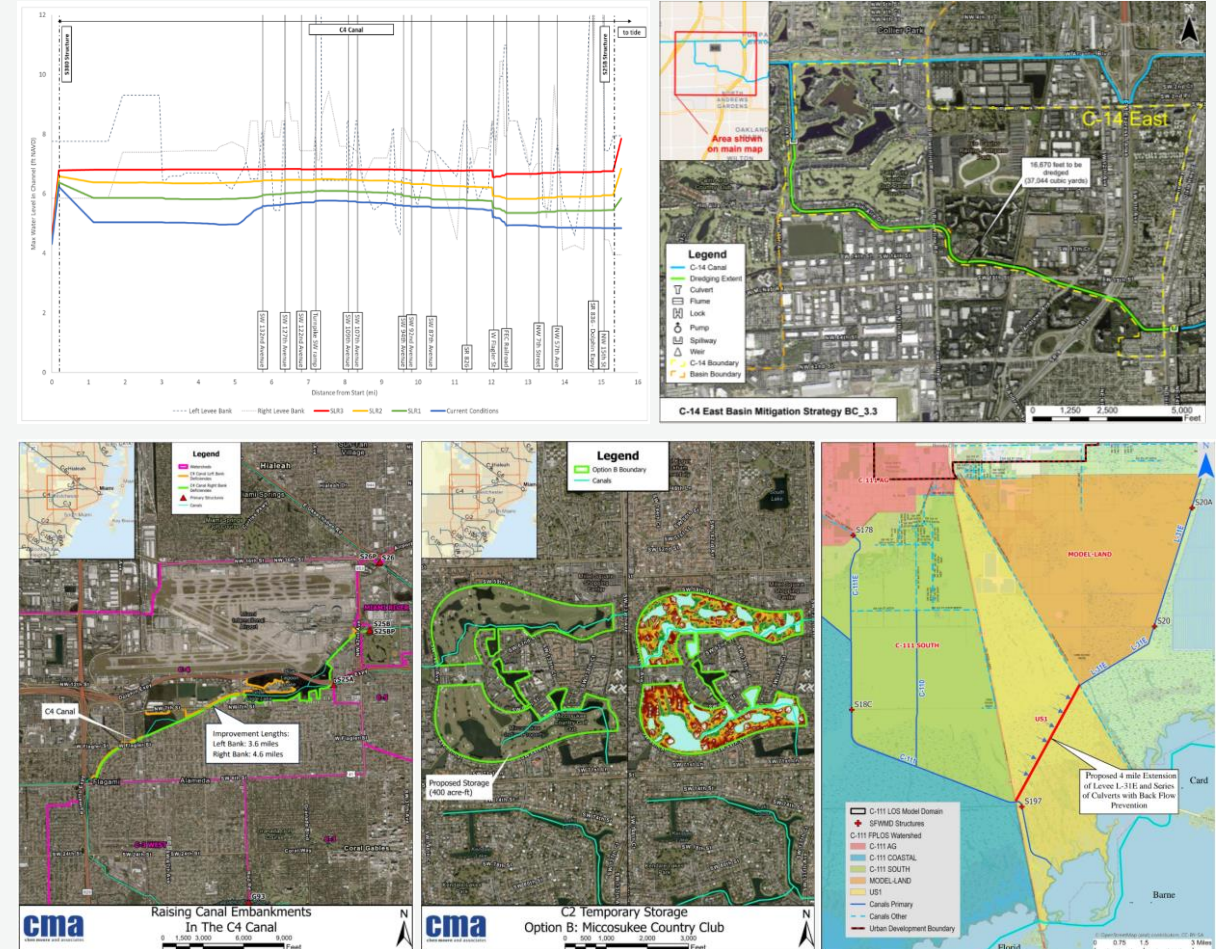




FPLoS Results – Current and Future Conditions

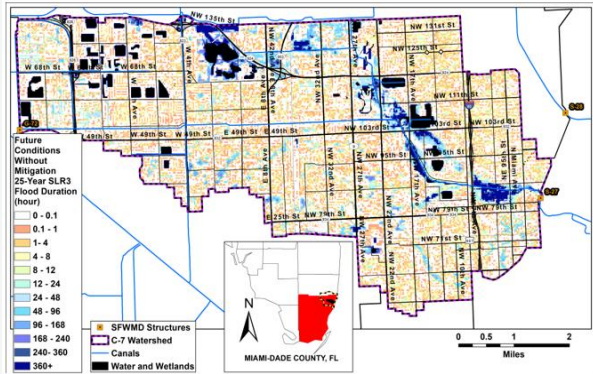
Project Recommendations

- Added project component descriptions and high-level cost estimates from FPLOS Phase I Studies and Phase II recommendations
- Costs estimate assumptions for **8 types of project components** (canal widening, canal bank enhancement, spillway, culvert, forward pump, dredging, distributed storage and storage areas).
- **Total main projects – 43**
- **Total components – 88**

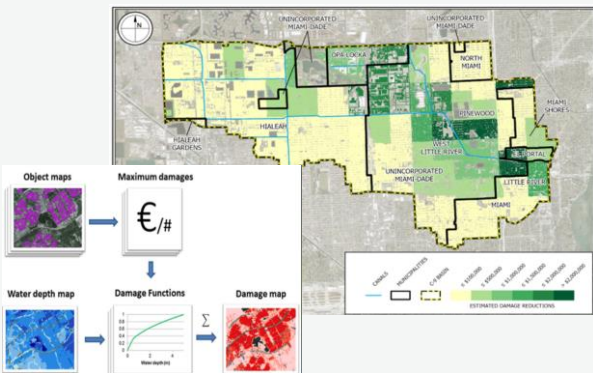


Assessing Project Feasibility – Funding Path

Technical Feasibility Memo



Damage Assessment Memo



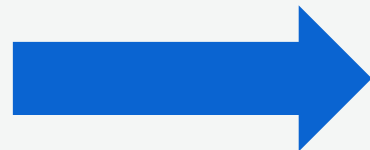
Incentivize public infrastructure projects (flood risk reduction)

Incentivize projects that mitigate risk to critical infrastructure

Innovative Solutions & Future Conditions

Incentivize projects that incorporate nature-based solutions

Shared responsibilities, community capability and partnership

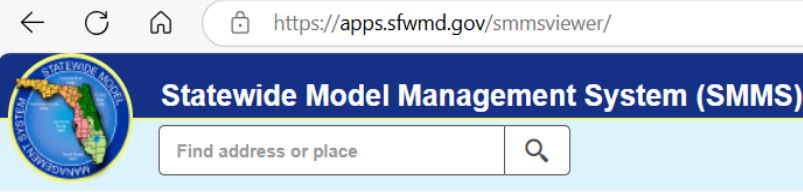


BCA ≥ 1

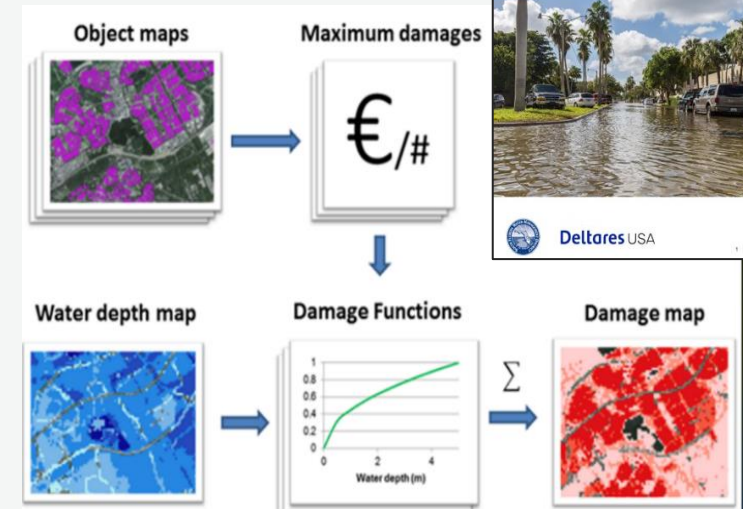


Technical Products

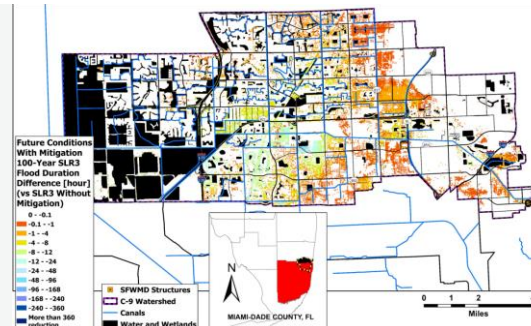
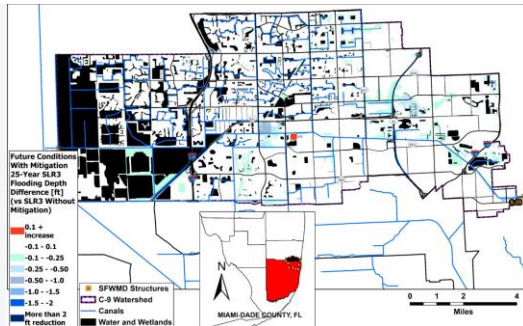
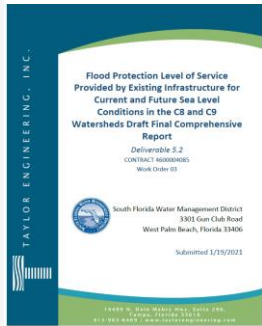
Tools



Flood Damage & Exposure Database



Reports, Models & Results



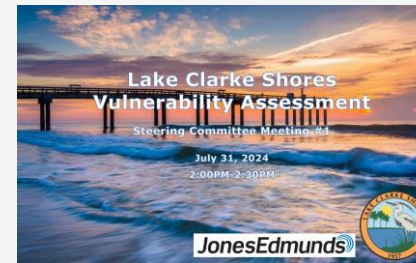
To Support Local Vulnerability Assessments



St. Cloud Vulnerability Assessment

Steering Committee Meeting #1

September 20, 2023





3c

Stakeholder Coordination

Nicole Cortez, Resiliency Coordinator, SFWMD



Building Stronger Connections for Effective Results

Focus of Engagement Efforts

- Enhancing information flow
 - Learning from one another
- Aligning local and regional agendas
 - Fostering coordination between local and regional projects and initiatives



Approach

- Building strong partnerships
 - Incorporating local input and knowledge
 - Close collaboration and agreements with local governments/organizations

Goal

- ***Maximizing our collective impact***

South Florida Resiliency Coordination Forum

A fact-finding forum for collaboration between the SFWMD and local, state, federal, and tribal partners on water management resiliency.



- **Regional Coordination:** Strengthening partnerships across the region.
- **Leveraging Technical Knowledge:** Sharing expertise on resiliency and water management.
- **Information Exchange:** Promoting the flow of data and insights for decision-making.
- **Supporting Actionable Solutions:** Identifying tangible, asset-level solutions to enhance water resource management.

Resiliency Coordination Forum (continued)

2025 Sea Level Rise and Flood Resiliency Plan Update Workshops:

- Workshop #1 – Lower East Coast – February 21, 2025
- Workshop #2 – Upper East Coast – February 25, 2025
- Workshop #3 – Southwest Coast – February 27, 2025
- Workshop #4 – Kissimmee River Basin – March 7, 2025



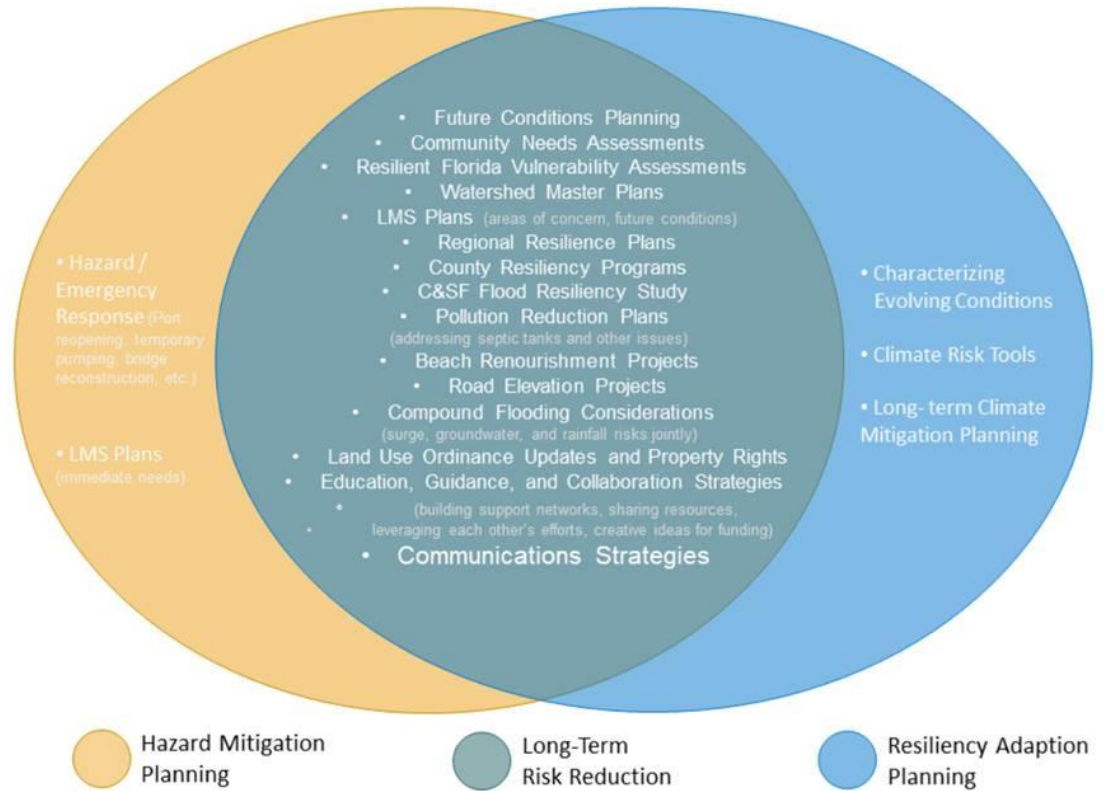
Upcoming Quarterly Meetings:

- Wednesday, May 28, 2025
- Wednesday, September 3, 2025
- Wednesday, December 3, 2025



Local Mitigation Strategies Committees Coordination

HAZARD MITIGATION & RESILIENCY ADAPTATION PLANNING



Long-Term Risk Reduction

- Committee Membership & Attendance
 - Active participation in LMS Committees
- Adoption of County LMS Plans
 - Aligning with local mitigation strategies
- Incorporating Regional Resilience Projects
 - Ensure priority resiliency and post-disaster projects are integrate into local plans

Flood Resiliency Studies Engagements

C&SF Flood Resiliency Studies
Sections 216 and 203

FPLOS Phase II Adaptation &
Mitigation Planning Studies

Other FRM
Studies

Engaging Local Governments:

- Share data, tools, resources, knowledge
- Contribute valuable insights on risks and vulnerabilities

Community-Driven Planning:

- Provide input on goals and actions to mitigate risks
- Align local projects and priorities for regional adaptation

Developing Actionable Projects:

- Refine adaptation and mitigation projects based on local input
- Maximize benefits, locally integrated strategies



Tools & Resources for Wet & King Tide Season

Resilience Metrics Hub

sfwmd.gov/ResilienceMetricsHub

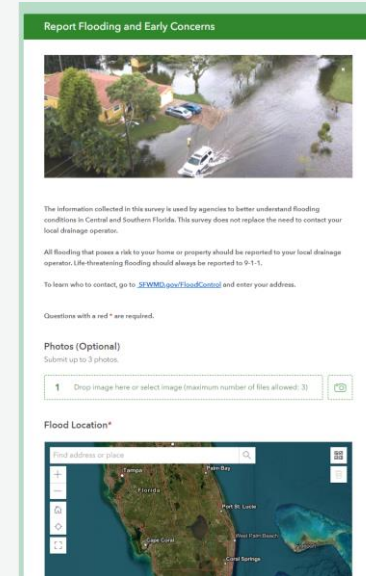
- Access Water and Climate Resilience Metrics – long term trends and projections

Flood Specific Tools & Resources

- Access Flood Observations: sfwmd.gov/FloodResources
- Submit real-time flood data: sfwmd.gov/FloodingApp

Tidal Predictions

- Stay informed on high tide events: sfwmd.gov/HighTidePredictions



South Florida Flood Information Resource

A resource for collecting and consolidating flood observations to help us better understand evolving flood patterns associated with King Tides, Rainfall, Tropical Storms, Hurricanes and Storm Surge.

Local Contact Viewer

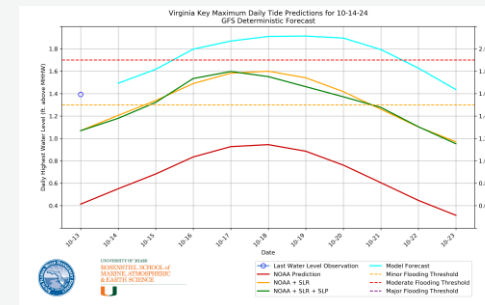

Who to Contact about Flooding in your area:

Use this application to enter an address or location and be returned contact information for local governments and 298 / Special Districts responsible for addressing flooding at this location.

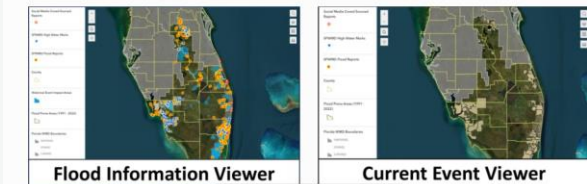
Photos and Flood Observations:

Click or scan this QR code to upload photos or submit information about flooding and/or flooding concerns in your area.

To provide information and photos for past events, please contact Resiliency@sfwmd.gov.



Flood Information and Current Event Viewers: Simple viewer applications designed for exploration of publicly shared Flood Information Repository content.



Tools & Resources for Wet & King Tide Season

Flood Observations and High-Water Mark Collection Training

- Located at SFWMD facilities across the region for field staff, and local governments and water control districts.
- 9 sessions held across the region in April 2024, 121 participants

Encouraging Participation in 2025

- 2025 Wet Season And King Tide Preparedness Training Sessions
Coming up this Spring
- Supporting SFWMD operation and local governments stay ready for flooding and high tide events.





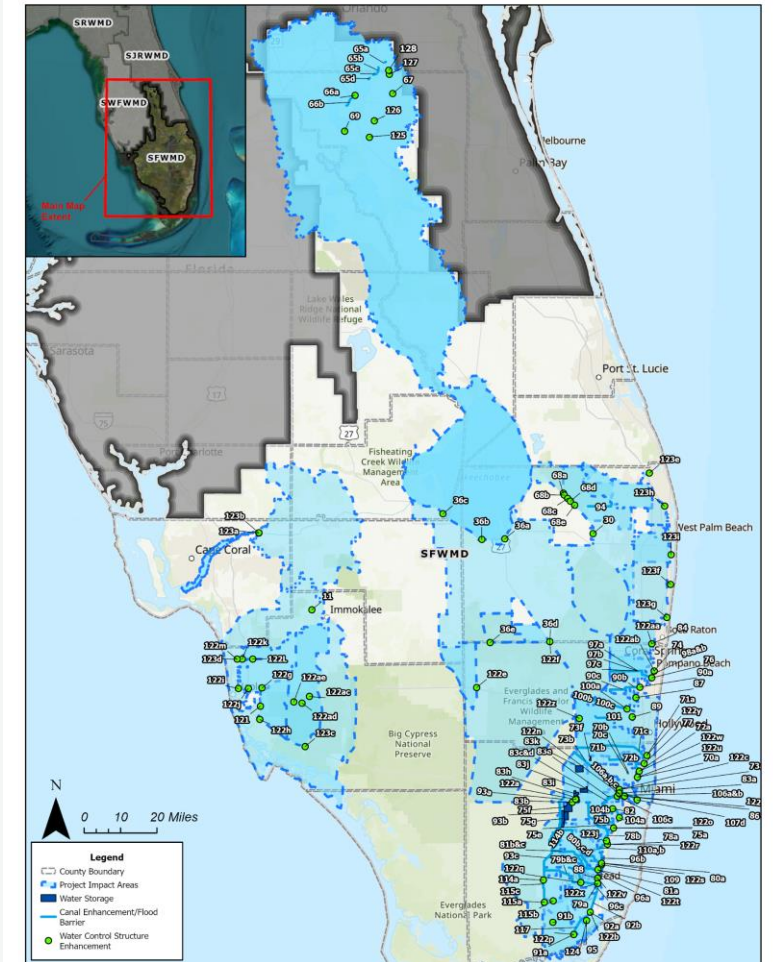
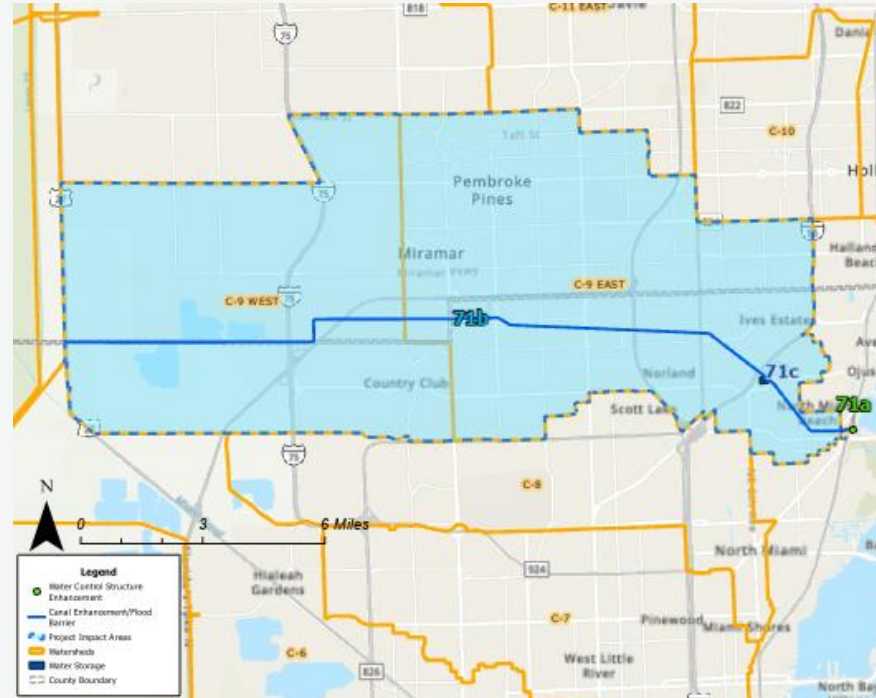
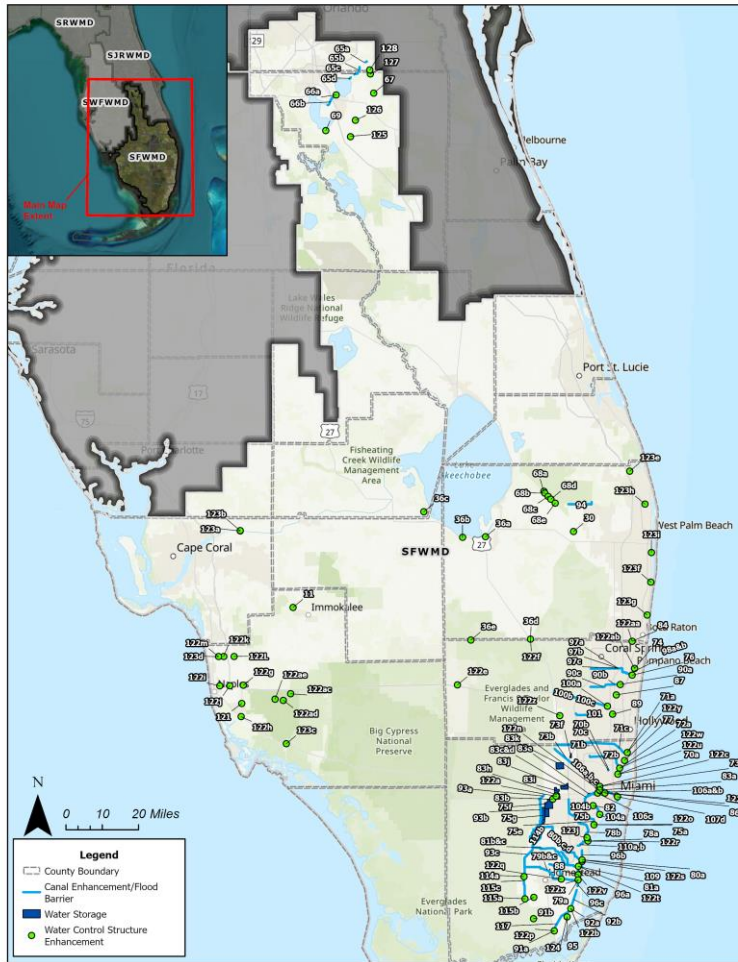
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Project Ranking Evaluation Matrix and GIS Resources

Aaron Duecaster, Resiliency GIS Specialist,
SFWMD



Project Locations – Impact Areas and Components



Project Ranking - Alignment with Resilient Florida

Florida Comprehensive Statewide Flood Vulnerability

- Tier 1 – 40 Points
 - 10 Points – Degree to which the project addresses flood risks
 - 10 Points – Reduces risk to regional significant assets
 - 10 Points – Reduces risk located in areas with higher vulnerable assets
 - 10 Points – Awarded if projects contributes to existing flooding mitigation projects
- Tier 2 – 30 Points
 - 7.5 Points – Awarded based on the degree to which flooding and erosion impact the project impact area.
 - 7.5 Points – Project Readiness
 - 7.5 Points – Environmental Habitat enhancement or nature-based solution
 - 7.5 Points – Project is demonstrated to be cost effective
- Tier 3 – 20 Points
 - 6.5 Points – Available Local, State, and/or Federal cost share
 - 6.5 Points – Verification of state funding previously awarded
 - 7 Points – Awarded if project demonstrates exceedance of flood resistant requirements in the Florida Building Codes Act
- Tier 4 – 10 Points
 - 5 Points – Awarded if project includes innovative technologies designed to reduce project costs and provide regional collaboration
 - 5 Points – will be awarded if the proposal demonstrates that the project impact area includes a financially disadvantaged community

- 40% - Likelihood of System Deficiency
 - FPLOS Phase 1 Results – 15%
 - Known or Chronic Nuisance Flooding Report – 13%
 - FEMA Flood Zone Exposure – 3%
 - Storm Surge Inundation Results
 - No Alternatives or Backups in Worst Case Scenario
 - Return Period of Overbank Flooding
 - Sea Level Resulting in Overbank Flooding
 - Exceedance of Canal Normal Operating Range (OR)
 - Finished Floor Elevation < Base Flood Elevation
- 30% - Consequence of System Deficiency
 - Critical Assets & Regional Assets - 12%
 - Impact Areas Across Administration Boundaries – 2.5%
 - At Risk Population – 5%
 - Environmental Protected Areas – 3.5%
 - Total Population – 1%
 - Public Water Supply Wellfields – 5%
 - Adaptation Action Areas – 1%
- 20% - Benefits From System Enhancements
 - Nature Based Solutions } 5%
 - Ecosystem Restoration }
 - Cost Benefit Analysis – 2.5%
 - Previous State Funding – 2.5%
 - Available Match – 2.5%
 - Florida Building Code Design Criteria – 2.5%
 - Innovative Technologies – 5%
- 10% - Project Status
 - SIP Overall Rating – 5% / CIP Status – 5%



Critical Assets

Critical Community and Emergency Facilities

Affordable Public Housing	Critical Assets
Colleges and Universities	Critical Assets
Community Centers	Critical Assets
Correctional Facilities	Critical Assets
Disaster Recovery Centers	Critical Assets
Emergency Medical Service Facilities	Regionally Significant
Emergency Operation Centers	Regionally Significant
Fire Stations	Critical Assets
Health Care Facilities	Critical Assets
Hospitals	Critical Assets
Law Enforcement Facilities	Critical Assets
Local Government Facilities	Critical Assets
Logistical Staging Areas	Critical Assets
Risk Shelter Inventory	Regionally Significant
Schools	Critical Assets
State Government Facilities	Critical Assets

Natural, Cultural, and Historical Resources

Historical and Cultural Assets - PT	Critical Assets
Historical and Cultural Assets - PL	Critical Assets
Shorelines	Critical Assets
Surface Waters - PL	Critical Assets
Conservation Lands	Critical Assets
Historical and Cultural Assets - PG	Critical Assets
Parks	Critical Assets
Surface Waters - PG	Critical Assets
Wetlands	Critical Assets

Transportation and Evacuation Routes

Airports	Critical Assets
Bus Terminals	Regionally Significant
Marinas	Critical Assets
Ports - PT	Regionally Significant
Rail Facilities - PT	Regionally Significant
Railroad Bridges	Regionally Significant
Bridges	Critical Assets
Major Roadways - FDOT	Regionally Significant
Major Roadways - NTD	Critical Assets
Ports - PL	Regionally Significant
Rail Facilities - PL	Regionally Significant

Critical Infrastructure

Communications Facilities	Critical Assets
Disaster Debris Management Sites	Critical Assets
Drinking Water Facilities	Regionally Significant
Electric Production and Supply Facilities - PT	Regionally Significant
Solid and Hazardous Waste Facilities	Critical Assets
Solid and Hazardous Waste Facilities - SQG	Critical Assets
Solid and Hazardous Waste Facilities - TSD	Critical Assets
Solid and Hazardous Waste Facilities - SB	Critical Assets
Stormwater Treatment Facilities and Pump Stations - PT	Regionally Significant
Wastewater Treatment Facilities and Lift Stations	Regionally Significant
Water Utility Conveyance Systems	Regionally Significant
Electric Production and Supply Facilities - PL	Regionally Significant
Stormwater Treatment Facilities and Pump Stations - PL	Regionally Significant
Stormwater Treatment Facilities and Pump Stations - PG	Regionally Significant
Military Installations	Regionally Significant

Locally Provided Assets From Vulnerability Assessments

Locally Provided Assets - PT	Critical Assets
Locally Provided Assets - PL	Critical Assets
Locally Provided Assets - PG	Critical Assets



Spatial Considerations

Category		Weighting
FPLOS Phase I Assessment Results (Current and /or Future Conditions)	vulnerability of the drainage system within the project impact area to manage flood risks to adjacent developed or partially developed land under current and future conditions represented by the FPLOS overall flood protection level of service	15%
Known Chronic and Nuisance Flooding Report (OR)	Flood Prone Area layer documented using the observed historical flooding events with evidence collected by agencies/universities/media/citizens	13%
Finished Floor Elevation < Base Flood Elevation	Infrastructure Finish Floor Elevation Exposure: Comparison between Infrastructure Finish Floor Elevation (FFE) and FEMA Base Flood Elevation (BFE)	
FEMA Flood Zone Exposure	The project impact area is within FEMA Flood Zone A, AH, AE, and V and will lower flood risks	3%
Storm Surge Inundation Exposure	Project Impact Area (or Finished Floor Elevation, for infrastructure enhancement projects) is within specific Hurricane Categories - Storm Surge event inundated area	
Critical Assets / Lifelines	The total number of At-Risk Critical Assets & Regionally Significant from the recently released FDEP Statewide Critical Assets Dataset	6% 6%
Impact Area Across Administrative Boundaries	The number of administrative and County boundaries across the area of influence characterizes different levels of regional significance for the respective projects.	2.5%
At Risk Population	The National Risk Index (NRI) is a dataset that represents the vulnerabilities to US communities most at risk for 18 natural hazards.	5.0%
National Risk Index (NRI)		
Environmental Protected Areas	Vulnerable environmental protected areas - state or federal critical habitat for threatened or endangered species- within the project impact area of the proposed project, and that can be impacted by flooding events.	3.5%
Total Population	Total number of people residing within the project impact area of the proposed project based on 2023 estimates.	1%
Public Water Supply Wellfields		5%
Adaptation Action Areas	The project impact area is within an established “Adaptation Action Area” or “Adaptation Area.”	1%



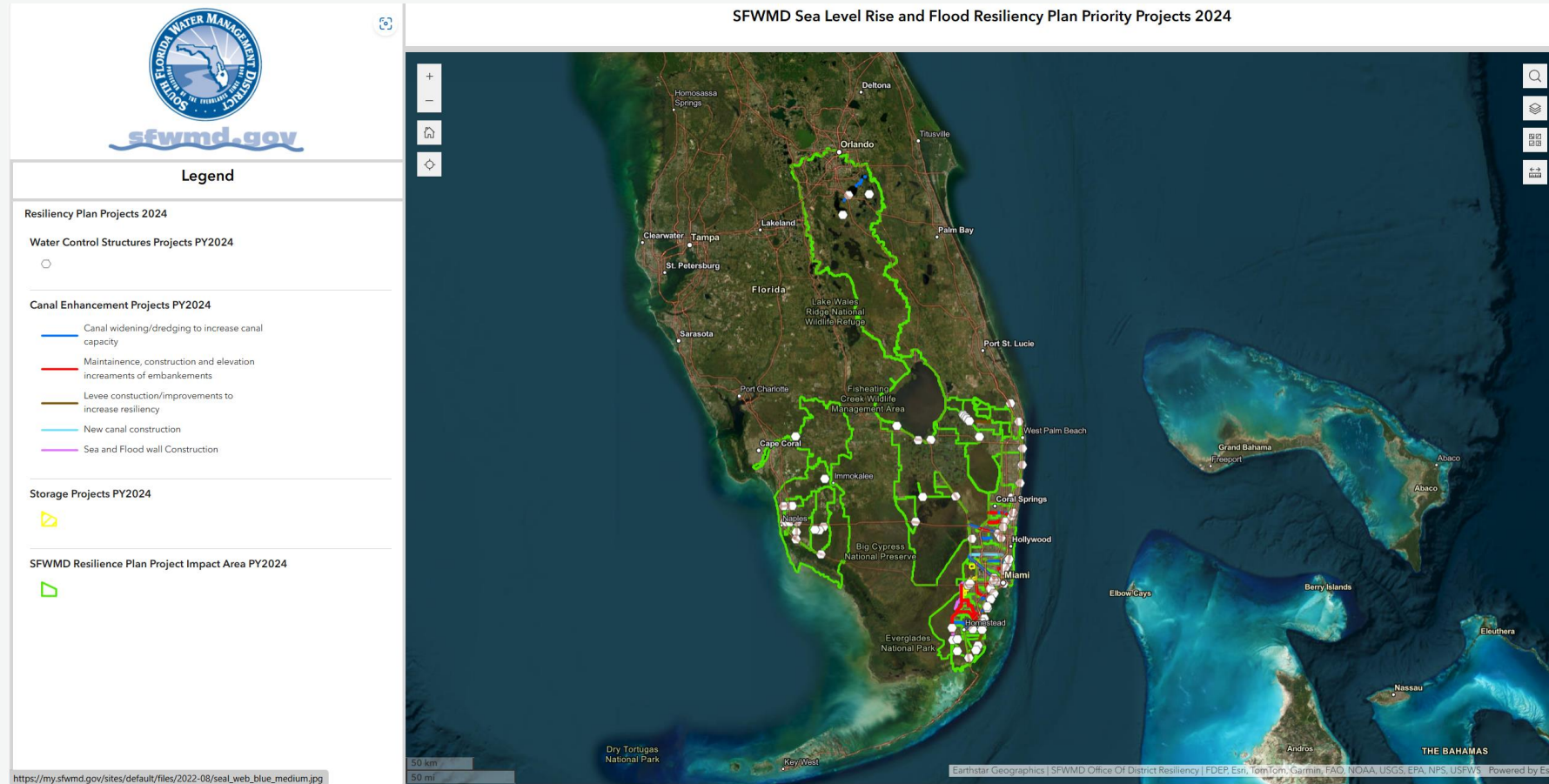
Structural Considerations

Category	Definition	Weighting
No Alternatives/Backup to Mitigate Worst Case Scenario	The respective structure does not have an alternative operational routing or no system backup to mitigate potential limitations in operation or the worst-case scenario of structure failure under extreme event conditions.	3%
Return Period of Overbank Flooding	Infrastructure Performance Under Sea Level Scenarios or Extreme Rainfall Events	6%
Sea Level Resulting in Overbank Flooding	Increase of sea levels that result in canal overbank flooding and/or other infrastructure bypass resulting in an increase in flood risks to developed or partially developed adjacent land and water supplies	
Exceedance of Canal Normal Operating Range (OR)	Maximum peak stage profile levels along the primary canal system exceeding normal operational range stages (canal performance), which reduces discharges from secondary systems, increasing flood risks further inland.	
Nature-based Solutions	The project includes nature-based solutions or green infrastructure in addition to “gray” infrastructure improvements to increase resiliency	5%
Ecosystem Restoration	The project included natural enhancements of the environment by restoring the lands and waters that benefit wildlife.	
Cost Benefit Analysis	The cost-effectiveness of the project is estimated as larger than one, estimated based on avoided economic loss.	2.5%
Previous State Funding	The project received previous state funding for its previous phases, including pre-construction activities, design, permitting, or Phase I Construction.	2.5%
Available Match	The project includes documentation that 50% cost share is available, or funds will be available but have not been appropriated or released.	2.5%
Florida Building Code Design Criteria	Exceedance of the flood-resistant requirements in the Florida Building Codes Act, as adopted by the State of Florida pursuant to Part IV, Chapter 553, F.S. or local floodplain management ordinances.	2.5%
Innovative Technologies	The project proposal includes innovative technologies to optimize project benefits, protect communities and the environment, reduce project costs, and provide regional collaboration.	5%
SIP Overall Rating	The performance level is used to define the ability of the structure to perform its intended function under current conditions, as reported as part of the SFWMD Structure Inspection Program Report (Final Category).	5%
Capital Improvement Program (CIP) Status	Project Status as part of the District's fiscally constrained expenditure plan that lays out anticipated infrastructure investments over the next five years. Project indication about Design or Pre-Design is stated in the CIP.	5%



Web Application

- [SFWMD Sea Level Rise and Flood Resiliency Plan Priority Projects Open GIS 2024 ExB Web App](#)



Adaptation Action Areas (Request)

To ensure comprehensive coverage of local adaptation efforts, we kindly request your assistance in providing the GIS layer or shapefile for your County's adaptation action areas. As our primary county resilience contacts, we also seek your help in confirming the availability of this data from your respective municipalities. Please submit your comments and the GIS layer or shapefile via email to resiliency@sfmwd.gov at your earliest convenience. Feel free to reach out if you have any questions or need further clarification.

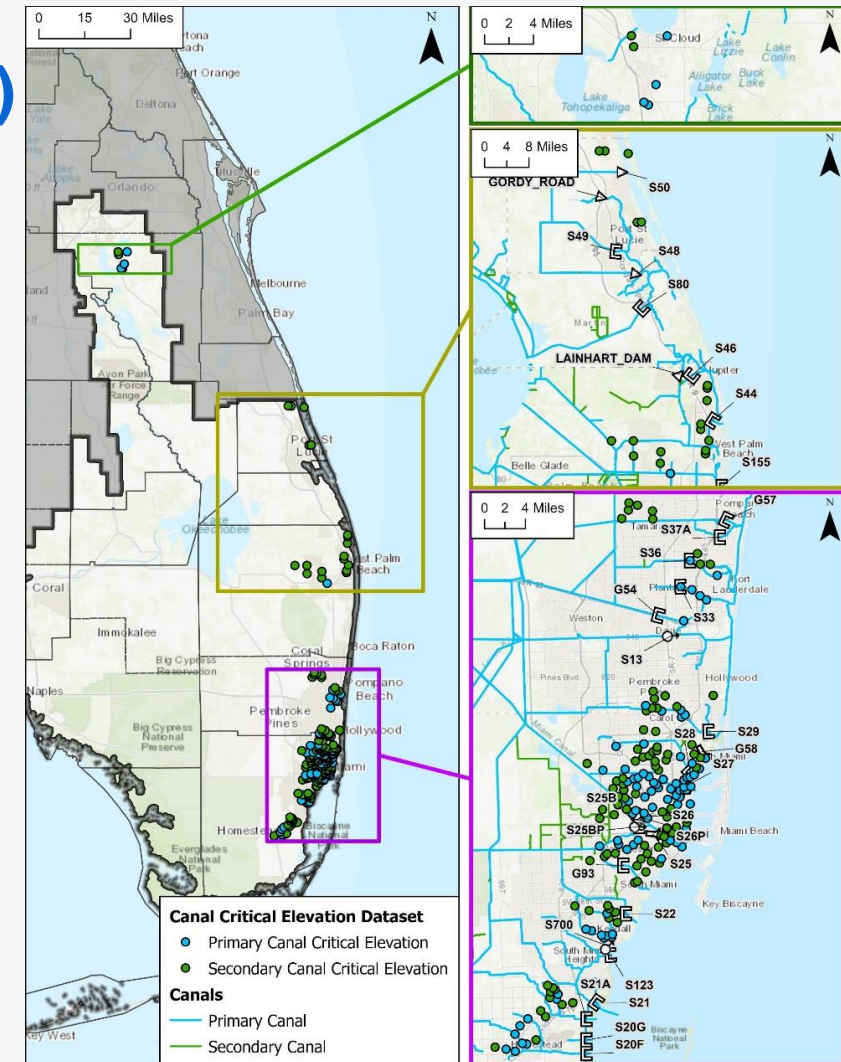
“Adaptation Action Area” or “Adaptation Area” means a designation in the coastal management element of a local government’s comprehensive plan which identifies one or more areas that experience coastal flooding due to extreme high tides and storm surge, and that are vulnerable to the related impacts of rising sea levels for the purpose of prioritizing funding for infrastructure needs and adaptation planning.

-Section 163.3164(1), Florida Statutes



Flood Thresholds (Continued Collaboration)

- Mapping of critical water levels/elevations: early concerns to inform operations
- Previous request to specific Counties, Municipalities, and other Local and Regional Agencies (Critical Elevations)
- To develop a database that describes the various levels of flooding thresholds for each watershed
 - Drainage Capacity or Efficiency Reduced
 - Residential properties and evacuation routes impacted
- Flood thresholds developed with combination of elevation of drainage features, in-situ observations, Level of Service studies.





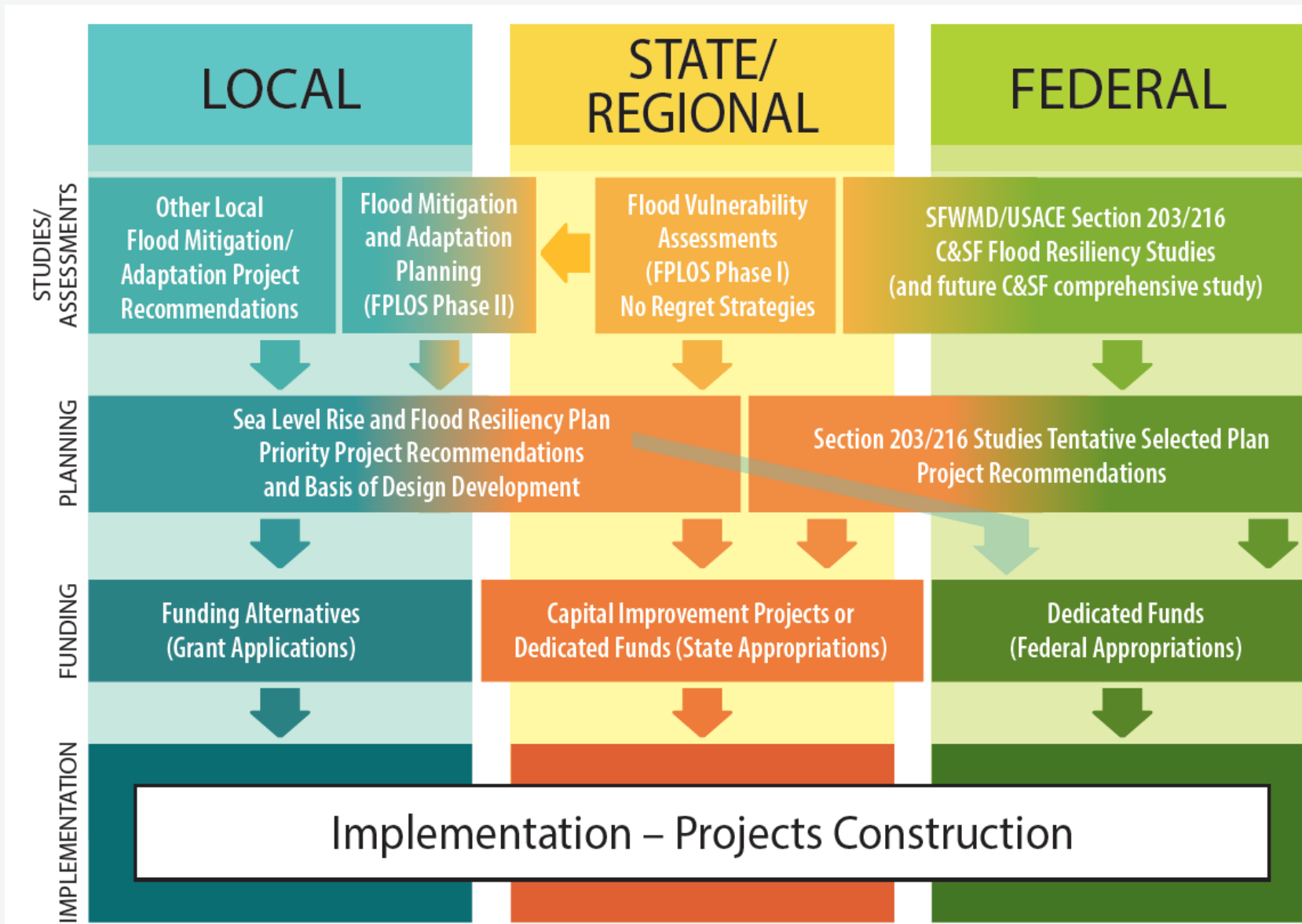
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Resiliency Implementation Projects

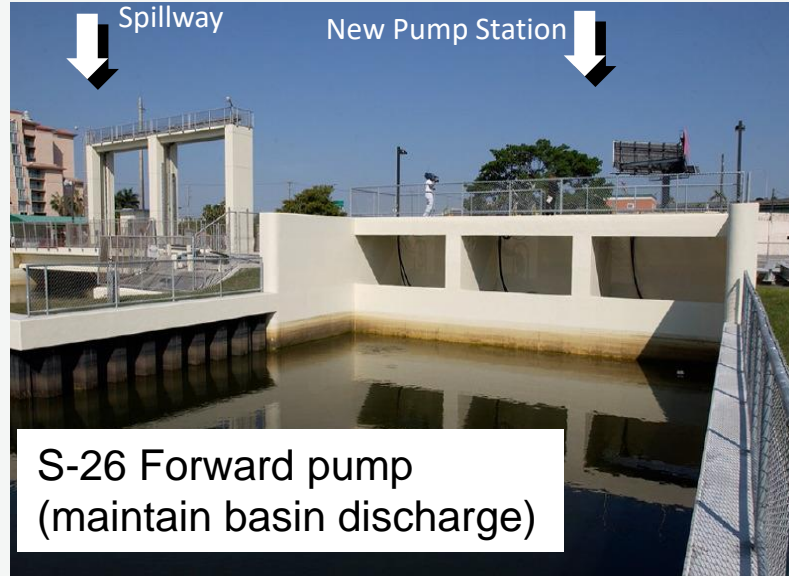
Tarana Solaiman, Ph.D., P.E., Resiliency Project
Manager, SFWMD

Octavio Castillo, P.E., Engineering & Construction
Project Manager, SFWMD





Examples of Flood Mitigation Solutions



Implementation Grants At a Glance

FDEP Resilient Florida Grant	FEMA/FDEM BRIC Grant	FEMA/FDEM HMGP Grant	FDEP Innov. Tech. Grant	Future Implementation
<ul style="list-style-type: none"> • 7 Awarded Projects <ul style="list-style-type: none"> • \$71.6M Grant • \$59.9M Match • 5 Projects Recommended for Award <ul style="list-style-type: none"> • \$135.4M Grant • \$135.4M Match 	<ul style="list-style-type: none"> • 3 Awarded Projects <ul style="list-style-type: none"> • \$150M Grant • \$62.4M Required Match 	<p>(Hurricane Ian Post Disaster Funds)</p> <ul style="list-style-type: none"> • 1 Project Award Recommendation <ul style="list-style-type: none"> • \$5.55M Grant • \$1.85M Match • 5 Projects Waiting on Tier 2 Allocation <ul style="list-style-type: none"> • \$102M Grant • \$34M Match 	<ul style="list-style-type: none"> • 1 Awarded Project <ul style="list-style-type: none"> • \$3M Grant 	<ul style="list-style-type: none"> • Broward County Sec. 203 Eng. Study (Class III Design) • Additional Basis of Design Development including Milton Post Disaster Funds

- 11 Design/Construction Projects
- Total Awarded: \$347M (including match)
- Total Recommended for Award: \$414M

- 22 Agreements with Funding Agencies & Local Partners
- 28 Executed Vendor Contracts



FEMA BRIC

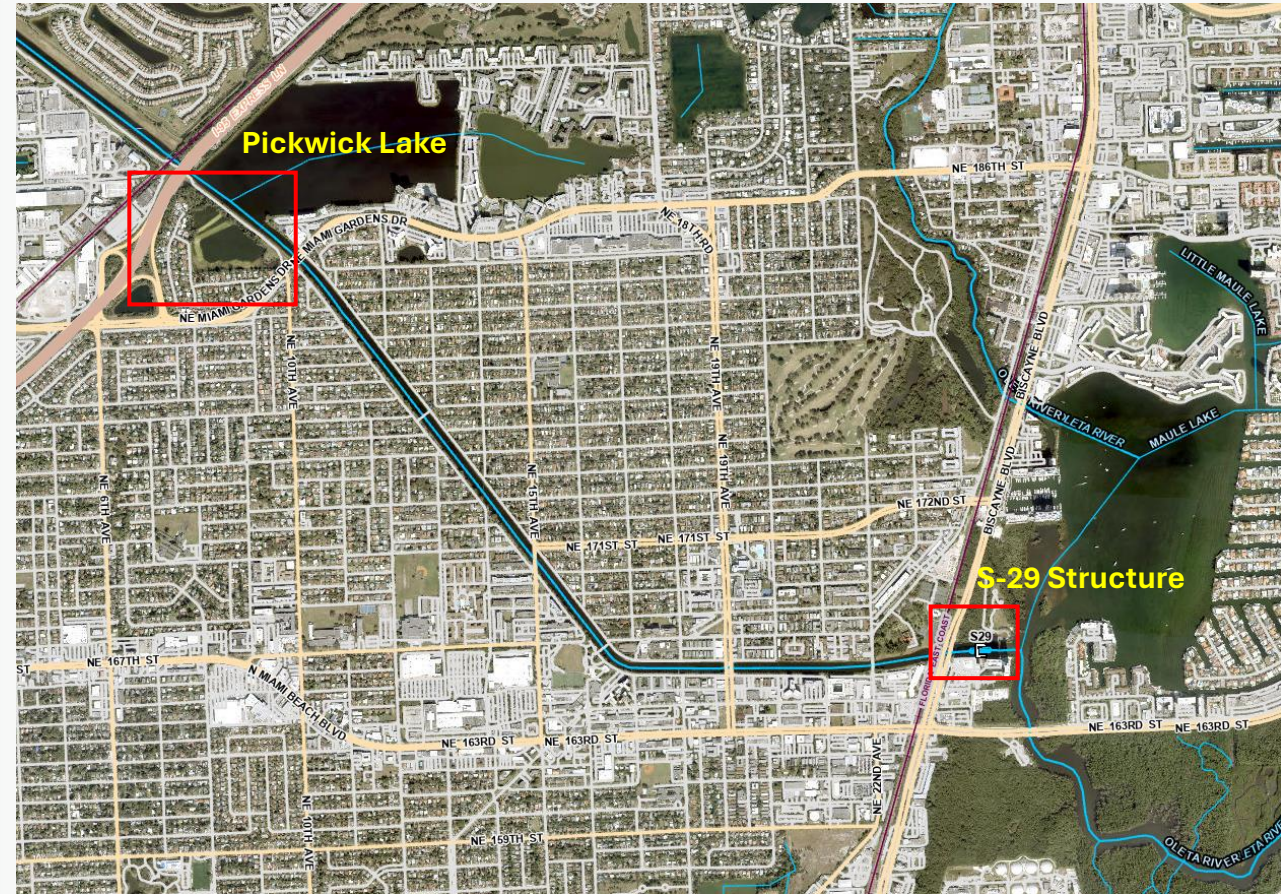
C-7, C-8, C-9 Basin Resiliency

- Basin-wide strategy to reduce flood risks due to sea-level rise and extreme rainfall; protect water resources
- Integration of green and gray infrastructure
- Existing coastal structure enhancements/replacements
- Restore original discharge capacity of the coastal structures by adding forward pump stations
- Increase the basin's flood protection level of service in collaboration with project partners
- Nature based solutions including living shorelines and temporary stormwater retention areas for extreme events



C-9 Basin: Project Overview

- **South Florida Water Management District**
 - S-29 Gated Spillway replacement
 - S-29 Forward Pump Station
 - Nature Based Solutions - Enhancement of Pickwick Lake owned by the City of North Miami Beach
- **Miami-Dade County**
 - Secondary Canal Enhancements to 13 Canal Banks
- **South Broward Drainage District**
 - Installation of 4 sluice gates with green walls



S-29 Spillway Replacements

- Demolition of existing over 60 year's old spillway
- More robust, corrosion resistant coastal structure with elevated gates
- New elevated control building to house the structure and pump station controls
- Compliance with current codes & standards
- Storm surge protection
- Lower risk, longer structure lifespan
- Tying S-29 structure to higher ground elevations to support spillway function

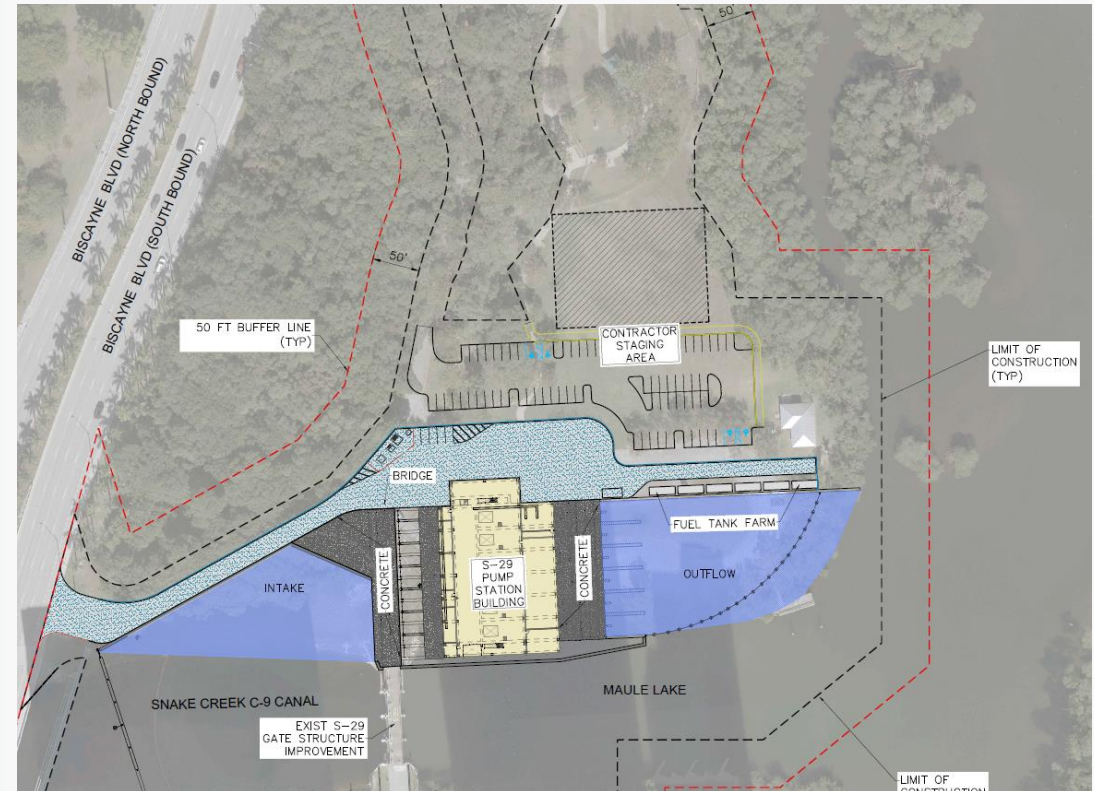


Existing S-29 Spillway Structure

S-29N Forward Pump Station

- New Forward Pump Station
 - Supplement S-29 spillway by restoring design discharge capacity
 - Allow for stormwater discharge when downstream elevations are too high to allow for gravity flows
 - Sub-Components
 - 5 - 500 CFS Electric Pumps + 1 – 500 cfs redundant pump
 - Generator Back up Power
 - 7-day Fuel Farm Storage
 - Trash Collection System
 - New stilling wells

Preliminary Site Plan
Proposed S-29N Pump Station



Nature Based Features

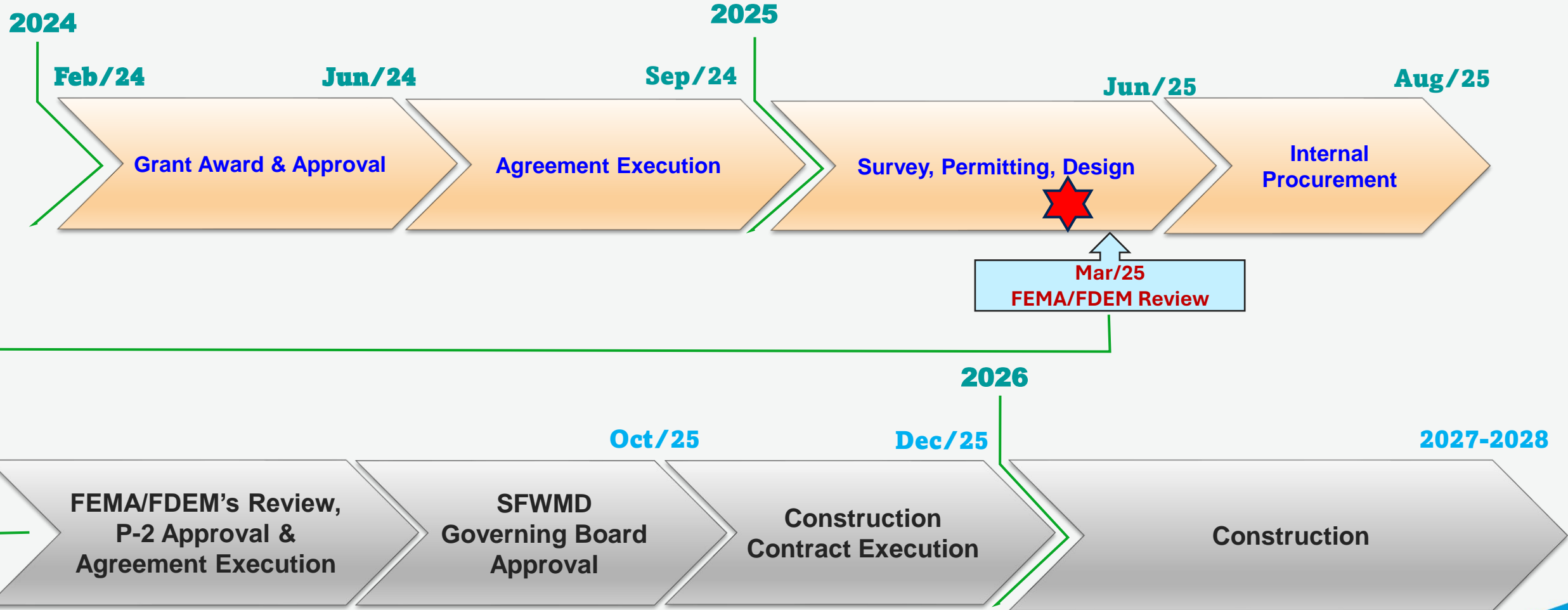
Pickwick Lake Stormwater Detention Area

- City of North Miami Beach
- Enhancement of a 16-acres stormwater detention area
 - Additional outflow to improve drainage
 - Living shorelines
 - Improve flow circulation within the lake
- Recreational features – not part of BRIC grant
 - Shaded gathering area, educational signage for public use and to increase community engagement

Conceptual Site Plan



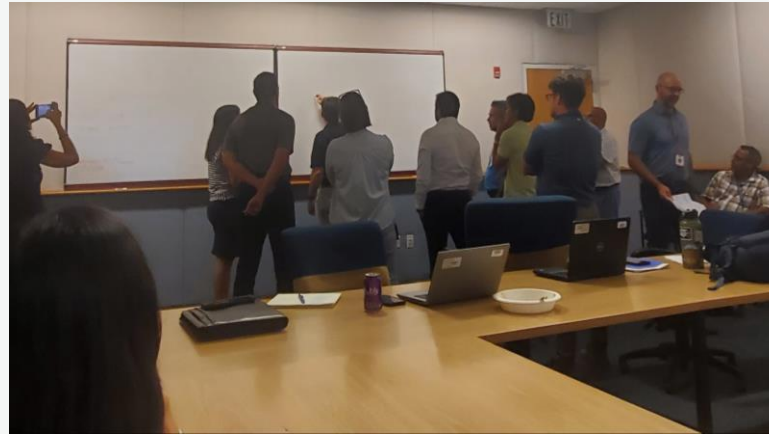
Project Schedule



Implementation Projects in Progress



Site Visit with Miami-Dade County at S-29 Spillway



In-House Design Discussion



Geotechnical Investigation at S-27 Spillway



Geotechnical Investigation at S-29 Spillway



Site Visit at Pickwick Lake, North Miami Beach



Site Reconnaissance Survey at W.H. Turner School NBS Site



04

Q&A





4a

C&SF Resilience and Integration

Jennifer A. Smith, P.W.S, M.B.A,
Project Manager, Ecosystem Branch
U.S. Army Corps of Engineers
Jacksonville District



RESILIENCY PLAN UPDATE & PARTNER WORKSHOP: LOWER EAST COAST

C&SF RESILIENCE AND INTEGRATION

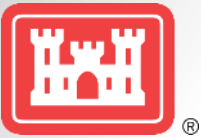
21 February 2025

Jacksonville District
U.S. Army Corps of Engineers



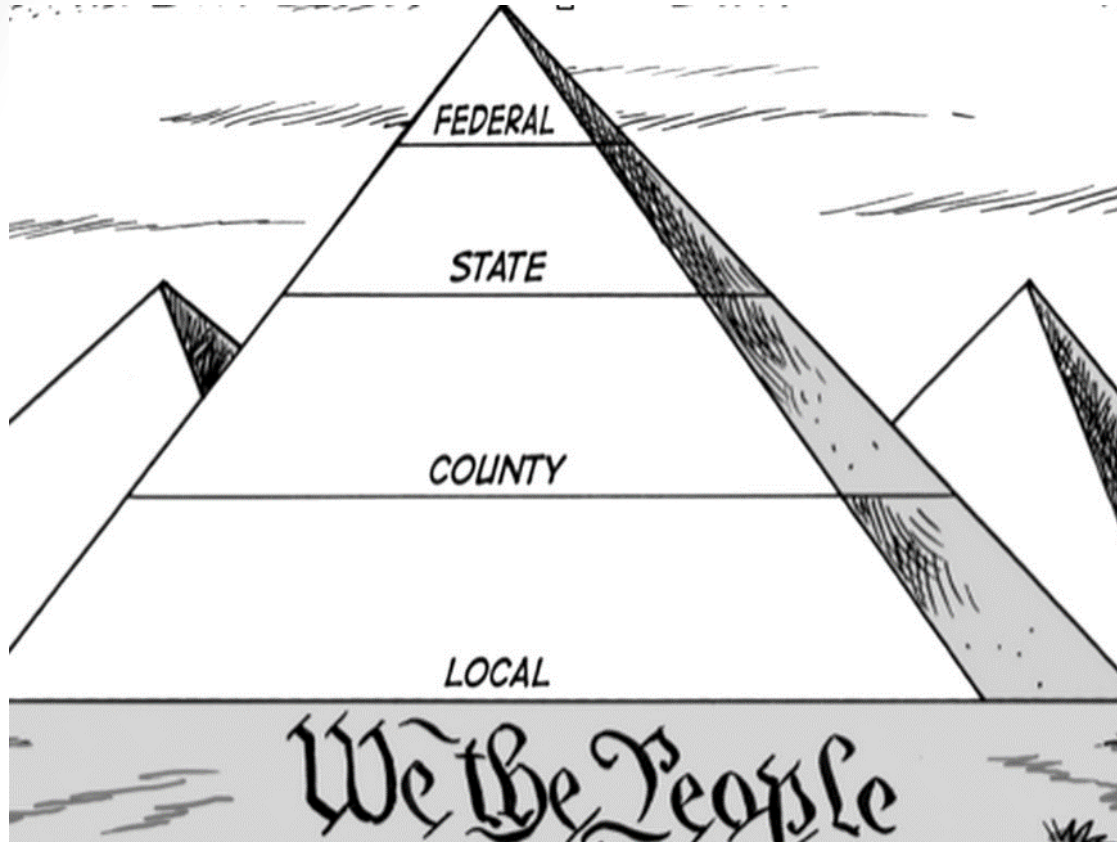
**US Army Corps
of Engineers**

U.S. ARMY



BUILDING COMMUNITY RESILIENCE

A COMPREHENSIVE AND COLLABORATIVE APPROACH



Water Resource infrastructure is the connector



RESILIENCY THROUGH PROJECT INTEGRATION

Coordinating Multiple Lines of Defense



Ecosystem Restoration Projects (AER)

Back Bay CSRM Projects

Inland Flood Risk Projects (FRM)

Beach CSRM Reauthorizations

Port/Harbor Navigation Projects



PARKS & CONSERVATION LANDS



AGRICULTURE



WESTERN & SOUTHERN SUBURBS



SLOUGHS



THE RIDGE



MAINLAND BAYFRONT



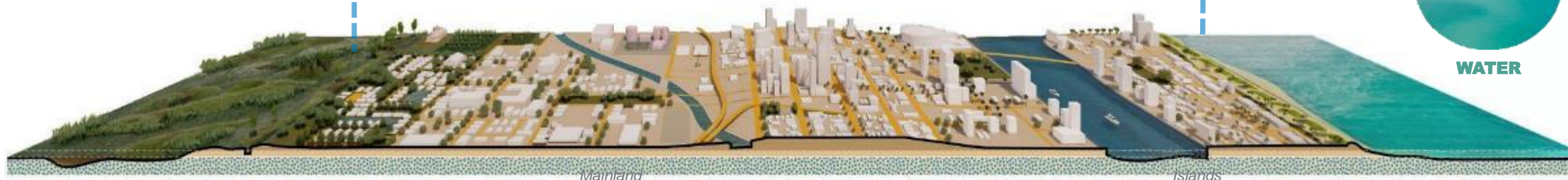
ISLAND BAYFRONT



ISLAND OCEANFRONT



WATER





USACE SOUTHEAST FLORIDA PROJECT INTEGRATION

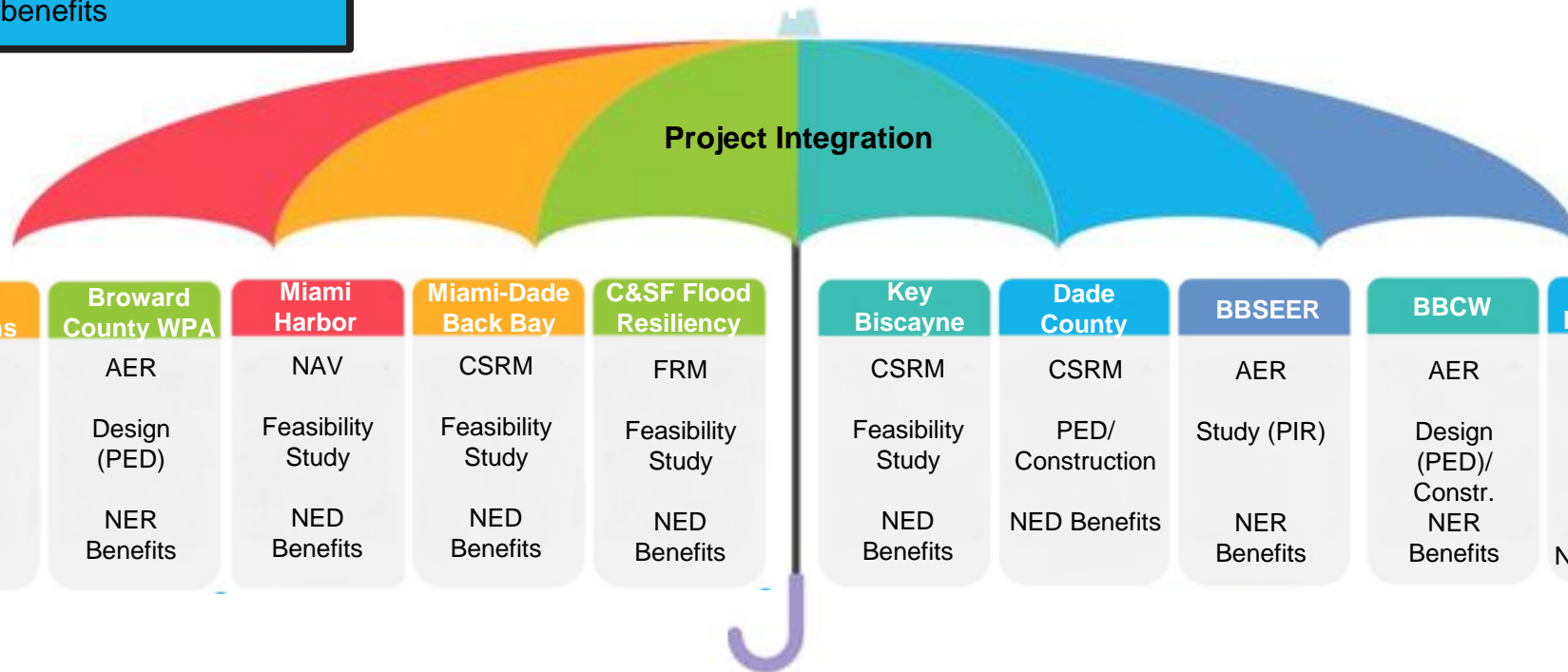
All Projects Under One Umbrella



Integration Themes:

- **Communication**
 - Internal both between teams and with leadership
 - External with sponsors and stakeholders
- **Technical**
 - During Formulation including model assumptions and known features
 - After Formulation including comprehensive benefits

SAD
Program Oversight



Broward County	C&SF Operations	Broward County WPA	Miami Harbor	Miami-Dade Back Bay	C&SF Flood Resiliency	Key Biscayne	Dade County	BBSEER	BBCW	Southern Everglades	Port Everglades
CSRM		AER	NAV	CSRM	FRM	CSRM	CSRM	AER	AER	AER	NAV
PED	O&M	Design (PED)	Feasibility Study	Feasibility Study	Feasibility Study	Feasibility Study	PED/ Construction	Study (PIR)	Design (PED)/ Constr.	Study (pending start)	Feasibility Study
NED Benefits	Multi-purpose Benefits	NER Benefits	NED Benefits	NED Benefits	NED Benefits	NED Benefits	NED Benefits	NER Benefits	NER Benefits	NER Benefits	NED Benefits



05

Stakeholder Input and Breakout Groups



06

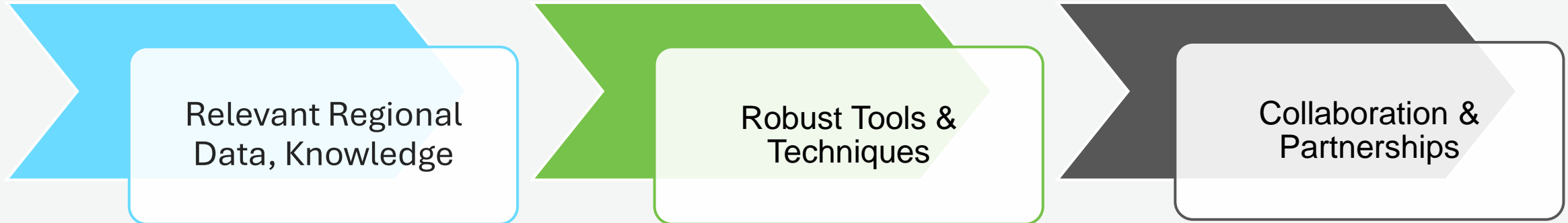
Closing Remarks and Call to Action

Carolina Maran, Ph.D., P.E.,
Chief of District Resiliency, SFWMD



What We are Bringing to the Table

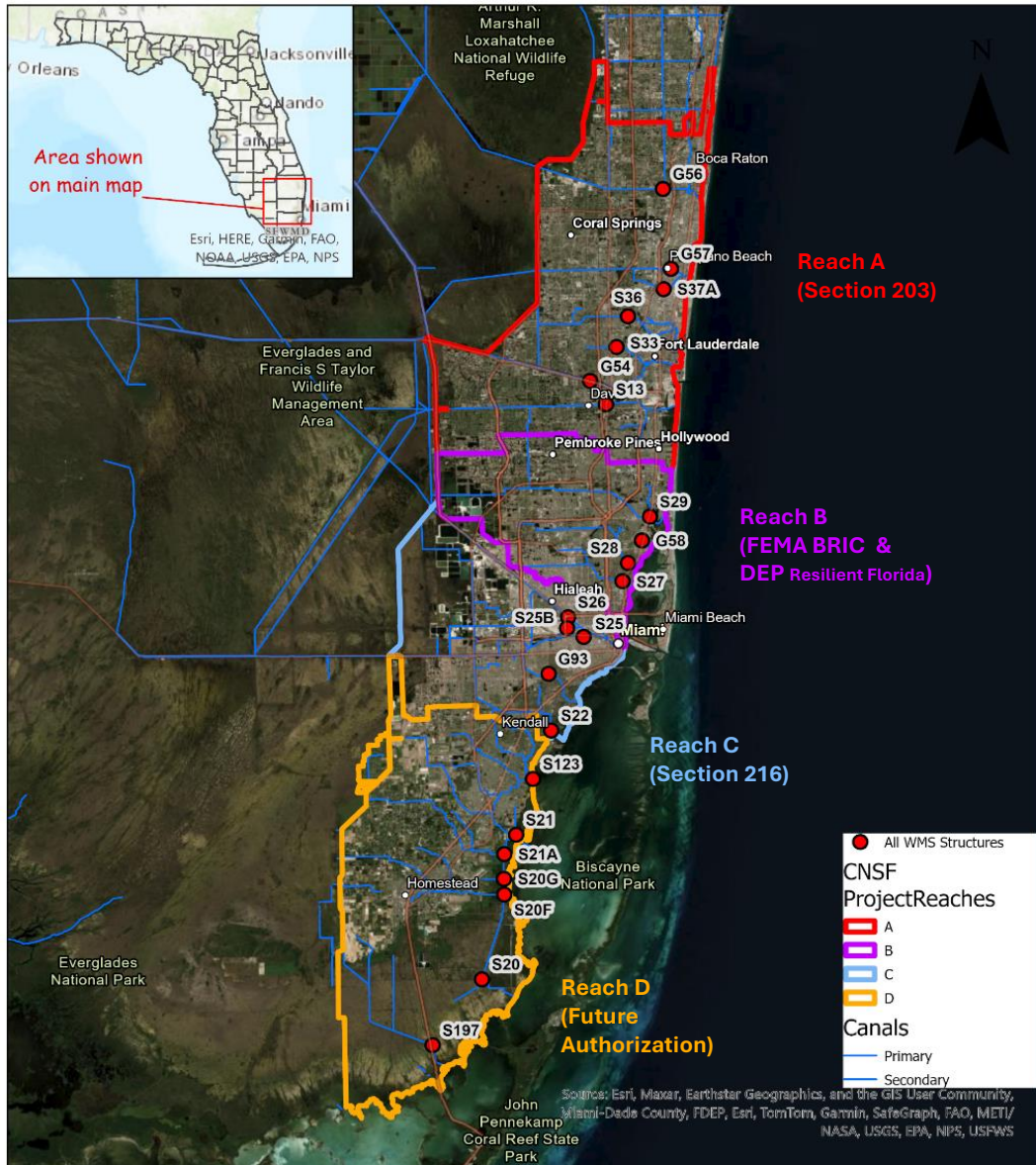
Flood Resiliency: Flood Risk Management, Flood Vulnerability Assessment, Flood Adaptation Strategies



Facilitate the integration of Resilient Florida Statewide Resources and Federal Resources to prioritize locally relevant and effective structural, non-structural, and nature-based solutions



C&SF Flood Resilience Integrated Path Forward



Planning Reach A - Broward County Basins

- Section 203 Feasibility Study – Target WRDA 26
- Funding support from FDEP and Broward County

Planning Reach B - C-7, C-8, C-9 Basins

- FEMA Building Resilient Infrastructure and Communities
- Resilient Florida Grant
- Funding support from Miami Dade County

Planning Reach C – Miami River Basins

- C&SF Flood Resiliency Study – Section 216 Authorization (Seeking Additional Budget)
- Feasibility Study - Target WRDA 30

Planning Reach D - South Dade Basins

- CS&F Comprehensive Study or future planning studies



State Resources



Florida Statewide Office of Resiliency

- [FY2024–25 Resilient Recovery Resources For Florida’s Local Governments](#)

Resilient Florida Program, Florida Department of Environmental Protection

- [2024 Statewide Vulnerability Assessment](#) (Password: StateVA)
- [2025–2026 Statewide Flooding and Sea Level Rise Resilience Plan](#)
- [Statewide Assessment](#) (Sea Level Rise Projections)
- [Resilient Florida Grants Dashboard](#)

Florida Flood Hub for Applied Research and Innovation

- [Flood Hub One-Pager](#)



Wet & King Tide Season Preparation

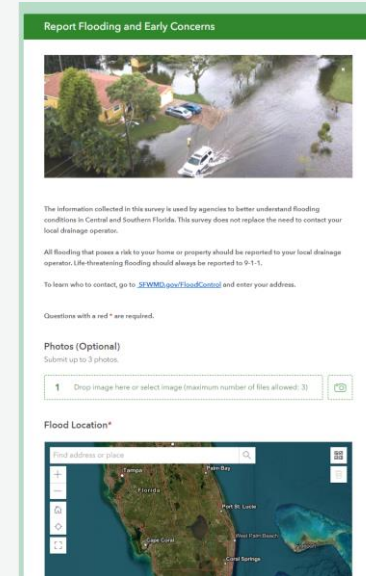
Flood Specific Tools & Resources

- Access Flood Observations: sfwmd.gov/FloodResources
- Submit real-time flood data: sfwmd.gov/FloodingApp

Tidal Predictions

- Stay informed on high tide events: sfwmd.gov/HighTidePredictions

Flood Observations and High-Water Mark Collection Training coming up in April



South Florida Flood Information Resource

A resource for collecting and consolidating flood observations to help us better understand evolving flood patterns associated with King Tides, Rainfall, Tropical Storms, Hurricanes and Storm Surge.

Local Contact Viewer

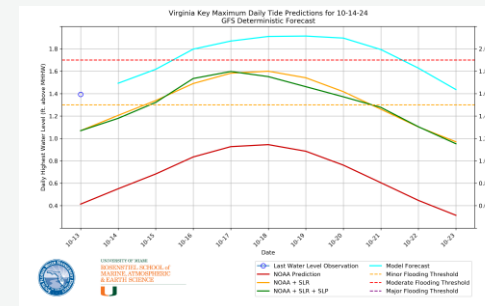
Who to Contact about Flooding in your area:

Use this application to enter an address or location and be returned contact information for local governments and 298 / Special Districts responsible for addressing flooding at this location.

Photos and Flood Observations:

Click or scan this QR code to upload photos or submit information about flooding and/or flooding concerns in your area.

To provide information and photos for past events, please contact Resiliency@sfwmd.gov.



Flood Information and Current Event Viewers: Simple viewer applications designed for exploration of publicly shared Flood Information Repository content.



Important Dates – Submit your Comment

- February/March – Public Workshops & Early Input
(considering new interval update)
- May 20, 2025 - Draft Plan Presented at Resiliency Forum and Open for Comments
- June 25, 2025 - Public Comment Period Closes
- September 1, 2025 - Final Plan Submission



Adaptation Action Areas (and other equivalent priority areas)

Dear Resiliency Partners,

Beginning this year, the District's Sea Level Rise and Flood Resiliency Plan has been enhanced to include a supplemental map featuring relevant resiliency projects data. The draft 2024 plan and map are linked below for your reference. **To ensure comprehensive coverage of local adaptation efforts, we kindly request your assistance in providing the GIS layer or shapefile for your County's adaptation action areas. As our primary county resilience contacts, we also seek your help in confirming the availability of this data from your respective municipalities.**

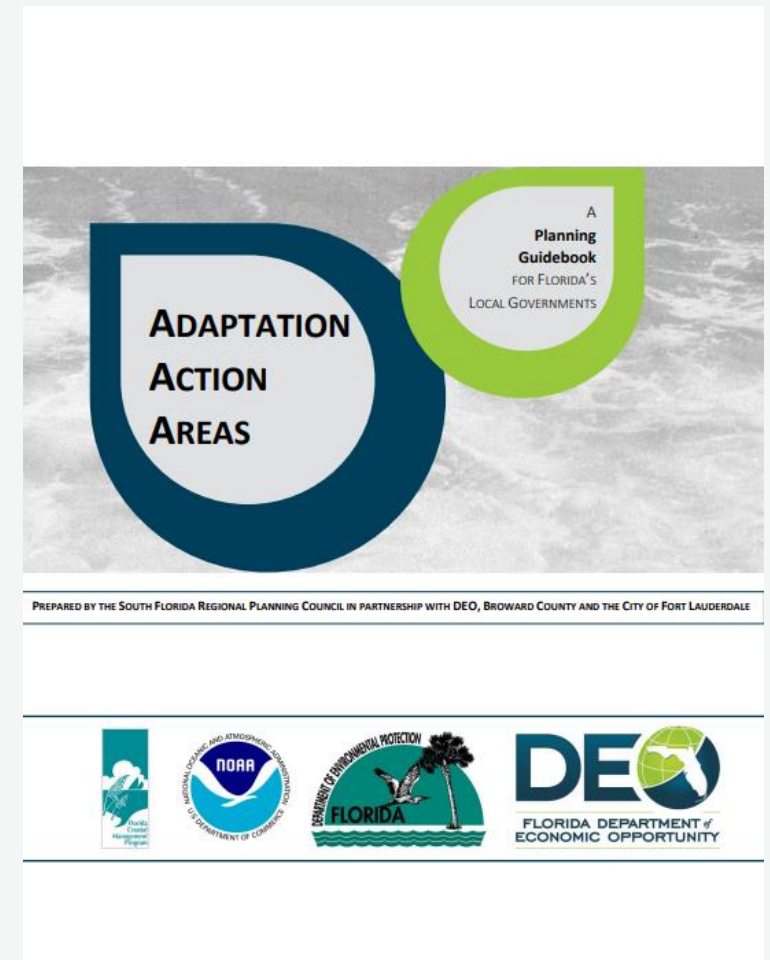
[DRAFT 2024 SFWMD Sea Level Rise and Flood Resiliency Plan](#)

[DRAFT 2024 SFWMD Sea Level Rise and Flood Resiliency Plan Map \(arcgis.com\)](#)

Including your data will not only enrich our map but also strengthen collaborative efforts towards enhancing community resilience. We invite you to submit this data along with any comments on the draft plan and/or map during the extended public comment period, which will now run through Friday, June 28. A formal announcement regarding this new deadline will follow shortly. Please submit your comments and the GIS layer or shapefile via email to resiliency@sfmwd.gov at your earliest convenience.

Feel free to reach out if you have any questions or need further clarification.

Thank you for your ongoing partnership in our shared goal of fostering resilience in our region.



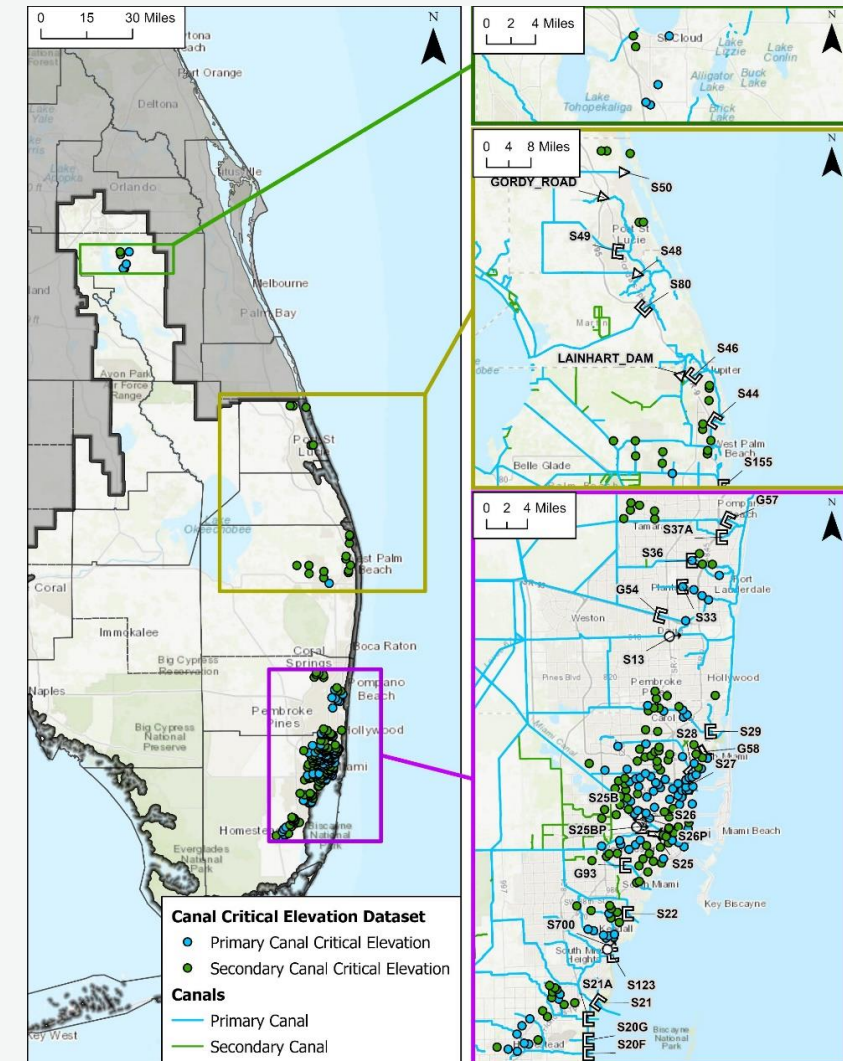
Flood Threshold

- Mapping of critical water levels/elevations: early concerns to inform operations

Table 2. Comparison of Flood Thresholds for High Tides in South Florida.

Results	NOAA NWPC			NOAA NOS			NOAA NOS (Latest Report)			Southeast Florida Regional Climate Compact		
	Minor	Moderate	Major	Minor	Moderate	Major	Minor	Moderate	Major	Initial	Minor	More significant
Virginia Key	0.40 m (MHHW)	0.52 m (MHHW)	0.76 m (MHHW)	0.53 m (MHHW)	0.82 m (MHHW)	1.20 m (MHHW)	0.52 m (MHHW)	0.81 m (MHHW)	1.19 m (MHHW)	0.73 ft (NAVD88)	1.02 ft (NAVD88)	1.79 ft (NAVD88)
Vaca Key	0.33 m (MHHW)	0.49 m (MHHW)	0.64 m (MHHW)	0.51 m (MHHW)	0.81 m (MHHW)	1.18 m (MHHW)	0.51 m (MHHW)	0.81 m (MHHW)	1.19 m (MHHW)	N/A	N/A	N/A
Key West	0.33 m (MHHW)	0.49 m (MHHW)	0.64 m (MHHW)	0.52 m (MHHW)	0.82 m (MHHW)	1.19 m (MHHW)	0.52 m (MHHW)	0.82 m (MHHW)	1.19 m (MHHW)			
South Port Everglades	0.40 m (MHHW)	0.52 m (MHHW)	0.76 m (MHHW)	N/A	N/A	N/A	N/A	N/A	N/A			
Lake Worth	0.40 m (MHHW)	0.52 m (MHHW)	0.76 m (MHHW)	N/A	N/A	N/A	N/A	N/A	N/A			
Naples	0.46 m (MHHW)	0.76 m (MHHW)	1.07 m (MHHW)	0.53 m (MHHW)	0.83 m (MHHW)	1.20 m (MHHW)	0.54 m (MHHW)	0.83 m (MHHW)	1.21 m (MHHW)			
Fort Myers	0.70 m (MHHW)	1.07 m (MHHW)	1.52 m (MHHW)	0.52 m (MHHW)	0.81 m (MHHW)	1.19 m (MHHW)	0.52 m (MHHW)	0.81 m (MHHW)	1.19 m (MHHW)			

N/A: Not Available.





2025 Resiliency Coordination Forum Schedule

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4						1							1	
5	6	7	8	9	10	11	2	3	4	5	6	7	8	2	3	4	5	6	7	8
12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22
26	27	28	29	30	31	23	24	25	26	27	28	23	24	25	26	27	28	29		
													30	31						

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4					1	2	3							1
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
27	28	29	30	25	26	27	28	29	30	31	29	30								

JULY							AUGUST							SEPTEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
			1	2	3	4					1	2							1			
6	7	8	9	10	11	12	3	4	5	6	7	8	9	7	8	9	10	11	12	13		
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20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27		
27	28	29	30	31	24	25	26	27	28	29	30	31	28	29	30							

OCTOBER							NOVEMBER							DECEMBER										
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				
			1	2	3	4						1							1					
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13				
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20				
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27				
26	27	28	29	30	31	23	24	25	26	27	28	29	30	28	29	30	31							

Resiliency Coordination Forum
 The Resiliency Coordination Forum is a fact-finding forum to promote regional collaboration between the South Florida Water Management District and local, state, federal and tribal partners on water management initiatives related to resiliency, and engage partners on assessing the impacts of changing climate conditions and water management.

- Invited Partners**
- Resiliency Leads from 16 Counties and Local Governments
 - Local Mitigation Strategy (LMS) Workgroups from 16 Counties
 - 298 Districts
 - Planning Councils
 - Tribes
 - State Agencies
 - Federal Agencies

- 2025 Meeting Dates**
- Resiliency Plan Workshops
 - Wednesday, May 28
 - Wednesday, September 3
 - Wednesday, December 3

Visit SFWMD.gov/Resiliency for more information.



Resiliency Coordination Forum

2025 Sea Level Rise and Flood Resiliency Plan Update Workshops:

- Workshop #1 – Lower East Coast – February 21, 2025
- Workshop #2 – Upper East Coast – February 25, 2025
- Workshop #3 – Southwest Coast – February 27, 2025
- Workshop #4 – Kissimmee River Basin – March 7, 2025

Upcoming Quarterly Meetings:

- Wednesday, May 28, 2025: **Wet Season / Resiliency Plan**
- Wednesday, September 3, 2025
- Wednesday, December 3, 2025



Post-Workshop Survey

SFWMD 2025 Sea Level Rise and Flood Resiliency Plan Update

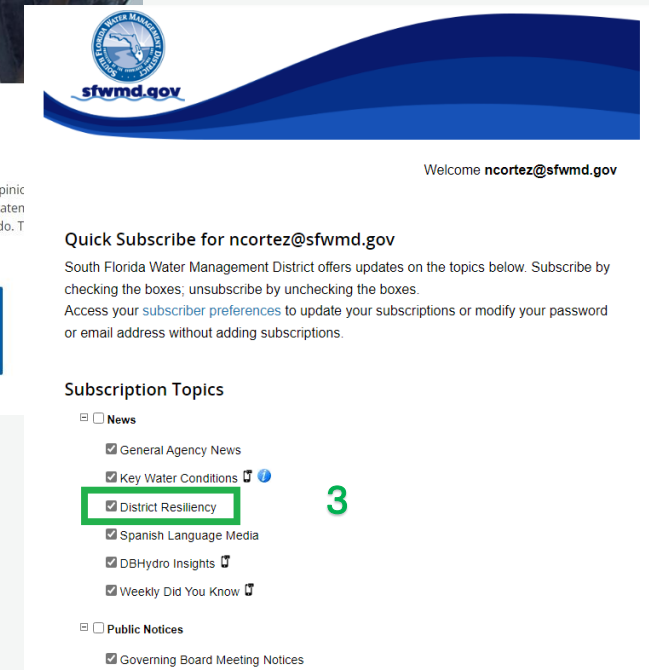


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2. Enter your email address
3. Select “District Resiliency” under Subscription Topics



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www.sfwmd.gov/resiliency for updates and resources



07

Adjourn

Thank you for your participation!

