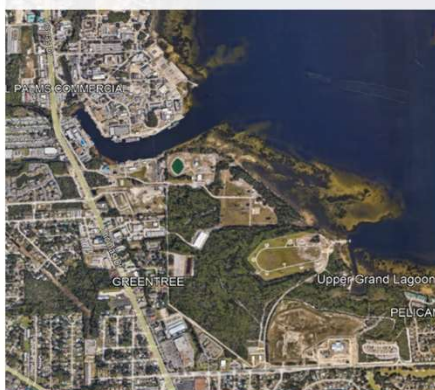


EMERALD COAST AREA RESILIENCE COLLABORATIVE

January 15, 2025

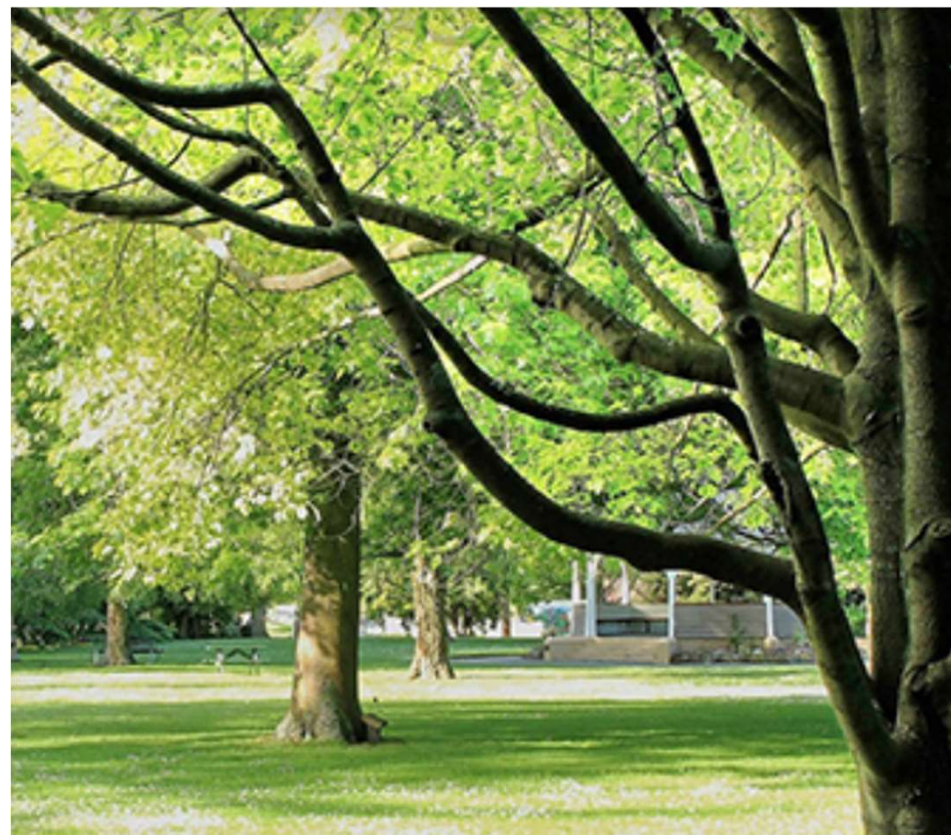


Funded in part by the Florida Department of Environmental Protection



AGENDA

- Overview and Role of EC-ARC
- Update on the MOU
- Projects:
 - Key MIRR Projects: Updates and Changes
 - Upcoming Bill Van Houten Visit
 - Opportunities for Local Feedback and Updates
 - Regional Vulnerability Assessments
 - Intergovernmental Support Agreements
- Open Discussion



EMERALD COAST AREA RESILIENCE COLLABORATIVE

- Started through a seed grant from the American Flood Coalition in 2021.
 - Currently funded by the Florida Department of Environmental Protection as a Regional Resilience Entity
- Represents the seven-county ECRC region including Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, and Bay Counties.
- EC-ARC will work to facilitate regional collaboration on resilience projects identified in the Emerald Coast MIRR and continue updating resilience strategies.



EC-ARC MOUS

Emerald Coast Resilience Collaborative Memorandum of Understanding

This Memorandum of Understanding (MOU) is entered into on this _____ of _____, 2021, among the undersigned members of the Emerald Coast Region. All Parties are collectively referred to as the Members or Collaborative Members.

Recalling the Emerald Coast Regional Council's (ECRC) resolution of April 12, 2021, in which the unanimous decision was made by the ECRC Board to support a program to convene stakeholders across disciplines and the Emerald Coast region to develop the framework for a regional resilience collaborative, herein including the undersigned Members that make up the seven counties of Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, Bay, and their municipalities:

1-Express gratitude to the Emerald Coast Regional Council, and its governing Board, who have underscored the importance of creating a collaborative framework for action and are committed to implementing resilience measures to guide and support the efforts of our local jurisdictions, individually and collectively; and

2-Endorse the Emerald Coast Resilience Collaborative and the aforementioned Resolution, which is contained in the minutes from previous meeting.

WHEREAS, the Emerald Coast Resilience Collaborative has been formed to coordinate climate adaptation and mitigation activities across county lines, to advance local and regional responses to and preparations for economic and social disruptions caused by natural and man-made events, and to provide state and local agencies with access to technical assistance and support in addressing these events; and

WHEREAS, the Counties of Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, and Bay and the municipalities within (the "Collaborative Members"), are a unique and extraordinary area, sharing a sense of community, economy, and critically important environmental resources; and

WHEREAS, the Emerald Coast Region is home to more than an estimated 1 million residents as of 2020, approximately 4.66% of the population of the State of Florida, includes 7 military installations, and several recreational spaces, including state parks and forest, a national seashore, natural springs; and

WHEREAS, the resiliency of the Emerald Coast Region's economic, environmental, and social health relies on crucial coastal transportation infrastructure, including seaports, rail systems, road, and airports; and


- Members include municipalities (cities and counties) but could be expanded to include military installations or other key partners.
- MOU signatures:
 - Santa Rosa, Okaloosa, and Washington Counties
- Continued questions:
 - What can we do to support conversations with elected officials?
 - What can our military installations sign?





FINAL REPORT



EMERALD COAST MIRR STORYMAP

 Emerald Coast Regional Council

 ...



Working To Preserve And Enhance The
QUALITY OF LIFE
In Northwest Florida.

Emerald Coast Regional Council

MILITARY INSTALLATION RESILIENCE REVIEW

October 24, 2024

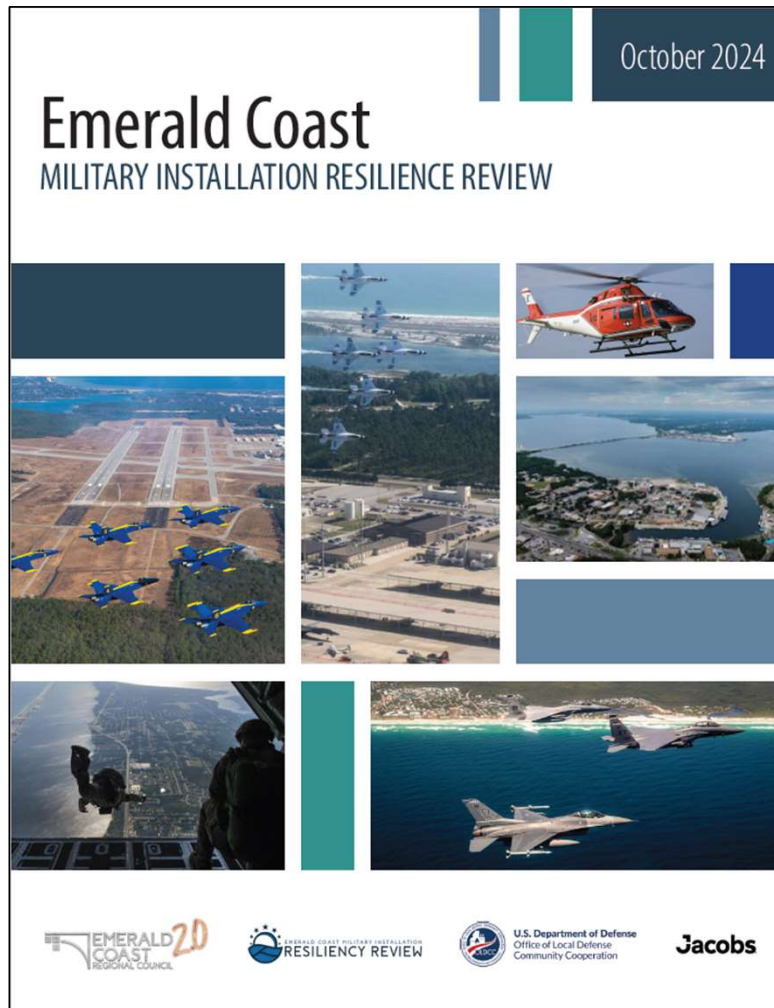
[Introduction](#) [Project Locations](#) [NAS Pensacola](#) [NAS Whiting Field](#) [Eglin AFB](#) [Hurlburt Field](#) [NSA Panama City](#) [Tyndall AFB](#) [Projects](#) [Resilience Implementation](#) [This story map was created by ...](#)

Introduction

Emerald Coast Regional Council



FINAL REPORT



What you'll find inside:

- Good news!
- Comprehensive assessment of risks to mission in our defense communities
- Ranked project list by installation with next steps clearly outlined
- Clear regional priorities for resilience investments
- Ongoing process for collaboration and regular updates to project list
- Table with potential funding opportunities
- And more!



FINAL REPORT



What won't find inside:

- Projects that are on the installations or would have to be done by DoD
- Detailed designs or engineering for any of these projects
- A definitive list of all projects that could address a vulnerability for our region's installations
- Projects that didn't have a "champion" ready to take them on



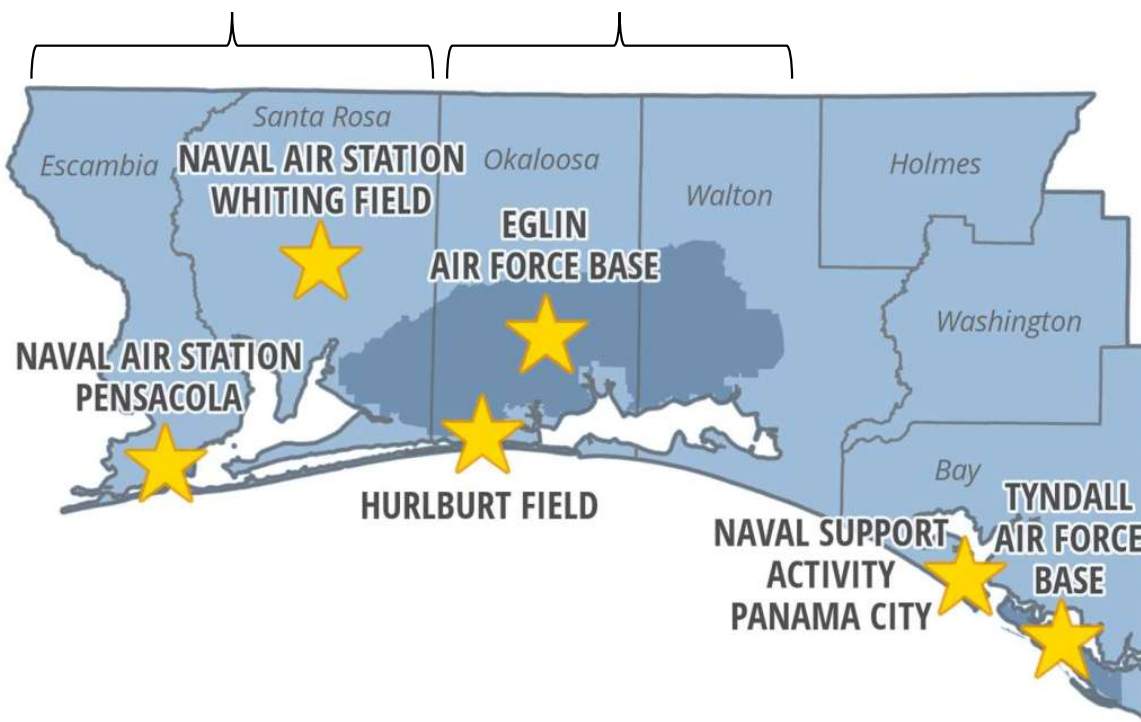
STATEWIDE MIRR ACTIVITY

Florida Regional Planning Councils

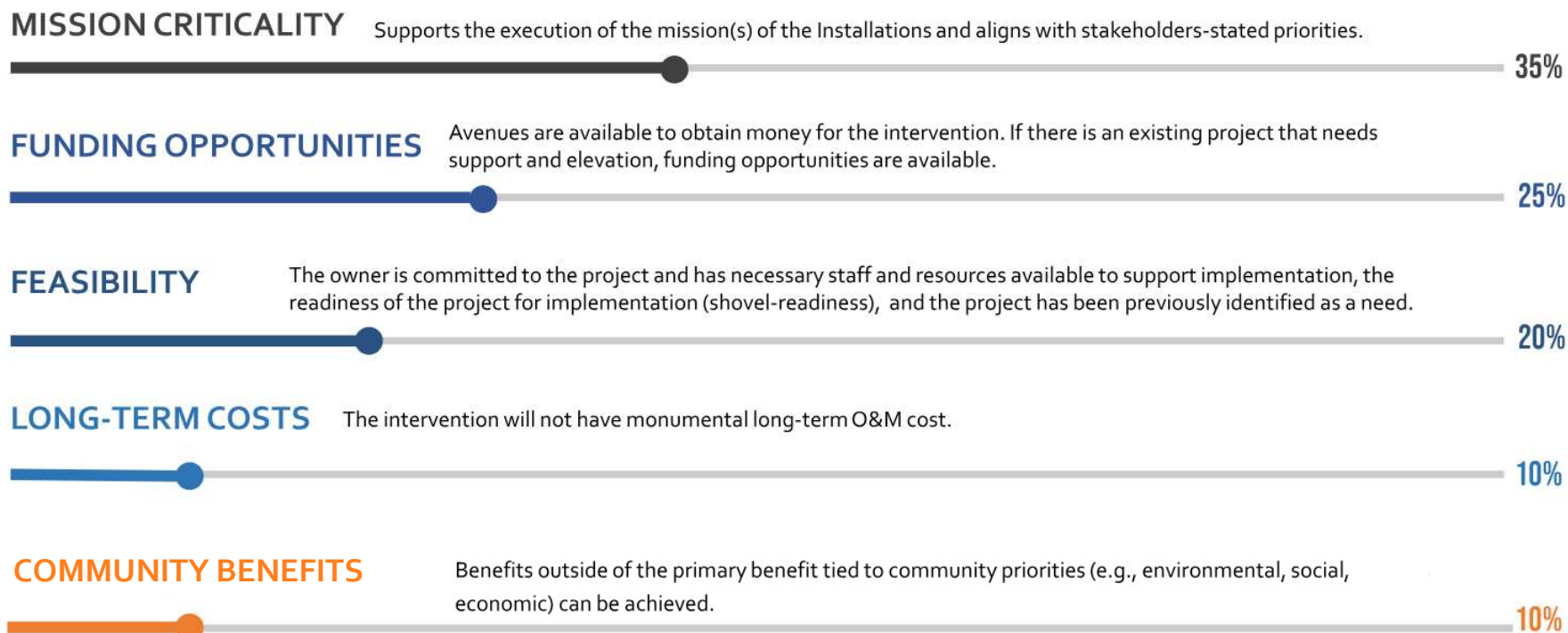


- MIRRs Around Florida
 - Completed
 - South Florida
 - Tampa Bay
 - Emerald Coast
 - Ongoing / Upcoming
 - East Central
 - Central Florida
 - Northeast Florida
- Florida Defense Alliance is working to have the MIRR project lists consolidated
 - Will advocate for state funding to move the projects forward
 - Working with the legislature to give MIRR projects extra points in state funding

LOCAL MIRR IMPLEMENTATION WORKING GROUPS



ADAPTATION METRIC RANKINGS



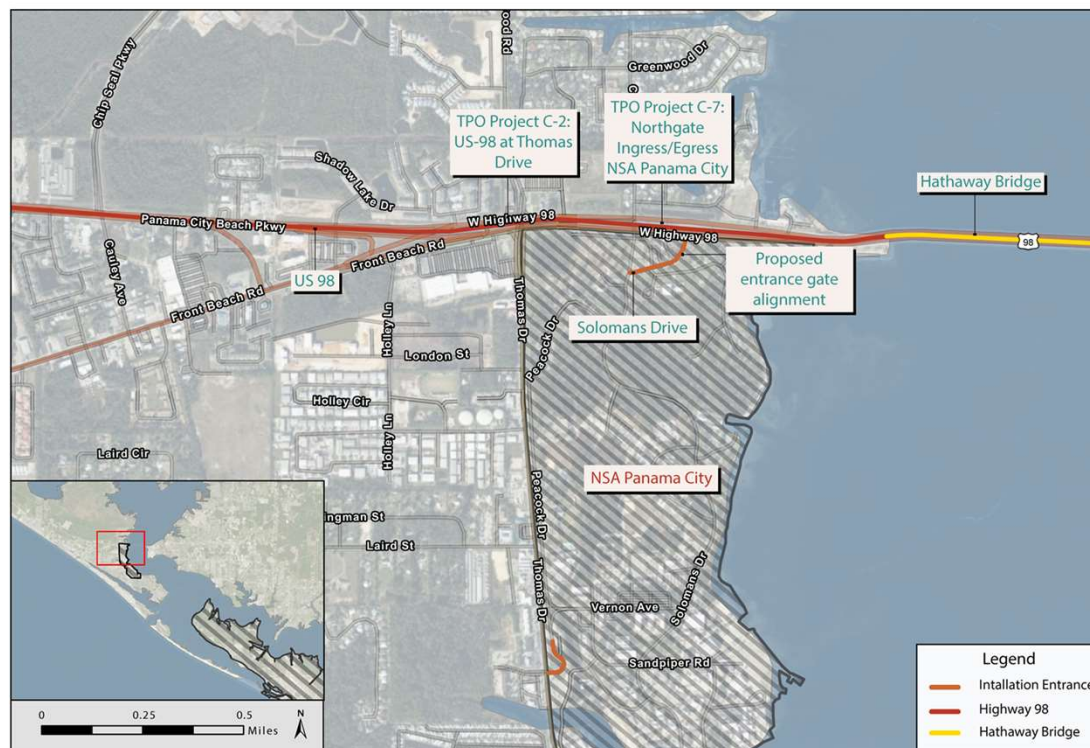
REGIONAL POLICY RECOMMENDATIONS

- Increasing the Available Housing Supply
- Improving Access to Childcare
- Reducing the Insurance Cost Burden
- Updating Building Code and Design Standards
- Protecting the Eglin Gulf Test and Training Range
- Improving Regional Quality of Life
- Preserving Habitat for Threatened and Endangered Species



RESILIENCE STRATEGY UPDATES

- Project status updates
 - Any progress
 - Changes that would affect rankings
- Requests for assistance
 - How can we as a group help?
 - Need for shared expertise?
- New projects to consider
 - Must meet MIRR project criteria
 - Meets a critical military need
 - Occurs outside of the fence line
 - Typically implemented by local government or utilities



NAS PENSACOLA - RESILIENCE STRATEGY RANKING

Resilience Strategies	Metric Ranking
Erosion Control at NASP	7.7
Tower improvements at PNS	7.0
ECUA Resilience Improvements	6.5
Blue Angel Parkway Improvements	5.7
Corry Station Flood Risk Reduction	5.5
Navy Boulevard Improvements	5.1
Gulf Beach Highway	4.9
Navy Point Community Improvements	3.9
Trout Bayou Encroachment	3.4
Alternative Water Line for Corry Station	2.5



NAS WHITING FIELD – RESILIENCE STRATEGY RANKING

Resilience Strategies	Metric Ranking
Resilient Wastewater Treatment	7.2
NAS Whiting Field Resilient Energy Park	7.0
Wildfire Mitigation	6.5
Munson Highway Connector	5.6
NAS Whiting Field Redundant Water Supply	5.4
Highway 90 Resilient Roadway	4.8
City of Milton Flood Mitigation	3.6
SR 87 Improvements	3.0



EGLIN AFB – RESILIENCE STRATEGY RANKING

Resilience Strategies	Metric Ranking
SR 85 Comprehensive Corridor Enhancement	7.6
Power Supply and Reliability Improvements	6.8
SR 285 Capacity Evaluation Study	6.1
US 98 Living Shoreline	5.8
Regional Intelligent Traffic Management	5.7
Potable Water Supply Redundancy and Resilience	5.6
Eglin Orphan Parcel Master Plan	5.1
Eglin Air Force Base Strategic Buffering	4.7
Choctawhatchee Bay Shoreline Protection	4.4
Highway 20 Capacity Enhancements	4.3
Navarre Beach Bridge Realignment and Reconstruction	3.9



HURLBURT FIELD – RESILIENCE STRATEGY RANKING

Resilience Strategies	Metric Ranking
Highway 98 Congestion Relief Package	8.0
City of Mary Esther and Hurlburt Wastewater Conveyance	6.1
Stormwater Ditch and Improvements	4.7
Lift Station Upgrades	2.9
Emergency Communication System Upgrades	2.7



NSA PANAMA CITY – RESILIENCE STRATEGY RANKINGS

Resilience Strategies	Metric Ranking
Installation Access Improvements on Highway 98	8.2
New North Water Treatment Plant	7.5
Redundant Water Supply Loop for the City of Panama City Beach	7.3
NSA Panama City Shoreline Protection and Resilience	5.5
Power Supply Reliability Improvements	5.3
Barefoot Palms	4.9
St. Andrew Bay Navigation	2.5



TYNDALL AFB– RESILIENCE PROJECT RANKING

Resilience Projects	Metric Ranking
Upgrade Transmitter Road Water Treatment Plant	8.2
Tyndall AFB Coastal Resilience	6.3
Tyndall Parkway Improvements	6.3
Highway 22 Widening	4.9
Redundant Water Line to Tyndall AFB	4.4
North Bay WWTP Upgrades	4.1
Tree Canopy Restoration	4.1
Lift Station Improvements	3.7
Relocation of Panama City Millville WWTF	3.6
Military Point Advanced Wastewater Treatment Facility Upgrades	3.0



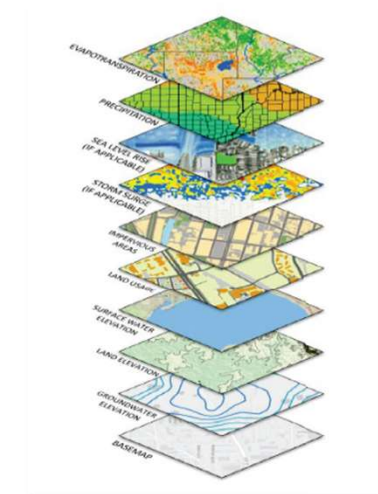
IMPLEMENTATION PLANNING - LONG TERM

- Annual In-Person Meeting
 - Add new projects
 - Update the prioritization of local projects
 - Commit to any new region-wide initiatives
 - Likely week of October 20 in Santa Rosa County
- Increase regional collaboration around resilience practices and leverage partnerships to improve grant competitiveness.
- Unified regional voice to state and federal agencies when possible.



- Required by Florida Statute passed in 2021
 - 380.093
- This study is part of the Florida Resilient Coastline Program run through the Florida Department of Environmental Protection

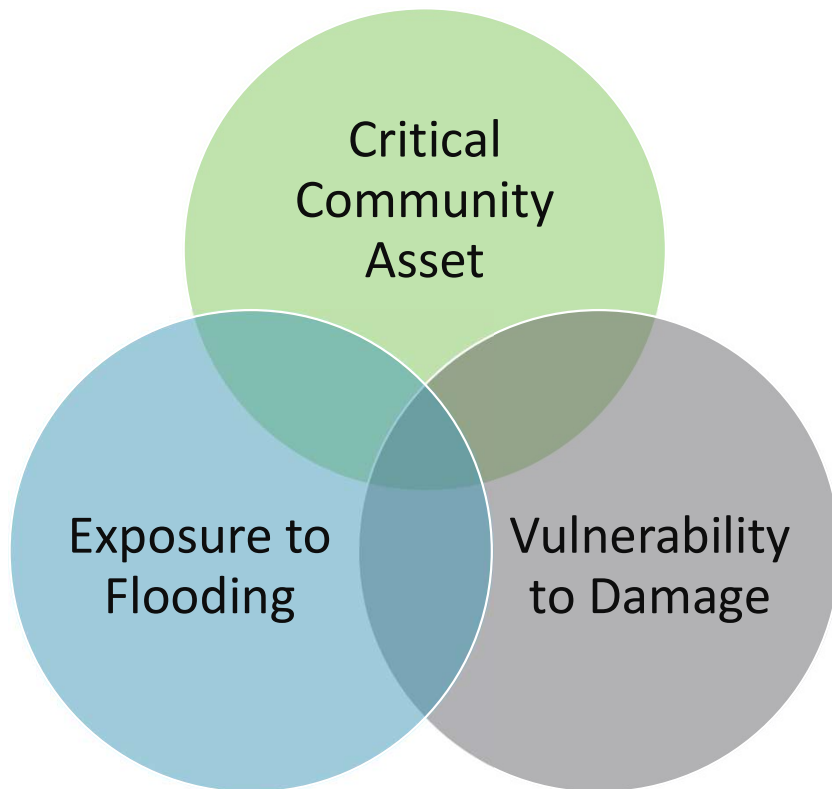
Standardized Vulnerability Assessment: Scope of Work Guidance



Example Input Data Schematic for Flood Simulation Models (Esri, 2020; FDEP, 2017; HPRCC, 2022; Jean-Paul Rodrigue, 2015; NOAA, 2022; NOAA, 2018; USGS 2021; USGS, 2018)

Acknowledgements

This document was created by the Florida Department of Environmental Protection's (Department) Resilient Florida Program, within the Office of Resilience and Coastal Protection (ORCP) in partnership with the resilience team from Taylor Engineering, Inc. to act as a resource for local community efforts when assessing vulnerability through the Resilient Florida Program's planning grants. This document is up to date as of May 2022.



- Overall the goal of the study is to identify:
 - Critical community assets
 - Located in areas with a potential for flooding
 - That could be damaged by standing water

Vernon – Critical Assets

EMERALD COAST REGIONAL COUNCIL

Asset	Rainfall Scenario Flood Depth			
	100-Year		500-Year	
	2040	2070	2040	2070
CITY OF VERNON WWTF	0.99'	1.17'	1.32'	1.57'
VERNON MIDDLE SCHOOL	1.78'	1.97'	2.36'	2.61'
VERNON HIGH SCHOOL	1.78'	1.97'	2.36'	2.62'
VERNON CITY HALL (OLD HIGH SCHOOL)	1.77'	1.94'	2.35'	2.58'
CR 279/MOSS HILL RD	1.06'	1.20'	2.15'	2.40'
CR 278/PIONEER RD	0.94'	1.11'	1.35'	1.57'
VERNON CEMETERY	1.77'	1.94'	2.35'	2.58'

City of Vernon - 100-Year, 24-Hour Rainfall Flooding - 2040 Scenario

Critical Community & Emergency Facilities

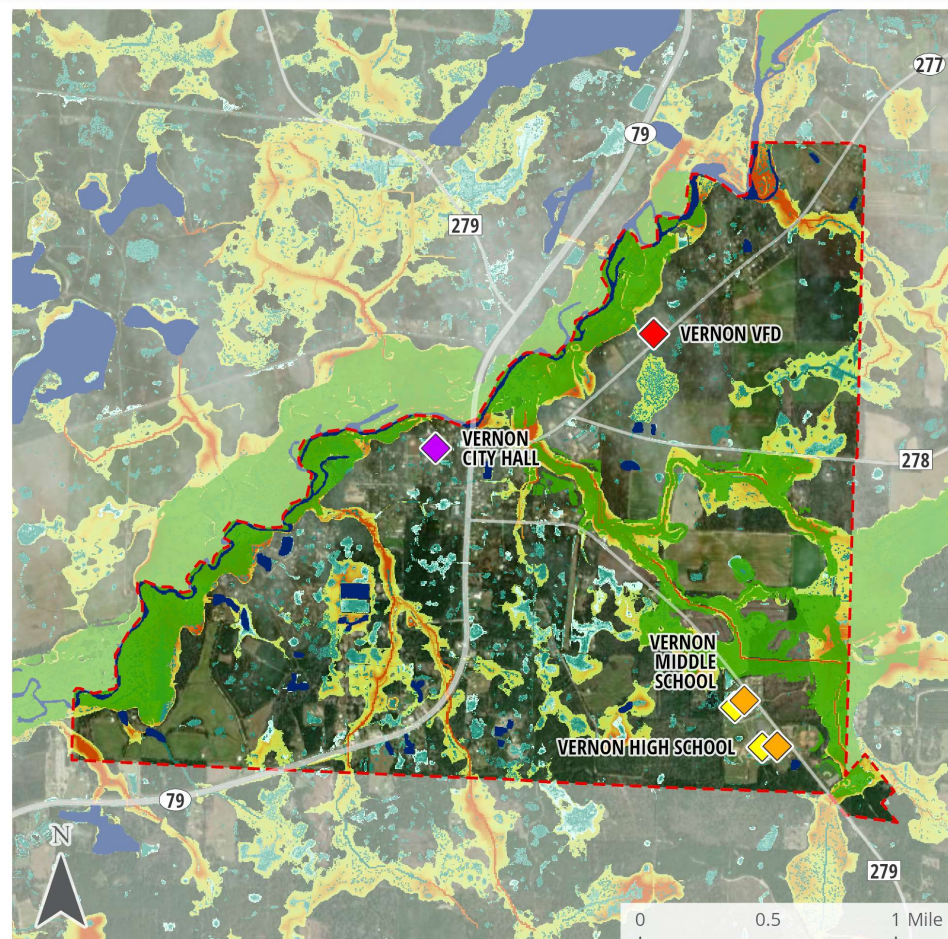
- ◆ Schools
- ◆ Fire Stations
- ◆ Local Government Facilities
- ◆ Risk Shelters

- Municipality
- Water Body
- Swamp
- Ponding Depth: Higher (dark green), Lower (light green)
- Drainage Flow Depth: Higher (orange), Lower (yellow)

Disclaimer: This figure is not intended to show the exact location of flooding and does not account for all variables affecting future flooding. Actual future flooding may differ from this graphic. This graphic is strictly a planning reference tool and is not for navigation, permitting, insurance rating, or other legal or regulatory purposes.

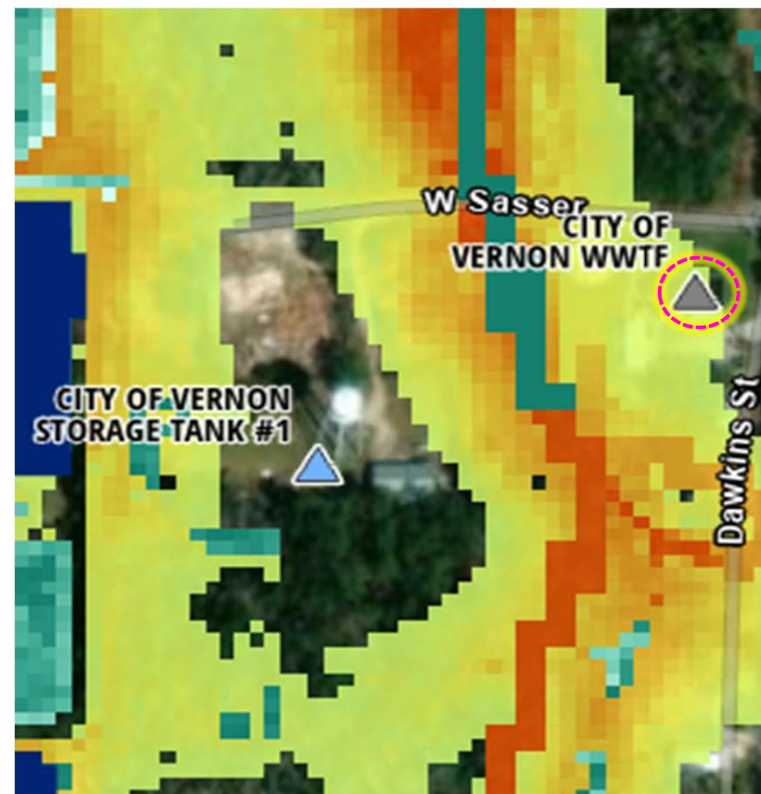
Source: ECRC, FDEP, City of Vernon

7/3/2024



Vernon – Exposed Assets

EMERALD COAST REGIONAL COUNCIL



Rainfall flooding (circled) at Vernon City Hall/Old High School (Left), and at Wastewater Treatment Facility (Right) in the 500-year 2070 rainfall scenario.















Vernon – Focus Areas

EMERALD COAST REGIONAL COUNCIL

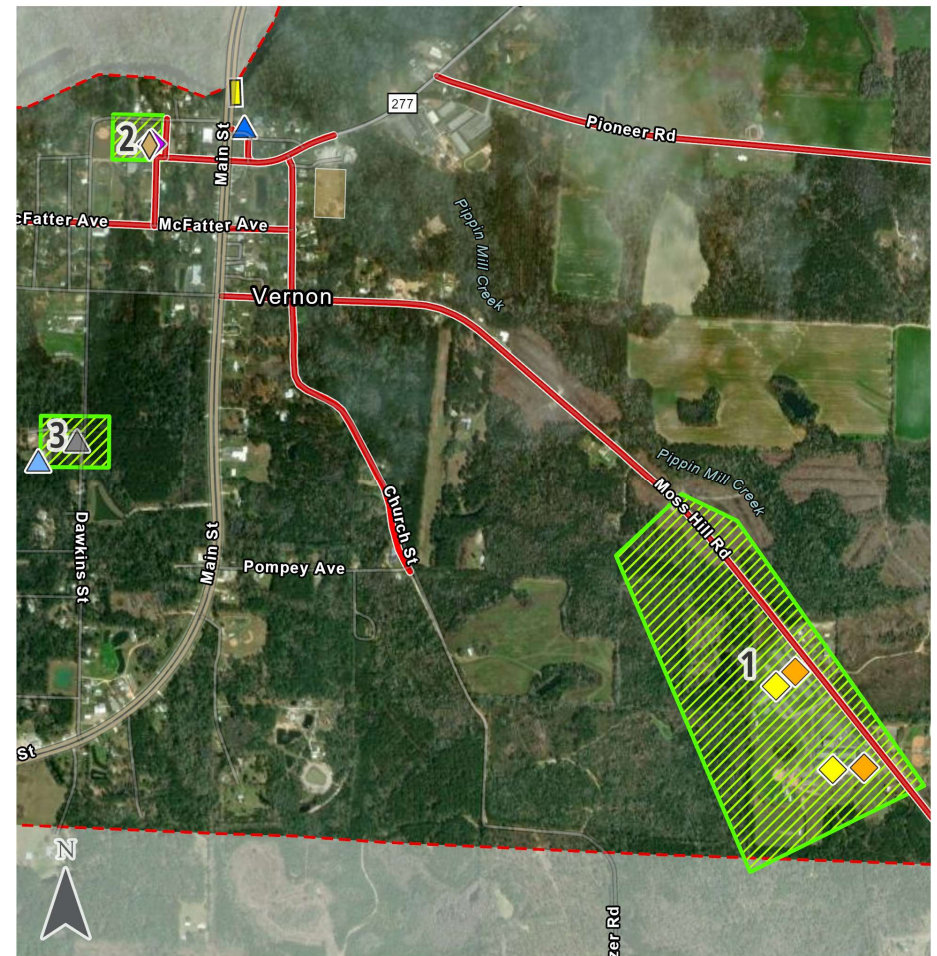
City of Vernon - Focus Areas and Critical Assets

7/25/2024

-  Focus Area
-  Municipality
-  Wastewater Treatment Facilities & Lift Stations
-  Drinking Water Facilities
-  Water Utility Conveyance Systems
-  Schools
-  Local Government Facilities
-  Risk Shelters
-  Historical and Cultural Assets
-  Major Roadways
-  Historical and Cultural Assets
-  Historical and Cultural Assets

Source: ECRC, FDEP, City of Vernon

0 0.25 0.5 Mile



Vernon – Top Priority Assets

EMERALD COAST REGIONAL COUNCIL

Asset	Asset Class	Address	Finished First Floor Elevation	Rainfall Scenario Flood Depth*			
				100-Year		500-Year	
				2040	2070	2040	2070
1. CITY OF VERNON WWTF	Critical Infrastructure	2964 Dawkins St	Not available	0.99'	1.17'	1.32'	1.57'
2. VERNON MIDDLE SCHOOL	Critical Community & Emergency Facilities	3190 Moss Hill Rd	Not available	1.78'	1.97'	2.36'	2.61'
3. VERNON HIGH SCHOOL	Critical Community & Emergency Facilities	3232 Moss Hill Rd	Not available	1.78'	1.97'	2.36'	2.62'
4. CR 279/MOSS HILL RD	Transportation Assets and Evacuation Routes	NW of Vernon Middle School property	N/A	1.06'	1.20'	2.15'	2.40'
5. VERNON CITY HALL (OLD HIGH SCHOOL)	Critical Community & Emergency Facilities	2808 Yellow Jacket Dr	Not available	1.77'	1.94'	2.35'	2.58'

*Depths for linear (roadway) and features are maximum modeled depths across the length or area within the town limits.



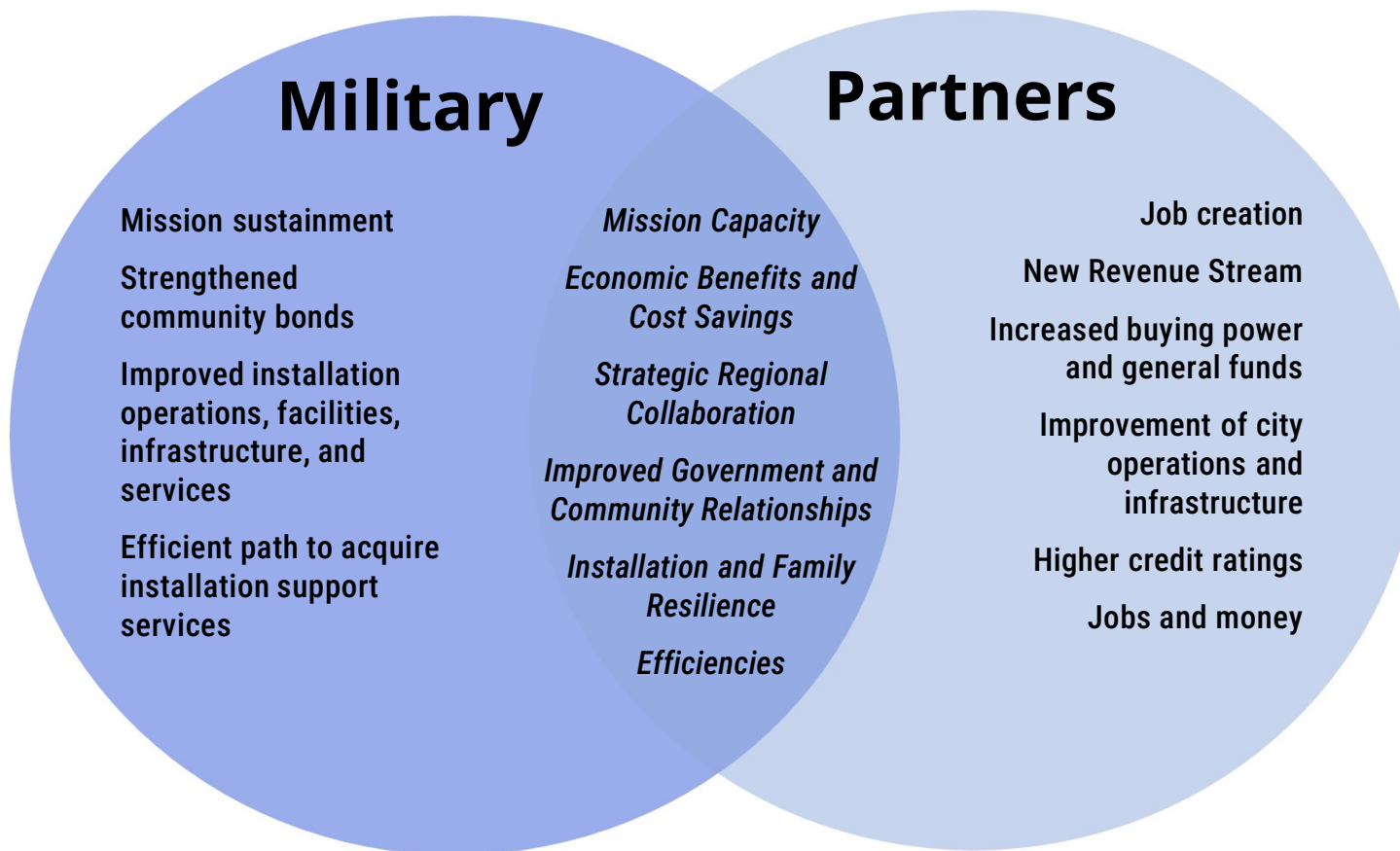
REGIONAL IGSAS



IGSAs are collaborative partnership agreements for services, material procurement, and mutual support that can enhance operational effectiveness.

- Eglin AFB
 - Refuse Services, Beach Park (Okaloosa Co) – in progress
- Hurlburt Field
 - Refuse Services (Okaloosa Co) – in progress
- NAS Whiting Field
 - Operation and Maintenance Support
 - Santa Rosa Co; City of Evergreen; City of Milton – Approved
 - Several other cities – in progress
- NSA Panama City
 - Roadway Maintenance and Repair (Bay Co) – Approved
 - Utility Services (Bay Co) – in progress
- NAS Pensacola
 - Airfield maintenance (City of Pensacola) – in progress
- Navy Installations
 - Planning, Design, Environmental Services (Emerald Coast Regional Council) – in progress





Salas O'Brien

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Christie Rother, Project Analyst

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Emerald Coast Regional Council

Eric Christianson, Community Planner

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Thank You



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Ada.Clark@ECRC.org

Eric Christianson, Planner
Eric.Christianson@ECRC.org



May 21th, 2025, 2:00pm – 3:00pm CST (3:30pm – 4:30pm EST)

Virtual – Teams Meeting

2:00 pm – 2:05pm Welcome, Meeting Overview

The meeting will open with a brief introductions and an overview of the meeting objectives

2:05 pm – 2:10 pm Discussion of MIRR Re-Prioritization and New Projects

- Plan for Fall meeting and begin discussion of any projects that may be reprioritized

2:10 pm – 2:25 pm Regional Resilience Projects Updates

- Escambia / Santa Rosa Counties – Debi Graham
- Santa Rosa / Okaloosa / Walton Counties – Jeff Fanto
- Bay County – John Scaggs

2:25 pm – 2:30 pm Open Discussion

- Open floor for additional comments, questions, and suggestions
- Discussion on future agenda items and scheduling of the next meeting

2:30 pm – 3:00 pm Soil Conservation Project Manager – Sandy Pizzolato

- Presentation of Eglin AFB wetland & floodplain management
 - Discussion of delisting of Okaloosa Darter
-

Will Mather, WSP
William Collins, The Nature Conservancy
Robert Bendick, The Nature Conservancy
Rick Harter, Living Shorelines

Minutes:

The meeting, which began at 2:00 PM CST, was attended by 54 participants, including stakeholders from local governments, military installations, environmental groups, and various agencies.

Eric Christianson, Community Planner at ECRC, opened the meeting with a brief overview of the Emerald Coast Area Resilience Collaborative (EC-ARC). He reiterated the collaborative nature of the group in implementing the Military Installation Resilience Review (MIRR) priorities and updating regional resilience strategies. Eric reminded the group of EC-ARC's responsibility in coordinating resilience efforts across the Emerald Coast region, particularly those supporting military installations and community infrastructure.

Eric shared news of the retirement of long-time Office of Local Defense Community Coordination (OLDCC) project manager Bill Van Houten and introduced Mauricio Castro as the new OLDCC contact. He noted progress on two installation readiness grants in the current funding cycle:

1. Bay County Water Treatment Plant Site Assessment, designed to reduce single points of failure for water supplies serving NSA Panama City, Tyndall AFB, and adjacent communities.
2. Mary Esther-Hurlburt Wastewater Forcemain, aimed at facilitating plant closures and regional wastewater conveyance.

A previously considered project for the US 98 Living Shoreline will no longer require additional design funding although they are still seeking funding sources for construction.

Eric discussed progress towards formation of local working groups to support implementation coordination and project reprioritization. He presented the existing MIRR project rankings, noting they had not been updated since mid-2024 and that local input was now being requested to reassess feasibility and funding readiness for each project.

He explained the ranking methodology, which weighs mission criticality, feasibility (including asset owner commitment and permitting status), available funding, and long-term benefit. Several MIRR-related transportation projects have now been incorporated into updated Long Range Transportation Plans (LRTPs) for our region's Transportation Planning Organizations.

Jeff Fanto, Eglin AFB – Hurlburt Field Working Group representative, reported on prioritized projects in his area of focus including:

- Improvements to State Roads 85 and 285, and US 98
- Power supply reliability
- Emergency communications upgrades
- Wastewater and stormwater system enhancements
- Shoreline protection measures

Jeff described the structure and purpose of the Eglin-Hurlburt implementation work group, noting its alignment with the Tri-County Partnership Initiative (TCPI). He also highlighted overlapping regional projects and noted that Col. Sterling with Eglin AFB is serving as the group's senior installation leader.

Jeff emphasized the regional benefit of the Mary Esther-Hurlburt Wastewater Forcemain project and explained that Eglin's own transition out of the wastewater utility business had provided a useful precedent. He also described progress on shoreline stabilization efforts to prevent erosion along US 98.

John Skaggs, Community Planning Liaison Officer (CPLO) NSA Panama City, emphasized the importance of water redundancy project and the recent success in moving these long term projects forward.

- The New Water Treatment Plant Site Assessment, now under OLDCC grant consideration
- A Bay County looped water supply to ensure continued service in the event of infrastructure failure

He also highlighted the long-awaited success of the Barefoot Palms site encroachment resolution, finalizing the addition of eight acres to NSA Panama City after over two decades of effort. Tyndall AFB coastal protection projects were also noted for their use of nature-based solutions and the beginning of Phase II of implementation soon.

Steve Opalenik, CPLO NAS Pensacola, described:

- The fully funded Living Shoreline Project along three miles of waterfront to enhance ecological and infrastructure resilience
- The South Navy Boulevard Improvement Project, which has advanced to design and public engagement stages, with further funding anticipated through competitive grants

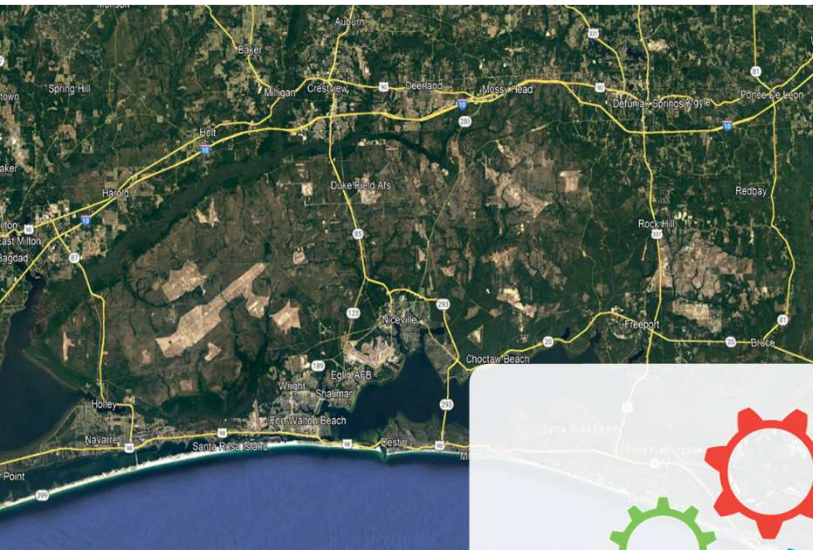
Randy Roy, CPLO NAS Whiting Field, reported on:

- A phased strategy for resilient wastewater treatment led by the City of Milton
- Early-stage discussions with Florida Power & Light for a Whiting Field microgrid and solar project
- Progress on wildfire mitigation at Escambia Point
- Highway improvements and future DSIP grant applications supporting wastewater infrastructure upgrades and utility transfer

Eric Christianson briefly reported progress on Intergovernmental Support Agreements (IGSAs) in the region. While no new agreements have been finalized since the previous meeting, several are advancing and expected to close soon. EC-ARC continues to advocate for local governments and installations to pursue these agreements to improve efficiency and service delivery.

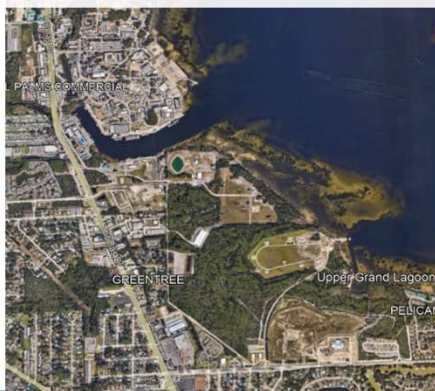
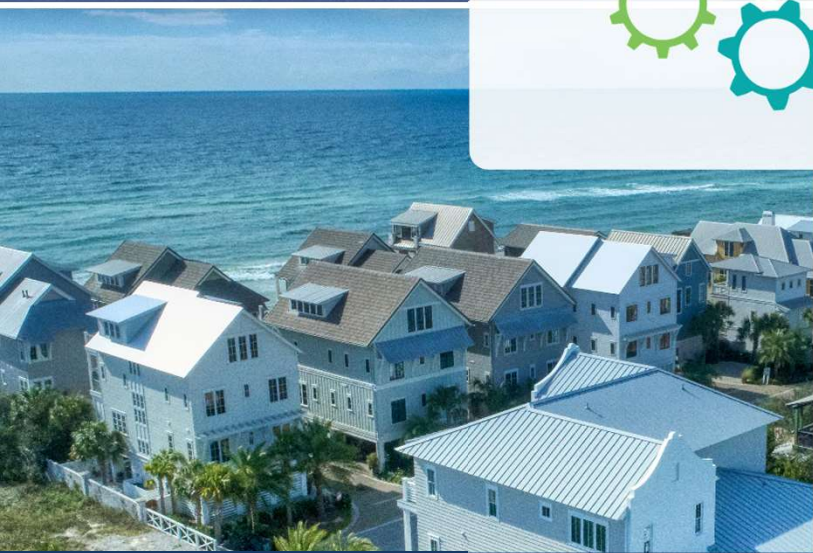
William "Sandy" Pizzolato delivered a presentation on his 30-year career managing wetlands and floodplains at Eglin AFB. He reviewed the successful recovery and eventual delisting of the Okaloosa darter, the first aquatic vertebrate to be removed from the Endangered Species List due to proactive conservation measures on a Department of Defense installation.

Sandy discussed the species' limited habitat, conservation challenges, and numerous stream restoration techniques used to restore natural flows, reconnect floodplains, and manage upland erosion. He emphasized the importance of long-term partnerships with USGS, USFWS, FWC, and local universities. The recovery was characterized by infrastructure removal, stream reconfiguration, pond decommissioning, and riparian rehabilitation across dozens of stream sites. The meeting adjourned at 3:15 PM CST.



EMERALD COAST AREA RESILIENCE COLLABORATIVE

May 21, 2025

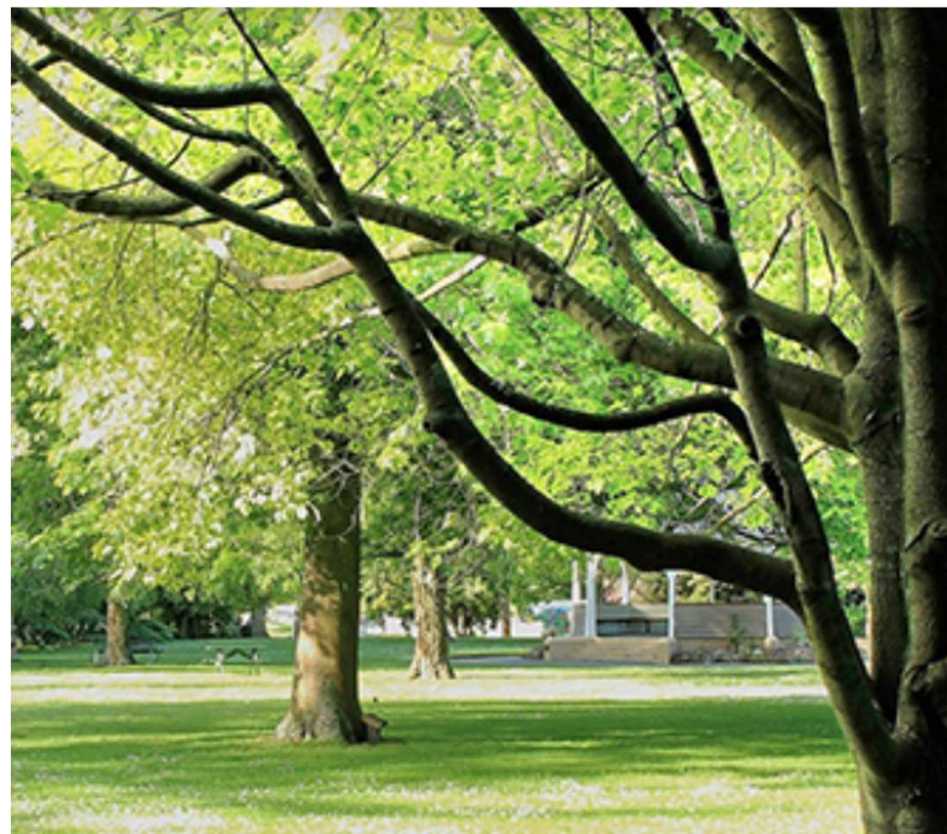


Funded in part by the Florida Department of Environmental Protection



AGENDA

- Overview and Role of EC-ARC
- OLDCC Updates
- Projects:
 - Key MIRR Projects: Updates and Changes
 - Eglin AFB / Hurlburt Field
 - NAS Pensacola / NAS Whiting Field
 - NSA Panama City / Tyndall AFB
 - Intergovernmental Support Agreements
- Open Discussion



EMERALD COAST AREA RESILIENCE COLLABORATIVE

- Funded in part by the Florida Department of Environmental Protection as a Regional Resilience Entity
- Represents the seven-county ECRC region including Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, and Bay Counties.
- EC-ARC facilitates regional collaboration on resilience projects identified in the Emerald Coast MIRR and continue updating resilience strategies.

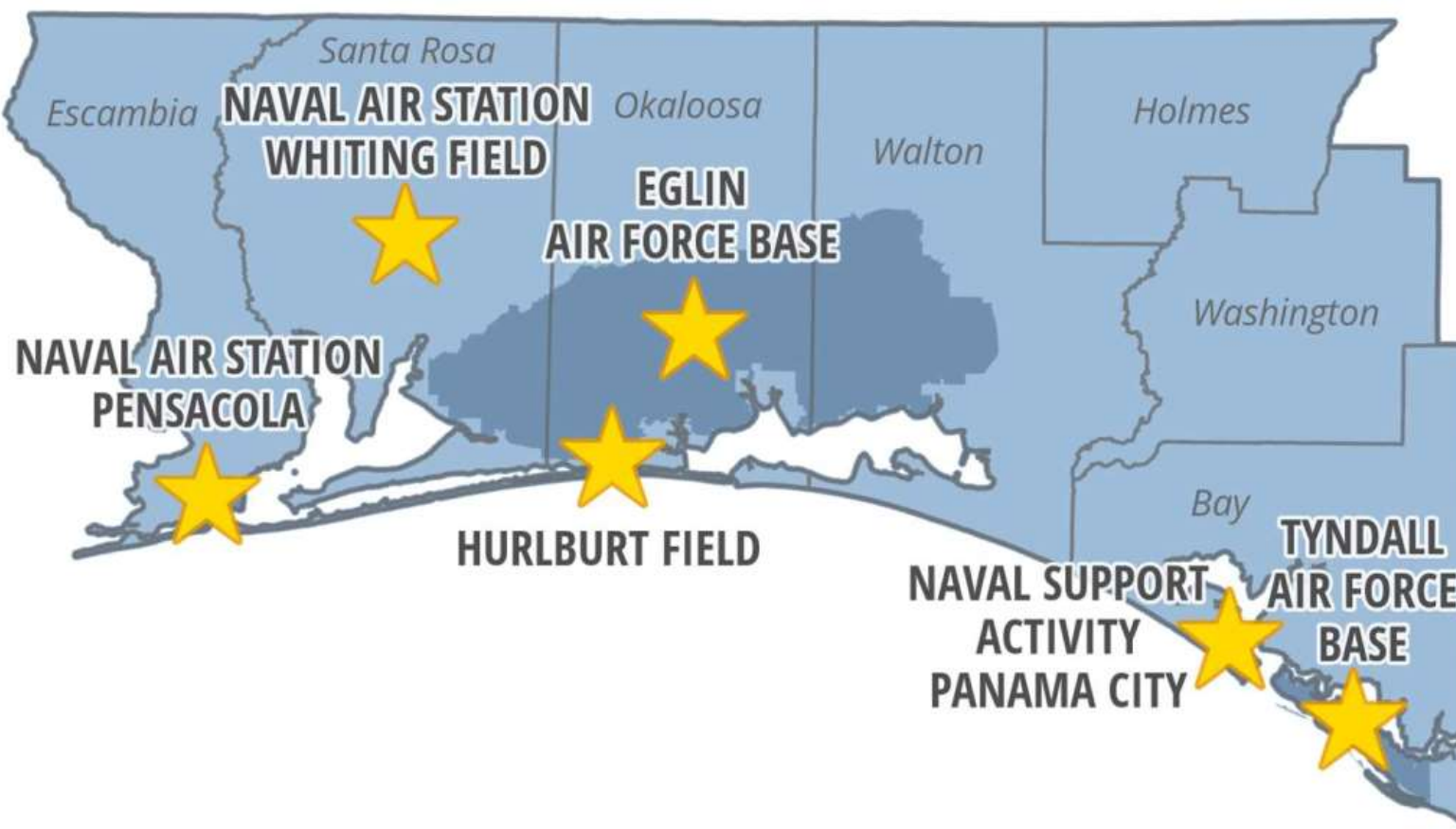


OLDCC UPDATES

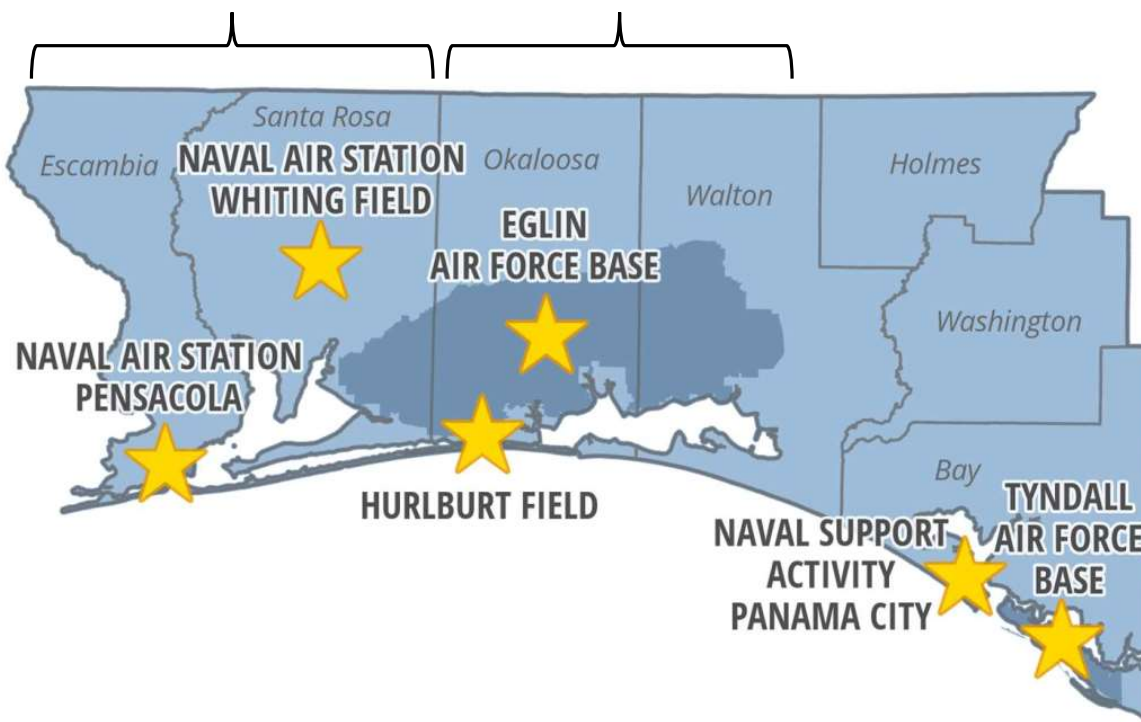
- Bill Van Houten our MIRR Project Manager has retired as of last week.
- We will now work with Mauricio Castro as our primary contact.
- OLDCC Installation Readiness Grants in Progress
 - Bay Water Treatment Site Assessment
 - City of Mary Esther / Hurlburt Field Forcemain



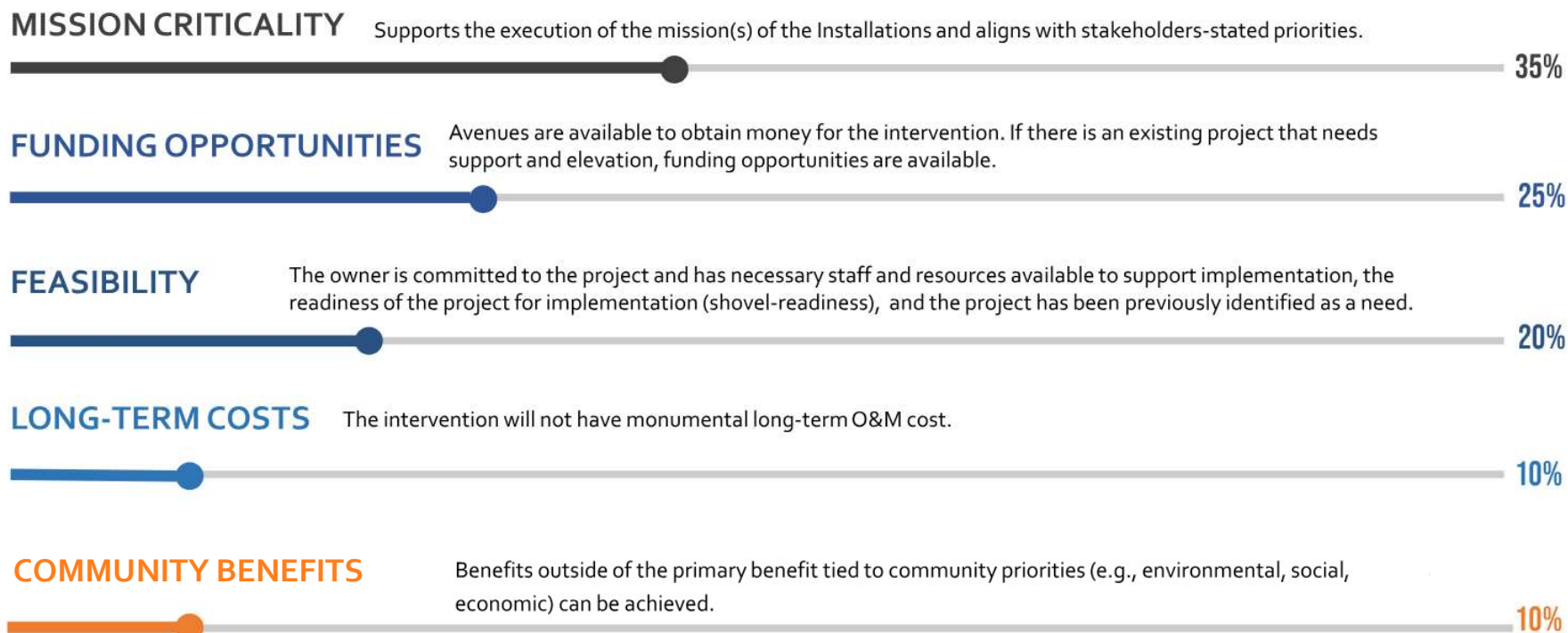
MIRR PROJECT UPDATES



LOCAL MIRR IMPLEMENTATION WORKING GROUPS



ADAPTATION METRIC RANKINGS



FUNDING OPPORTUNITIES SCORING

No external funding needed; finances already secures-----	10
High confidence in funding availability-----	8
Moderate funding options; success uncertain-----	6
Some funding available; highly competitive or unreliable-----	4
Limited funding sources; significant challenges expected-----	2
No funding avenues identifies; initiation significantly hindered-----	0



PROJECT FEASIBILITY

Owner Commitment and Staff Ability

Minimal Commitment
Low Staff & Resources



Strong Commitment
Ample Staff & Resources

Shovel-Readiness

Project Still Conceptual
Design Work Still Needed



Project Fully Designed
No Adtl. Permits Needed

Identification in Local Planning Documents

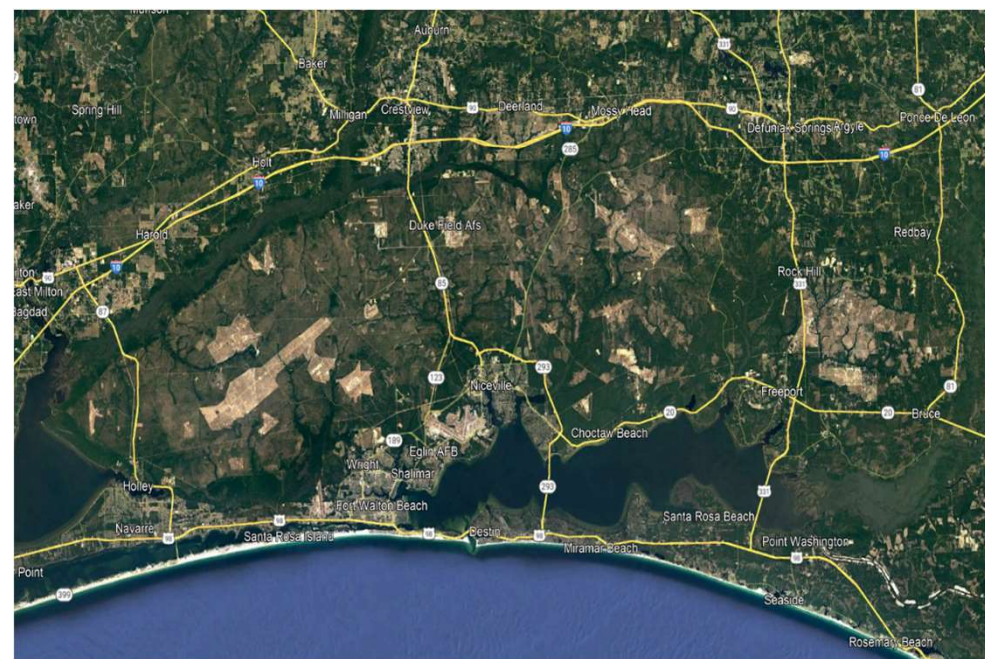
Newly Identified Project



Need Well Documented
Prioritized in Local Plans



EGLIN AFB AND HURLBURT FIELD PROJECT PRIORITIES



Eglin & Hurlburt Field Priority Projects

Eglin AFB Priority Projects	Strategy Score
SR 85 Comprehensive Corridor Enhancement	7.6
Power Supply and Reliability Improvements	6.8
SR 285 Capacity Evaluation Study	6.1
US 98 Living Shoreline	5.8
Regional Intelligent Traffic Management	5.7
Potable Water Supply Redundancy & Resilience	5.6
Eglin Orphan Parcel Master Plan	5.1
Eglin Air Force Base Strategic Buffering	4.7
Choctawhatchee Bay Shoreline Protection	4.4
Highway 20 Capacity Enhancements	4.3
Navarre Beach Bridge Realignment & Construction	3.9

Hurlburt Field Priority Projects	Strategy Score
Highway 98 Congestion Relief Package	8.0
City of Mary Esther & Hurlburt Wastewater Conveyance	6.1
Stormwater Ditch & Improvements	4.7
Lift Station Upgrades	2.9
Emergency Communication System Upgrades	2.7



MIRR Implementation Work Group

Community Co-Chair – Jeff Fanto, President EDS LLC

Eglin Co-Chair – Eric Rushing, Engineering Division Chief, 96 CEG

Hurlburt Co-Chair – Matt Vera, Engineering Flight Chief, 1 SOCES

Champion: Col Michelle Sterling	96 CEG Commander	Eglin AFB
Darryl Boudreau – Northwest Florida Water Management District	Russell Beaty – Walton Co Sheriff's Office	John Hofstad – County Administrator – Okaloosa County
Joy Brown – Northwest Florida Sentinel Landscape	Gordon King – CEO – Okaloosa Gas District	Sheila Fitzgerald – Deputy County Administrator – Okaloosa County
Ada Clark – Emerald Coast Regional Council	Kristen Shell – Deputy City Manager – City of Niceville	Sid Saunders – Pendulum Services
Eric Christianson – Emerald Coast Regional Council	Tina Rushing - CHELCO	Scott Davidson – Hurlburt Field
Roshita Taylor – Emerald Coast Regional Council	Daniel Nocher – Eglin Energy Office	Alex Blanco-Castano – Eglin AFB
Lionell Poston – Walton Co EDA	Nick Pulire – Intern – Matrix Design Group	

MIRR Implementation Work Group – Purpose & Objectives

- **Purpose:** Support ECRC MIRR recommendations for land use, resources and infrastructure project implementation.
- **Objectives**
 - **Support Mission Assurance.** Protect and preserve military readiness and defense capabilities through funded interventions to supporting infrastructure
 - **Promote Resilient Communities.** Improve the public health, safety, and general welfare of those living and working at or near the installations through implementable, maintainable interventions which better prepare our communities for future impacts and faster recovery from disasters.
 - **Foster Regional Cooperation.** Increase public awareness of the military missions through closer communications and interventions that are integrated with ongoing community resilience planning.
 - **Regularly coordinate with the Emerald Coast Area Resilience Collaborative (EC-ARC).** Provide updates to and receive updates from EC-ARC on ongoing MIRR projects within the region.

**Hurlburt
Field &
Community**

**Eglin AFB &
Community**

- Mary Esther Stormwater Ditch & Improvements

- Mary Esther Wastewater Treatment

- Emergency Communication System Upgrades
- Lift Station Upgrades
- Hwy 285 Comprehensive Corridor Enhancement
- Regional traffic Intelligent Mgmt

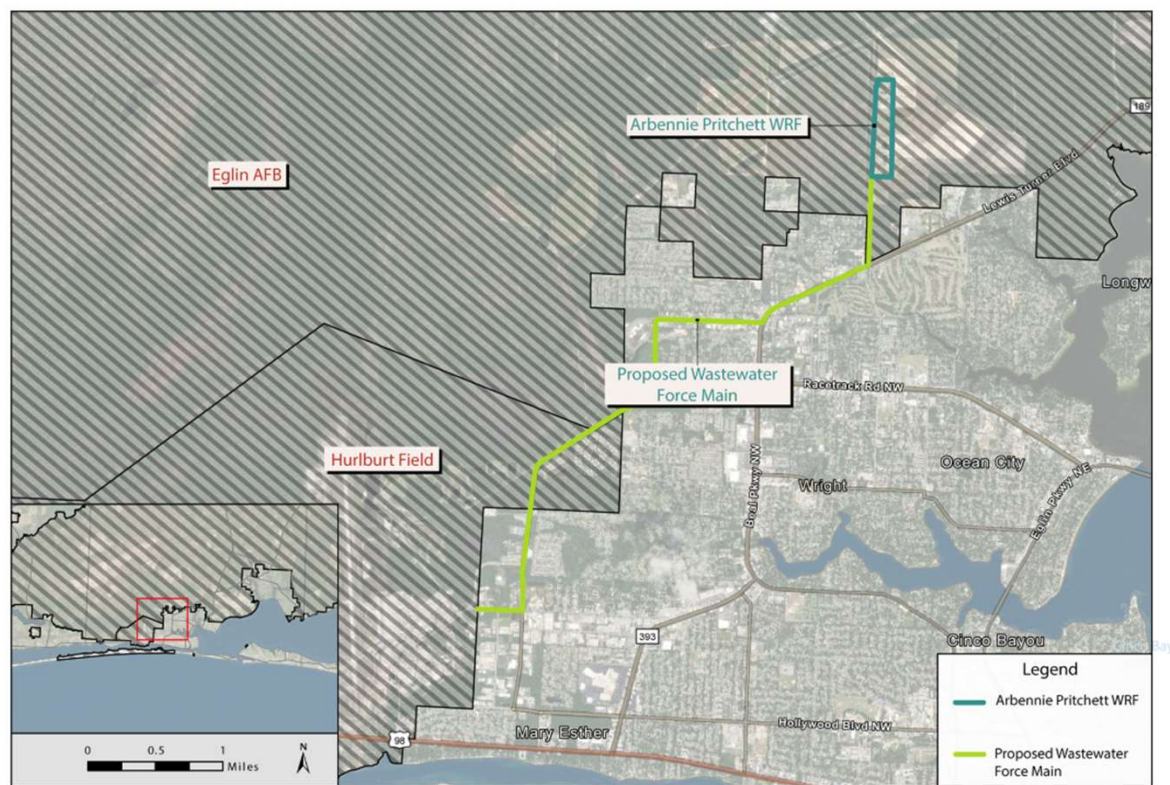
- Hwy 98 Congestion
- Hwy 85 Corridor Enhancement

- Hwy 285 Capacity Evaluation Study
- Shoal River Buffer
- Navarre Beach Bridge Realignment & Reconstruction
- Power Supply and Reliability Improvements
- Potable Water Supply Redundancy and Resilience
 - Choctawhatchee Bay Shoreline Protection
- Hwy 20 Capacity Enhancement
- Eglin Orphan Parcel Master Plan
- Hwy 98 Living Shoreline

**Immediate
Needs**

**All projects
identified in
MIRR for Eglin
and Hurlburt
Field**

MARY ESTHER / HURLBURT WASTEWATER FORCEMAIN



The City of Mary Esther, in partnership with Hurlburt Field is seeking state funding and a grant from OLDCC to complete design and permitting for a regional wastewater connection project.

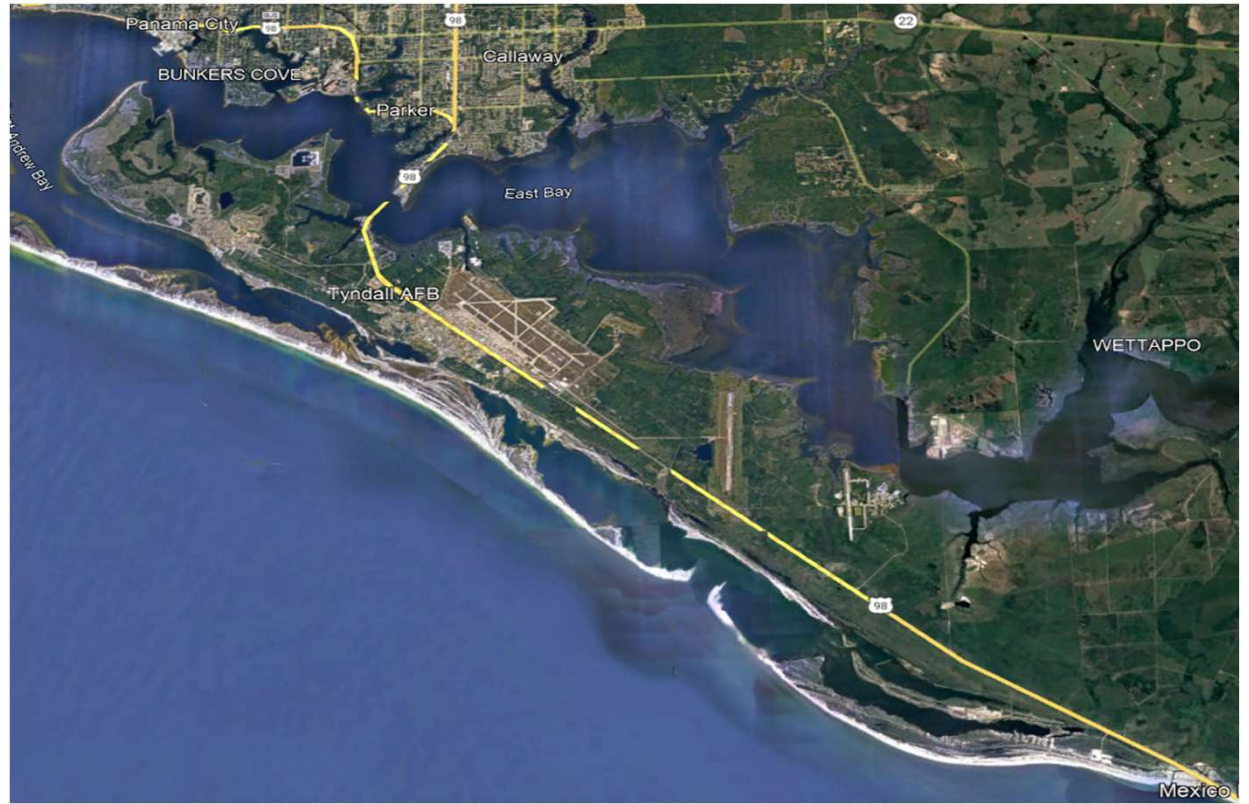
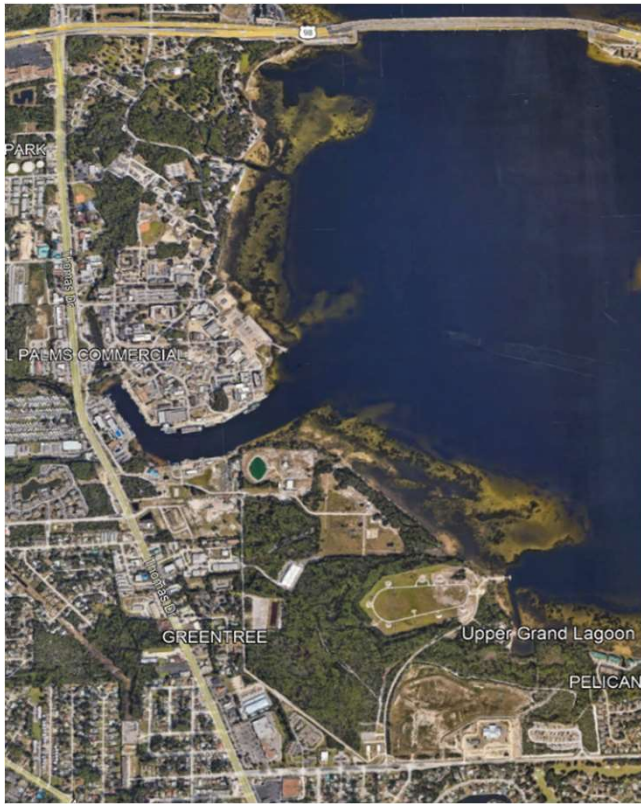
The project will consolidate wastewater services at the Arbennie Pritchett Water Reclamation Facility, improving efficiency and supporting mission readiness at Hurlburt Field.



Okaloosa Island Shoreline Stabilization



NSA PANAMA CITY AND TYNDALL AFB PRIORITIES

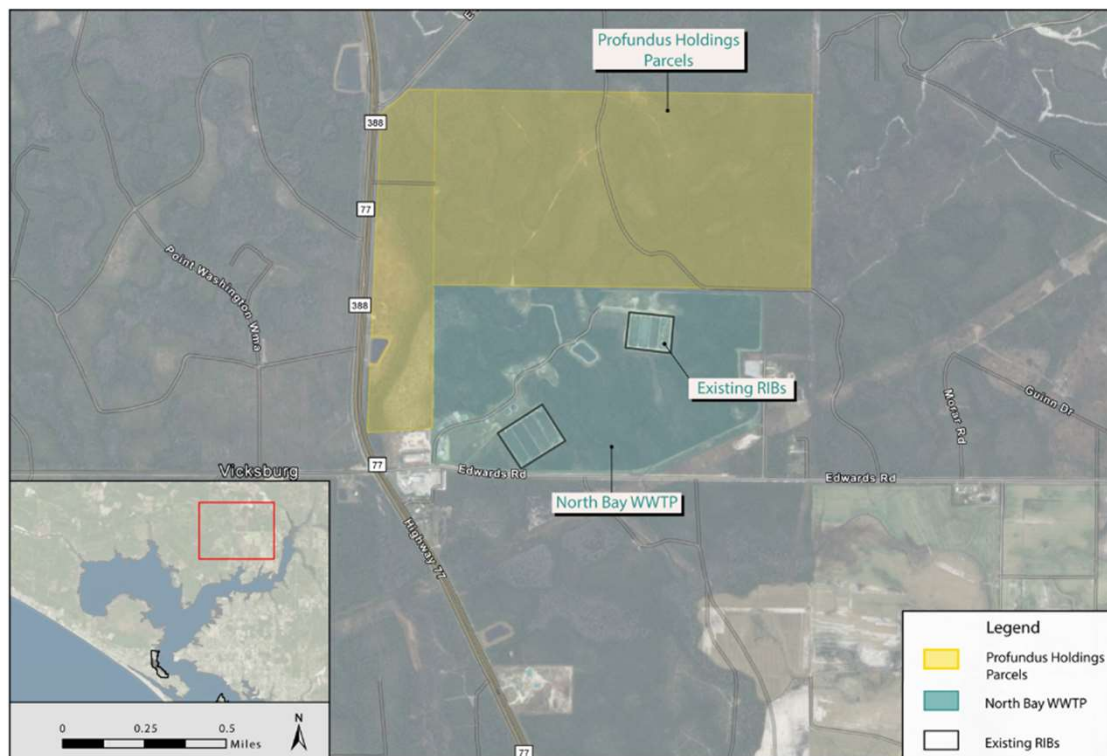


NSA Panama City and Tyndall AFB Priority Projects

NSA Panama City Priority Projects		Strategy Score
	Installation Access Improvements on Hwy 98	8.2
★	New North Water Treatment Plant	7.5
★	Redundant Water Supply Loop for the City of Panama City Beach	7.3
	NSA Panama City Shoreline Protection and Resilience	5.5
	Power Supply Reliability Improvements	5.3
★	Barefoot Palms	4.9
	St. Andrew Bay Navigation	2.5

Tyndall AFB Priority Projects		Strategy Score
	Upgrade Transmitter Road Water Treatment Plant	8.2
★	Tyndall AFB Coastal Resilience	6.3
	Tyndall Parkway Improvements	6.3
	SR-22 Widening	4.9
	Redundant Water Line to Tyndall AFB	4.4
	North Bay WWTP Upgrades	4.1
	Tree Canopy Restoration	4.1
	Lift Station Improvements	3.7
	Relocation of Panama City Millville WWTF	3.6
	Military Point AWT Facility Upgrades	3.0

NEW NORTH WATER TREATMENT PLANT



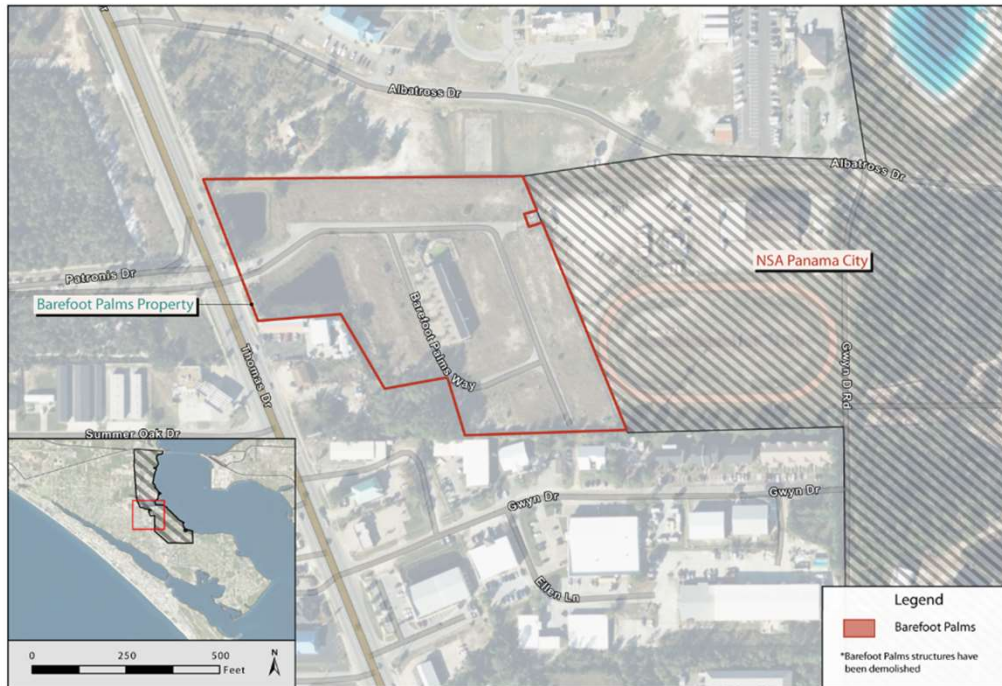
- Bay County committed \$500,000 and is seeking \$500,000 in federal funding from OLDCC to complete a site assessment and feasibility study for a new 25 MGD regional water treatment facility.
- The study will include hydraulic modeling, site analysis, and preliminary engineering to support future water supply needs and military readiness at Tyndall AFB and NSA Panama City.

REDUNDANT WATER SUPPLY LOOP FOR THE CITY OF PANAMA CITY BEACH

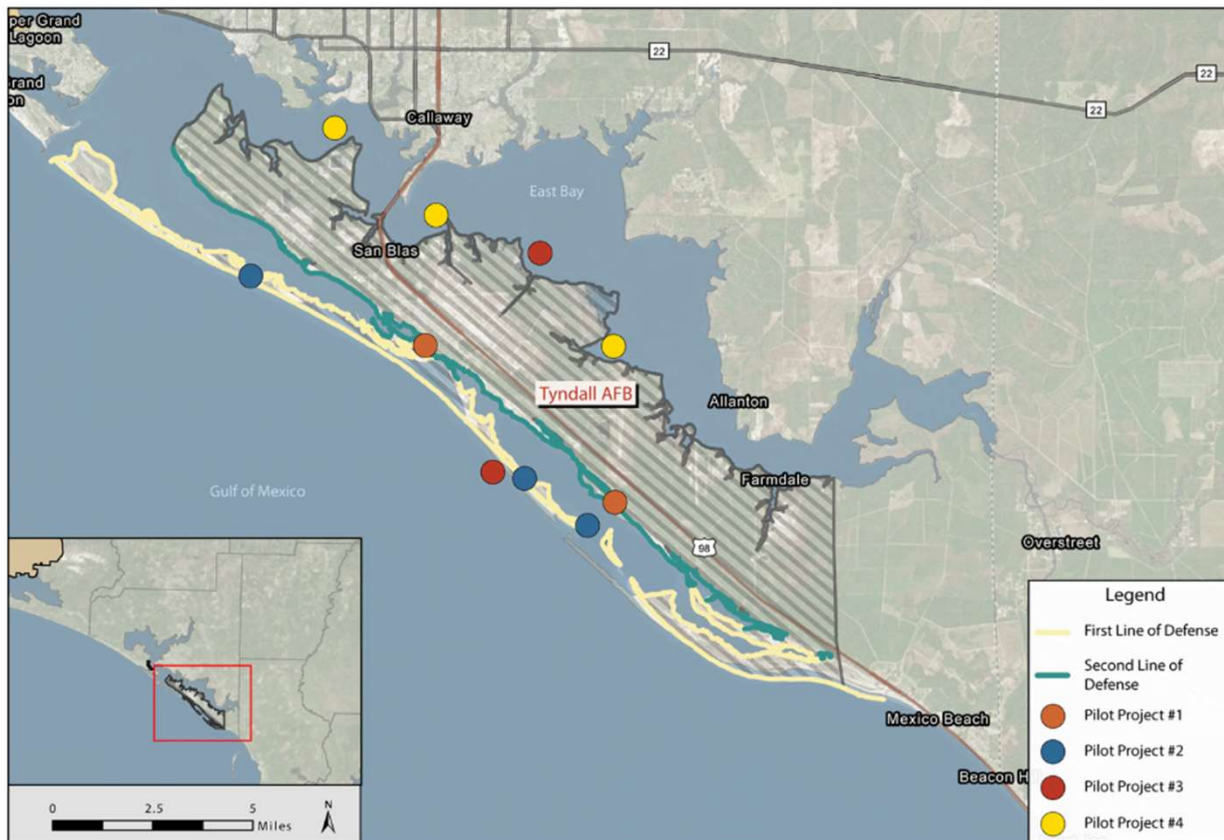


- The Panama City Beach City Council accepted a \$5 million Federal Grant from HUD to help fund part of Phase 1 of its Water Redundancy Project.
- The total estimated cost for this segment of the water main is \$9.7 million. The water line will measure between 30 and 36 inches in diameter, with phase one expected to take 18 to 24 months to complete.

BAREFOOT PALMS ENCROACHMENT



TYNDALL AFB COASTAL PROJECTS



- On May 1, the Tyndall Stakeholders Working Group discussed potential sites and a prioritization process for future Nature Based Solutions to protect the mission at Tyndall AFB.

NAS PENSACOLA & NAS WHITING FIELD PROJECT PRIORITIES



NAS Pensacola & NAS Whiting Field Priorities

	NAS Pensacola Priority Projects	Strategy Score
★	NAS Pensacola Shoreline Protection	7.7
	Tower Improvements	7.0
	ECUA Resilience	6.5
	Blue Angel Parkway Improvements	5.7
	Corry Station Flood Risk Reduction	5.5
★	Navy Boulevard Improvements	5.1
	Gulf Beach Highway	4.9
	Navy Point Community Revitalization	3.9
	Trout Point Preserve	3.4
	Alternative Water Supply Line	2.5

NAS Whiting Field Priority Projects	Strategy Score
Resilient Wastewater Treatment	7.2
NAS Whiting Field Resilient Energy Park	7.0
Wildfire Mitigation	6.5
Munson Highway Connector	5.6
Redundant Water Supply Line	5.4
Highway 90 Resilient Roadway	4.8
City of Milton Flood Mitigation	3.6
SR 87 Improvements	3.0

NAS PENSACOLA SHORELINE PROTECTION



- The Pensacola Bay Living Shoreline Project has officially entered the construction phase as of May 2025.
- Crews are commencing dredging operations with plans to use the excavated sand to renourish the southern shoreline of NAS Pensacola.



NAVY BOULEVARD IMPROVEMENTS



- Escambia County is teaming up with the Florida-Alabama TPO to create a plan to improve the South Navy Boulevard (SR 295) one-mile corridor, from Barrancas Avenue southward to the deck of the Sam A. Lovelace Bridge.
- The goal is to create a plan that improves mobility and safety for all modes of travel, enhances landscaping, and addresses lighting issues.

REGIONAL IGSAS



IGSAs are collaborative partnership agreements for services, material procurement, and mutual support that can enhance operational effectiveness.

- Eglin AFB
 - Energy Assessment (ECRC) – in progress
- Hurlburt Field
 - Wastewater Forcemain (City of Mary Esther) – in progress
- NAS Whiting Field
 - Operation and Maintenance Support
 - Santa Rosa Co; City of Evergreen; City of Milton – Approved
 - Several other cities – in progress
- NSA Panama City
 - Roadway Maintenance and Repair (Bay Co) – Approved
 - Utility Services (Bay Co) – in progress
- NAS Pensacola
 - Airfield maintenance (City of Pensacola) – in progress
 - General Services (Escambia Co) – in progress
- Navy Installations
 - Planning, Design, Environmental Services (Emerald Coast Regional Council) – in progress



Thank You



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Eric Christianson, Planner
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Additional Regional Resilience Meetings and Coordination

January – June 2025

Florida Defense Support Commission Meeting

Date: January 17, 2025

Time: 9:00 AM – 12:15 PM CST

Location: Milton, FL

Participated in FDSC meeting focused on Northwest Florida installations and the newly adopted Northwest Florida Military Installation Resilience Review.

National Coastal Resilience Fund Proposal Workshop

Date: January 29, 2025

Time: 8:00 AM – 4:00 PM CST

Location: Pensacola, FL

Hosted workshop in partnership with the Northwest Florida Sentinel Landscape for local governments and nonprofits developing proposals for funding from the National Coastal Resilience Fund of the Fish and Wildlife Foundation. During these sessions, each group was given the opportunity to present their project. An outside consultant with extensive experience with the program was there to provide feedback and guidance.

Tyndall Stakeholder Working Group Meeting

Date: February 5, 2025

Time: 10:00 AM – 11:30 AM CST

Location: Pensacola, FL

Represented the planning council at this meeting in which the Tyndall AFB staff, community stakeholders, and their consultants presented about the next steps in the Coastal Resilience Implementation Program protecting Tyndall AFB.

Tri County Partnership Working Group Meeting

Date: February 12, 2025

Time: 3:00 PM – 4:30 PM CST

Location: Niceville, FL

Represented the planning council at this meeting focused on partnerships among local governments and military installations in Santa Rosa, Okaloosa, and Walton Counties. Worked with the group to establish a local committee focused on implementing the projects identified in the Northwest Florida Military Installation Resilience Review including water supply protection, roadway resilience, and coastal protection projects.

New Bay County Water Treatment Plant Funding Meeting

Date: February 13, 2025

Time: 9:00 AM – 10:00 AM CST

Location: Panama City, FL

Invited OLDCC project representative for a discussion of funding for the development of a secondary water treatment plant for Bay County to eliminate a single point of failure for the freshwater source for Tyndall AFB and NSA Panama City and support future population growth.

City of Mary Esther and Hurlburt Field Combined Sewer Forcemain Funding Meeting

Date: February 13, 2025

Time: 1:00 PM – 3:30 PM CST

Location: Fort Walton Beach, FL

Invited OLDCC project representative for a discussion of funding to address the need for the City of Mary Esther and Hurlburt Field to decommission their respective outdated and vulnerable wastewater treatment plants by developing a new forcemain to send wastewater to existing state of the art facility owned and operated by Okaloosa County with industrial reuse capacity.

Hwy 98 Shoreline Stabilization Funding Meeting

Date: February 14, 2025

Time: 1:00 PM – 3:30 PM CST

Location: Fort Walton Beach, FL

Invited OLDCC project representative for a discussion of funding to support the ongoing work that Okaloosa County is engaged in to protect Hwy 98, a key corridor serving Eglin AFB, Hurlburt Field, and the surrounding communities. The county is working to develop natural shoreline protection to prevent erosion that threatens to undermine the roadway.

Tri County Partnership Advisory Board Meeting

Date: March 12, 2025

Time: 3:00 PM – 4:30 PM CST

Location: Niceville, FL

Continued to advance the newly developed work group and raised awareness of military importance of coastal resilience.

Resilience Project meeting with Col. Michelle Sterling

Date: April 7, 2025

Time: 9:00 AM – 10:00 AM CST

Location: Eglin AFB

Shared the results of the Northwest Florida Resilience Review and its importance for Eglin AFB with the new commander of the 96th Civil Engineer Group, Col. Michelle Sterling. We also explained the role of the Emerald Coast Area Resilience Collaborative.

Northwest Florida Military Community Planners Meeting

Date: April 29, 2025

Time: 10:00 AM – 1:00 PM CST

Location: Milton, FL

Participated in a meeting with representation from all Northwest Florida military installations and local governments. The group focused on upcoming funding opportunities especially the Defense Community Infrastructure Pilot (DCIP) Program. Participants discussed how EC-ARC and other partners could support city and county planners in identifying new project targets.

Community Partnership Program Executive Committee Meeting

Date: June 17, 2025

Time: 3:00 PM – 4:30 PM CST

Location: Fort Walton Beach, FL

Shared the results of the Northwest Florida Resilience Review and its importance for Eglin AFB and Hurlburt field with high level leadership of both installations with many community partners present.

Rural Regional Transportation Planning Committee

Date: May 21 2025

Time: 9:30 AM – 10:30 AM CST

Location: DeFuniak Springs, FL

Presented to committee the findings of regional DEP funded vulnerability assessments and promoted upcoming DEP funding opportunities.