



# RESTORE Direct Component Project Selection Update

Committee of the Whole

10/13/16

# Overview

- August 11th COW- Commissioners decided to select two projects per commissioner for further assessment.
- Staff has conducted Risk Assessments on the projects sent for further review by each commissioner
- Today's Agenda
  - Review the projects submitted to staff
  - Assess risks and benefits of each project
  - Board discussion/direction

# Projects Nominated to Date:

1. Carpenter Creek & Bayou Texar Economic & Environmental Revitalization
2. Project Universal Access
3. Perdido Key Gulf of Mexico Beach Access
4. Perdido Key Multi-Use Path
5. OLF8 Commerce Park Improvements
6. South Dogtrack Drainage- Coral Creek, Hampton Lake, Three Waters Green (aka, Mariner Village), Liberty Church



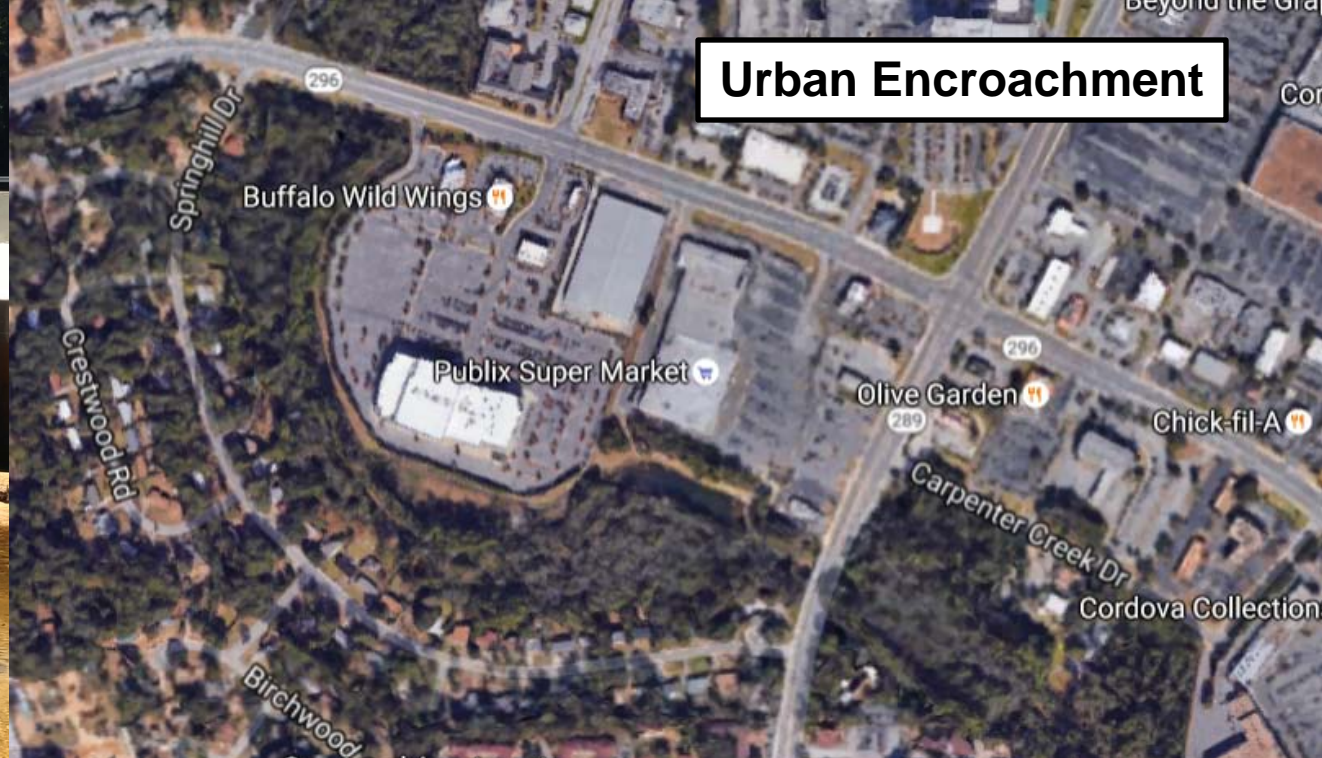
# Carpenter Creek and Bayou Texar Economic & Environmental Revitalization Plan

- Phase 1: Develops a Master Plan for Carpenter Creek and Bayou Texar
  - Community/stakeholder Input
  - Pre-design Water Quality/Habitat Monitoring
  - Watershed Assessments
  - Identify Community Goals
  - Identify Restoration Activities
  - Identify Stormwater Controls/Treatment Projects
  - Illustrate Project Components
- Future Phases: Master Plan Implementation, including:
  - Land/Easement Acquisition
  - Stream Restoration
  - Riparian Zone Restoration/Preservation
  - Establish Greenway/ Public Access

**Sedimentation**



**Urban Encroachment**



**Flooding**



**Nutrient & Bacteria  
Pollution**



Buffalo Bayou Master Plan, Thompson Design Group Inc./EcoPlan, 2002

- Key Facts:
  - Carpenter Creek & Bayou Texar Legacy Issues
    - Sedimentation
    - Nutrients
    - Impaired Waters: Fecal Coliform TMDL- Bacterial Pollution Control Plan
    - Habitat Loss
- Anticipated Return on Investment:
  - Restored/ Enhanced Floodplain/ Reduce Residential & Commercial Flooding
  - Reduce Water Flow Velocity
  - Improve Water Quality/ Increase Dissolved Oxygen/ Begin Addressing TMDL
  - Preserve Natural Habitats/ Enhance Riparian Buffers
  - Establish Greenway for Pedestrian/ Bicycles
  - Stormwater Runoff Treatment/ Reduction
  - Increase Recreational Access/ Use & Ecotourism

# Carpenter Creek and Bayou Texar Economic & Environmental Revitalization Plan

<b>Phase 1: Total Funding Request</b>	<b>\$1,090,000</b>
Project Administration & Management	\$120,000
Public Outreach	\$85,000
Stakeholder Involvement	\$65,000
Baseline Assessment/Data Gap Analysis	\$175,000
Supplemental Data Collection/Analysis	\$366,000
Draft & Final Master Plan w/ Project Prioritization	\$279,000

<b>Future Phases: Total Funding</b>	<b>\$4,885,000</b>
Phase 2: Early Demonstration Projects	\$2,705,000
Phase 3: Land/Easement Acquisition	\$2,180,000

<b>Total Project Cost (Over 20 Years)</b>	<b>\$5,975,000</b>
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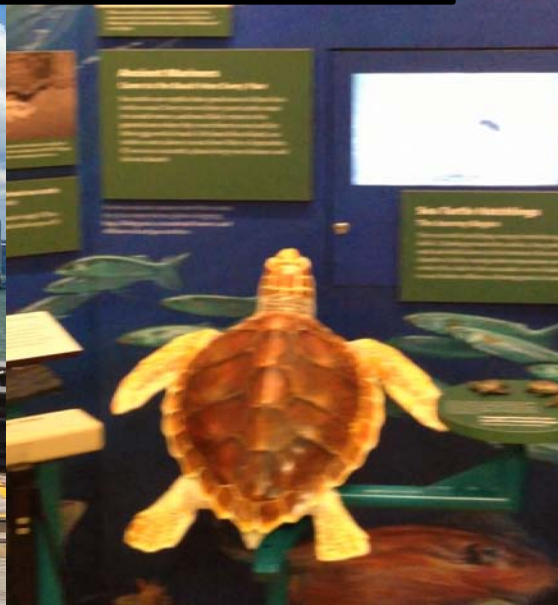
A banner image for 'Project Universal Access' featuring two side-by-side photographs. The left photo shows a wooden boardwalk or pier extending into a body of water under a clear sky. The right photo shows a person in a wheelchair on a blue paved path leading to a beach. The title 'Project Universal Access' is overlaid in white text with a blue outline across the center of the banner.

# Project Universal Access

- Phase 1: ADA Evaluation of Public Access Points on Pensacola Beach, Perdido Key, and Ferry Landings
  - Accessibility Evaluation of beach access points, trails, parking lots, sidewalks, and restrooms
  - Produces a Needs Assessment for persons with disabilities going beyond legal requirements
- Future Phases: Plan Implementation:
  - Strategic Design- Retrofits, Improvements, and Location Identification
  - Disabled Community Input
  - Construction
  - Monitoring



## New Projects to Accommodate Multi-Sensory Signage & Displays



## ADA Observational Platforms, Bathrooms & Tourism Opportunities



## ADA Public Access on Perdido Key & Pensacola Beach



## Wheelchair Access on Beaches





- **Key Facts:**

- Disabled persons do not have adequate access to recreational public access points
- Escambia County has 54,000 persons with disabilities
- Pensacola Beach currently undergoing some updates

- **Anticipated Return on Investment:**

- Construct/ Enhance ADA Trails/ Walkovers
- Provide ADA Connectivity; Construct ADA Parking
- Enhance Educational Signage (Multi-Sensory)
- Tourism/ Ecotourism Enhancements
- Improves Recreational Opportunities for Disabled Locals (54,000 persons) and Visitors
- Access to Recreational Fishing Locals
- Construct Walkovers on Environmentally Sensitive Lands/ Reducing Unsanctioned Trails

The banner image is split into two panels. The left panel shows a wooden boardwalk extending along a beach. The right panel shows a person in a wheelchair on a blue mat on a sandy beach, looking out at the ocean. The text 'Project Universal Access' is overlaid in the center in a white, bold, sans-serif font with a blue outline.

# Project Universal Access

<b>Phase 1: Total Funding Request</b>	<b>\$300,000</b>
ADA Evaluation	\$100,000
Strategic Plan	\$200,000

<b>Future Phases: Total Funding</b>	<b>\$3,500,000</b>
Phase 2: Construction	\$3,000,000
Phase 3: Monitoring	\$500,000

<b>Total Project Cost</b>	<b>\$3,800,000</b>
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# Perdido Key Gulf of Mexico Public Access

- Phase 1: Planning & Design
  - Restroom Design/Features
  - Dune Walkover/Pavilion Design
  - ADA Compatibility/Features
  - Parking Improvements
  - Educational Kiosk
  - Beach Mouse Habitat Improvement Planning
  - Near-shore Reef Design/Permitting
- Future Phases: Construction & Monitoring
  - Dune Walkover
  - Restroom Facilities
  - Pavilion
  - Parking Lot
  - Beach Mouse Habitat Restoration/Preservation
  - Educational Kiosk Installation
  - Near-shore Reef Deployment
  - Monitoring

**Public Access & Parking**



**Tourism Opportunities**



**ADA Access**



**Beach Mouse**



- Key Facts:
  - Limited public access
  - The Perdido Key Beach Mouse is listed as an Endangered Species and has limited habitat
- Anticipated Return on Investment:
  - Habitat Restoration & Conservation (Dune Habitat)
  - Habitat Creation (Snorkel Reef)
  - Enhance Natural System Resiliency
  - Connecting Trail/ Greenway
  - Provides ADA Access to Gulf of Mexico
  - Tourism Destination/ Activity
  - Fishing Opportunities through Enhanced Access
  - Enhances Tourism Industry & Ecotourism Opportunities



# Perdido Key Gulf of Mexico Public Access

<b>Phase 1: Total Funding Request</b>	<b>\$123,000</b>
Design/ Engineering/ Permitting	\$123,000

<b>Future Phases: Total Funding</b>	<b>\$1,525,000</b>
Parking Lot Improvements	\$300,000
Picnic Pavilions	\$180,000
Bathroom Facilities	\$500,000
Dune Walkover (ADA)	\$135,000
Environmental Kiosk	\$5,000
Beach Mouse Enhancements	\$300,000
Near-shore Reef	\$100,000
Monitoring Surveys	\$5,000

<b>Total Project Cost</b>	<b>\$1,648,000</b>
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## Perdido Key Multi-Use Path

- Phase 1: Design & Engineering
  - Design for a Multi-Use Path on the north side of Perdido Key Dr. from the Alabama state line to the Theo Baars Bridge for 6.2 miles
  - Designs collector sidewalks on the south side of Perdido Key Dr.
  - Designs three ADA dune walkovers at existing public access points
  - Plans & Designs any necessary habitat restoration work around the path and/or dune walkovers
  - Snorkel Reef Design/ Permit
- Phase 2: Construction
  - 6.2 miles of paved multi-use path
  - Collector sidewalks
  - Three ADA dune walkovers
  - Near-shore snorkel reef





**Separation of Walkway  
from Roadway**



**Fast Speed Limits**



**Pedestrian Road Crossings & ADA  
Beach Access**



- **Key Facts**

- No alternative transportation routes exist to connect Perdido Key
- There have been several pedestrian injuries and/or fatalities prior to crosswalk installation on Perdido Key Dr.
- Florida Department of Transportation (FDOT) has funded the Planning & Design for the east segment of the Multi-Use Path on North side
- FDOT is likely to fund the west segment of the Multi-Use Path

- **Anticipated Return on Investment:**

- Habitat Restoration
- Habitat Conservation
- Enhance Natural System Resiliency
- Adds Alternative Transportation- 6.2 Miles of Trail
- Connecting Trail/ Greenway
- Provides Access to Gulf of Mexico
- Tourism Destination/ Activity
- Fishing Opportunities through Enhanced Access
- Enhances Tourism Industry

A photograph of a paved multi-use path with a double yellow line down the center, stretching into the distance. The path is flanked by greenery and a clear blue sky. The text "Perdido Key Multi-Use Path" is overlaid in white with a blue outline.

## Perdido Key Multi-Use Path

<b>Phase 1: Total Funding Request</b>	<b>\$800,000</b>
Planning, Design, Engineering	\$800,000

<b>Future Phases: Total Funding</b>	<b>\$5,700,000</b>
Construction	\$5,600,000
Snorkel Reef	\$100,000

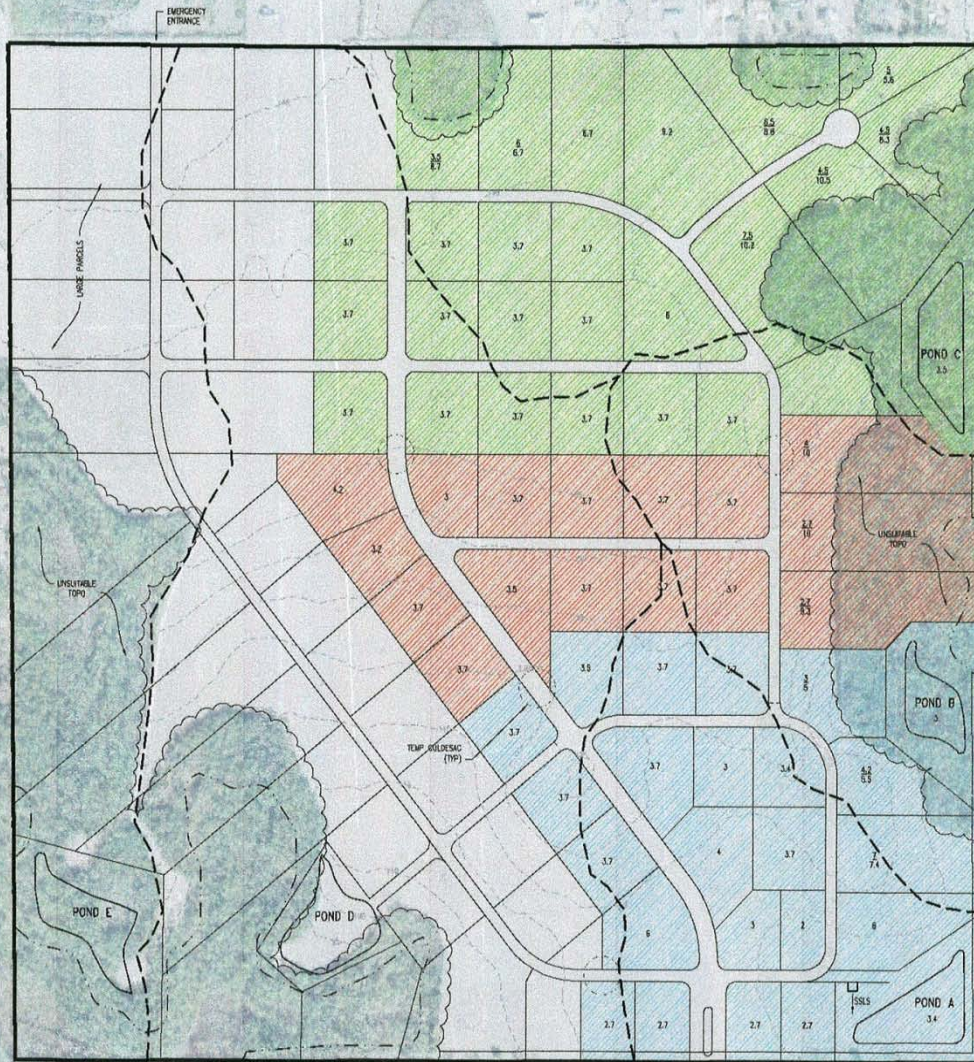
<b>Total Project Cost</b>	<b>\$6,500,000</b>
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# OLF8 Commerce Park Improvements

- Phase 1: Master Planning
  - Develop a plan identifying land use (i.e. type of business activity)
  - Park layout
  - Public input
  - Habitat conservation
  - Infrastructure requirements
  - Costs and timeline
- Design/ Permitting
  - Engineering specs
  - Environmental permitting requirements
  - Site plans for development
- Phase 2: Construction
  - Roadways
  - Utilities
  - Lighting
  - Drainage

# Need for Commerce Park



**Baskerville-Donovan, Inc. Conceptual Design, 2011**





- Key Facts:

- \$2 Million invested in property acquisition OLFX
- Additional Investments

- Anticipated Return on Investment:

- Job Creation (3,600 new jobs)
- Private Industry and Business Growth
- Military Industry and Training Growth
- LEED Certifications and Stormwater Management
- Encourage Tourism
- Wetland Preservation
- Walkable and Bikeable Community



# OLF8 Commerce Park Improvements

<b>Phase 1: Total Funding Request</b>	<b>\$1,270,000</b>
OLF-8 Master Plan	\$635,000
Design & Permitting	\$635,000

<b>Future Phases: Total Funding</b>	<b>\$17,767,790</b>
Phase 2: Construction	\$15,864,825
Contingency & Monitoring	\$1,902,965

<b>Total Project Cost</b>	<b>\$19,037,790</b>
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# South Dogtrack Drainage- Coral Creek, Hampton Lake, Three Waters Green, Liberty Church

- Phase 1: Planning & Design

- Conceptual Plan/Study
- Identify properties for acquisition/easements

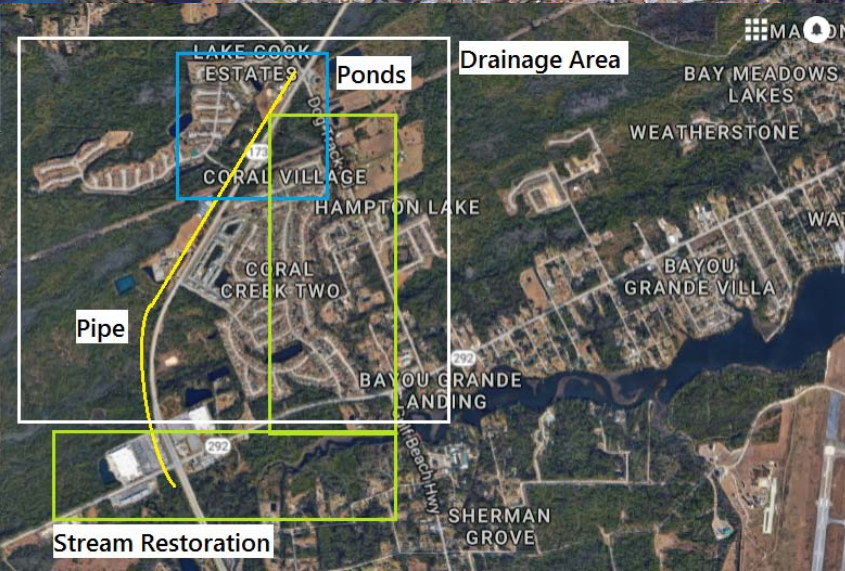
- Phase 2: Construction

- Install 7,000 feet of new 48" storm pipe along the west side of Blue Angel Parkway
- Easement/Land Acquisition
- Stormwater Ponds
- Coral Creek Stream Restoration



# Flooding Issues

# Water Quality Degradation





- Key Facts:

- Hydrological flow has been diverted by surrounding development
- Repetitive flooding of homes
- Encroachment around Coral Creek has increased water volume while reducing flow out of the creek

- Anticipated Return on Investment:

- Flood Protection (Over 300 homes)
- Floodplain Restoration
- Stream Restoration
- Water Quality Improvements
- Enhance Natural System Resiliency
- Restores Stormwater Flow/ Volume
- Improves Community Resiliency
- Provides Temporary Employment
- Reduces Repeated Loss



# South Dogtrack Drainage- Coral Creek, Hampton Lake, Three Waters Green, Liberty Church

<b>Phase 1: Total Funding Request</b>	<b>\$200,000</b>
Planning, Design, and Engineering	\$200,000

<b>Future Phases: Total Funding</b>	<b>\$7,900,000</b>
Drainage Pipe	\$1,000,000
Phase 2: Pond Construction	\$1,900,000
Phase 3: Stream Restoration	\$5,000,000

<b>Total Project Cost</b>	<b>\$8,100,000</b>
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# Risk Assessments

- Projects were reviewed by staff as submitted
- Reviews were completed on conceptual designs only
- 10-17 Staff Reviewers for each project

# Staff Reviewers

- Natural Resources Director
- Senior Natural Resources Manager
- Environmental Program Manager
- RESTORE Program Manager
  - RESTORE Coordinator
- Engineering Stormwater Manager
- Engineering Project Coordinator
  - Engineer
  - Engineer
  - Engineer Technician
- Development Services Director
- Development Services Division Manager
  - Senior Urban Planner
  - Senior Urban Planner
  - Senior Urban Planner

# Outside Reviewers

## Economic Comments:

- Escambia County Economic Development Representative
- City of Pensacola Economic Development Representative

## Permitting Comments:

- U.S. Army Corps of Engineers (2 Representatives)
- Florida Department of Environmental Protection (4 Representatives)

# Risk Analysis

**Project Title: 1. Carpenter Creek & Bayou Texar Economic & Environmental Revitalization**    **Project Number: 57**  
**Plan**

Likelihood		Consequences	
Almost Certain	Risk will almost certainly happen (>90%)	Catastrophic	Project will not be able to continue
Likely	Risk will likely happen (61-89%)	Major	Project may not be able to continue
Moderate	Risk may happen (40-60%)	Moderate	Project will be affected
Unlikely	Risk will not likely happen (11-39%)	Minor	Project will be slightly affected
Rare	Risk will rarely happen (<10%)	Insignificant	Project will hardly be affected

*Please leave a category blank if you do not feel you could accurately assess the risk.*

Risk	Likelihood (Circle One)	Consequences (Circle One)	Mitigation
Legal - Land Not Acquired	Almost Certain	Catastrophic	Ensure proper compliance and purchasing measures are taken.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Risk	Likelihood (Circle One)	Consequences (Circle One)	Mitigation
Legal - Land Easements Not Acquired	Almost Certain	Catastrophic	Ensure proper protocol is followed.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	

# Risk Analysis

Project Title: 1. Carpenter Creek & Bayou Texar Economic & Environmental Revitalization Plan Project Number: 57

Likelihood		Consequences	
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	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Legal - Land Easements Not Acquired	Almost Certain	Catastrophic	Ensure proper protocol is followed.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Insufficient Budgetary	Almost Certain	Catastrophic	Ensure project is properly phased so intermediate steps can be completed if lack of funding. Obtain multiple estimates.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Environmental Compliance (Riparian Restoration) Permit Denied: DEP	Almost Certain	Catastrophic	Be sure plan addresses all EC. Follow previously successful projects that are similar in scope. Hold pre-application meetings.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Environmental Compliance (Bayou Restoration) Permit Denied: Army Corps	Almost Certain	Catastrophic	Follow previously successful projects that are similar in scope. Hold pre-application meeting.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Environmental Compliance (Water Management) Permit Denied: NFWF/WMD	Almost Certain	Catastrophic	Follow previously successful projects that are similar in scope. Hold pre-application meeting.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Permit Denied (Water Management)- Escambia County & City of Pensacola	Almost Certain	Catastrophic	Ensure local government regulations are being followed and proper permits obtained.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Operational Challenges	Almost Certain	Catastrophic	Utilize experienced personnel
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Delayed Timeline	Almost Certain	Catastrophic	Ensure proper milestones and expected due dates are reasonable & flexible.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Not Reaching	Almost Certain	Catastrophic	Plan should address
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	

Desired Ecological Goals: # of Acres of Riparian Buffers Restored	Likelihood (Circle One)	Consequences (Circle One)	Mitigation
Desired Ecological Goals: Water Quality	Almost Certain	Catastrophic	reasonable amount of acreage that can be restored for 1. meaningful ecological benefit & 2. feasible access of land.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Desired Ecological Goals: Habitat Restoration	Almost Certain	Catastrophic	Plan should address reasonable amount of sediment & nutrient reduction for water quality benefits.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Desired Ecological Goals: Invasive Species	Almost Certain	Catastrophic	Plan should address reasonable amount of invasives that could be removed.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Desired Ecological Goals: Flooding Reduction	Almost Certain	Catastrophic	Plan should address estimated increased stormwater capacity based off of individual projects identified.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Desired Ecological Goals: Trails	Almost Certain	Catastrophic	Plan should address number, length, & location of additional trail systems for local business to increase attractiveness.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Inadvertent Harm to the Environment: Damaging Current Habitat	Almost Certain	Catastrophic	Ensure all projects are using best available science during planning process.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Maintenance of Restoration Projects	Almost Certain	Catastrophic	Monitor & make plans to fix areas if necessary
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Maintenance Challenges of Trails	Almost Certain	Catastrophic	Monitor & make plans to fix areas if necessary
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Public Acceptance Challenges	Almost Certain	Catastrophic	ensure public outreach and participation is included throughout the planning & design as well as local businesses.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
Other	Almost Certain	Catastrophic	Mitigation
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	

## Example Risks:

- Legal
- Permit
- Not Reaching Ecological Goal
- Not Reaching Economic Goals
- Maintenance
- Inadvertent Harm to the Environment
- Public Acceptance Challenges



# Risk Assessment Summary

RISK	Carptenter Creek/ Bayou Texar Revitalization	Project Universal Access	Perdido Key Gulf Access	Perdido Key Multi-Use Path	OLF8 Commerce Park	South Dogtrack Drainage
LEGAL	97.86	41.00	25.66	16.93	71.55	154.20
BUDGET	60.86	49.79	41.00	35.50	86.00	63.20
PERMIT	29.20	22.83	34.98	24.74	25.85	109.56
TIMELINE/ OPERATIONAL/ MAINTENANCE	52.39	38.93	37.00	31.16	61.33	82.11
ECOLOGICAL	40.09	36.65	51.47	29.40	37.77	56.34
ECONOMIC	56.46	34.79	28.41	35.04	63.69	75.50
PUBLIC	45.93	37.62	84.64	73.14	69.69	60.07
TREASURY	16.00	64.00	16.00	16.00	64.00	144.00
<b>TOTAL</b>	<b>398.79</b>	<b>325.61</b>	<b>319.16</b>	<b>261.91</b>	<b>479.88</b>	<b>744.98</b>

# Risk Explanations

RISK	Carptenter Creek/ Bayou Texar Revitalization	Project Universal Access	Perdido Key Gulf Access	Perdido Key Multi-Use Path	OLF8 Commerce Park	South Dogtrack Drainage
<b>TOTAL</b>	<b>398.79</b>	<b>325.61</b>	<b>319.16</b>	<b>261.91</b>	<b>479.88</b>	<b>744.98</b>
	<ul style="list-style-type: none"> <li>• More Activities</li> <li>• Project Relies on Land Acquisition &amp; Easements</li> <li>• Budget Variable</li> <li>• More Unknowns without Master Plan</li> </ul>	<ul style="list-style-type: none"> <li>• Budget Highly Variable</li> <li>• May Need Extra Time/ Effort for Treasury Review</li> </ul>	<ul style="list-style-type: none"> <li>• Beach Mouse Concerns</li> <li>• Public Opinion Concerns</li> </ul>	<ul style="list-style-type: none"> <li>• Public Opinion Concerns</li> </ul>	<ul style="list-style-type: none"> <li>• Legal Delays &amp; Concerns</li> <li>• Budget Variable</li> <li>• More Unknowns without Master Plan</li> </ul>	<ul style="list-style-type: none"> <li>• Concerns with Easement/ Land Acquisition</li> <li>• Permitting Concerns with applicant draft design</li> </ul>

# Benefits Review Sheet

Environmental Benefits							Notes
		Habitat Restoration	Habitat Conservation & Preservation	Water Quality Improvements	Natural Systems Resiliency		
Strength	5						
	4						
	3						
	2						
	1						
	0						

Economic Benefits							Notes
		Tourism Opportunities	Recreational Fishing & Local Seafood	Job Creation	Industry & Business Growth	Workforce Development	
Strength	5						
	4						
	3						
	2						
	1						
	0						

Infrastructure Benefits							Notes
		Transportation Network Improvement	Flooding Improvements	Community Resiliency			
Strength	5						
	4						
	3						
	2						
	1						
	0						

PROJECT BENEFITS	Carpenter Creek/ Bayou Texar Revitalization	Project Universal Access	Perdido Key Gulf Access	Perdido Key Multi-Use Path	OLF8 Commerce Park	South Dogtrack Drainage
Habitat Restoration	3.64	1.08	2.20	1.86	1.56	3.29
Habitat Preservation	4.21	1.69	2.93	2.23	2.38	3.07
Water Quality	4.14	0.62	0.87	0.69	1.88	4.00
Natural Resiliency	3.93	0.92	1.60	1.25	1.75	3.43
<b>ENVIRONMENT</b>	<b>15.93</b>	<b>4.31</b>	<b>7.60</b>	<b>6.03</b>	<b>7.56</b>	<b>13.79</b>
Tourism Opportunities	2.07	4.00	4.33	4.07	2.00	0.36
Rec Fishing & Seafood	1.93	2.46	3.80	1.79	0.63	1.07
Job Creation	1.07	1.62	1.73	1.36	4.56	0.93
Business/Industry Growth	1.50	2.23	2.07	1.93	4.56	0.43
Workforce Development	1.15	1.31	0.93	0.36	4.56	0.57
<b>ECONOMIC</b>	<b>7.73</b>	<b>11.62</b>	<b>12.87</b>	<b>9.50</b>	<b>16.31</b>	<b>3.36</b>
Transportation Improvements	1.93	2.85	2.73	4.07	2.25	1.43
Flooding Improvements	4.14	0.54	0.60	0.36	1.75	4.64
Community Resiliency	3.93	1.85	1.67	1.00	2.00	4.00
<b>INFRASTRUCTURE</b>	<b>10.00</b>	<b>5.23</b>	<b>5.00</b>	<b>5.43</b>	<b>6.00</b>	<b>10.07</b>

# Risks Vs. Benefits

	<b>Carpenter Creek/ Bayou Texar Revitalization</b>	<b>Project Universal Access</b>	<b>Perdido Key Gulf Access</b>	<b>Perdido Key Multi-Use Path</b>	<b>OLF8 Commerce Park</b>	<b>South Dogtrack Drainage</b>
<b>OVERALL RISK</b>	<b>398.79</b>	<b>325.61</b>	<b>319.16</b>	<b>261.91</b>	<b>479.88</b>	<b>744.98</b>
<b>OVERALL BENEFIT</b>	<b>33.66</b>	<b>21.16</b>	<b>25.47</b>	<b>20.96</b>	<b>29.87</b>	<b>27.22</b>
<b>Phase 1 Budget</b>	<b>\$1,090,000</b>	<b>\$300,000</b>	<b>\$123,000</b>	<b>\$800,000</b>	<b>\$1,270,000</b>	<b>\$200,000</b>

# Leveraging Opportunities

LEVERAGE	Carpenter Creek/ Bayou Texar Revitalization	Project Universal Access	Perdido Key Gulf Access	Perdido Key Multi-Use Path	OLF8 Commerce Park	South Dogtrack Drainage	Average Awarded Funding
NRDA	67-100%	67-100%	67-100%	32-66%	0-33%	32-66%	\$13,492,862.00
NFWF- Gulf Environmental Benefit	67-100%	0-33%	32-66%	0-33%	0-33%	32-66%	\$6,712,493.00
RESTORE Council	67-100%	0-33%	0-33%	0-33%	0-33%	32-66%	\$3,002,758.00
Triumph Gulf Coast	0-33%	0-33%	0-33%	0-33%	67-100%	0-33%	\$1.125 Billion for FL Panhandle; tbt
Tourism Grants	0-33%	67-100%	32-66%	32-66%	0-33%	0-33%	
Florida Forever Funds	32-66%	32-66%	32-66%	32-66%	0-33%	0-33%	Varies by Agency/Legislature
Coastal Partnership Initiative	32-66%	32-66%	32-66%	32-66%	0-33%	0-33%	\$45,000.00
319 Grant	67-100%	0-33%	0-33%	0-33%	0-33%	32-66%	\$343,827.00
FEMA Disaster Mitigation Grant	0-33%	0-33%	0-33%	0-33%	0-33%	32-66%	< \$15 Million
FEMA Flood Mitigation Assistance	0-33%	0-33%	0-33%	0-33%	0-33%	32-66%	Varies; \$199 Million Available
TMDL Water Quality Restoration	67-100%	0-33%	0-33%	0-33%	0-33%	32-66%	\$307,069.00
Defense Infrastructure	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	\$100,000-\$1 Million
FDOT	0-33%	0-33%	0-33%	67-100%	0-33%	0-33%	Varies

# Summary

Project	Phase 1	Future Phases	Total Project Cost
Carptenter Creek/ Bayou Texar Revitalization	\$1,090,000	\$4,885,000	\$5,975,000
Project Universal Access	\$300,000	\$3,500,000	\$3,800,000
Perdido Key Gulf Access	\$123,000	\$1,525,000	\$1,648,000
Perdido Key Multi-Use Path	\$800,000	\$5,700,000	\$6,500,000
OLF8 Commerce Park	\$1,270,000	\$17,767,790	\$19,037,790
South Dogtrack Drainage	\$200,000	\$7,900,000	\$8,100,000
<b>Total</b>	<b>\$3,783,000</b>	<b>\$41,277,790</b>	<b>\$45,060,790</b>
Direct Component (Pot 1) Funds	\$12,022,399 (Current Pot 1 Funds Available)	\$58,523,295 (Future Pot 1 Funds)	\$70,961,544 (Total Pot 1 Funds)

# Next Steps

- Additional Analysis
- Selection of Project(s)
- Develop Scope of Work for Design
- Drafting the Multi-Year Implementation Plan to include selected projects





# RESTORE Direct Component Project Selection Update

Committee of the Whole

02/09/17

# Overview

- August 11th COW- Commissioners decided to select two projects per commissioner for further assessment.
- October 13<sup>th</sup> COW- Staff presented Risk Assessments on 6 projects
- Staff has conducted Risk Assessments on remaining 4 projects
- Today's Agenda
  - Review the projects submitted to staff
  - Assess risks and benefits of each project
  - Board discussion/direction
  - Project Selection

# Projects Nominated

## Already Discussed:

- Carpenter Creek & Bayou Texar Economic & Environmental Revitalization
- Project Universal Access
- Perdido Key Gulf of Mexico Beach Access
- Perdido Key Multi-Use Path
- OLF8 Commerce Park Improvements
- South Dogtrack Drainage- Coral Creek, Hampton Lake, Three Waters Green, Liberty Church

## New to Discuss:

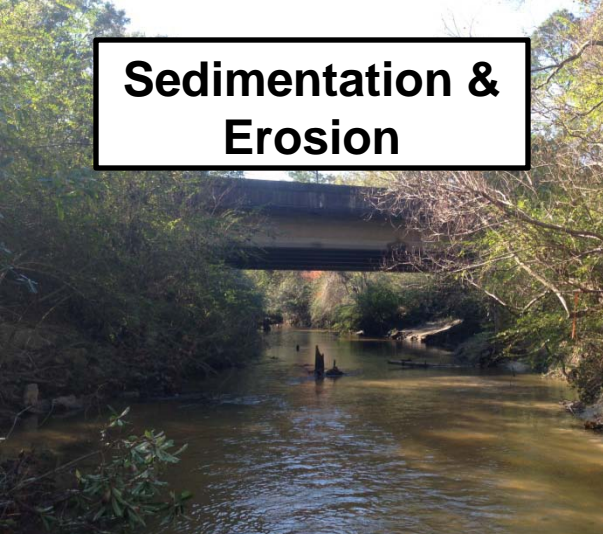
- Eleven Mile Creek Restoration
- 11 – Mile Creek Basin
- Hollice T. Williams Park – Stormwater Management/Recreational Facilities
- SOAR with RESTORE

The slide features a dark blue background with a decorative pattern of light blue circles along the top edge. A central photograph shows a stream flowing through a wooded area with trees and foliage. The title "Eleven Mile Creek Stream Restoration" is overlaid on the image in a white, bold, sans-serif font.

# Eleven Mile Creek Stream Restoration

- Phase 1: Planning & Design for Stream Restoration & Floodplain Expansion
  - Community/stakeholder Input
  - Pre-design Water Quality/Habitat Monitoring
  - Watershed Assessments
  - Easement Determination & Land Acquisition (27 HMGP Properties)
  - Wetland Delineation & Permitting
  - Wetland & Stream Restoration Design
- Future Phases: Implementation & Construction:
  - 3,500 linear ft. Stream Restoration
  - 40 acres Floodplain Expansion
  - Protect 160 Homes

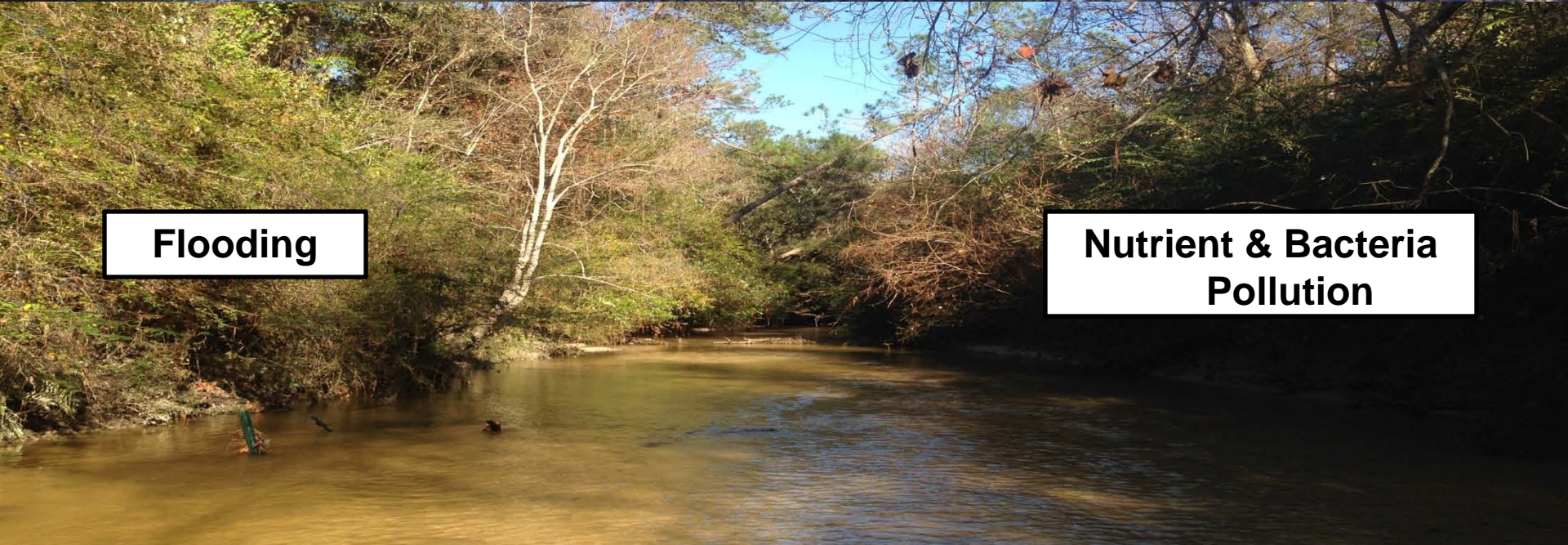
**Sedimentation &  
Erosion**



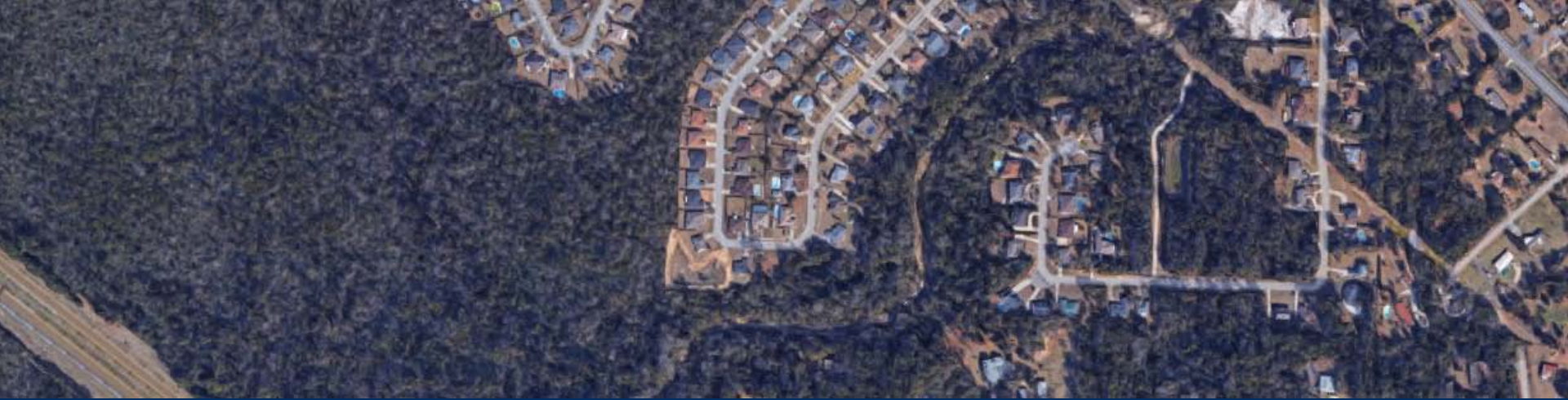
**Urban Encroachment**



**Flooding**



**Nutrient & Bacteria  
Pollution**



- Key Facts:
  - Eleven Mile Creek Impairments
    - Sedimentation
    - Nutrients
    - Impaired Waters: Fecal Coliform TMDL- Bacterial Pollution Control Plan
    - Habitat Loss
    - Low Dissolved Oxygen
- Anticipated Return on Investment:
  - 3,500 linear ft. Stream Restoration
  - 40 acres Floodplain Expansion
  - Protect 160 Homes from Flooding
  - Riparian Zone Restoration/Preservation
  - Increase Community Resilience
  - Expanding Wildlife Corridor
  - Improve Water Quality/ Increase Dissolved Oxygen/ Begin Addressing TMDL
  - Stormwater Runoff Treatment/ Reduction
  - Supports and Creates Jobs



# Eleven Mile Creek Stream Restoration

<b>Phase 1: Total Funding Request</b>	<b>\$1,110,776</b>
Design/ Engineering/ Permitting	\$1,110,776

<b>Future Phases: Total Funding</b>	<b>\$11,819,133</b>
Phase 2: Bristol Park	\$4,328,887
Phase 3: Ashbury Park & Stream Restoration	\$7,400,246
Phase 4: Monitoring	\$90,000

<b>Total Project Cost</b>	<b>\$12,929,909</b>
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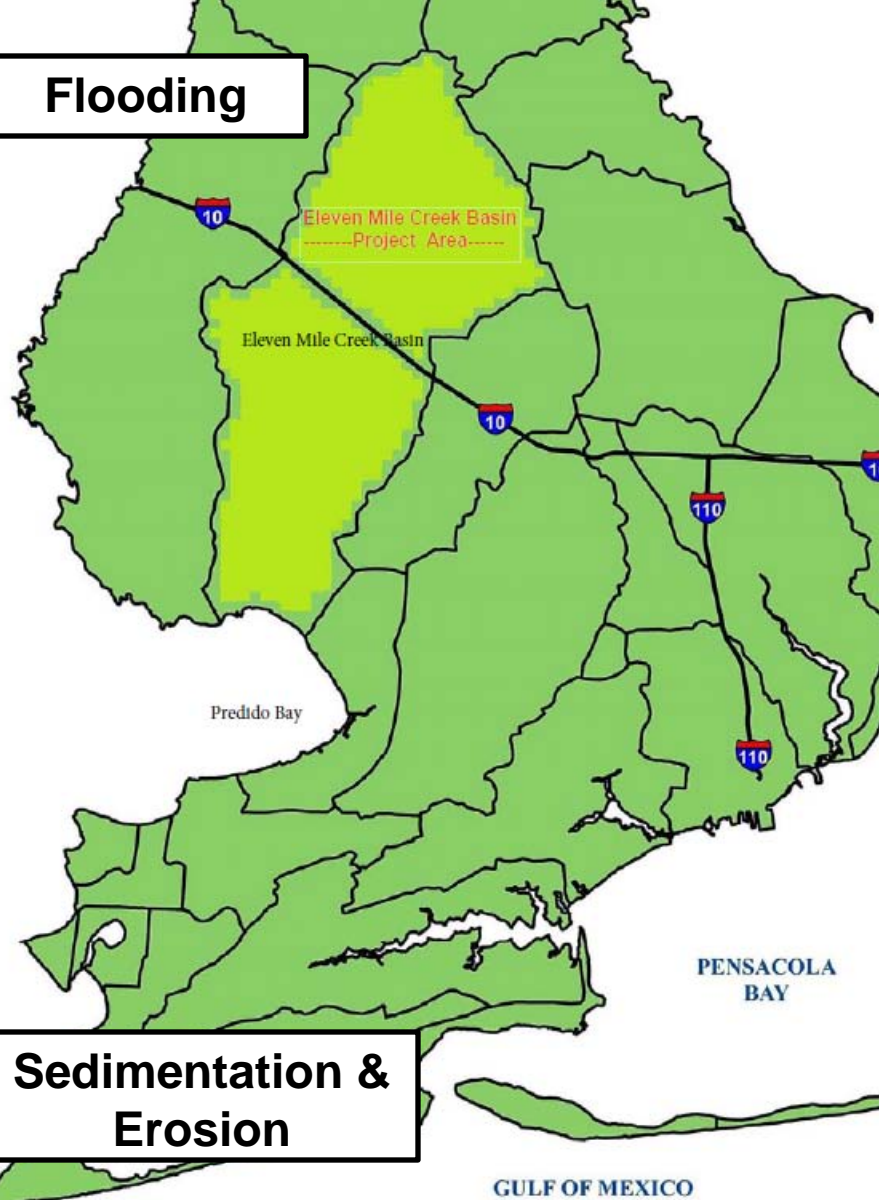


## 11 – Mile Creek Basin

- Phase 1: Planning & Design for Stormwater Improvements
  - Pond Creation & Location Planning
  - Watershed Assessments
  - Easement Determination & Land Acquisition
  - Wetland Delineation & Permitting
  - Pond & Floodplain Restoration Design
- Future Phases: Implementation & Construction:
  - Construction of Ponds and Stormwater Treatment Sites



## Flooding



## Sedimentation & Erosion

## Urban Encroachment



## Nutrient & Bacteria Pollution





- Eleven Mile Creek Impairments
  - Sedimentation
  - Nutrients
  - Impaired Waters: Fecal Coliform TMDL- Bacterial Pollution Control Plan
  - Habitat Loss
  - Low Dissolved Oxygen
- Flood Protection for 512 acres Directly
- Protects 31,000 acres Downstream of Flooding and Untreated Water
- Protects Homes
- Increase Community Resilience
- Creates 11 Stormwater Treatment Ponds
- Improve Water Quality/ Increase Dissolved Oxygen/ Begin Addressing TMDL
- Stormwater Runoff Treatment/ Reduction
- Supports & Creates Jobs

# 11 – Mile Creek Basin

<b>Phase 1: Total Funding Request</b>	<b>\$224,000</b>
Design/ Engineering/ Permitting for Green Hills Pond (Pond 1)	\$140,000
Site Analysis for Remaining 10 Ponds	\$84,000

<b>Future Phases: Total Funding</b>	<b>\$3,800,000</b>
Phase 2: Construction of Green Hills Pond	\$3,800,000

<b>Total Project Cost</b>	<b>\$4,024,000</b>
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<b>10 Year - Future Phases: Total Funding</b>	<b>\$43,200,000</b>
Design/ Engineering/ Permitting for Remaining Ponds	\$1,500,000
Construction for Remaining Ponds	\$41,700,000



# Hollice T. Williams Stormwater Park

- Phase 1: Planning & Design & Partial Construction
  - Design/ Engineering/ Permitting
  - Partial Construction (Dry Ponds, Walking Path, Lighting)
- Future Phases: Implementation & Construction:
  - Treat 1.3 miles of Stormwater
  - Multi-Use Recreational Park
  - Wet Detention Pond
  - Landscaping
  - Benches
  - Gathering Areas
  - Other Amenities

An aerial photograph of a city grid. A central waterway, possibly a canal or river, runs vertically through the middle of the image. The city is densely packed with buildings and trees. Four white callout boxes with black borders are overlaid on the image, each containing text. The boxes are located in the top-left, top-right, bottom-left, and bottom-right quadrants. The text in the boxes is: 'Flooding' (top-left), 'Need for Recreational Space' (top-right), 'Untreated Stormwater' (bottom-left), and 'Nutrient Loading' (bottom-right).

**Flooding**

**Need for  
Recreational  
Space**

**Untreated  
Stormwater**

**Nutrient Loading**



- Key Facts:
  - Under I-110 Corridor
  - Design & Amenities Amendable
- Anticipated Return on Investment:
  - Stormwater Runoff Treatment/ Reduction (1.3 miles)
  - Reduce Flooding of Surrounding Historical Neighborhoods
  - Increase Community Resilience
  - Reduce Pollutant Loading on Surrounding Water Bodies
  - Water Quality Improvements
  - Increase Tourism Activities
  - Provides Recreational Space



# Hollice T. Williams Stormwater Park

<b>Phase 1: Total Funding Request</b>	<b>\$1,331,100</b>
Design/ Engineering/ Permitting	\$346,100
Partial Construction (Dry Ponds, Walking Path, Lighting)	\$985,000

<b>Future Phases: Total Funding</b>	<b>\$2,442,900</b>
Phase 2: Construction of Wet Pond & Amenities	\$2,402,900
Phase 3: Monitoring	\$40,000

<b>Total Project Cost</b>	<b>\$3,774,000</b>
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# SOAR With RESTORE

- Phase 1: Program Establishment and Implementation
  - Environmental Training
  - Reentry
  - Cybersecurity
  - Heritage Tourism
  - Monitoring
  - Media
- Future Phases: Program Implementation cont...
  - Environmental Worker Training
  - Reentry Financial & Social Skills Training
  - Cybersecurity Training
  - Heritage Tourism Markers Constructed



*Sustainability Oversight Advisory Round Table*  
**BOARD OF GOVERNORS**

Hixardt  
For Profit Partner  
Provide computer  
technology to all sites  
Cyber Security Training

McCray & Associates  
Private/Public  
Partnership

Unity In The Family  
Not For Profit Partner  
Providing environmental  
training

New World Believers  
Ministries  
Environmental Trainings /  
Jobs / Prison / Jail Reentry

Warrington  
Heritage Tourism & Youth  
Development  
Environmental Training / Jobs  
Cyber Security

Tan-Yard  
Heritage Tourism &  
Youth Development  
Youth Environmental  
Justice Training  
Environmental Trainings  
/ Jobs

Belmont & Devilliers  
Heritage Tourism & Youth  
Development  
Environmental Training /  
Jobs

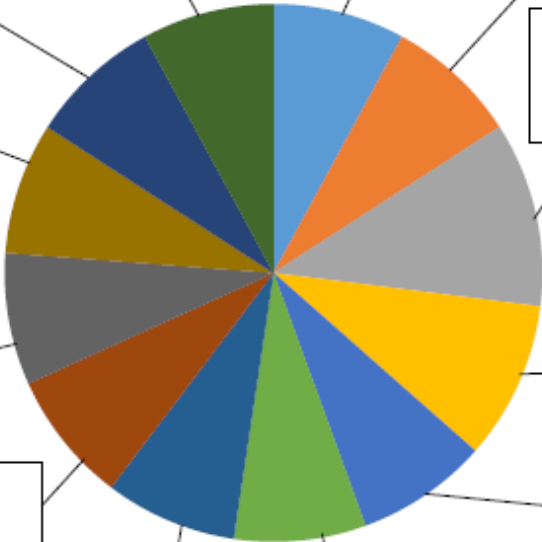
Polimbatree Griots /  
Community Arts Collective  
Heritage Tourism & Youth  
Development

Englewood  
Heritage Tourism & Youth  
Development  
Environmental Training / Jobs  
Cyber Security Training

Wedgewood  
Heritage Tourism & Youth  
Development  
Environmental Training / Jobs  
Land-fill Clean-up

Cantonment  
Heritage Tourism &  
Youth Development  
Environmental Training /  
Jobs

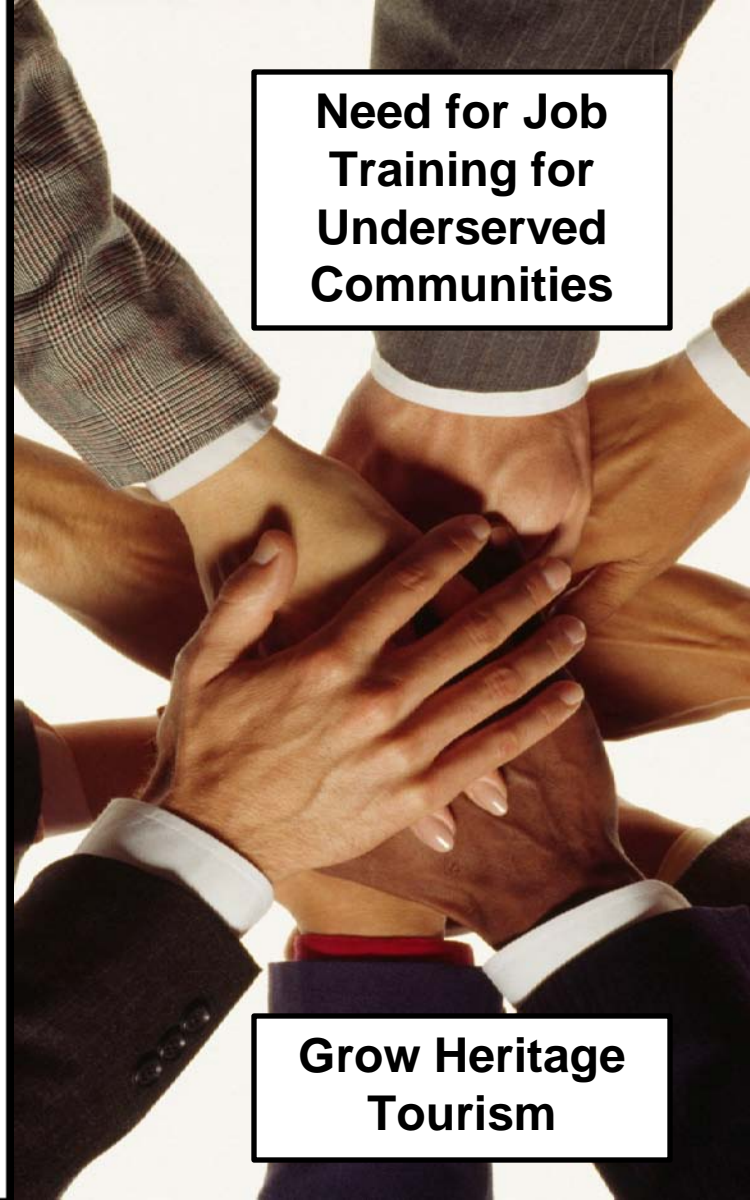
Century  
Heritage Tourism & Youth  
Development  
Environmental Training /  
Jobs

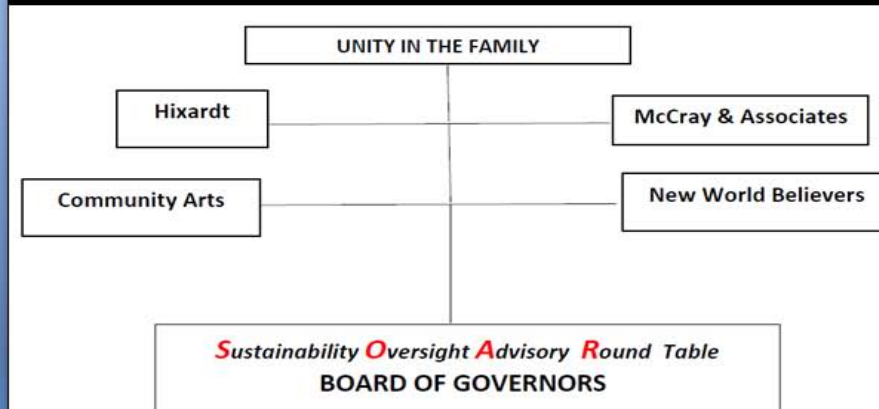


**“SOAR WITH RESTORE”**

**Need for Job  
Training for  
Underserved  
Communities**

**Grow Heritage  
Tourism**





- Key Facts:
  - Involves Multiple Non-Profit & Private Organizations
  - Supports & Enhances Currents Programs
- Anticipated Return on Investment:
  - Workforce Development
    - 25/yr Environmental Worker Training
    - 25/yr At-Risk Reentry Participants Trained in Finance & Social Skills
    - 25/yr Educated in Cybersecurity
  - Expand Heritage Tourism
  - Increases Organized Efforts to Expand and Enhance Program

# SOAR With RESTORE

<b>Phase 1: Total Funding Request</b>	<b>\$750,000</b>
Phase 1: Year 1 Program Implementation	\$750,000

<b>Future Phases: Total Funding</b>	<b>\$2,020,000</b>
Phase 2: Year 2 Program	\$505,000
Phase 3: Year 3 Program	\$505,000
Phase 4: Year 4 Program	\$505,000
Phase 5: Year 5 Program	\$505,000

<b>Total Project Cost</b>	<b>\$2,770,000</b>
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# Risk Assessments

- Projects were reviewed by staff as submitted
- Reviews were completed on conceptual designs only
- 10 Staff Reviewers for each project
  - Natural Resources Department
  - Engineering Department
  - Development Services Department
  - City of Pensacola Economic Representative

# Risk Analysis

**Project Title: 1. Carpenter Creek & Bayou Texar Economic & Environmental Revitalization**    **Project Number: 57**  
**Plan**

Likelihood		Consequences	
Almost Certain	Risk will almost certainly happen (>90%)	Catastrophic	Project will not be able to continue
Likely	Risk will likely happen (61-89%)	Major	Project may not be able to continue
Moderate	Risk may happen (40-60%)	Moderate	Project will be affected
Unlikely	Risk will not likely happen (11-39%)	Minor	Project will be slightly affected
Rare	Risk will rarely happen (<10%)	Insignificant	Project will hardly be affected

*Please leave a category blank if you do not feel you could accurately assess the risk.*

Risk	Likelihood (Circle One)	Consequences (Circle One)	Mitigation
Legal - Land Not Acquired	Almost Certain	Catastrophic	Ensure proper compliance and purchasing measures are taken.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Risk	Likelihood (Circle One)	Consequences (Circle One)	Mitigation
Legal - Land Easements Not Acquired	Almost Certain	Catastrophic	Ensure proper protocol is followed.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	

# Risk Analysis

## Example Risks:

- Legal
- Permit
- Not Reaching Ecological Goal
- Not Reaching Economic Goals
- Maintenance
- Inadvertent Harm to the Environment
- Public Acceptance Challenges

Project Title: 1. Carpenter Creek & Bayou Texar Economic & Environmental Revitalization Plan Project Number: 57

Likelihood		Consequences	
Almost Certain	Risk will almost certainly happen (>90%)	Catastrophic	Project will not be able to continue
Likely	Risk will likely happen (61-89%)	Major	Project may not be able to continue
Moderate	Risk may happen (40-60%)	Moderate	Project will be affected
Unlikely	Risk will not likely happen (11-39%)	Minor	Project will be slightly affected
Rare	Risk will rarely happen (<10%)	Insignificant	Project will hardly be affected

Please leave a category blank if you do not feel you could accurately assess the risk.

Risk	Likelihood (Circle One)	Consequences (Circle One)	Mitigation
Legal - Land Not Acquired	Almost Certain	Catastrophic	Ensure proper compliance and purchasing measures are taken.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Legal - Land Easements Not Acquired	Almost Certain	Catastrophic	Ensure proper protocol is followed.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Insufficient Budgetary	Almost Certain	Catastrophic	Ensure project is properly phased so intermediate steps can be completed if lack of funding. Obtain multiple estimates.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Environmental Compliance (Riparian Restoration) Permit Denied: DEP	Almost Certain	Catastrophic	Be sure plan addresses all EC. Follow previously successful projects that are similar in scope. Hold pre-application meetings.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Environmental Compliance (Bayou Restoration) Permit Denied: Army Corps	Almost Certain	Catastrophic	Follow previously successful projects that are similar in scope. Hold pre-application meeting.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Environmental Compliance (Water Management) Permit Denied: NFWF/MD	Almost Certain	Catastrophic	Follow previously successful projects that are similar in scope. Hold pre-application meeting.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Permit Denied (Water Management)- Escambia County & City of Pensacola	Almost Certain	Catastrophic	Ensure local government regulations are being followed and proper permits obtained.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Operational Challenges	Almost Certain	Catastrophic	Utilize experienced personnel
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Delayed Timeline	Almost Certain	Catastrophic	Ensure proper milestones and expected due dates are reasonable & flexible.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Not Reaching	Almost Certain	Catastrophic	Plan should address

Desired Ecological Goals: # of Acres of Riparian Buffers Restored	Likelihood (Circle One)	Consequences (Circle One)	Mitigation
Desired Ecological Goals: Water Quality	Almost Certain	Catastrophic	reasonable amount of acreage that can be restored for 1. meaningful ecological benefit & 2. feasible access of land.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Desired Ecological Goals: Habitat Restoration	Almost Certain	Catastrophic	Plan should address reasonable amount of sediment & nutrient reduction for water quality benefits.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Desired Ecological Goals: Invasive Species	Almost Certain	Catastrophic	Plan should address reasonable amount of invasives that could be removed.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Desired Ecological Goals: Flooding Reduction	Almost Certain	Catastrophic	Plan should address estimated increased stormwater capacity based off of individual projects identified.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Desired Ecological Goals: Trails	Almost Certain	Catastrophic	Plan should address number, length, & location of additional trail systems for local business to increase attractiveness.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Inadvertent Harm to the Environment: Damaging Current Habitat	Almost Certain	Catastrophic	Ensure all projects are using best available science during planning process.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Maintenance of Restoration Projects	Almost Certain	Catastrophic	Monitor & make plans to fix areas if necessary
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Maintenance Challenges of Trails	Almost Certain	Catastrophic	Monitor & make plans to fix areas if necessary
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Public Acceptance Challenges	Almost Certain	Catastrophic	ensure public outreach and participation is included throughout the planning & design as well as local businesses.
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	
Other	Almost Certain	Catastrophic	Mitigation
	Likely	Major	
	Moderate	Moderate	
	Unlikely	Minor	
	Rare	Insignificant	

# Risk Assessment Summary

RISK	Eleven Mile Creek Stream Restoration	11 – Mile Creek Basin	Hollice T. Williams Stormwater Park	SOAR with RESTORE
LEGAL	48.22	33.70	18.20	190.60
BUDGET	42.78	36.00	30.00	121.90
PERMIT	21.17	24.58	21.50	NA
TIMELINE/ OPERATIONAL/ MAINTENANCE	25.19	16.96	36.73	68.03
ECOLOGICAL	28.78	20.31	39.97	NA
ECONOMIC	32.78	29.28	31.25	50.56
PUBLIC	58.56	24.11	28.00	19.90
TREASURY	31.00	21.00	24.25	160.75
<b>TOTAL</b>	<b>288.48</b>	<b>205.94</b>	<b>229.90</b>	<b>611.74</b>

# Risk Explanations

RISK	Eleven Mile Creek Stream Restoration	11 – Mile Creek Basin	Hollice T. Williams Stormwater Park	SOAR With RESTORE
<b>TOTAL</b>	<b>288.48</b>	<b>205.94</b>	<b>229.90</b>	<b>611.74</b>
	<ul style="list-style-type: none"> <li>• Project Relies on Land Acquisition &amp; Easements through HGMP Grant</li> <li>• Requires support from residents</li> </ul>	<ul style="list-style-type: none"> <li>• Large Budget</li> </ul>	<ul style="list-style-type: none"> <li>• Additional Maintenance obligations for the City</li> </ul>	<ul style="list-style-type: none"> <li>• Legal Partnership Agreement</li> <li>• Budgetary Tracking</li> <li>• Operational Challenges</li> </ul>



# Benefits Review Sheet

Environmental Benefits							Notes
		Habitat Restoration	Habitat Conservation & Preservation	Water Quality Improvements	Natural Systems Resiliency		
Strength	5						
	4						
	3						
	2						
	1						
	0						

Economic Benefits							Notes
		Tourism Opportunities	Recreational Fishing & Local Seafood	Job Creation	Industry & Business Growth	Workforce Development	
Strength	5						
	4						
	3						
	2						
	1						
	0						

Infrastructure Benefits							Notes
		Transportation Network Improvement	Flooding Improvements	Community Resiliency			
Strength	5						
	4						
	3						
	2						
	1						
	0						

PROJECT BENEFITS	Eleven Mile Creek Stream Restoration	11 – Mile Creek Basin	Hollice T. Williams Stormwater Park	SOAR With RESTORE
Habitat Restoration	4.78	3.33	2.60	1.00
Habitat Preservation	4.78	3.89	2.90	0.50
Water Quality	5.00	5.00	4.40	0.40
Natural Resiliency	5.00	5.00	4.10	1.20
<b>ENVIRONMENT</b>	<b>19.56</b>	<b>17.22</b>	<b>14.00</b>	<b>3.10</b>
Tourism Opportunities	2.33	1.67	3.70	2.90
Rec Fishing & Seafood	3.33	2.78	2.10	0.50
Job Creation	2.56	2.22	2.70	4.60
Business/Industry Growth	1.44	1.56	2.50	3.40
Workforce Development	2.11	2.11	2.60	4.60
<b>ECONOMIC</b>	<b>11.78</b>	<b>10.33</b>	<b>13.60</b>	<b>16.00</b>
Transportation Improvements	3.00	3.44	3.22	0.90
Flooding Improvements	5.00	4.89	4.44	0.50
Community Resiliency	5.00	4.67	4.56	2.20
<b>INFRASTRUCTURE</b>	<b>13.00</b>	<b>13.00</b>	<b>12.22</b>	<b>3.60</b>

# Risks Vs. Benefits

	OVERALL RISK	OVERALL BENEFIT	RAC Rank	Phase 1 Budget
<b>Carpenter Creek/ Bayou Texar Revitalization</b>	<b>398.79</b>	<b>33.66</b>	<b>2</b>	<b>\$1,090,000</b>
<b>Project Universal Access</b>	<b>325.61</b>	<b>21.16</b>	<b>6</b>	<b>\$300,000</b>
<b>Perdido Key Gulf Access</b>	<b>319.16</b>	<b>25.47</b>	<b>4</b>	<b>\$123,000</b>
<b>Perdido Key Multi-Use Path</b>	<b>261.91</b>	<b>20.96</b>	<b>46</b>	<b>\$800,000</b>
<b>OLF8 Commerce Park</b>	<b>479.88</b>	<b>29.87</b>	<b>11</b>	<b>\$1,270,000</b>
<b>South Dogtrack Drainage</b>	<b>744.98</b>	<b>27.22</b>	<b>28</b>	<b>\$200,000</b>
<b>Eleven Mile Creek Stream Restoration</b>	<b>288.48</b>	<b>44.34</b>	<b>1</b>	<b>\$1,110,776</b>
<b>11 – Mile Creek Basin</b>	<b>205.94</b>	<b>40.55</b>	<b>8</b>	<b>\$224,000</b>
<b>Hollice T. Williams Stormwater Park</b>	<b>229.90</b>	<b>39.82</b>	<b>9</b>	<b>\$1,331,100</b>
<b>SOAR With RETORE</b>	<b>611.74</b>	<b>22.70</b>	<b>32</b>	<b>\$750,000</b>

# Leveraging Opportunities

LEVERAGE	Eleven Mile Creek Stream Restoration	11 – Mile Creek Basin	Hollice T. Williams Park	SOAR With RESTORE	Average Awarded Funding
NRDA	67-100%	32-66%	67-100%	0-33%	\$13,492,862.00
NFWF- Gulf Environmental Benefit	67-100%	0-33%	0-33%	0-33%	\$6,712,493.00
RESTORE Council	32-66%	0-33%	32-66%	32-66%	\$3,002,758.00
Triumph Gulf Coast	0-33%	0-33%	32-66%	32-66%	\$1.125 Billion for FL Panhandle; tbt
Tourism Grants	0-33%	0-33%	0-33%	0-33%	
Florida Forever Funds	0-33%	0-33%	32-66%	32-66%	Varies by Agency/Legislature
Coastal Partnership Initiative	32-66%	0-33%	32-66%	0-33%	\$45,000.00
319 Grant	32-66%	0-33%	0-33%	0-33%	\$343,827.00
FEMA Disaster Mitigation Grant	67-100%	67-100%	67-100%	0-33%	< \$15 Million
FEMA Flood Mitigation Assistance	67-100%	32-66%	0-33%	0-33%	Varies; \$199 Million Available
TMDL Water Quality Restoration	67-100%	32-66%	0-33%	0-33%	\$307,069.00
Defense Infrastructure	67-100%	67-100%	32-66%	0-33%	\$100,000-\$1 Million
FDOT	0-33%	0-33%	0-33%	0-33%	Varies

# Summary

<b>Project</b>	<b>Phase 1</b>
Carptenter Creek/ Bayou Texar Revitalization	\$1,090,000
Project Universal Access	\$300,000
Perdido Key Gulf Access	\$123,000
Perdido Key Multi-Use Path	\$800,000
OLF8 Commerce Park	\$1,270,000
South Dogtrack Drainage	\$200,000
Eleven Mile Creek Restoration	\$1,110,776
11 – Mile Creek Basin	\$224,000
Hollice T. Williams Park	\$1,331,100
SOAR With RESTORE	\$750,000
<b>Total</b>	<b>\$7,198,876</b>
Direct Component (Pot 1) Funds	\$12,022,399 (Current Pot 1 Funds Available)

# Summary

<b>Project</b>	<b>Dollars</b>
Planning & Design for all 10 Projects Nominated	\$7,198,876.00
Administrative (10%)	\$719,887.00
Contingency (10%)	\$719,887.00
<b>Total</b>	<b>\$8,638,651.00</b>
<b>Additional Considerations</b>	
Direct Component Deposit April 2017	\$4,036,089.35
Implementation Costs / Leverage Goal	\$61,359,823.00
Leverage Already Committed	\$6,781,155.00

# Next Steps

BCC → Selection of Project(s)

Staff → Develop Scope of Work for Phase 1 of the projects

Staff → Draft the Multi-Year Implementation Plan to include selected projects

**RESTORE Direct Component Project Nominations Risk versus Benefits Assessment Summary (as of 2-9-17)**

RISK												
	Carpenter Creek/ Bayou Texar Revitalization	Project Universal Access	Perdido Key Gulf Access	Perdido Key Multi-Use Path	OLF8 Commerce Park	South Dogtrack Drainage	Eleven Mile Stream Restoration	11 – Mile Creek Basin	Hollice T. Williams Storm-water Park	SOAR with RESTORE	Chart Key	
LEGAL	97.86	41.00	25.66	16.93	71.55	154.20	48.22	33.70	18.20	190.60	Low	0-50
BUDGET	60.86	49.79	41.00	35.50	86.00	63.20	42.78	36.00	30.00	121.90	Moderate	51-100
PERMIT	29.20	22.83	34.98	24.74	25.85	109.56	21.17	24.58	21.50	NA	High	>100
TIMELINE/ OPERATIONAL/ MAINTENANCE	52.39	38.93	37.00	31.16	61.33	82.11	25.19	16.96	36.73	68.03		
ECOLOGICAL	40.09	36.65	51.47	29.40	37.77	56.34	28.78	20.31	39.97	NA		
ECONOMIC	56.46	34.79	28.41	35.04	63.69	75.50	32.78	29.28	31.25	50.56		
PUBLIC	45.93	37.62	84.64	73.14	69.69	60.07	58.56	24.11	28.00	19.90		
TREASURY	16.00	64.00	16.00	16.00	64.00	144.00	31.00	21.00	24.25	160.75		
<b>TOTAL RISK</b>	<b>398.79</b>	<b>325.61</b>	<b>319.16</b>	<b>261.91</b>	<b>479.88</b>	<b>744.98</b>	<b>288.48</b>	<b>205.94</b>	<b>229.90</b>	<b>611.74</b>		

BENEFITS												
Habitat Restoration	3.64	1.08	2.20	1.86	1.56	3.29	4.78	3.33	2.60	1.00	High Benefit	3.41-5.00
Habitat Preservation	4.21	1.69	2.93	2.23	2.38	3.07	4.78	3.89	2.90	0.50	Moderate Benefit	1.71-3.40
Water Quality	4.14	0.62	0.87	0.69	1.88	4.00	5.00	5.00	4.40	0.40	Low Benefit	0.00-1.70
Natural Resiliency	3.93	0.92	1.60	1.25	1.75	3.43	5.00	5.00	4.10	1.20		
<b>ENVIRONMENT</b>	<b>15.93</b>	<b>4.31</b>	<b>7.60</b>	<b>6.03</b>	<b>7.56</b>	<b>13.79</b>	<b>19.56</b>	<b>17.22</b>	<b>14.00</b>	<b>3.10</b>		
Tourism Opportunities	2.07	4.00	4.33	4.07	2.00	0.36	2.33	1.67	3.70	2.90	High Benefit	3.41-5.00
Recreational Fishing & Seafood	1.93	2.46	3.80	1.79	0.63	1.07	3.33	2.78	2.10	0.50	Moderate Benefit	1.71-3.40
Job Creation	1.07	1.62	1.73	1.36	4.56	0.93	2.56	2.22	2.70	4.60	Low Benefit	0.00-1.70
Business/Industry Growth	1.50	2.23	2.07	1.93	4.56	0.43	1.44	1.56	2.50	3.40		
Workforce Development	1.15	1.31	0.93	0.36	4.56	0.57	2.11	2.11	2.60	4.60		
<b>ECONOMIC</b>	<b>7.73</b>	<b>11.62</b>	<b>12.87</b>	<b>9.50</b>	<b>16.31</b>	<b>3.36</b>	<b>11.78</b>	<b>10.33</b>	<b>13.60</b>	<b>16.00</b>		
Transportation Improvements	1.93	2.85	2.73	4.07	2.25	1.43	3.00	3.44	3.22	0.90	High Benefit	3.41-5.00
Flooding Improvements	4.14	0.54	0.60	0.36	1.75	4.64	5.00	4.89	4.44	0.50	Moderate Benefit	1.71-3.40
Community Resiliency	3.93	1.85	1.67	1.00	2.00	4.00	5.00	4.67	4.56	2.20	Low Benefit	0.00-1.70
<b>INFRASTRUCTURE</b>	<b>10.00</b>	<b>5.23</b>	<b>5.00</b>	<b>5.43</b>	<b>6.00</b>	<b>10.07</b>	<b>13.00</b>	<b>13.00</b>	<b>12.22</b>	<b>3.60</b>		
<b>TOTAL BENEFIT</b>	<b>33.66</b>	<b>21.16</b>	<b>25.47</b>	<b>20.96</b>	<b>29.87</b>	<b>27.22</b>	<b>44.34</b>	<b>40.55</b>	<b>39.82</b>	<b>22.7</b>		

LEVERAGE												
FUNDING SOURCE	Likelihood of Receiving Funds										Average Awarded Funding	
NRDA	67-100%	67-100%	67-100%	32-66%	0-33%	32-66%	67-100%	32-66%	67-100%	0-33%	\$13,492,862.00	
NFWF- Gulf Environmental Benefit	67-100%	0-33%	32-66%	0-33%	0-33%	32-66%	67-100%	0-33%	0-33%	0-33%	\$6,712,493.00	
RESTORE Council	67-100%	0-33%	0-33%	0-33%	0-33%	32-66%	32-66%	0-33%	32-66%	32-66%	\$3,002,758.00	
Triumph Gulf Coast	0-33%	0-33%	0-33%	0-33%	67-100%	0-33%	0-33%	0-33%	32-66%	32-66%	\$1.125B for FL Panhandle; tbt	
Gulf Research Program	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	\$133 Million; tbt	
Tourism Grants	0-33%	67-100%	32-66%	32-66%	0-33%	0-33%	0-33%	0-33%	32-66%	32-66%	Varies	
Florida Forever Funds	32-66%	32-66%	32-66%	32-66%	0-33%	0-33%	32-66%	0-33%	32-66%	0-33%	Varies by Agency/Legislature	
Coastal Partnership Initiative	32-66%	32-66%	32-66%	32-66%	0-33%	0-33%	32-66%	0-33%	0-33%	0-33%	\$45,000.00	
319 Grant	67-100%	0-33%	0-33%	0-33%	0-33%	32-66%	67-100%	67-100%	67-100%	0-33%	\$343,827.00	
FEMA Disaster Mitigation Grant	0-33%	0-33%	0-33%	0-33%	0-33%	32-66%	67-100%	32-66%	0-33%	0-33%	< \$15 Million	
FEMA Flood Mitigation	0-33%	0-33%	0-33%	0-33%	0-33%	32-66%	67-100%	32-66%	0-33%	0-33%	Varies; \$199 Million Available	
TMDL Water Quality Restoration	67-100%	0-33%	0-33%	0-33%	0-33%	32-66%	67-100%	67-100%	32-66%	0-33%	\$307,069.00	
Defense Infrastructure	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	\$100,000-\$1 Million	
FDOT	0-33%	0-33%	0-33%	67-100%	0-33%	0-33%	0-33%	0-33%	0-33%	0-33%	Varies	

\* Please see Feb 9th Committee of the Whole Presentation for details & context.