

Northwest Florida Watersheds Partnership Program

“Celebrating 50 Years of Preserving Water
Resources in Northwest Florida”



Surface Water Improvement & Management (SWIM)

Program: Partnership Program Video



- The Florida Legislature passed the SWIM Act in 1987 to improve and manage the water quality and natural systems of Florida's surface waters, including lakes, rivers, streams, estuaries, springs, and wetlands.
- The District's SWIM priority list includes the seven major watersheds of northwest Florida.
- The central component of the SWIM Program is the development of plans for each watershed.
- SWIM plans provide:
 - Watershed characteristics
 - Descriptions of anthropogenic impacts to water quality and aquatic habitats
 - Strategies to restore and to protect watershed resources
- The SWIM plans were last updated and approved by the Governing Board in 2017 and 2018.



Northwest Florida Watersheds Partnership Program



- Collaborative program to identify priority sub-basins in each SWIM watershed and focus resources to implement projects that address water resource issues.
- Outreach and coordination will be key to maximizing partnerships and innovation.
- FY 2025-26 Legislative Budget Request is \$25 million
 - \$22.5 million for grant program
 - \$2.5 million for program implementation



Perdido River Near Otto Hill



Perdido Beach

Why Now?



- Florida is the fastest growing state in the U.S.
- The District includes some of the fastest growing counties in Florida (Gulf #3, Walton #6, Bay #15, Santa Rosa #17, and Wakulla #18).
- Collaborative partnerships and additional funding are needed to address pressing water resource issues in Northwest Florida.
- With the creation of the three panhandle estuary programs and the Pensacola & Perdido Bays Estuary Program becoming the first newly designated National Estuary Program in 30 years, there is significant local momentum to identify and fix priority resource issues.



Blackwater River Marsh



Project GreenShores and Admiral Mason Park

Partnership Program Implementation



- To ensure timely implementation, the District is developing sub-basin prioritization criteria, a public involvement plan, and a sub-basin work plan template.
- Public involvement activities anticipated to include:
 - Public meetings in all seven watersheds
 - Coordination with state agencies
 - Presentations at estuary program meetings
 - Meetings with local governments, regional planning councils, and interested parties
 - Creation and maintenance of a program webpage
- The District is pursuing funding for the Program during the 2025-2026 legislative session.



Choctawhatchee River at Highway 20



Live Oak Point Oyster Breakwater

Sub-basin Prioritization



- The goal is to identify seven priority sub-basins, one in each of the seven major SWIM watersheds.
- Sub-basin prioritization criteria focus on:
 - Water Quality
 - Water Supply
 - Natural System Protection
- Water Quality criteria includes impairment status and the potential for stormwater management needs.
- Water Supply criteria includes delineated areas of water resource concern and population growth.
- Natural Systems criteria includes changes in aquatic habitat area as an indicator of restoration priorities.



Longleaf Restoration in Econfinia Creek WMA



Lake Powell Beach Outfall

Sub-basin Work Plans



Once the seven priority sub-basins are identified, work plans will be developed to include:

- Sub-basin descriptions
- Water resource issues and strategies
- Project types, potential partners and collaborations
- Project implementation plans and estimated funding needs



Agricultural BMPs at Stoutamire Farms



OysterCorps Shoreline Stabilization, St. George Island

Grant Program Implementation



- If funding is received, the District will implement a grant program and solicit project proposals.
- Eligible project types are anticipated to include:
 - **Water quality** (restoration planning, stormwater, sediment abatement, septic to sewer, wastewater improvements)
 - **Aquatic habitat** (estuary program support, habitat restoration, living shorelines)
 - **Water supply** (reuse, source water protection, water conservation, water supply development including transmission and storage)
- Submitted projects will be evaluated and presented to the Governing Board for approval.
- Sub-basin work plans will be updated annually to reflect progress achieved (e.g., acres of habitat restored, lbs. of nitrogen removed, etc.).



May Nursery Algae Harvester Site



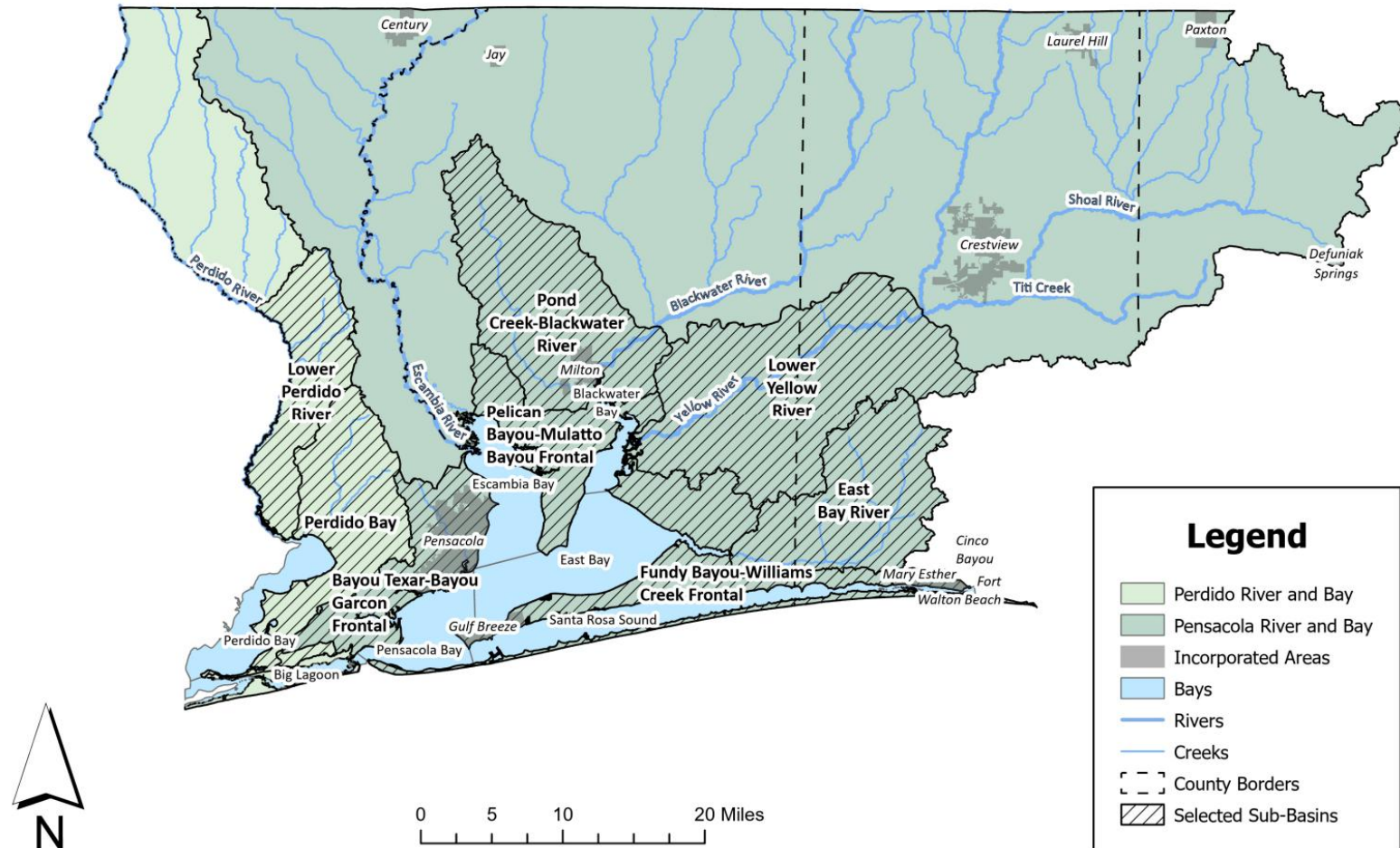
Sopchoppy River

Perdido River & Bay and Pensacola Bay Watersheds



Perdido River & Bay and Pensacola Bay System Watersheds

Candidate Priority Basins



Perdido Bay



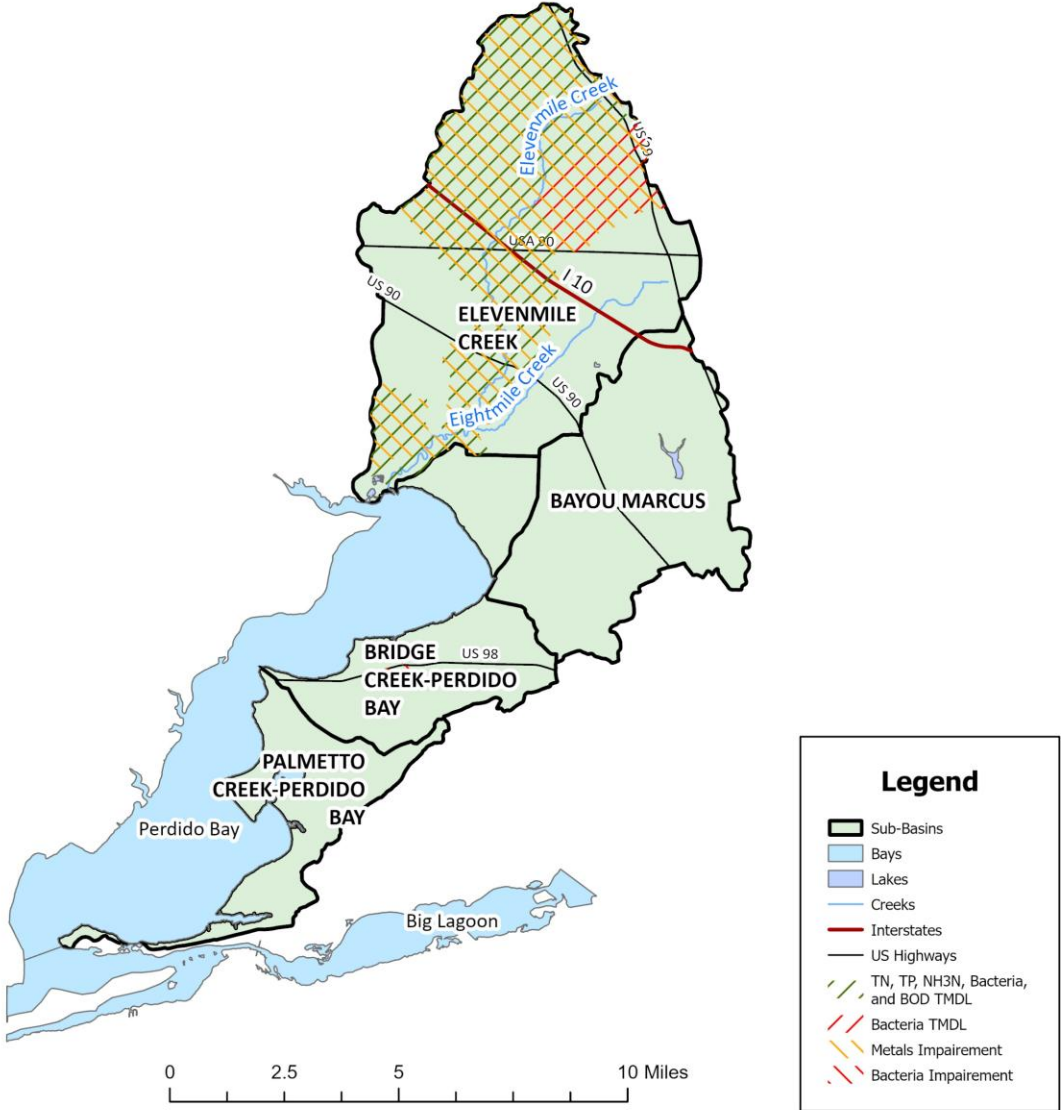
Description: This basin drains to the Gulf of America.

Water Quality: Includes waterbodies impaired for TN, TP, Un-ionized Ammonia (NH3N), Bacteria, Biological Oxygen Demand (BOD), and Metals . This basin is vulnerable to storm surge and has a moderate number of critical assets susceptible to flooding. Additionally, the basin is in the middle range for amount of floodplain contained.

Water Supply: The basin is within the top 20% for historical (2010 –2020) and projected (2024 - 2045) population increase.

Natural Areas: This basin ranks in the top 20% for decreases in aquatic habitats from 2010 to 2022 and has restoration plans in place.

Perdido Bay



Lower Perdido River



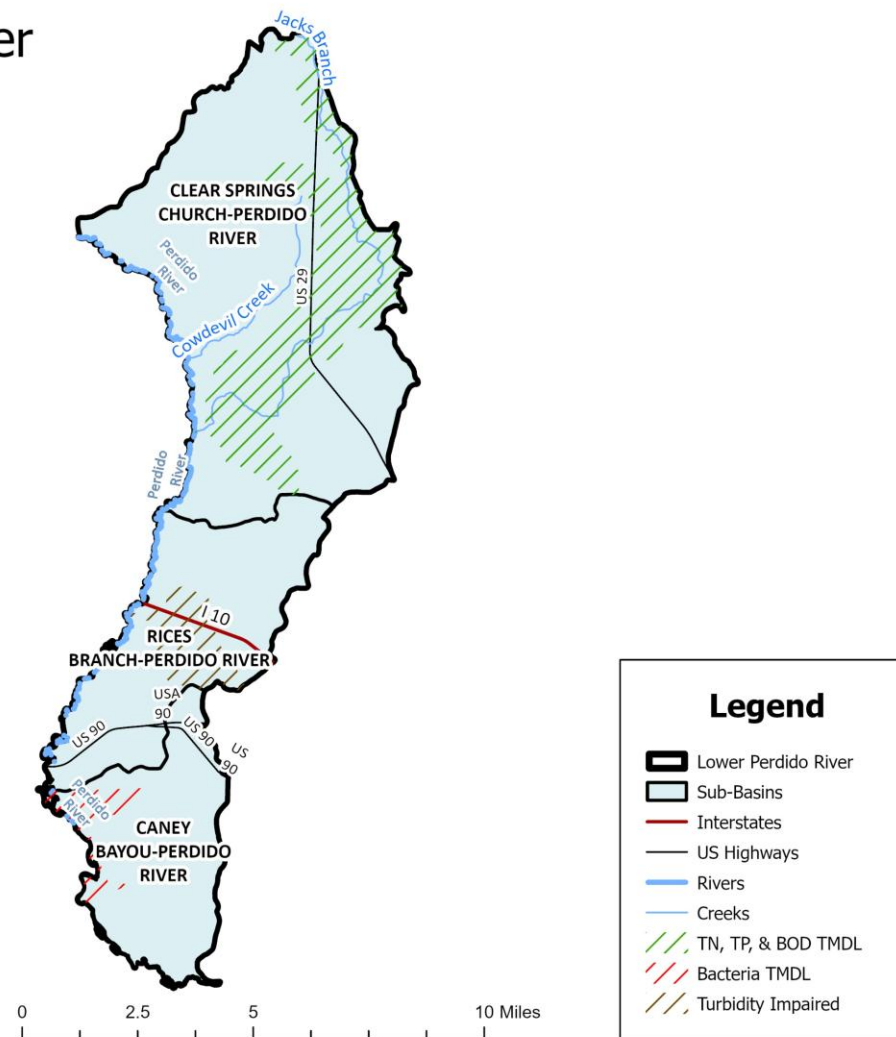
Description: This basin drains to Perdido Bay.

Water Quality: Includes waterbodies impaired for TN, TP, BOD, Bacteria, and Turbidity. Much of the basin is at risk of storm surge and has a low amount of critical assets susceptible to flooding. Additionally, the basin is in the low range for amount of floodplain contained.

Water Supply: The basin is within the top 20% for historical (2010 –2020) and projected (2024 -2045) population increases.

Natural Areas: This basin ranks in the top 30% for decreases in aquatic habitat from 2010 to 2022 and has restoration plans in place.

Lower Perdido River



East Bay River



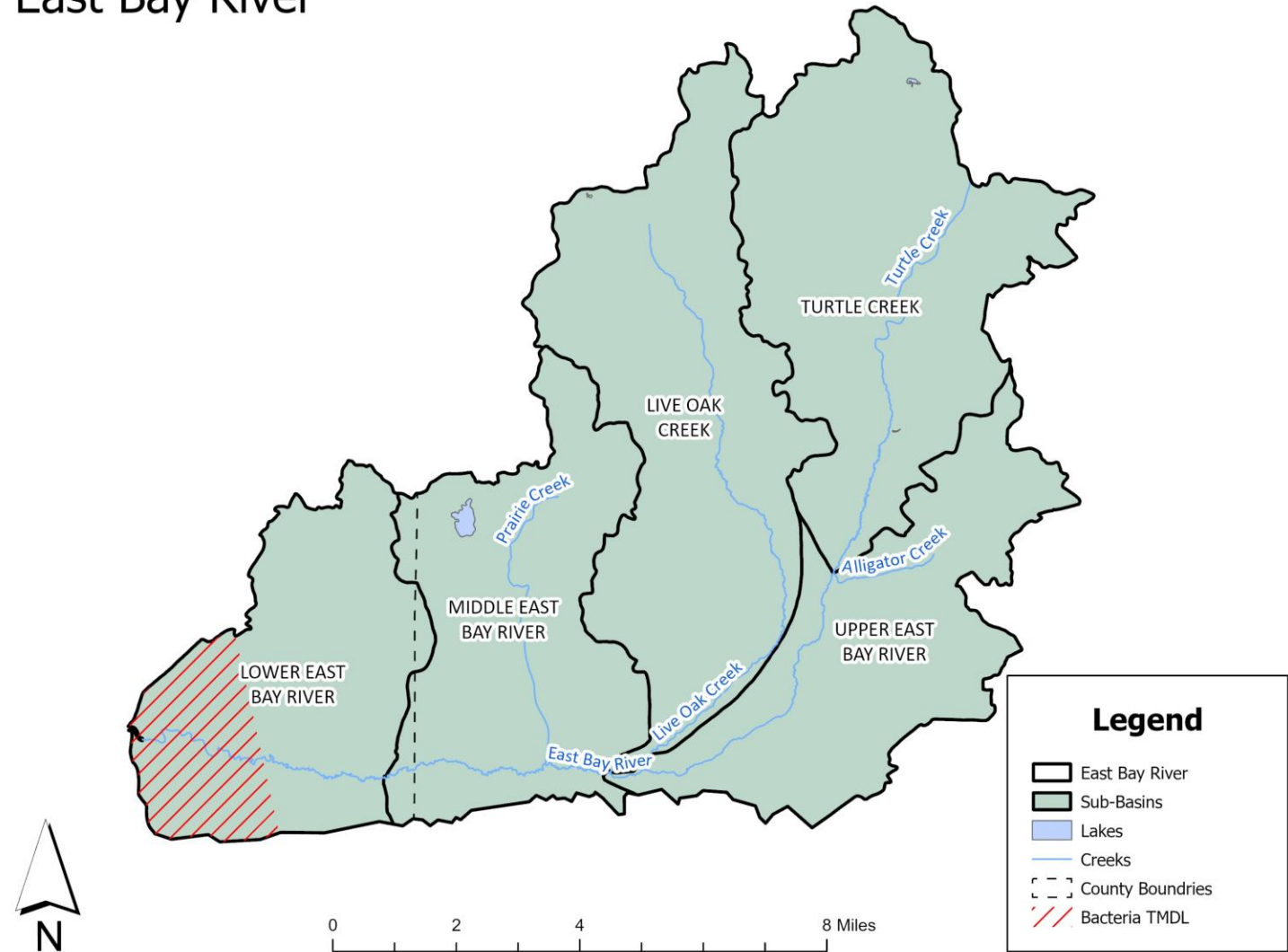
Description: This basin drains to East Bay.

Water Quality: Includes waterbodies impaired for Bacteria . This basin is at risk for storm surge and has a moderate amount of critical assets susceptible to flooding. Additionally, the basin ranks in the middle range for amount of floodplain contained.

Water Supply: The basin is within the Region II Regional Water Supply Plan area, a Water Resource Caution Area, and has Floridan aquifer levels below sea level. Additionally, the basin is among the top 10% for historical (2010 –2020) and projected (2024 - 2045) population increases.

Natural Areas: Basin ranks in the top 25% for decreases in aquatic habitat area from 2010 to 2022 and has restoration plans in place.

East Bay River



Bayou Texar-Bayou Garcon Frontal



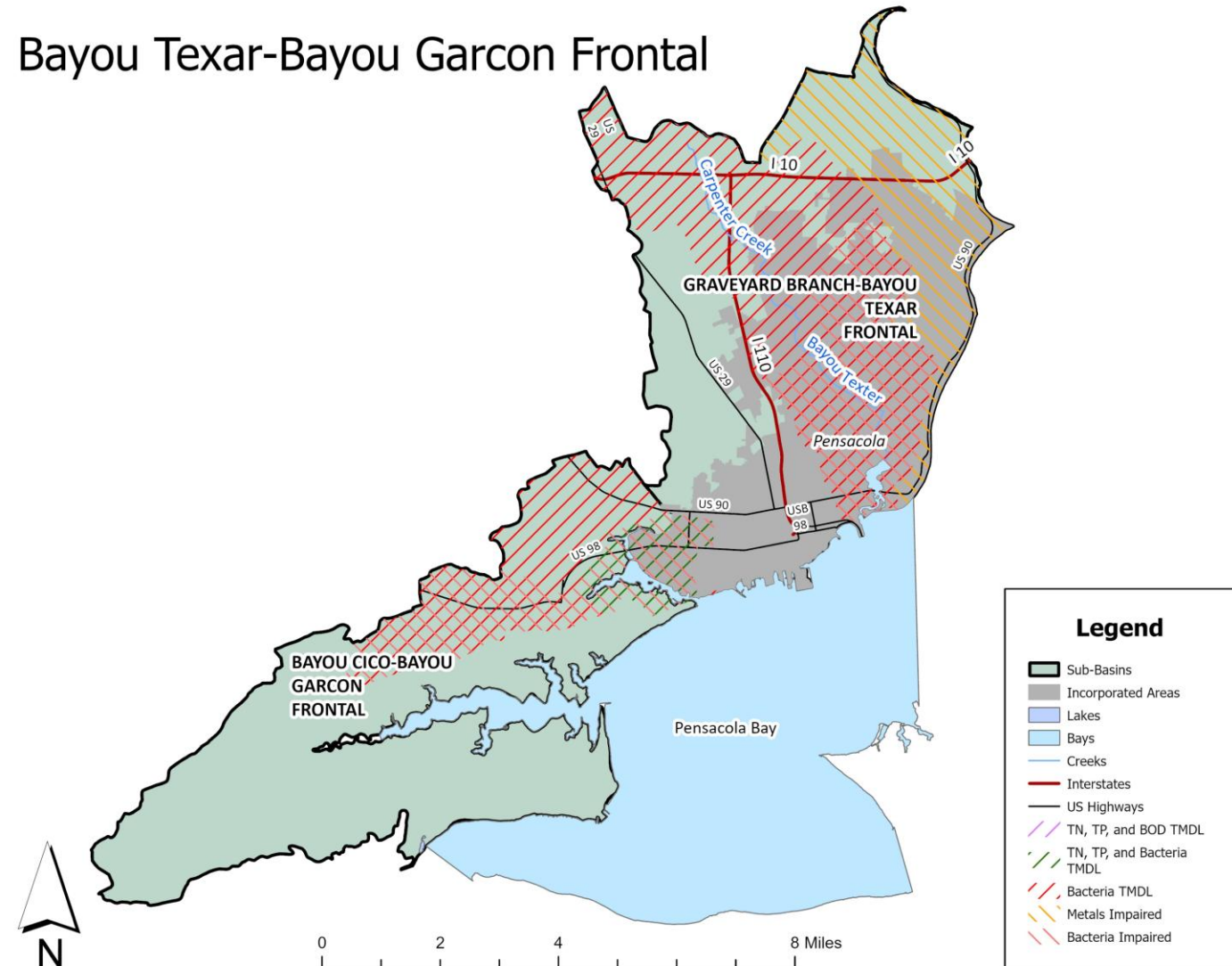
Description: This basin drains to Pensacola Bay.

Water Quality: Includes impaired waters for TN, TP, BOD, Bacteria, and Metals. Basin is under risk of storm surge and has a high amount of critical assets that are susceptible to flooding. Additionally, the basin is in the top middle range for amount of floodplain contained.

Water Supply: The basin is in the top 20% for historical (2010 –2020) and projected (2024 - 2045) population increases.

Natural Areas: The basin ranks in the middle range for decreases in aquatic habitat from 2010 to 2022 and currently has restoration plans in place.

Bayou Texar-Bayou Garcon Frontal



Fundy Bayou-Williams Creek Frontal



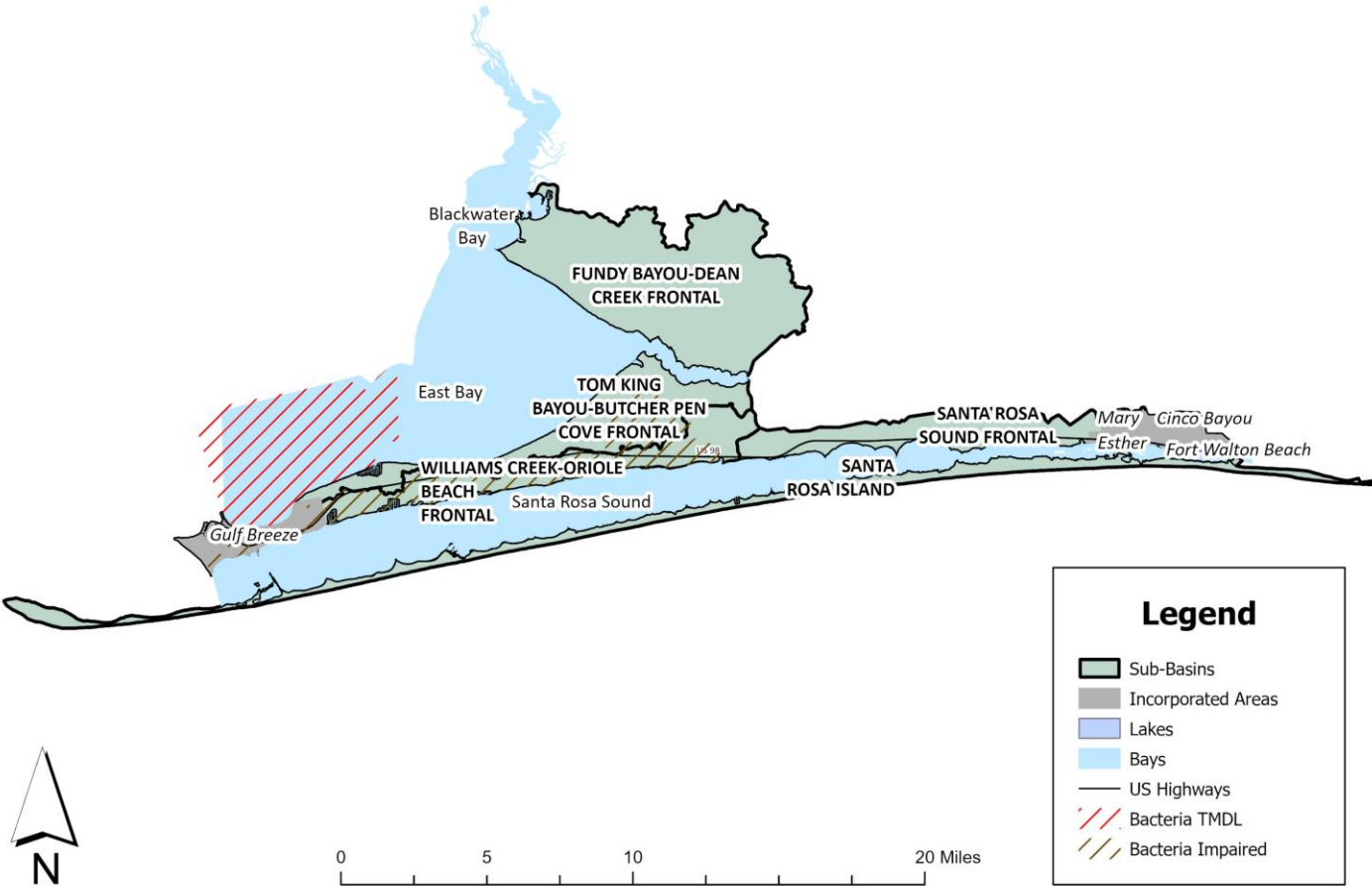
Description: This basin drains to Blackwater and East Bays, Santa Rosa Sound, and the Gulf of America.

Water Quality: Has known impaired waters for Bacteria. Basin is at risk for storm surge and has a high number of critical assets susceptible to flooding. Additionally, the basin is in the middle range for amount of floodplain contained.

Water Supply: The basin is within the Region II Regional Water Supply Plan area, a Water Resource Caution Area, and has Floridan aquifer levels below sea level. Additionally, the basin is in the top 10% for historical (2010 –2020) and projected (2024 - 2045) population increases although growth rates are high in some areas.

Natural Areas: Basin ranks in the lower ranges for decreases in aquatic habitat from 2010 to 2022 and has restoration plans in place.

Fundy Bayou-Williams Creek Frontal



Lower Yellow River



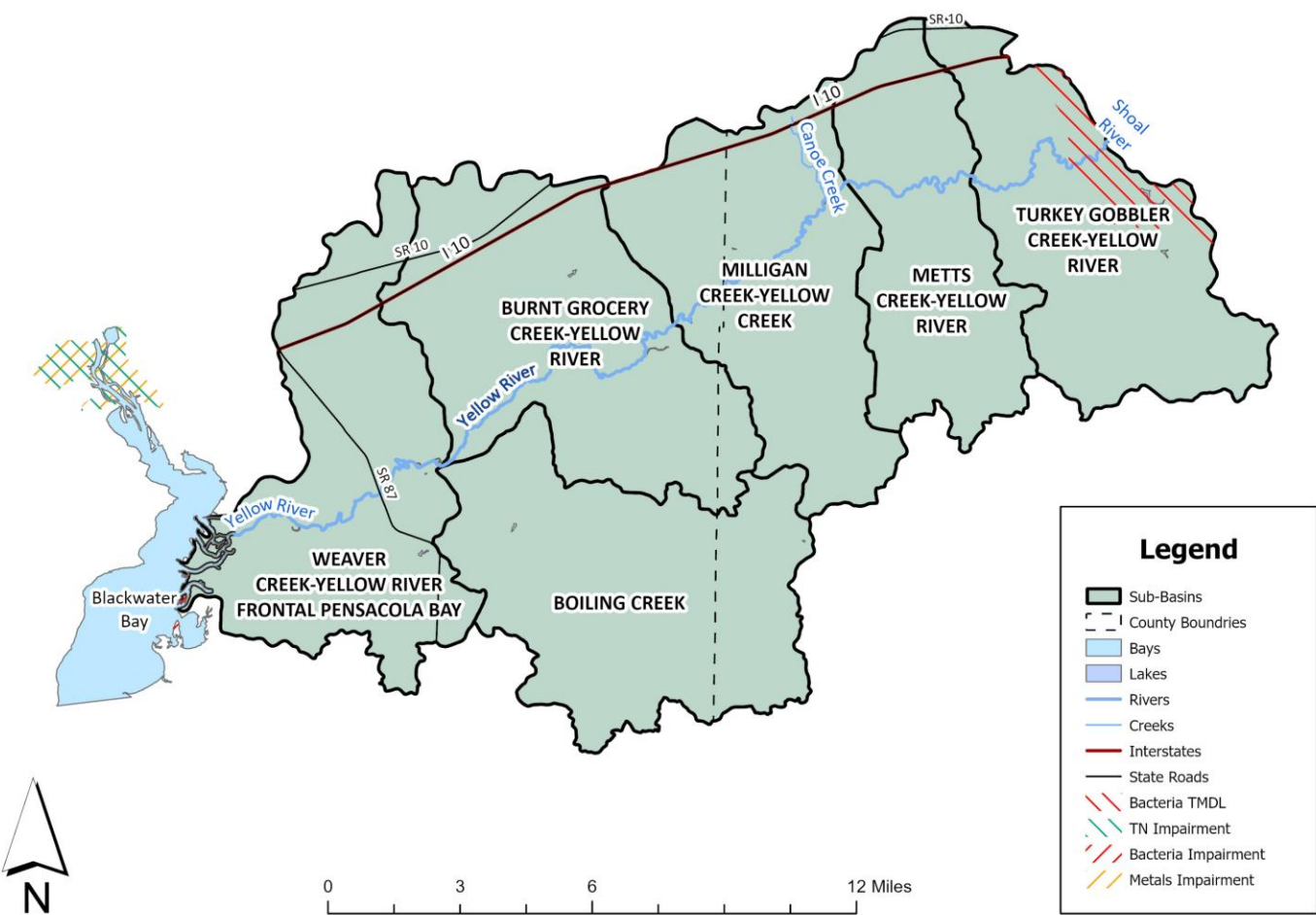
Description: This basin drains to Blackwater Bay.

Water Quality: Has known impaired waters for Bacteria, TN, and Metals. Basin is at risk for storm surge and has a moderate number of critical assets susceptible to flooding. Additionally, the basin is among the high middle range for amount of floodplain contained.

Water Supply: The basin is within the Region II Regional Water Supply Plan area and has Floridan aquifer levels below sea level. Additionally, the basin is in the top 20% for historical (2010 –2020) and projected (2024 - 2045) population increases although growth rates are high in some areas.

Natural Areas: Basin ranks in the middle range for decreases in aquatic habitat from 2010 to 2022 and has restoration plans in place.

Lower Yellow River



Pelican Bayou-Mulatto Bayou Frontal

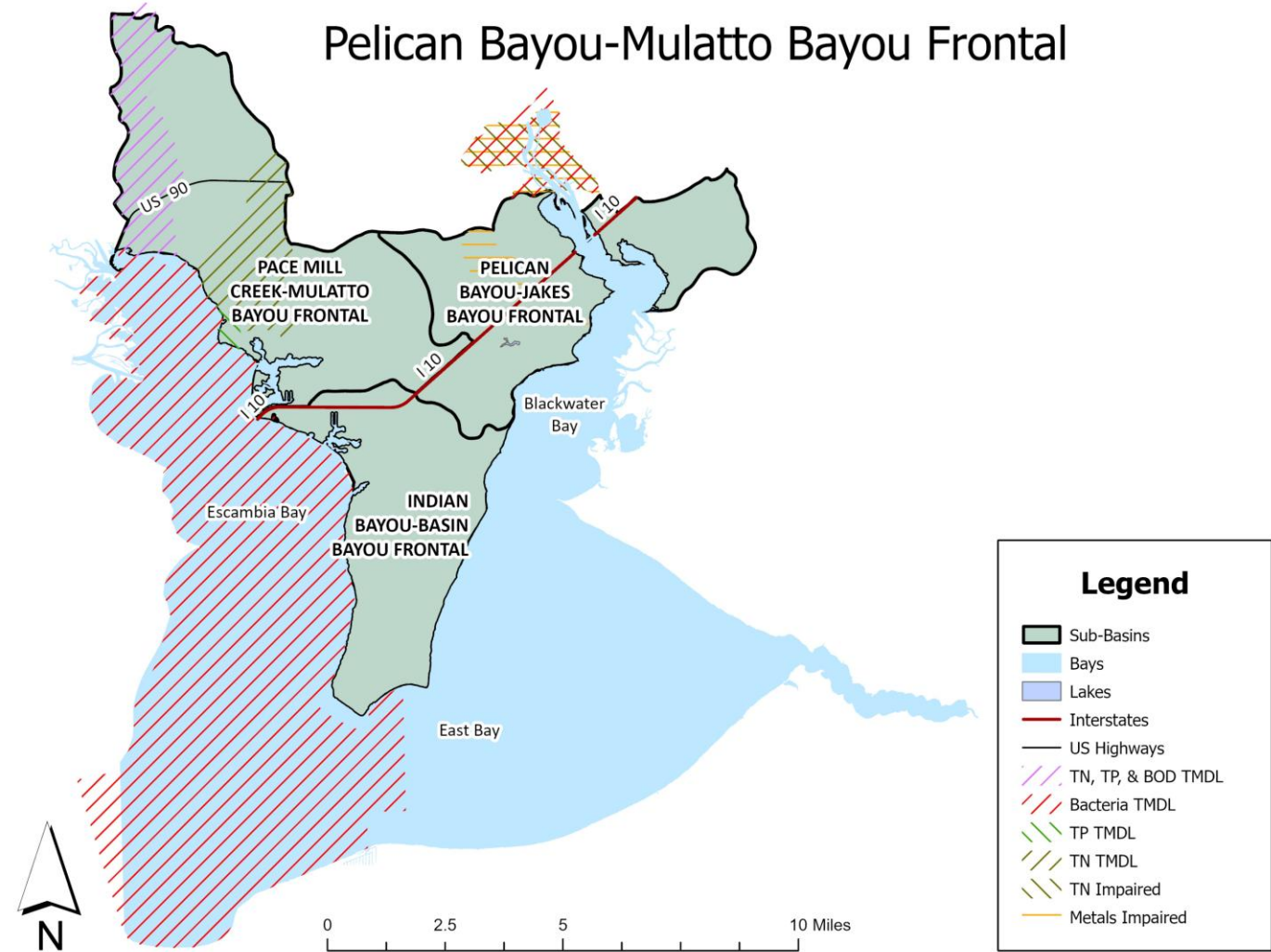


Description: This basin drains to Blackwater River, Pelican Bayou, Ward Basin, Blackwater Bay, East Bay, Escambia Bay, Indian Bayou, and Mulatto Bayou.

Water Quality: Has known impaired waters for TN, TP, BOD, Bacteria, and Metals. Basin is at risk for storm surge and has a high number of critical assets susceptible to flooding. Additionally, the basin ranks in the middle range for amount of floodplain contained.

Water Supply: The basin is within the Region II Regional Water Supply Plan area. Additionally, the basin is in the top 10% for historical (2010 –2020) and projected (2024 - 2045) population increases although growth rates are high in some areas.

Natural Areas: Basin ranks in the middle range for decreases in aquatic habitat from 2010 to 2022 and has restoration plans in place.



Pond Creek-Blackwater River

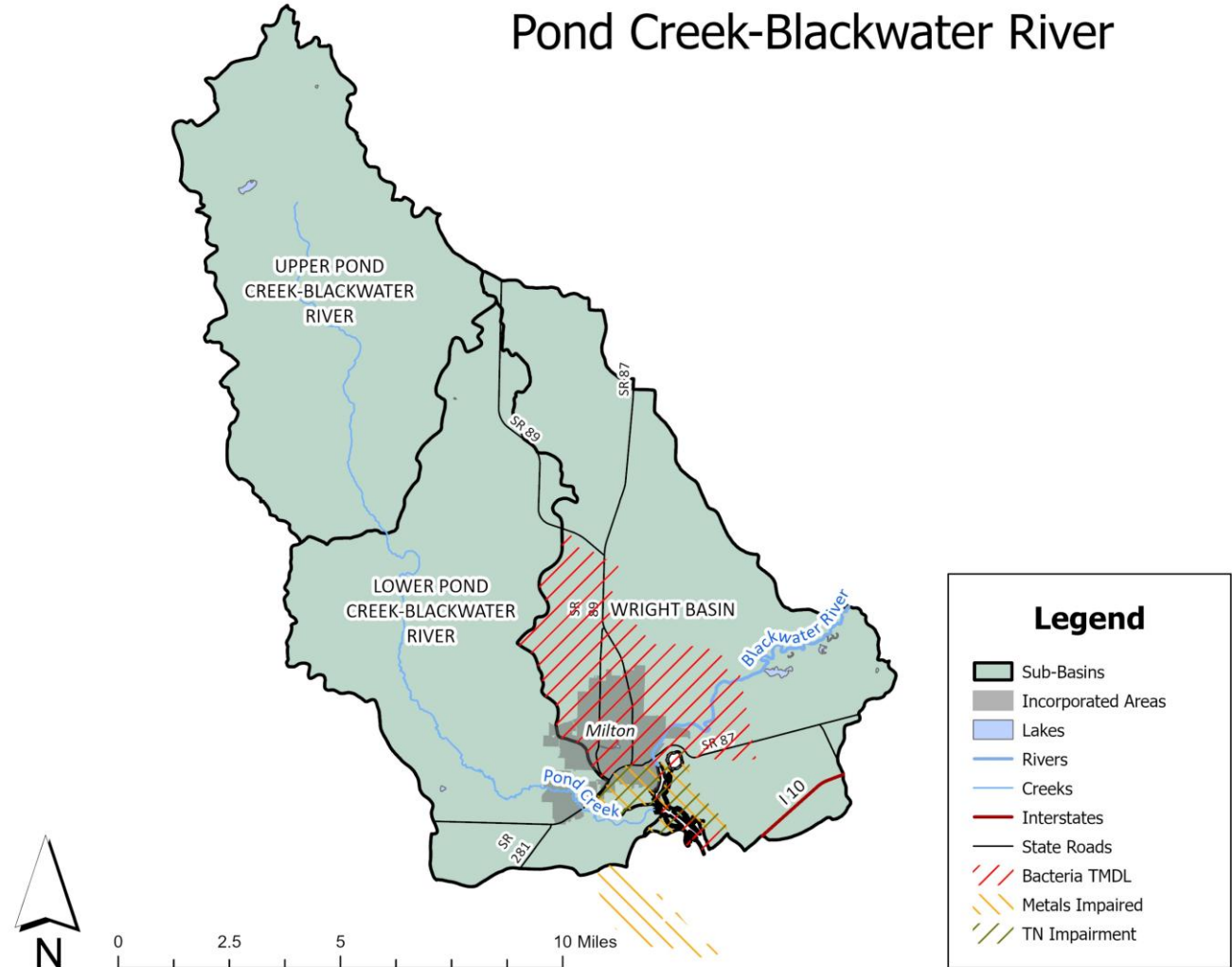


Description: This basin drains to Pond Creek and Blackwater River.

Water Quality: Has known impaired waters for Bacteria, TN, and Metals. Basin is at risk for storm surge and has a moderate number of critical assets susceptible to flooding. Additionally, the basin is in the middle range for amount of floodplain contained.

Water Supply: The basin is within the Region II Regional Water Supply Plan area. Additionally, the basin is in the top 10% for historical (2010 –2020) and projected (2024 - 2045) population increases although growth rates are high in some areas.

Natural Areas: Basin ranks in the middle range for decreases in aquatic habitat from 2010 to 2022 and has restoration plans in place.



Next Steps



- **October:** Outreach to share information and solicit feedback on the Partnership Program elements including:
 - Sub-basin prioritization
 - Sub-basin resource issues and strategies
 - Planned and potential projects
 - Sub-basin work plans
- **November – January:** Develop work plans for prioritized sub-basins
- **Public Comment Period:** October 1 – October 24
Send to: Donnie.Hicks@nwfwater.com or Darryl.Boudreau@nwfwater.com



Wakulla River



Wakulla Beach

Public Comment and Results



- **Public Comment Period:** October 1 – October 24
Send to: Donnie.Hicks@nwfwater.com or
Darryl.Boudreau@nwfwater.com

Northwest Florida Watershed Partnership

Pensacola Survey:



Perdido Survey:



Website:



Port St. Joe



John B. Gore Park

Thank You



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