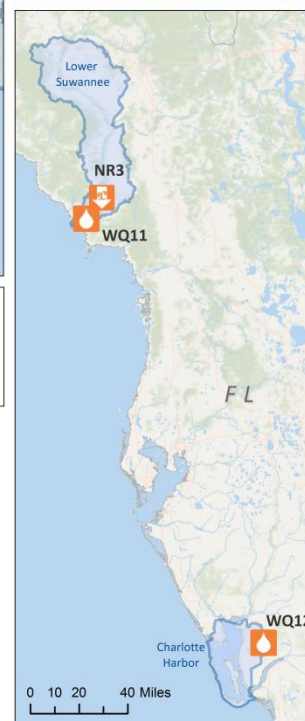
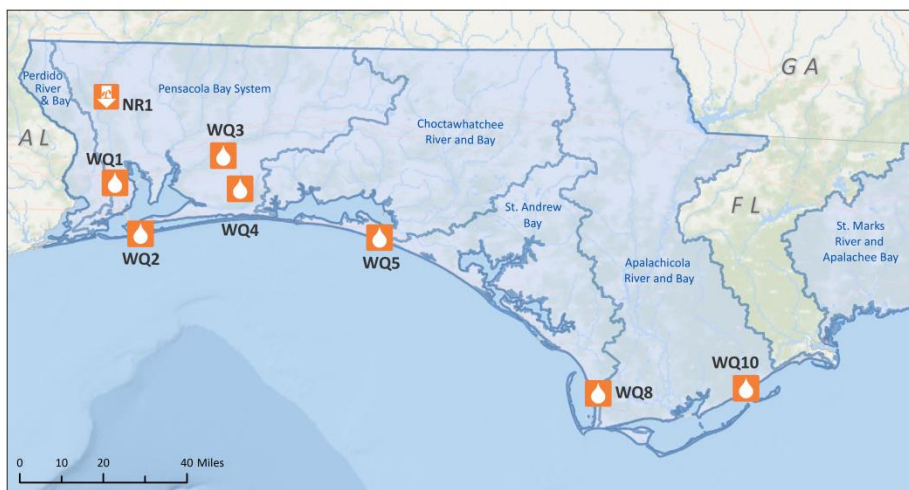


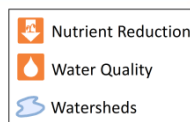
Florida Restoration Area

Nutrient Reduction and Water Quality Restoration Types Draft Restoration Plan 1/Environmental Assessment



Project Index

- NR1 - Pensacola Bay and Perdido River Watersheds - Nutrient Reduction
- NR3 - Lower Suwannee River Watershed - Nutrient Reduction
- WQ1 - Carpenter Creek Headwaters Water Quality Improvements
- WQ2 - Pensacola Beach Reclaimed Water System Expansion
- WQ3 - Rattlesnake Bluff Road and Riverbank Restoration
- WQ4 - Pensacola Bay Unpaved Roads Initiative (P&D)
- WQ5 - Alligator Lake Coastal Dune Lake Hydrologic Restoration
- WQ8 - City of Port St. Joe Stormwater Improvements
- WQ10 - City of Carrabelle's Lighthouse Estates: Septic Tank Abatement - Phase II
- WQ11 - Lower Suwannee National Wildlife Refuge Hydrologic Restoration (P&D)
- WQ12 - Lower Charlotte Harbor Flatwoods Hydrologic Restoration Initiative, Yucca Pens Unit (P&D)





This factsheet highlights the Florida Trustee Implementation Group's (FL TIG) tentative preferred restoration projects consistent with the Nutrient Reduction and Water Quality Restoration Types.

The FL TIG evaluated 15 restoration projects consistent with the Nutrient Reduction and Water Quality Restoration Types, and as shown on this factsheet, identified 11 tentative preferred projects within these Restoration Types, totaling an estimated cost of \$22,195,754.


Florida Restoration Area

Nutrient Reduction and Water Quality Projects Proposed for Implementation in Draft Restoration Plan 1

PROJECT NAME	PROJECT DESCRIPTION	ESTIMATED COST
NUTRIENT REDUCTION 		
Pensacola Bay and Perdido River Watersheds - Nutrient Reduction	This project would improve water quality by reducing sediment and nutrient (phosphorus and nitrogen) loads to Pensacola Bay and Perdido River watersheds in two HUC12 watersheds: Sandy Hollow-Pine Barren Creek and Moore Creek through the development and implementation of conservation plans on agricultural lands. These plans aim to address nutrient and sediment runoff through the implementation of conservation practices (CPs) and require identifying willing landowners to participate. The U.S. Department of Agriculture would be the implementing Trustee for this project.	\$2,100,000
Lower Suwannee River Watershed - Nutrient Reduction	This project would improve water quality by reducing sediment and nutrient (phosphorus and nitrogen) loads to Lower Suwannee River watershed in three HUC12 watersheds: Long Pond, Long Pond Slough, Manatee Springs through the development and implementation of conservation plans on agricultural lands. These plans aim to address nutrient and sediment runoff through the implementation of conservation practices (CPs) and require identifying willing landowners to participate. The U.S. Department of Agriculture would be the implementing Trustee for this project.	\$3,150,000
WATER QUALITY 		
Carpenter Creek Headwaters Water Quality Improvements	This project involves construction of a stormwater treatment facility and restoration of wetlands in Escambia County to improve water quality in the highly urbanized Carpenter Creek and Bayou Texar watersheds, which flow into Pensacola Bay. This project is a companion to the Carpenter Creek Headwater Park Amenities project, both of which are part of the Carpenter Creek and Bayou Texar Watershed Management Plan (funded through Escambia County's RESTORE Direct Component project). The Florida Department of Environmental Protection would be the implementing Trustee for this project.	\$1,689,900
Pensacola Beach Reclaimed Water System Expansion	This project aims to reduce the discharge of nutrients and other pollutants into Santa Rosa Sound by expanding the Emerald Coast Utilities Authority Pensacola Beach Reclaimed Water System. This project includes making additional reclaimed water available to the Santa Rosa Island Authority for irrigation of rights-of-way and making reclaimed water available for irrigation of commercial and residential areas on Santa Rosa Island. The Florida Department of Environmental Protection would be the implementing Trustee for this project.	\$4,683,404


Florida Restoration Area

Nutrient Reduction and Water Quality Projects Proposed for Implementation in Draft Restoration Plan 1

PROJECT NAME	PROJECT DESCRIPTION	ESTIMATED COST
WATER QUALITY (CONT'D) 		
Rattlesnake Bluff Road and Riverbank Restoration	This project would reduce erosion and sediment loads to the Yellow River and Pensacola Bay by stabilizing roads and replacing deteriorating and/or inadequate culverts at up to six priority stream crossings identified along Rattlesnake Bluff Road in Santa Rosa and Okaloosa counties. The project includes re-assessment and selection of six from the existing 13 priority stream crossings along Rattlesnake Bluff Road and planning, design, and construction of culvert replacements. The U.S. Department of the Interior would be the implementing Trustee for this project.	\$3,149,091
Pensacola Bay Unpaved Roads Initiative (P&D)	This project aims to collect information that would be helpful for improving water quality in the Pensacola Bay Watershed. The project would include assessing and identifying unpaved stream crossings contributing the largest sediment loads to the watershed, and to develop 30% design plans of site-specific solutions at a minimum of 15 priority locations to eliminate or reduce sediment loading to water resources and associated habitats. The Florida Department of Environmental Protection would be the implementing Trustee for this project.	\$705,473
Alligator Lake Coastal Dune Lake Hydrologic Restoration	This project would reduce pollution and hydrologic degradation in coastal waters within the Choctawhatchee Bay Watershed by removing culverts under County Road 30A in Walton County that presently acting as barriers separating the north and south portions of Alligator Lake rather than allowing the exchange of fresh and Gulf waters. A bridge would be constructed across Alligator Lake to help restore tidal exchange and remove barriers to fish and wildlife movements. The Florida Department of Environmental Protection would be the implementing Trustee for this project.	\$1,382,400
City of Port St. Joe Stormwater Improvements	This project involves stormwater improvements in a 280-acre sub-basin in the City of Port St. Joe, to provide stormwater treatment capacity and improved water quality protection for Patton Bayou and St. Joseph Bay. Additional work includes improvement of the conveyance system, for enhanced stormwater management and improved treatment efficiency and the development of a Stormwater Master Plan. The Florida Department of Environmental Protection would be the implementing Trustee for this project.	\$961,000

Florida Restoration Area

Nutrient Reduction and Water Quality Projects Proposed for Implementation in Draft Restoration Plan 1

PROJECT NAME	PROJECT DESCRIPTION	ESTIMATED COST
WATER QUALITY (CONT'D) 		
City of Carrabelle's Lighthouse Estates: Septic Tank Abatement - Phase II	This project aims to improve water quality in Apalachicola Bay and St. George Sound by connecting homes near the bay currently served by septic systems to a central wastewater treatment system, limiting the installation of additional septic systems within the area, as well as pre- and post-construction water quality monitoring. The Florida Department of Environmental Protection would be the implementing Trustee for this project.	\$3,237,986
Lower Suwannee National Wildlife Refuge Hydrologic Restoration (P&D)	This project includes planning and design activities to analyze existing information and conduct modeling to determine the most effective locations for restoration actions to improve hydrologic conditions in the Lower Suwannee National Wildlife Refuge. Activities include compilation and analysis of water quality data, hydrologic assessment and modeling of overland flows to identify locations where culvers, low water crossing, and road remove can be used to restore flows, and design of a restoration strategy. The Florida Department of Environmental Protection would be the implementing Trustee for this project.	\$500,000
Lower Charlotte Harbor Flatwoods Hydrologic Restoration Initiative, Yucca Pens Unit (P&D)	This project involves the development and implementation of a science-based, data-driven Strategic Hydrological Planning Tool that would provide resource management agencies guidance for restoration and management of surface waters that flow through the 15,014-acre Yucca Pens Unit of the Cecil Webb/Babcock Wildlife Management Area (WMA) into eastern Charlotte Harbor and the Caloosahatchee River via tidal channels. Results would allow for the identification of recommendations on priority restoration and management projects or actions and associated benefits and implementation costs to help reduce pollution and hydrologic degradation to coastal watersheds in lower Charlotte Harbor. The Florida Department of Environmental Protection would be the implementing Trustee for this project.	\$636,500