

Natural Resource Damage Assessment (NRDA)

Restoration Project Information Sheet

A General Information

Organization Okaloosa County			
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B Project Information

Project Name Lake Lorraine Estates Stormwater Retrofit			
Location (e.g. John Smith National Wildlife Refuge) Lake Lorraine Estates is located in the Town of Shalimar in south Okaloosa County			
State(s) (Use 2-letter abbreviations separated by commas) FL		County/Parish Okaloosa	Watershed/Basin Choctawhatchee Bay
Latitude (decimal degrees)	Longitude (decimal degrees)	Project Size (Choose one) miles 50 acres tons	
		Affected Area 50 acres	

C Project Description

Please provide more information about the proposed project. (Limit 2,750 characters.)

Currently the stormwater system in Lake Lorraine Estates is failing. These failures mainly involve the deterioration of pipes. Pipes that separate and rust through allow soil, pollutants, and debris to enter the stormwater system. Stormwater exiting these outfalls carry harmful pollutants including: nitrogen, phosphorous, hydrocarbons, floating and suspended debris, and sediments. These constituents accelerate the degradation of Lake Lorraine and Choctawhatchee Bay, thereby threatening the recreational and economic use of the resource.

If funding is obtained, the County intends to install new piping to stop the system from further polluting Lake Lorraine and Choctawhatchee Bay and prevent these pollutants from entering receiving waters. The County intends to install new stormwater pipes throughout the entire Lake Lorraine Estates Sub-division to reduce continued pollutant loading. The County has easements in place which are sufficient to allow installation of the proposed infrastructure.

A typical purchase price for smooth wall plastic pipe is approximately \$120 per foot. With an estimated 1800 feet of pipe to be replaced, including sod, asphalt, and grout, the estimated materials cost will be \$235,500. Staff estimates that the cost of the program including engineering, design, permitting, and construction will be approximately \$500,000.

The County's current stormwater Capital Improvement Plan budget allocation for projects is approximately \$500,000 annually, a portion of which could be dedicated to this project along with in-kind services for some of the design work, permitting, and construction. If approved for funding, the project will be included in the County's 5-year CIP with 100% of the project completed the first year. The funding request is for \$500,000. This is sufficient to cover engineering, design, permitting, construction, and contingency.

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Restoration Project Information Sheet (continued)

D	Project Type(s)	(Check all that apply)	
		☒ Restoration	☐ Debris Removal
		☒ Protection	☐ Land Acquisition
			☒ Maintenance/Management
			☐ Education
E	Project Habitat(s)	(Check all that apply)	
		☒ Upland	☒ Marine/Estuarine Wetlands
		☐ Riverine	☐ Freshwater Wetlands
			☐ Beach/Dune
			☐ Subtidal (Nearshore/Offshore)
F	Resource Benefit(s)	(Check all that apply)	
		☒ Marine Mammals	☒ Shellfish
		☐ Birds	☐ Terrestrial Wildlife
		☒ Reptiles/Amphibians	☐ Corals
		☒ Fish	☐ Vegetation
		☒ Water Column	☒ Sediment/Benthos
		☒ Shoreline	☒ Human Use (Recreational, Cultural)
	Will the project directly benefit State- or Federally-listed species? If so, please list them. If not, please indicate N/A.		
G	Project Status		
	Property/Resource Acquisition	Completed	Time to Implementation
	Project Planning/Design	Not Started	4-6 months
	Project Permitting	Not Started	Time to Project Completion
			7-12 months
	Is this project included under a regional or statewide plan? If so, please list: No		
H	Project Costs	Estimated Cost	Funding Available
		\$500,000.00	\$10,000.00
I	Project Partners		
	Partner 1 Organization		
	Partner 1 Contact	Partner 1 Involvement	
	Partner 2 Organization		
	Partner 2 Contact	Partner 2 Involvement	
	Partner 3 Organization		
	Partner 3 Contact	Partner 3 Involvement	

Disclaimer:

The submission of project information does not guarantee project funding. Projects will be evaluated using criteria identified in OPA, NEPA, implementing regulations, and related laws. Selection and funding determinations will be made by the Trustee Council.