

Eleven Mile Creek Restoration



OVERALL PROJECT DESCRIPTION

The Eleven Mile Creek Stream Restoration project will provide expansion of the creek's riparian buffers, restore natural habitat, and improve water quality in Eleven Mile Creek and Perdido Bay. Additionally, it will mitigate coastal flooding, protect valuable public infrastructure, and repair existing nonfunctional stormwater infrastructure.

Eleven Mile Creek is a 303(d) listed impaired water body and Total Maximum Daily Loads (TMDLs) exist for fecal coliform bacteria, low dissolved oxygen, excess nutrients, elevated biological oxygen demand, and unionized ammonia. Water quality improvements are necessary to meet water quality standards for Class III water to be considered "fishable and swimmable".

Restoration and expansion of the floodplain, restoration of wetlands, reduction in invasive species, and reestablishment of riparian buffers will increase wildlife habitats as well as provide flood protection for Bristol Park, Bristol Creek, and Ashbury Hills neighborhoods and surrounding areas.

PROJECT DETAILS

2016-17 MYIP ACTIVITIES - \$1,332,930 *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

Primary Eligible Activity: Planning Assistance
Secondary Eligible Activity: Restoration and protection of natural resources.

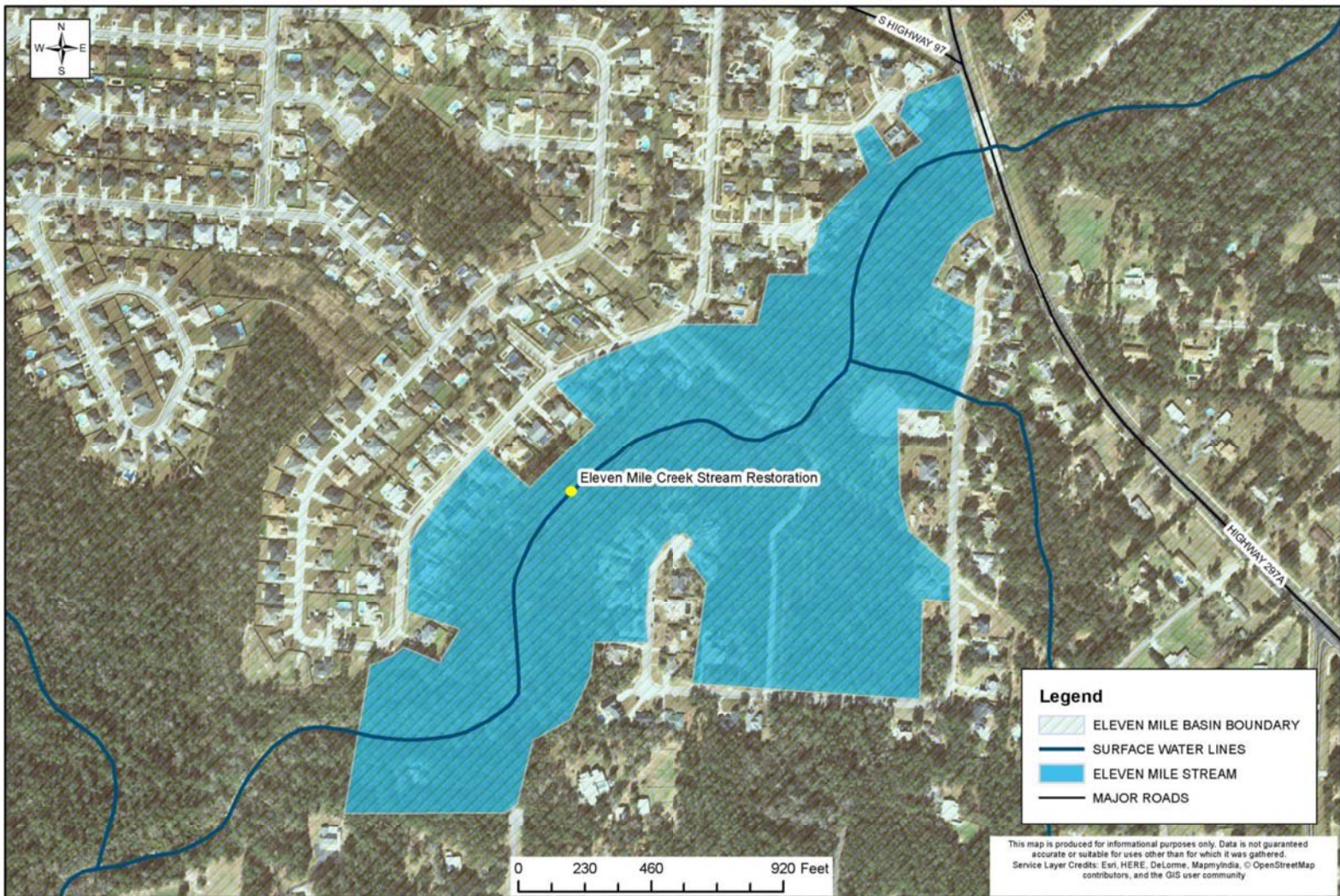
*FUTURE ACTIVITIES - \$11,819,133 *Implementation & Construction*

- 3,500 linear ft. Stream Restoration
- 40 acres Floodplain Expansion
- Protect 160 Homes

Total Project Cost: \$13,152,063

Leverage: \$6,235,620 (HMGP Grant & LOST)

*Future activities are not funded by the 2016-17 MYIP but could be funded in future multi-year plans



Overall Project Benefits

- 3,500 linear ft. Stream Restoration
- 40 acres Floodplain Expansion
- Protect 160 Homes from Flooding
- Riparian Zone Restoration/Preservation
- Increase Community Resilience
- Expand Wildlife Corridor
- Improve Water Quality/ Increase Dissolved Oxygen/Address TMDL
- Stormwater Runoff Treatment/ Reduction
- Support and Create Jobs

Best Available Science

Eleven Mile Creek Documented Impairments (See reference page)

- Impaired Waterbodies: Fecal Coliform TMDL- Bacterial Pollution Control Plan
- Sedimentation
- Nutrients
- Habitat Loss
- Low Dissolved Oxygen