

# Eleven Mile Creek Basin



## OVERALL PROJECT DESCRIPTION

This project will add eleven stormwater ponds in the Eleven Mile Creek basin that will provide flood attenuation, improve water quality, and have a direct impact on all coastal areas of Escambia County that border Perdido Bay. Site one (1) is a pond near the Green Hills Road Tributary. The remaining ten (10) pond/stream restoration sites in the Eleven Mile Creek basin are being analyzed for land acquisition. One of the broader goals of this project is to reduce downstream stormwater flow rates and improve downstream water quality. The Green Hills site plan is for construction of a pond and/or floodplain restoration site upstream of the Green Hills Road culvert crossing. An immediate benefit will be that Green Hills Road will not be subject to roadway flooding during a 25-year storm event. Construction of the remaining eleven ponds will reduce roadway flooding throughout the Eleven Mile Creek basin. Ponds 2 through 11 are stormwater ponds/ floodplain creation sites that will similarly improve the Eleven Mile Creek Watershed downstream of the Green Hills Road culvert crossing. Construction of the attenuation sites will directly reduce downstream flooding and improve water quality by measurably reducing the amount of sedimentation and pollutants that enter Perdido Bay.

## PROJECT DETAILS

### 2016-17 MYIP ACTIVITIES - \$268,800

#### *Planning & Design for Stormwater Improvements*

- Pond Creation & Location Planning
- Watershed Assessments
- Easement Determination & Land Acquisition
- Wetland Delineation & Permitting
- Pond & Floodplain Restoration Design

**Primary Eligible Activity:** Planning Assistance

**Secondary Eligible Activity:** Coastal flood protection and related infrastructure.

### \*FUTURE ACTIVITIES - \$3,800,000

#### *Implementation & Construction*

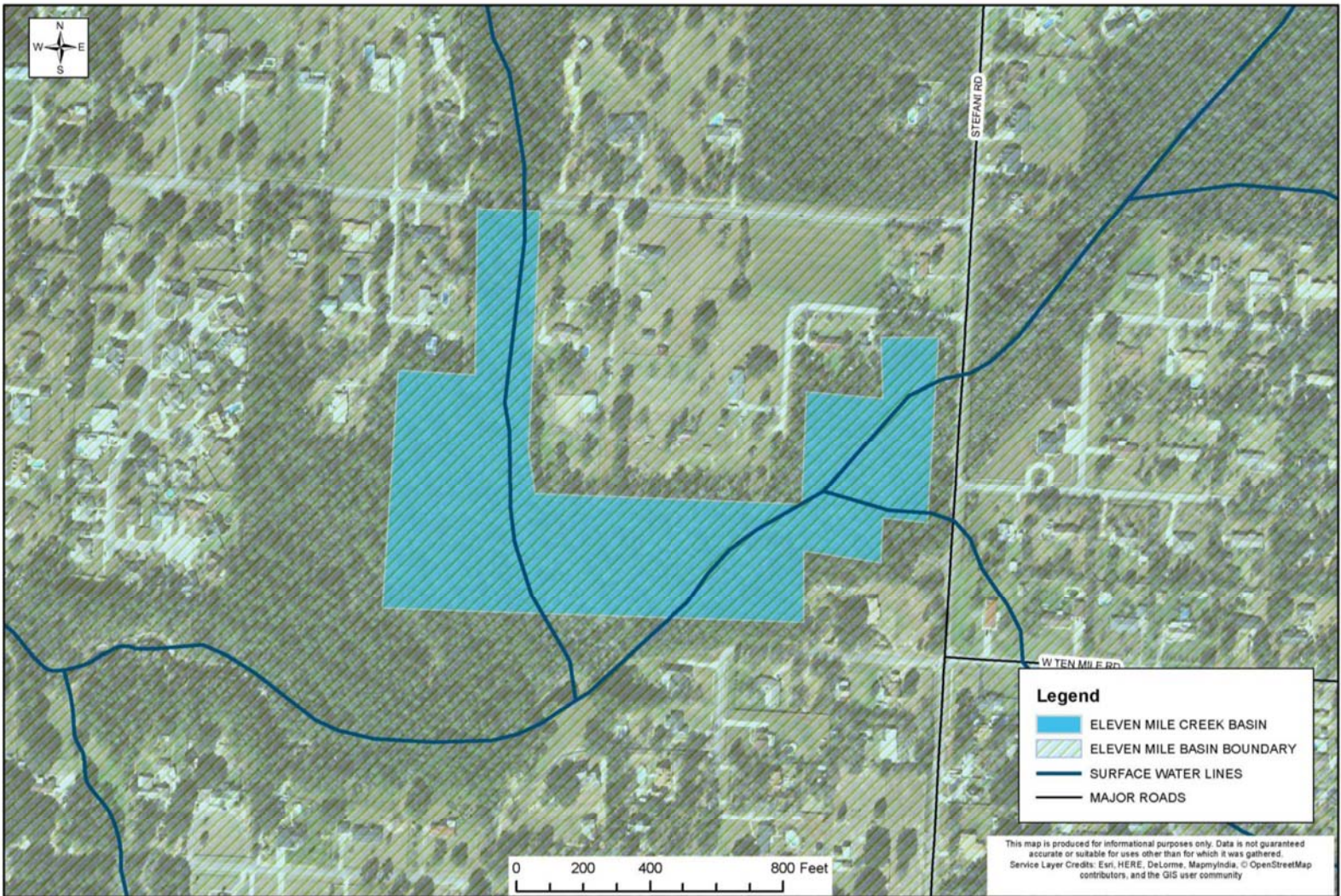
- Construction of Ponds and Stormwater Treatment Sites

Total Project Cost: \$4,068,800

Leverage: \$1,510,000 (Programmed LOST)

Long Term Project Cost: \$43,200,000

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



### Overall Project Benefits

- Flood Protection for 512 acres
- Protect 31,000 acres Downstream
- Protect Homes
- Increase Community Resilience
- Create 11 Stormwater Treatment Ponds
- Improve Water Quality/ Increase Dissolved Oxygen/ Address TMDLs
- Stormwater Runoff Treatment/ Reduction
- Low Dissolved Oxygen
- Support & Create Jobs

### Best Available Science

#### Documented Flooding (See Reference Page)

- Hydrological flow has been diverted by surrounding development
- Encroachment has increased water volume while reducing flow out of the creek

#### Eleven Mile Creek Documented Impairments (See reference page)

- Impaired Waterbodies: Fecal Coliform TMDL- Bacterial Pollution Control Plan