

Carpenter Creek & Bayou Texar Revitalization Plan



OVERALL PROJECT DESCRIPTION

The Carpenter Creek and Bayou Texar Economic and Environmental Revitalization Plan will be based on public input and watershed assessments, and will identify community goals, illustrate project components, and develop sound restoration and revitalization projects in the Carpenter Creek and Bayou Texar watershed.

Urban encroachment along Carpenter Creek has reduced riparian buffers leading to increased erosion rates and flooding occurrences, increased stormwater runoff, reduced water quality and clarity, and a disconnect between the urban and natural environment.

Projects identified in the master plan will be implemented to restore/enhance the floodplain, stabilize creek banks, improve water flow and quality, and establish public access with a greenway trail and environmental/historical educational signage.

PROJECT DETAILS

2016-17 MYIP ACTIVITIES - \$1,308,000

Develop a Master Plan for Carpenter Creek and Bayou Texar

- Community/Stakeholder Input
- Water Quality/Habitat Monitoring
- Watershed Assessments
- Identify Community Goals
- Identify Restoration Activities
- Identify Stormwater Controls/ Treatment Projects
- Illustrate Project Components

Primary Eligible Activity: Planning Assistance

Secondary Eligible Activity: Infrastructure projects benefitting the economy and/or ecological resources.

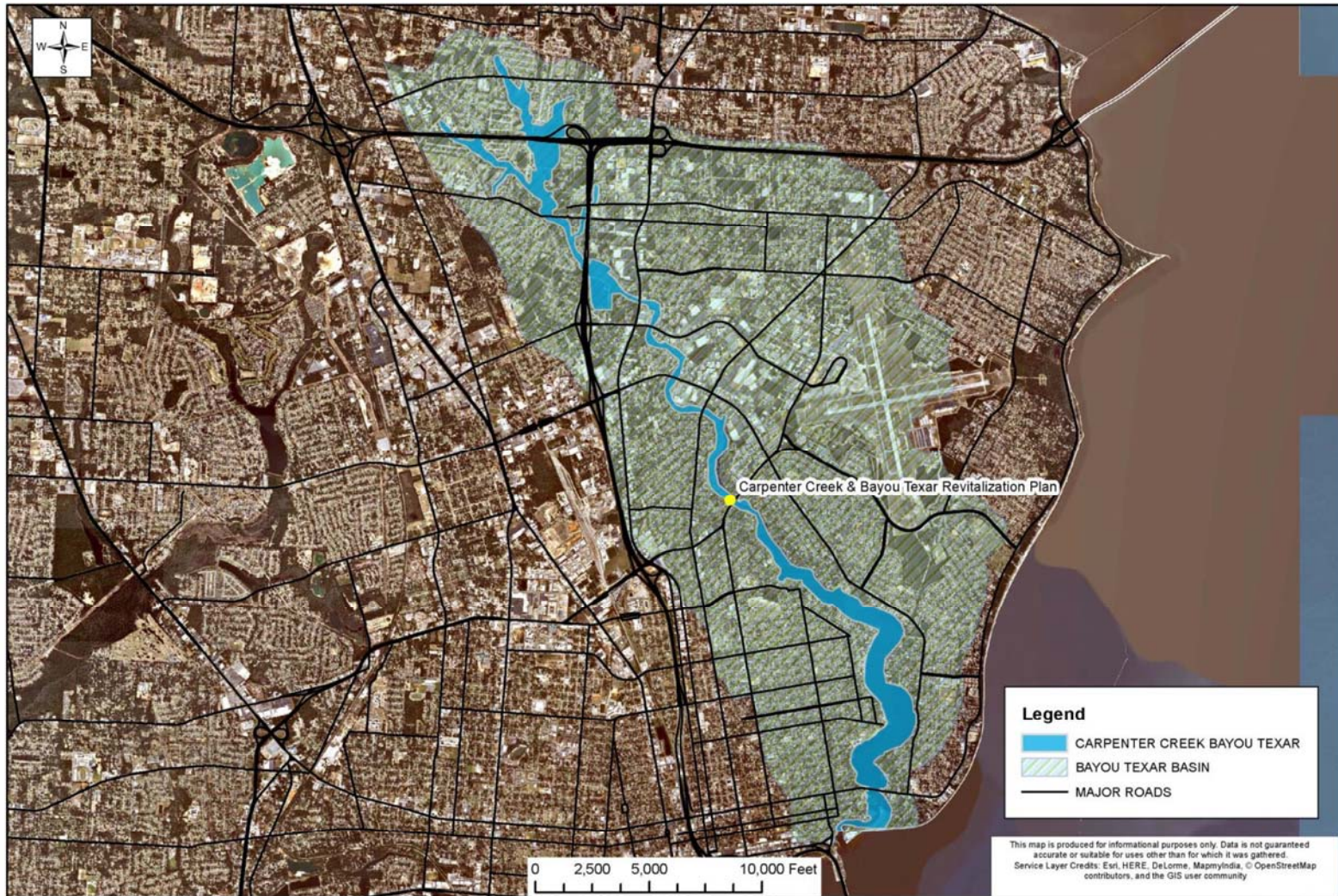
*FUTURE ACTIVITIES - \$3,795,000

Master Plan Implementation

- Land/Easement Acquisition
- Stream Restoration
- Riparian Zone Restoration/Preservation
- Establish Greenway/ Public Access

Total Project Cost: \$5,103,000

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



Overall Project Benefits

- Restored/Enhanced Floodplain/Reduce Residential & Commercial Flooding
- Reduce Water Flow Velocity
- Improve Water Quality/Increase Dissolved Oxygen/Address TMDL
- Preserve Natural Habitats/Enhance Riparian Buffers
- Establish Greenway for Pedestrians/Bicycles
- Stormwater Runoff Treatment/Reduction
- Increase Recreational Access and Ecotourism

Best Available Science

Carpenter Creek & Bayou Texar Documented Legacy Issues (See Reference Page)

- Sedimentation
- Nutrients
- Impaired Waters: Fecal Coliform TMDL-Bacterial Pollution Control Plan
- Habitat Loss