

Apalachicola Bay Water Quality Improvements - Wastewater

Overview

Proposed Apalachicola Bay water quality improvements (wastewater) consist of two projects: City of Apalachicola Hwy 98 Bayfront Septic to Sewer Connections and the City of Carrabelle Lighthouse Estates Septic to Sewer Project. Both of these projects are scalable with potential changes to the number of customer connections. The state of Florida, through the Northwest Florida Water Management District, has committed significant match funding for the project.

City of Apalachicola Sewer Line Extension

The City's wastewater treatment plant is an AWT facility currently operating at approximately 1/3 capacity with capacity for significant additional connections.

Phase 1

- 4,765 LF of gravity force main
- Lift station upgrade for flow capacity
- Engineering and permitting
- 26 connections south of US 98 (18 with current OSTDS)
- Estimated pollutant load reduction – 380 Lbs./yr TN
- Current estimated cost: \$420,000

Phase 2

- Approximately 14 additional connections on the north side of US 98
- Estimated pollutant load reduction – 295 Lbs./yr TN
- Estimated cost: \$200,000

City of Carrabelle Lighthouse Estates Sewer Extension

Two phase project to extend sewer service to the Lighthouse Estates Community west of the City of Carrabelle. This project site is directly proximate to Carrabelle Beach, which has suffered regular public health exceedances for bacteria.

Phase 1

- 9,350 LF of gravity force main
- Engineering and permitting
- 53 OSTDS connections
- Estimated pollutant load reduction – 980 Lbs./yr TN
- Estimated cost: \$851,000

Phase 2

- Additional sewer line extension and connections
- Estimated cost: \$1,549,000
- Additional 110 OSTDS potential connections (engineer's estimate)
- Estimated potential pollutant load reduction – 2,046 Lbs./yr TN

Estimated Costs and Proposed Funding

	Estimated Match (NWFWMMD)	Proposed NRDA	Estimated Total Cost
City of Apalachicola Sewer Line Extension Project	\$320,000	\$280,000	\$600,000
City of Carrabelle Lighthouse Estates Sewer Extension	\$851,000*	\$1,549,000	\$2,400,000
Total	\$1,171,000	\$1,829,000	\$3,000,000

*Fully encumbered and approved match

Project Vicinity

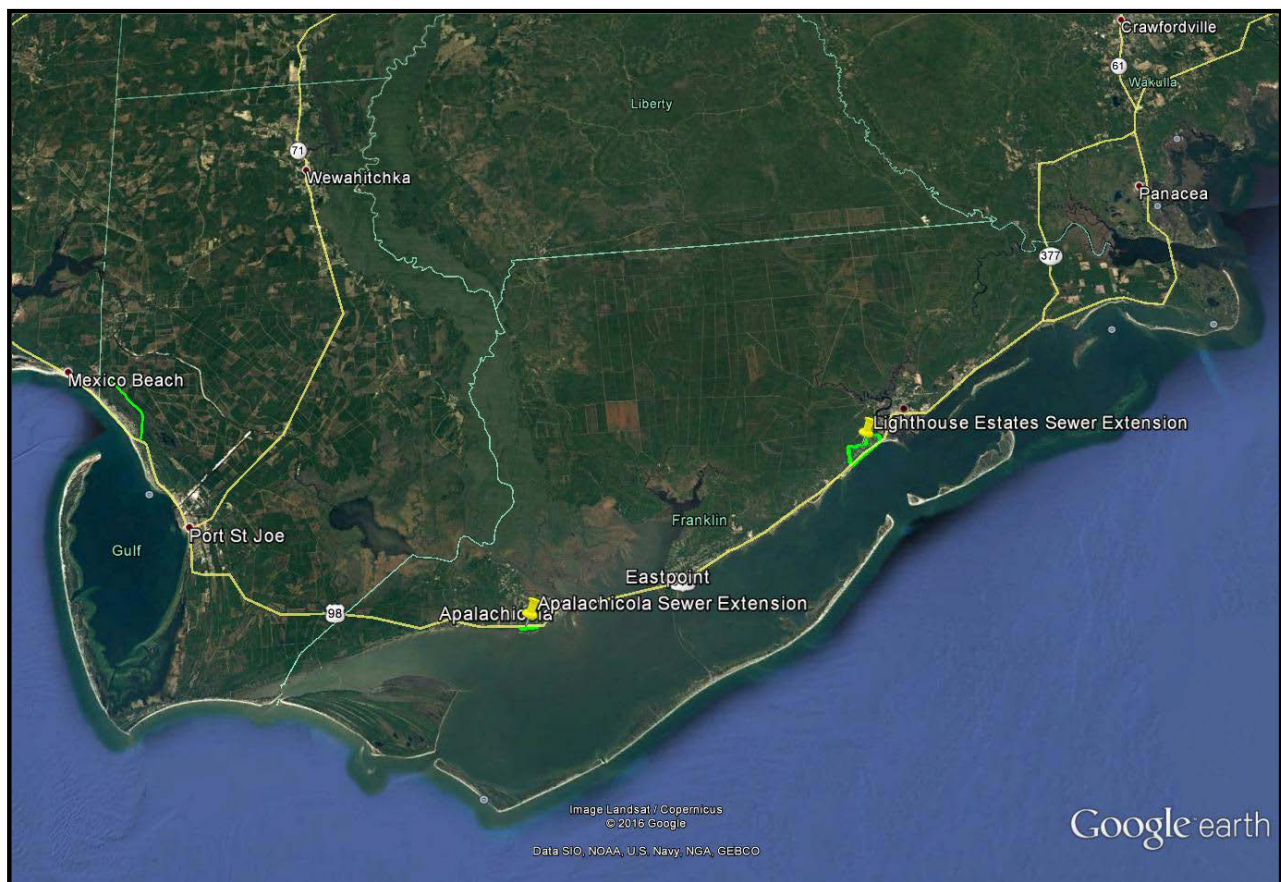


Figure 1. Regional Overview

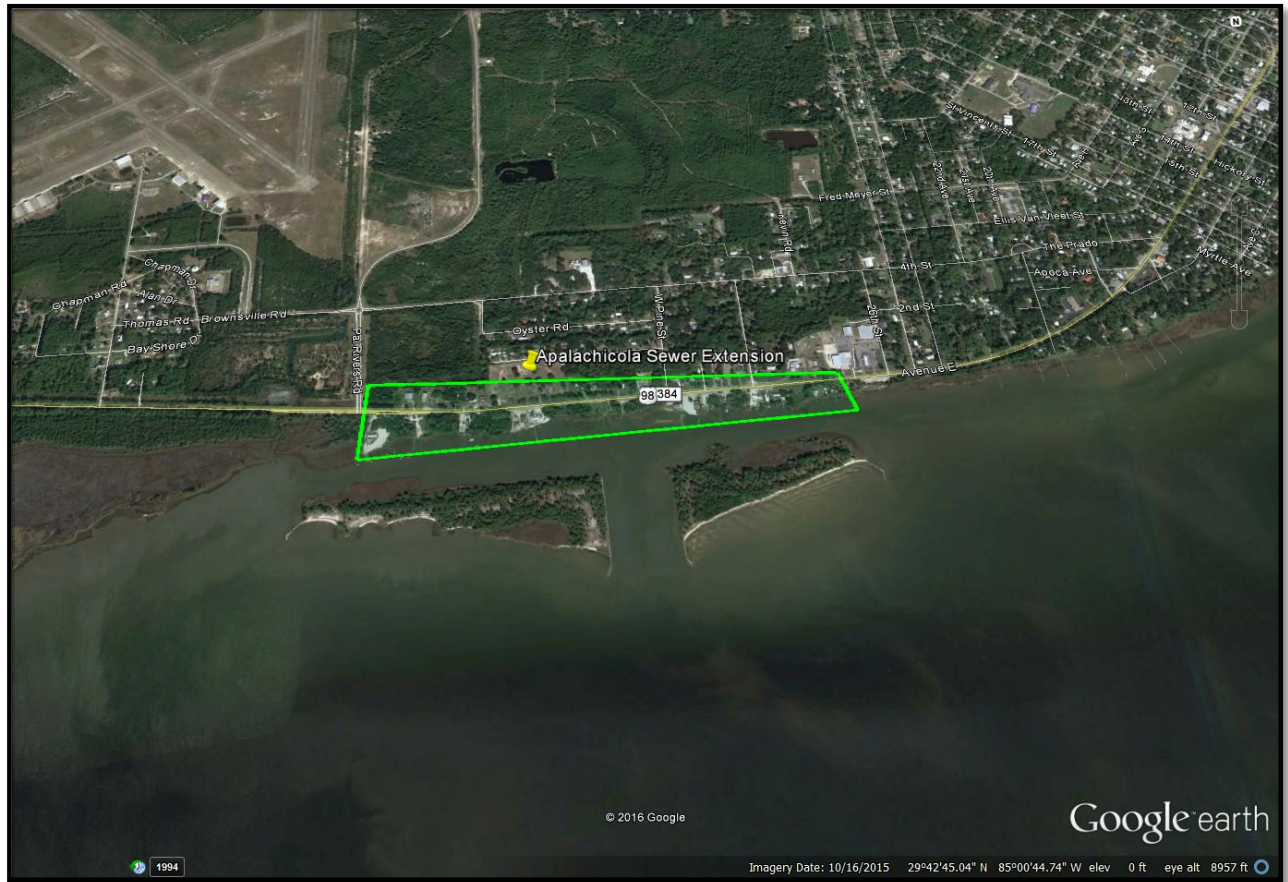


Figure 2. Apalachicola Sewer Extension

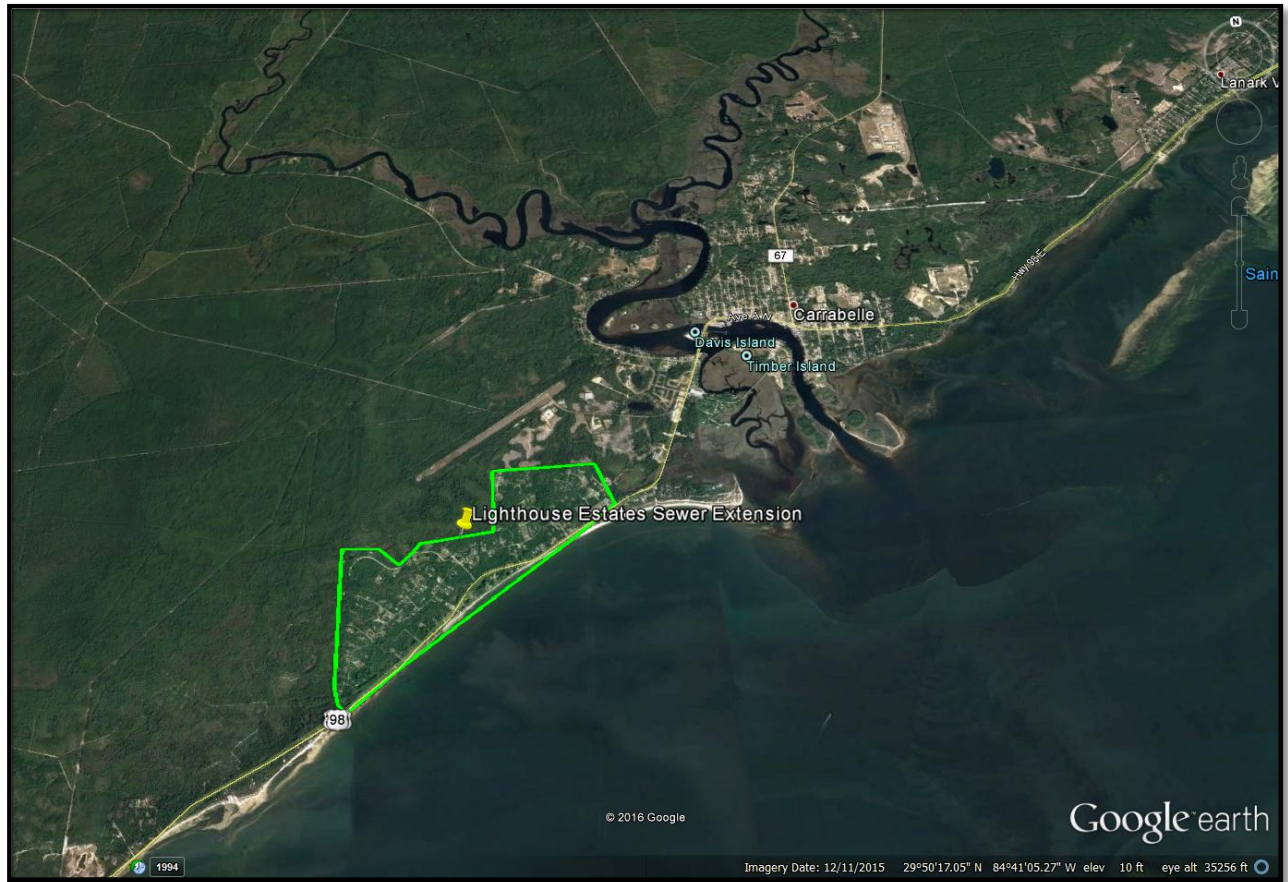


Figure 3. Lighthouse Estates Sewer Extension