Manchester Waterway Civic Association

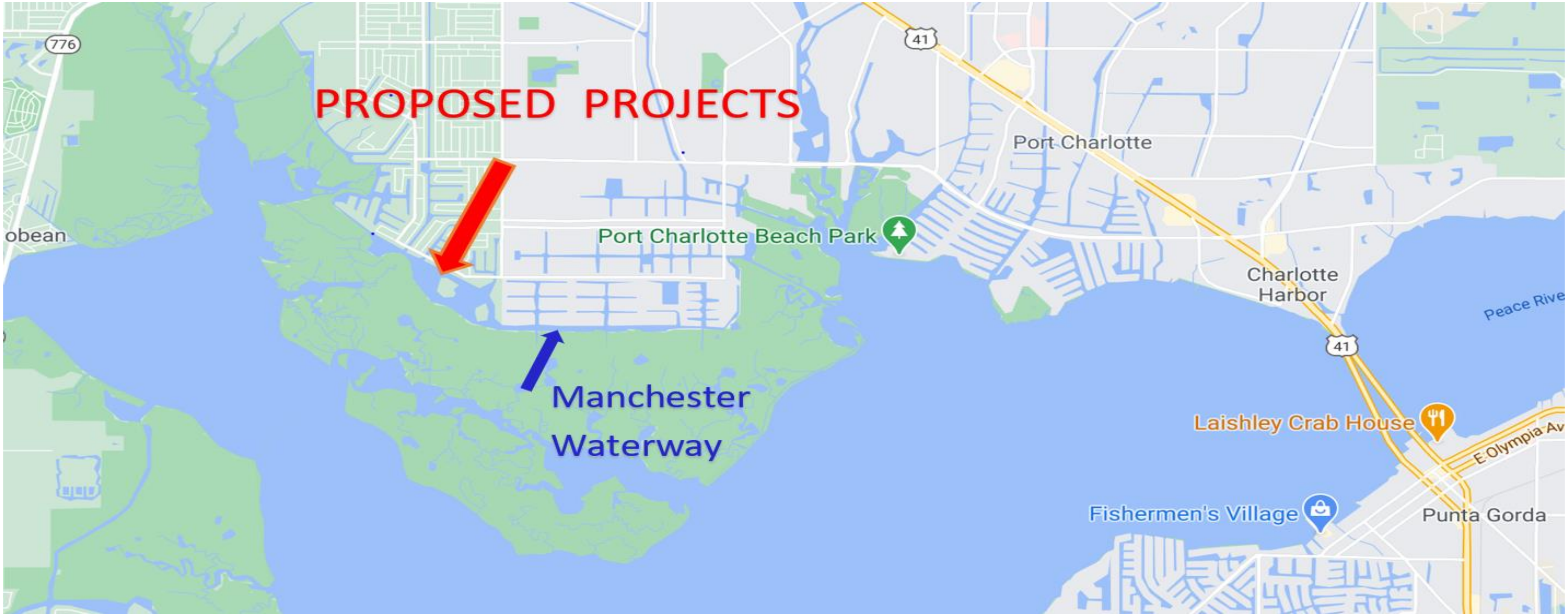
Manchester Waterway

Overview

- **The Manchester Waterway is composed of nearly 8.4 miles of manmade waterway**
- **Provides waterfront accommodations for over 1800 residential parcels**
- **Provides recreational boat and sport fishing access to Charlotte Harbor**
- **Provides habitat to various marine species and aquatic wildlife**

Manchester Waterway

Project Locations



Manchester Waterway Timeline

1950's & 1960's

General Development Corporation (GDC) excavated the Manchester Waterway for residential waterfront development with permit issued by DER (currently DEP).

1978

GDC required to damn-up three naturally existing waterways in the Western end of the Manchester and place a boat lock on the East end of the Manchester.

2007

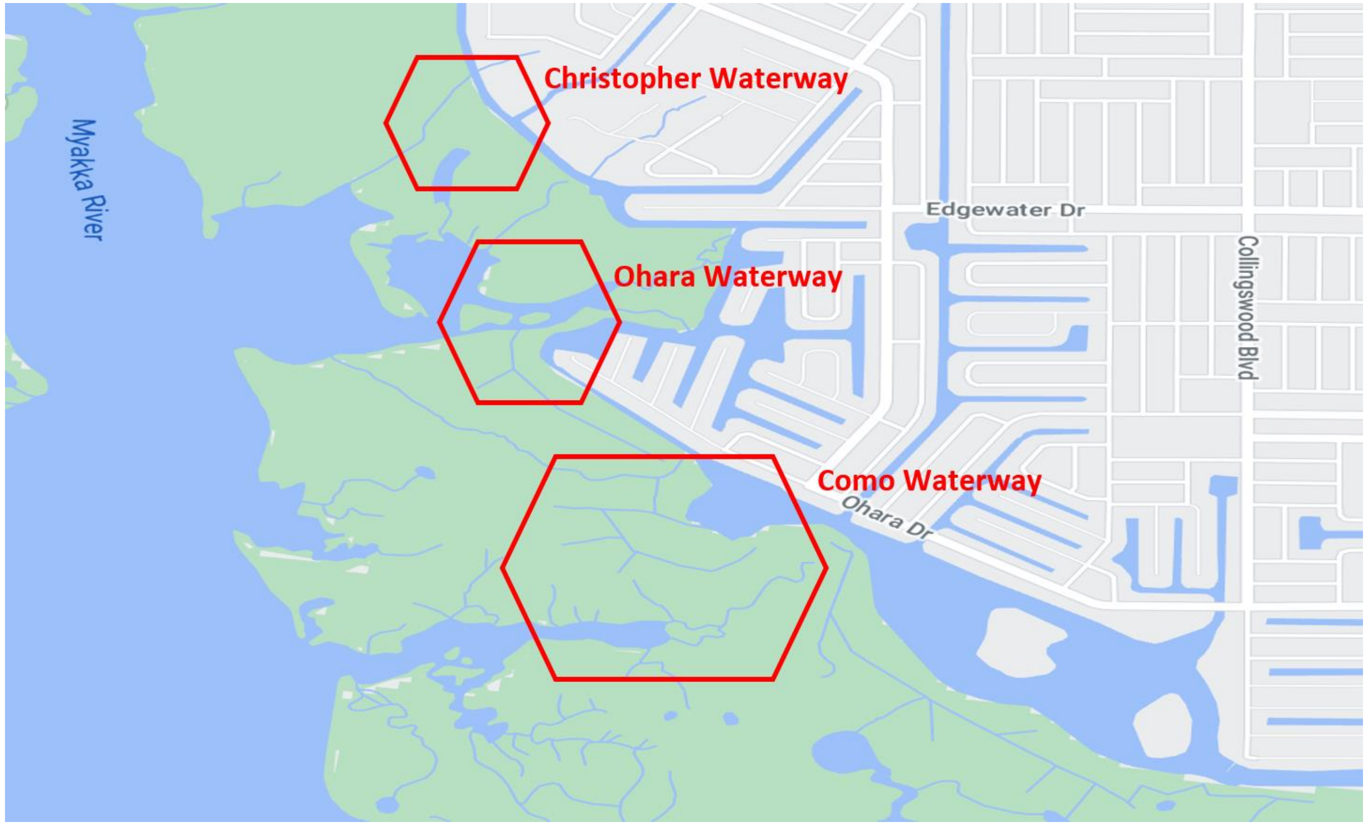
After extensive water testing in the Manchester by MWCA, Charlotte County receives DEP permit to remove boat lock, but the three waterways were overlooked

2018

MWCA acquires Myakka to Manchester Restoration project and through **donations** preforms private Feasibility Study & DEP Water Testing. MWCA is currently self-funding a Flow Study with University of Florida.

Manchester Waterway

Proposed Project Locations



The three natural waterways plugged by GDC 1978 when lock was installed

- **Christopher Waterway to Muddy Cove**
  - Total channel length of 8,297 feet
  - Plugged with 10,000 cubic yards of dredged spoilage
- **O'Hara Waterway to Muddy Cove**
  - Total channel length of 6,546 feet
  - Plugged with 24,000 cubic yards of dredged spoilage
- **Como Waterway into Deerfly Bay**
  - Total channel length of 7,165 feet
  - Plugged with 1,250 cubic yards of dredged spoilage

Manchester Waterway

Christopher Waterway

- **The Christopher Waterway was originally constructed as a navigational inlet as part of the 1970's construction. In 1978 GDC filled plugged the waterway with dredging spoil**
- **Plug length of 530 liner feet**
  - **invasive and nonnative plant and vegetation growth.**
- **Open waterway 740 feet**
- **Additional dredging of 7,527 feet of channel**
- **Total combined length of 8,297 feet**
  - **5,176 of the 8,297 feet of dredging is shared with the proposed O'Hara channel**

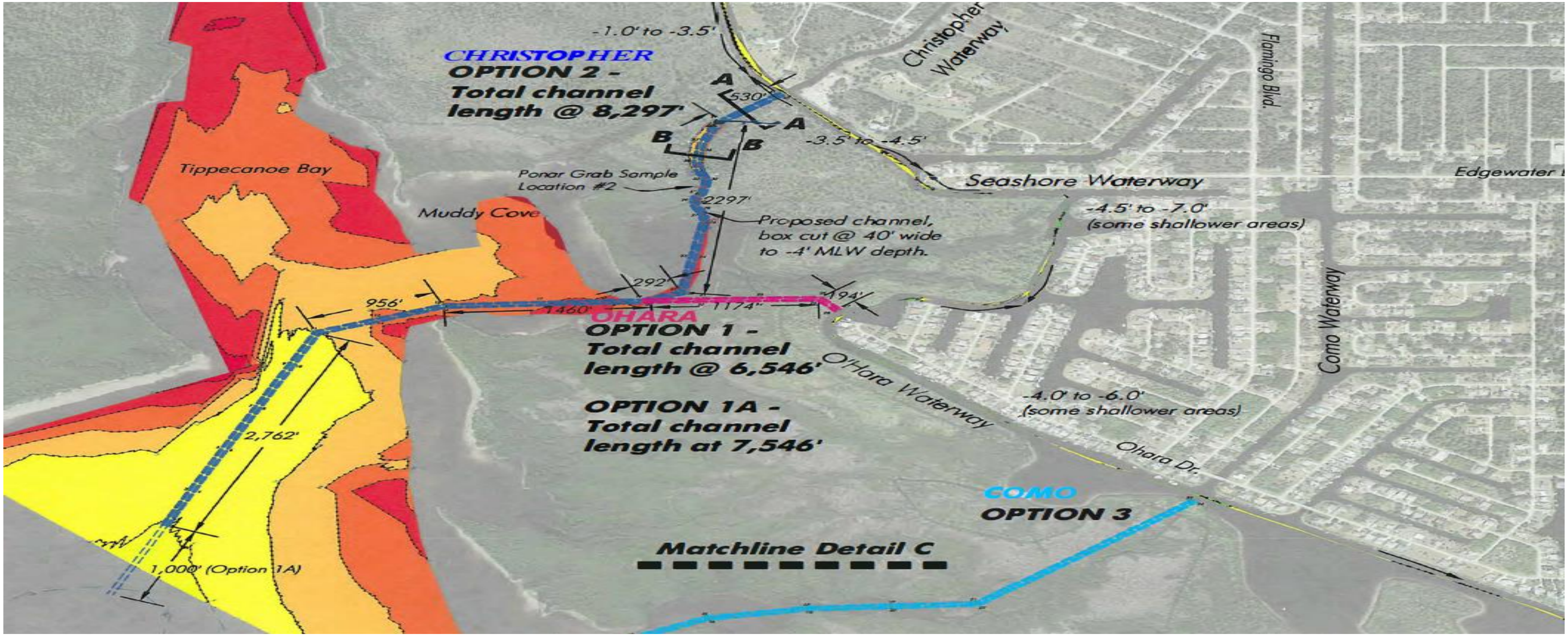
Manchester Waterway

O’Hara Waterway

- **194 liner feet of mangroves and invasive / exotic vegetation removal**
- **411 feet of mangrove impact**
- **1,174 feet of channel dredging to reach the combined Christopher Waterway channel.**
- **Total Channel Length of 6,763 feet**
- **5,176 of the total 6,763 feet of dredging is shared with the proposed Christopher channel**
- **Proposed option 1A**

Manchester Waterway

O’Hara Waterway



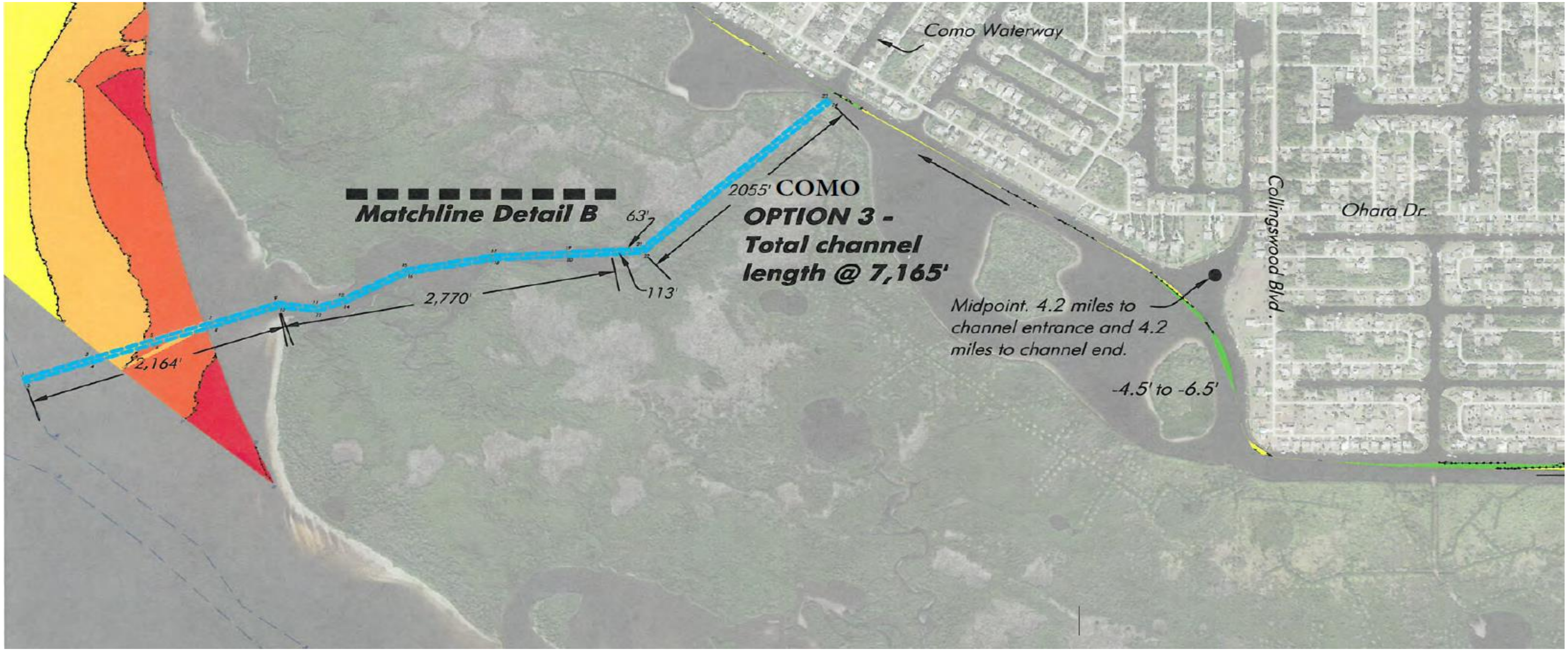
Manchester Waterway

Como Waterway

- **Existing natural water tributary into the Manchester Waterway**
- **Closest to the Manchester Waterway 4 mile midpoint**
- **2,168 feet of mangrove and saltwater marsh wetlands**
- **2,8873 feet of mangrove impact**
- **1,174 liner feet of channel dredging to reach the combined Christopher Waterway channel.**
- **Total Channel Length of 7,165 feet**

Manchester Waterway

Como Waterway



Manchester Waterway

Community Benefits & Expansion

- **Promote growth to over 700 vacant waterfront lots**
- **Increase Charlotte County's annual Property Tax Revenue**
- **Provide relief to boat traffic and water disturbance to the East end of the Manchester Waterway**
- **Reduce noise and boat pollution from prolonged travel distance to open water**
  - **(both air and water pollution)**
- **Improve bio-diversity within the Manchester Waterway**
- **Improve water quality and tidal flow into the Myakka River and Charlotte Harbor**
- **Improve a large variety of fish species and migration**
- **Reduce water temperature which promotes invasive plant growth**
- **Promote flushing to reduce algae growth and drive away aquodic wildlife**
- **Allow increased spawning and environmental habitat for wildlife**
- **Provide communication channel for smalltooth sawfish and Manatees**
- **Provide an opportunity to remove invasive plant growth from plugged waterways**
- **Allow increased spawning and environmental habitat for aquatic animals**
- **Provide emergency and first responders access to West end of Manchester Waterway**
- **Proposed Parks and Recreation boat ramp / launch at Tippecanoe Canoe Park / Midway Blvd & Ohara**

Manchester Waterway

Manchester Water Quality Testing

- **The Manchester Waterway Civic Association has funded water testing within the Manchester**
- **Water samples have been collected and tested in four key locations over the last 18 months**
  - **Manchester East**
  - **Como Waterway**
  - **Ohara Waterway**
  - **Christopher Waterway**
- **All testing either meets or exceeds the Florida Department of Environmental Protection (DEP) protocols for direct comparison and analysis**
- **Test results are evaluated by Benchmark EnviroAnalytical, an independent laboratory, also used by Charlotte County for water testing**