



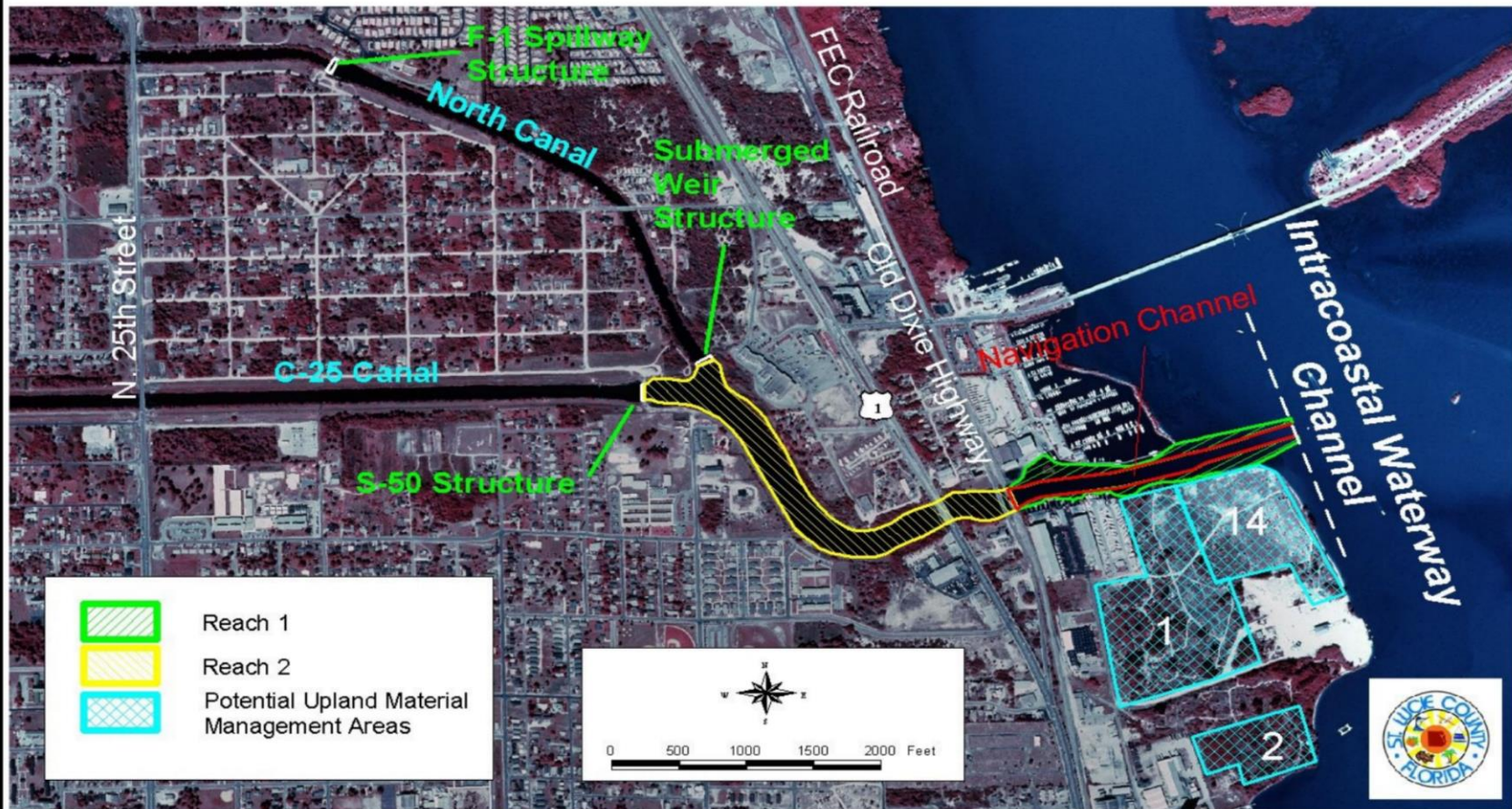
TAYLOR CREEK RESTORATION DREDGING PROJECT

IRL BMAP Annual Update May 27, 2015

St. Lucie County
Florida Inland Navigation District
South Florida Water Management District
St. Johns River Water Management District
Florida Seaport Transportation and Economic Development Council

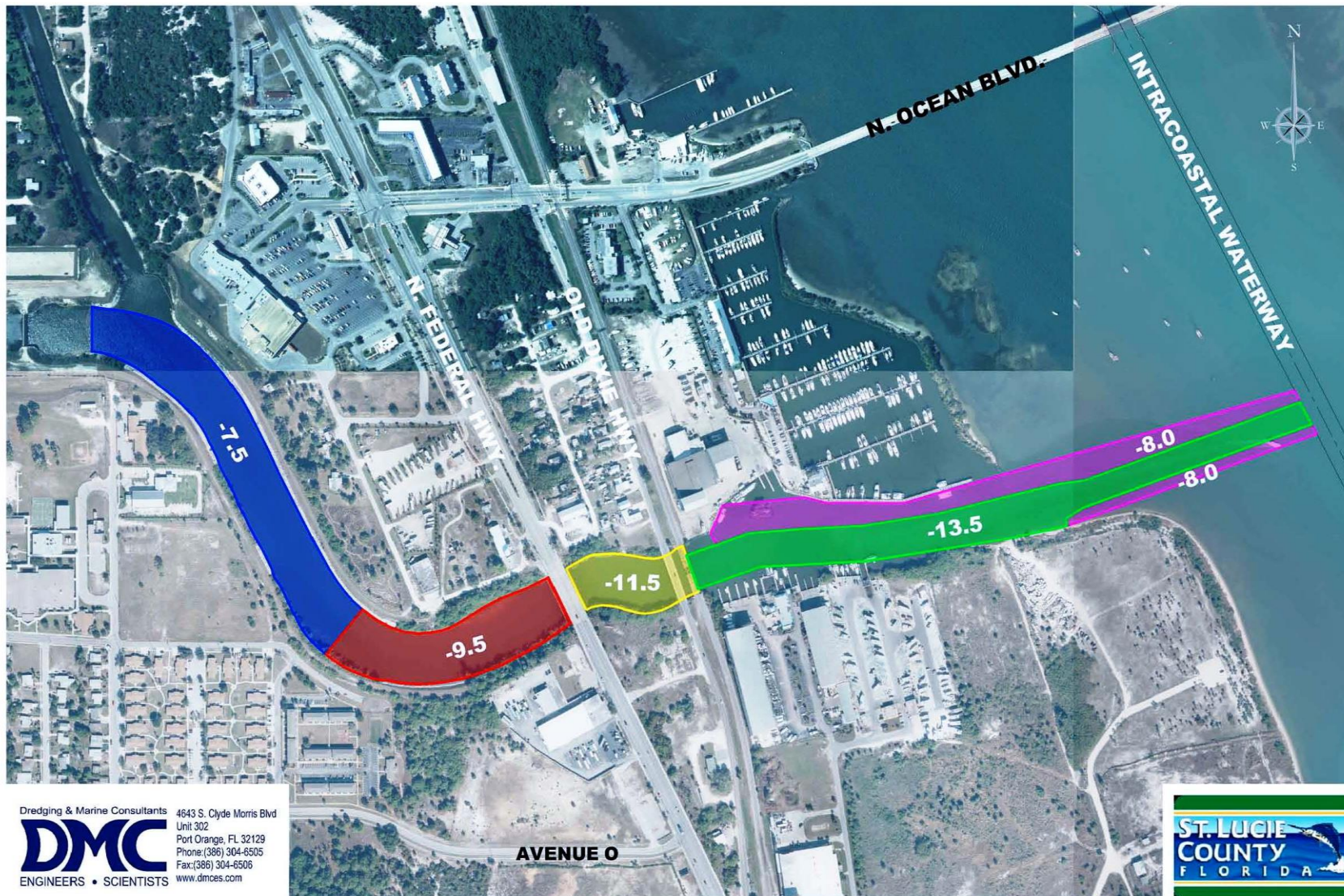


Taylor Creek Restoration Dredging Project St. Lucie County





Taylor Creek – Phasing Plan



Drawing Name: F:\DMC\PROJECTS\2011\Taylor Creek\Reclamation\Design\Phase 2\Drawings\Reclamation\Reclamation.dwg By: cdeh Tel: (386) 304-6506 Fax: (386) 304-6506

Dredging & Marine Consultants
DMC
ENGINEERS • SCIENTISTS
4643 S. Clyde Morris Blvd
Unit 302
Port Orange, FL 32129
Phone: (386) 304-6505
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www.dmcscs.com



SOURCE: AERIAL, NAUTICAL LAB 16; DATE: 2011



Taylor Creek – Phasing Plan

- Phase 1 - Navigation Channel (*reach 1*)
94,770 c.y. Muck Dredging
(completed in 2004, \$2.8 million)
- Phase 2 - Upstream (*reach 2*) 100,000
c.y. Muck Dredging. (\$3.5 million)
- Phase 3 - Shoreline Stabilization
(*reach 2*) & Source
Control (completed in 2007, \$1.5
million)









Taylor Creek Shoreline Repair



← Before

After →





Taylor Creek Shoreline Repair



← Before



After →



Taylor Creek – Upstream Reach





Pipeline Route





Dredging Operations in Taylor Creek



Fusing dredge pipe along Cherokee Avenue



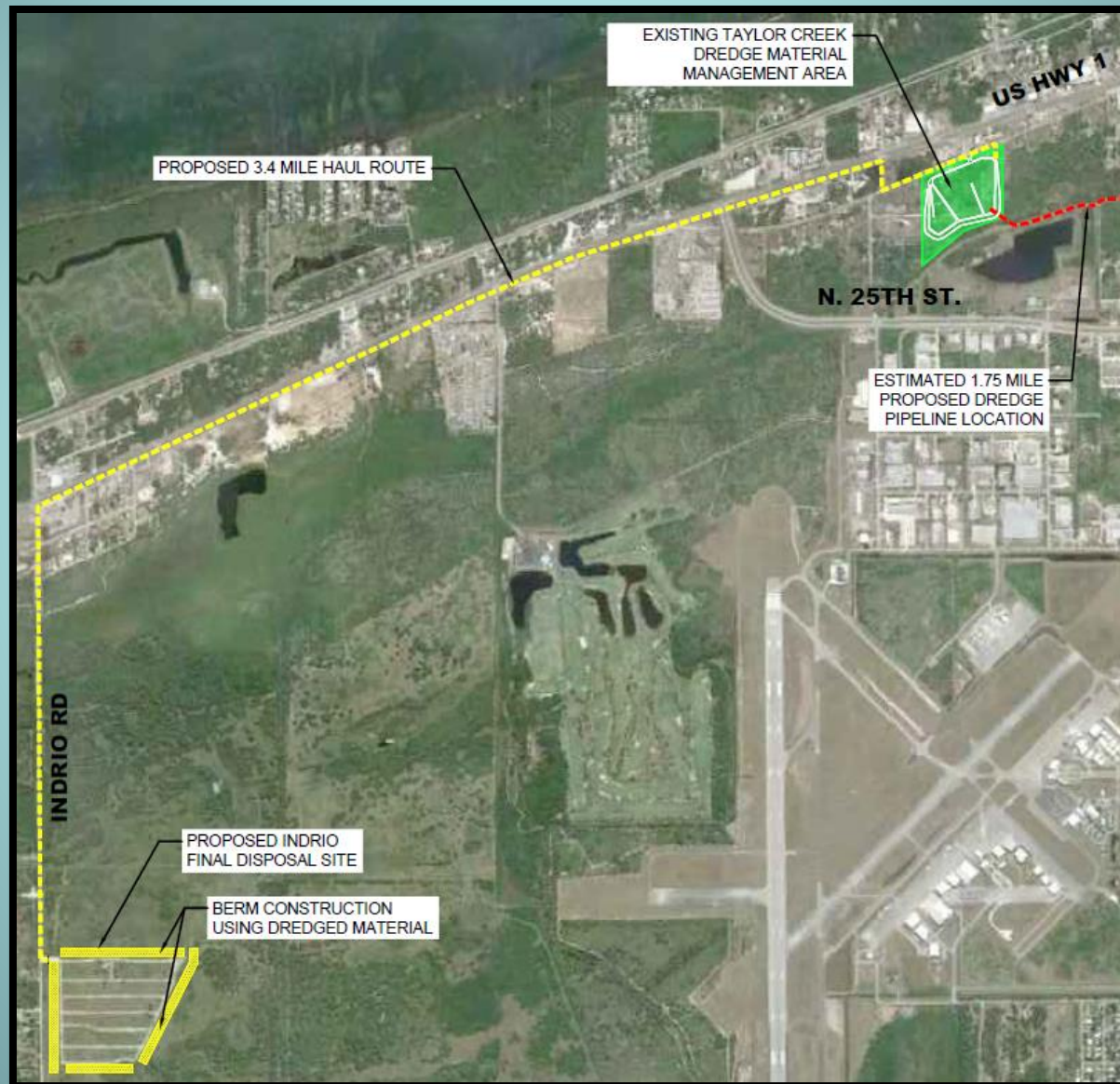
St. Lucie County Spoil Site





Dredge discharge pipe at Disposal Site

Muck Disposal Plan & Haul Route





Lessons Learned!

- Polymer works really well, but...
- Public Perception is very powerful!
- Not as much material as anticipated.
- < 10 % Organics? Silica the largest component.
- Drying and Moving the toughest part.
- Muck deeper furthest away from the structure.

Project Completion

December 15, 2014