Collaborative Restoration of Coastal Wetlands

February 20, 2024

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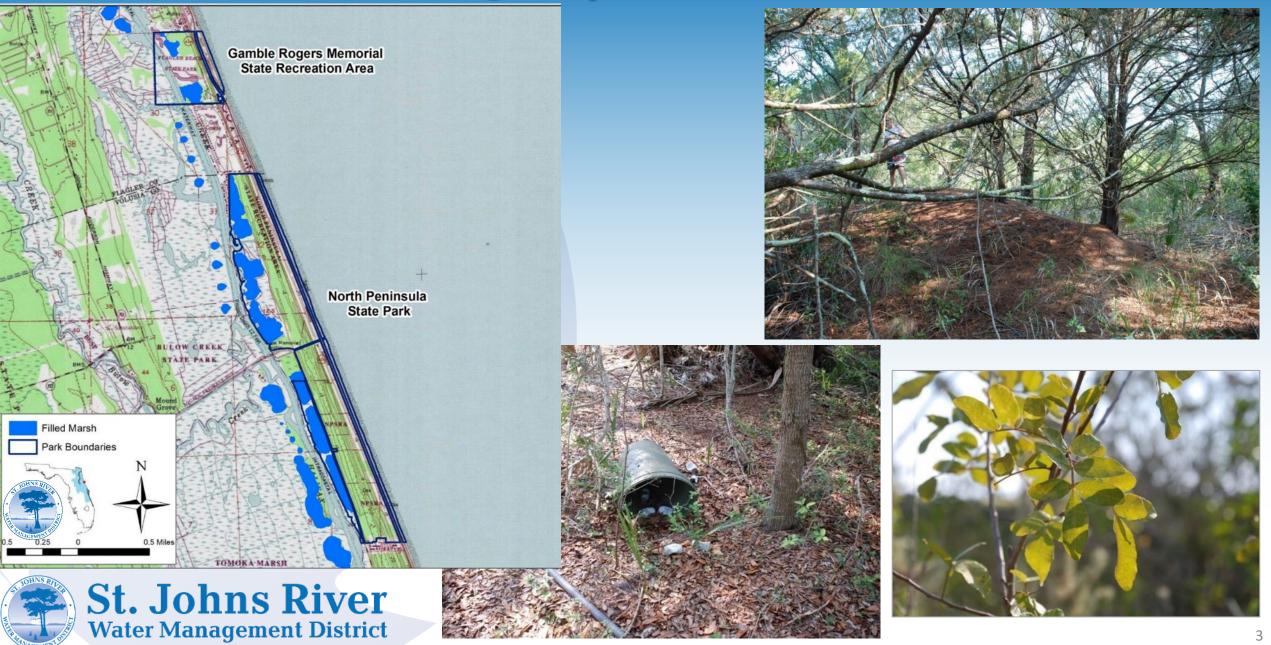


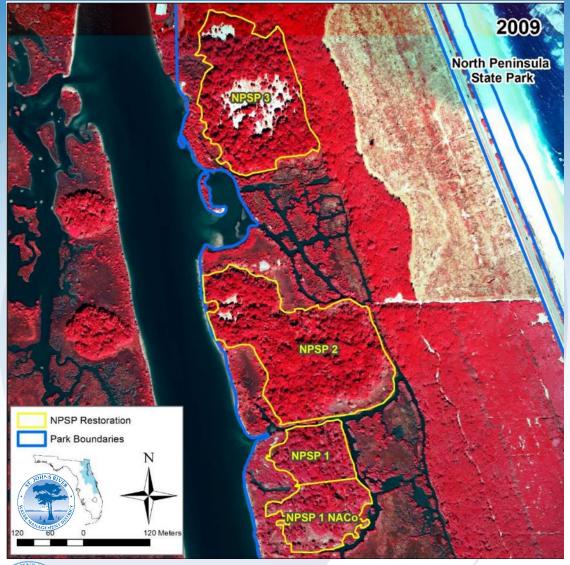
Coastal Wetland Impacts

- Agriculture (grazing, other cultivation, firewood, charcoal)
- Oil field development
- Filling (sometimes with dredging)
- Ditching
- Impounding



Dredge Spoil Removal









St. Johns River Water Management District











St. Johns River Water Management District



The man in the second

Feet

Tidal Creek Sketch









St. Johns River Water Management District

North Peninsula State Park **Restoration Project**

Atlantic Ocean

To Ormond Beach

To Flagler Beach

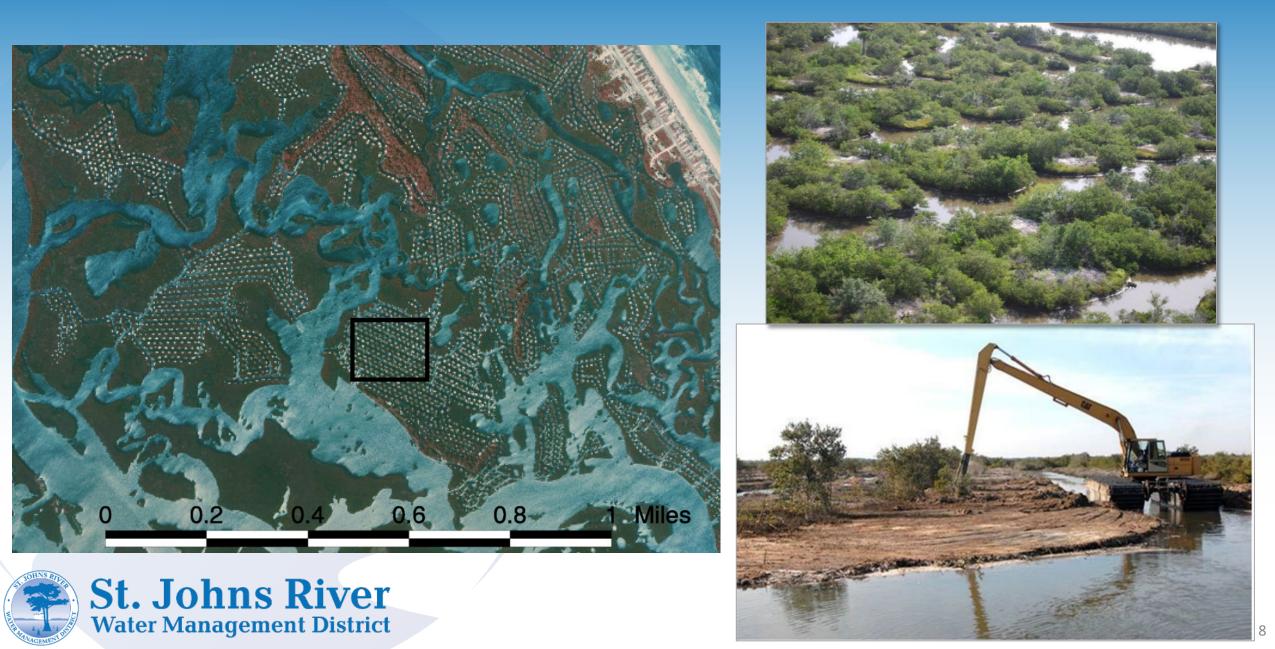
00 acres

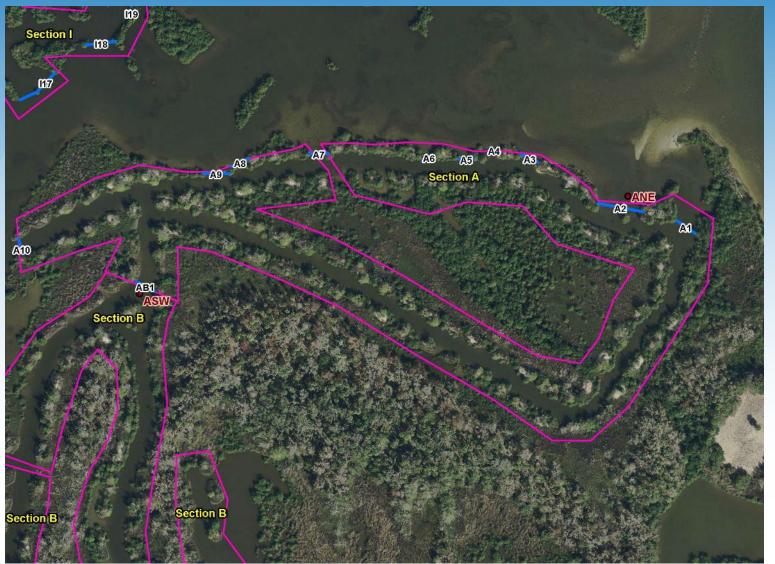
National Oceanic and Atmospheric Administration **Coastal Wetland Restoration Grant** Floridan Resource Conservation & Development Council, Inc. Marine Discovery Center

0.125

Restoration Phases Phase 1 Phase 2 Phase 3 Phase 4 Phase 5 \frown Phase 6

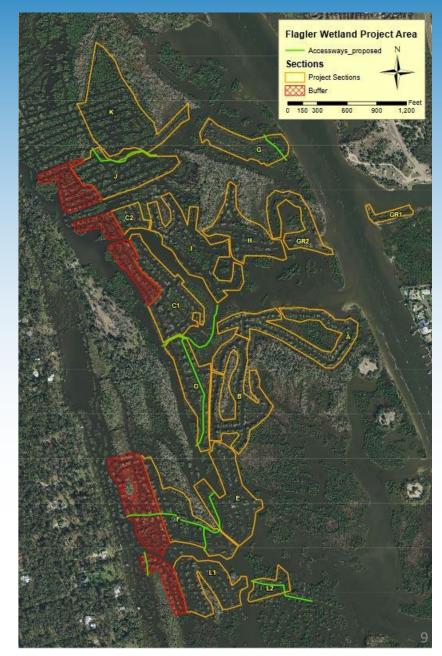
Dragline-impacted Wetland Restoration







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Leveling restored areas

Areas returned to wetland elevation











Dragline-impacted Wetland Restoration

Ditches near C-8 Impoundment January 2008

~ 800 acres



Ditches near C-8 Impoundment November 2018

Impoundments



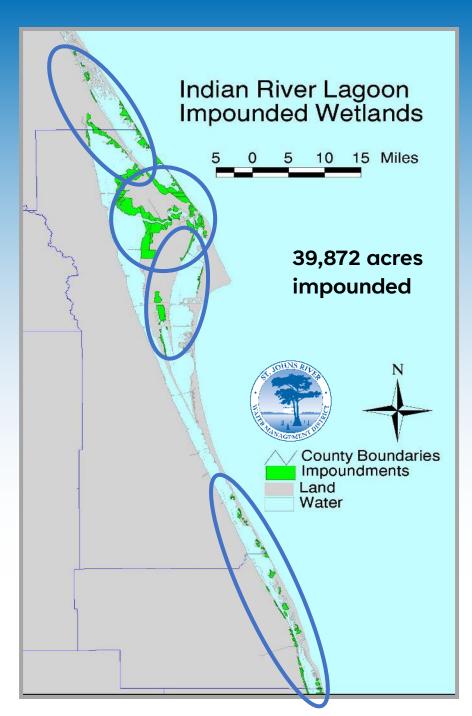
Coastal Wetland Solutions



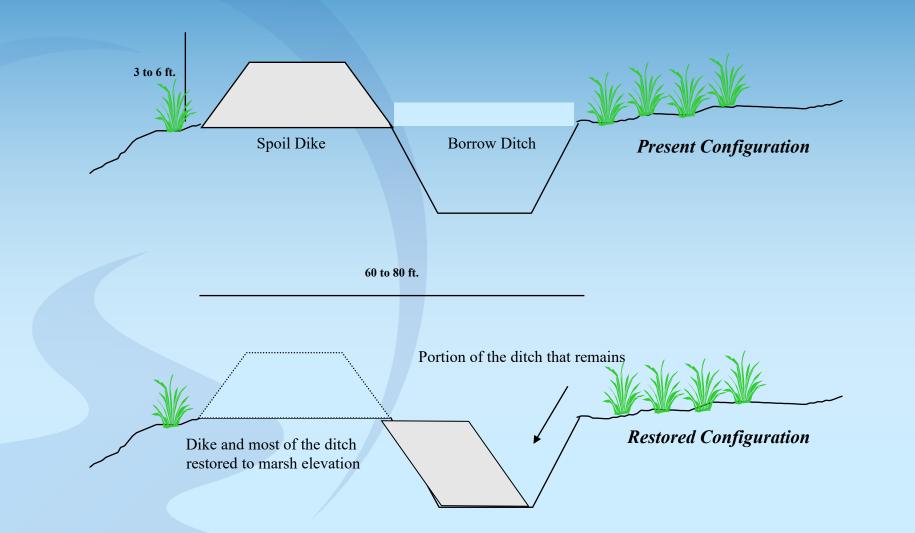
6,956 acres

Remaining:

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Dike Removal Technique



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Impoundment Dike Removal



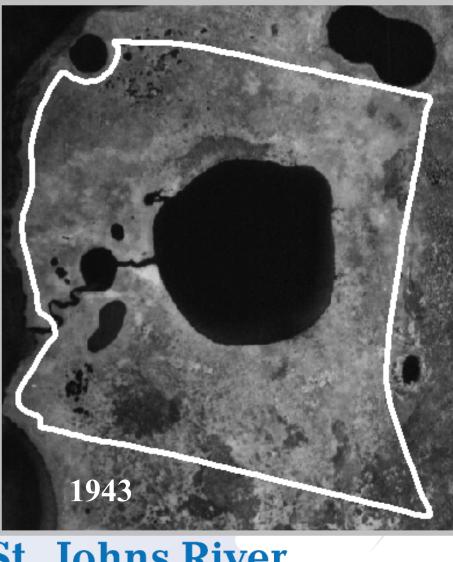




Impoundment Dike Removal



Photo Comparison of T-10-D





St. Johns River Water Management District



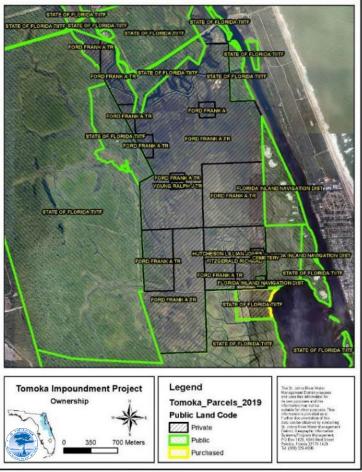
Filling Subsided Wetlands







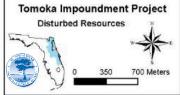
Tomoka Impoundment Area Restoration







Legend





Source:X1EDIACB/projecteDisturbert Aleastmod/Tarroka, imp. update mid. Time 5/19/2020 317:07 PM

Legen Park Dound OPTIMUM BOUNDARY MAP? BULOW CREEK STATE PARK

Tomoka Impoundment Area Restoration



~7 miles of dike ~200 acres of dragline ditch ~20 acres of spoil ~500 acres subsided

2017



Questions?

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Bringing Back our Coastal Wetlands <u>https://storymaps.arcgis.com/stories/e4d0f606c20240999f92fa76fe9e6e86</u>

