

S12-D Flow-way Maintenance

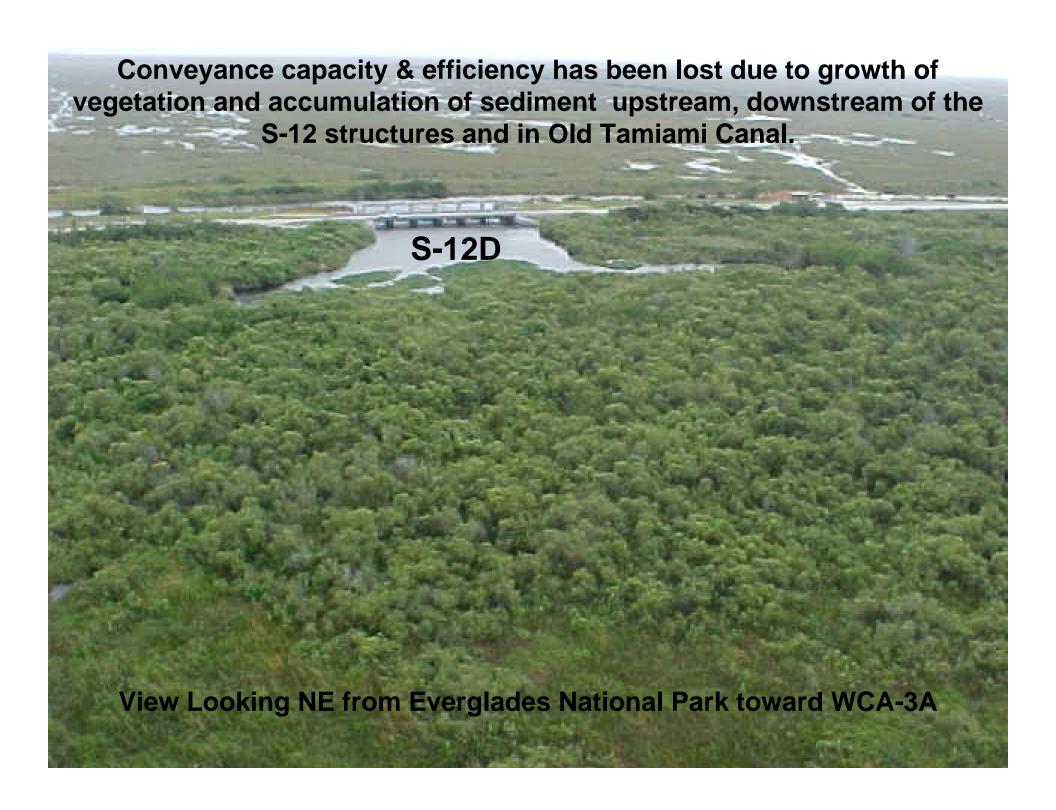


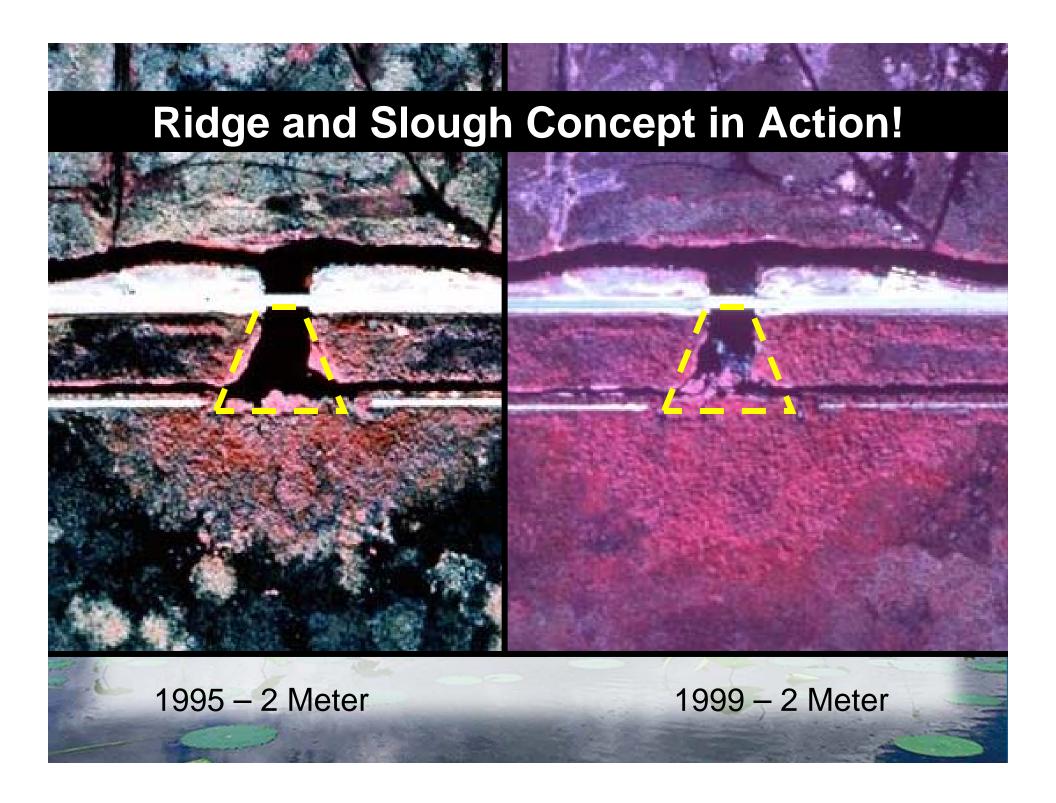
Overview

- Collaborative effort between SFWMD, USACE, and ENP.
- S-12D chosen because there are no operational constraints.
- Only maintenance canal cleaning and vegetation management— no new works or design modifications proposed.
- Need for routine maintenance at the S-12 structures and in the Old Tamiami Canal.

Overview

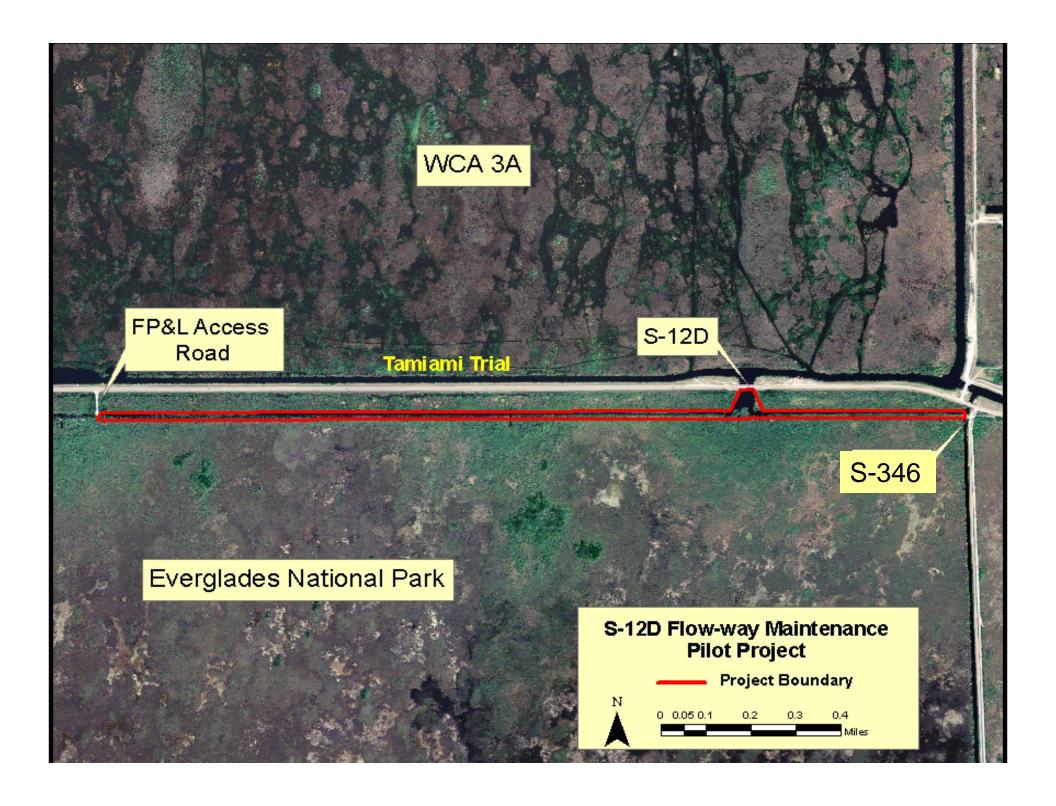
- Vegetation and sediment has accumulated in the upstream & downstream flow-way and in the Old Tamiami Canal.
- Flow ratings for the S-12 system, particularly S-12D, indicate reduced conveyance capacity.
- Flow conveyance restriction primarily downstream (tailwater driven).

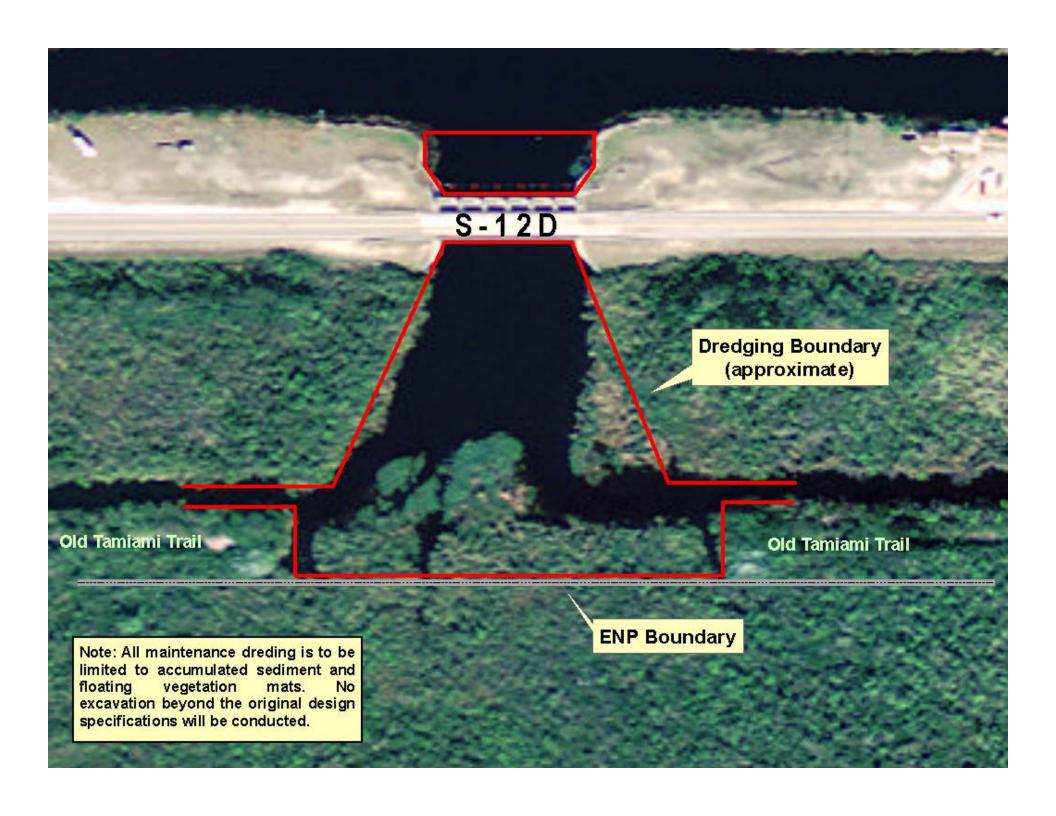




Methodology

- Mechanical vegetation and sediment removal at the S-12D structure and the downstream flow-way to the ENP boundary;
- Invasive vegetation control along the north and south bank of Old Tamiami Trail from S-346 to the FP&L access road;
- Assessment with recommendations on the feasibility of maintenance at the S-12A, B, & C structures will be done.







S-12D Flow-way Maintenance

Current Project Activities:

 Draft plan and inter-agency review 	In progress
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Bathymetry, boundary survey, and ROW analysis Completed

Existing vegetation survey (SFWMD & ENP)
 Completed

Flow monitoring plan (USGS though USACE)
 Completed

Regulatory/Permitting requirements
 Under review

Upcoming Project Activities

 Site preparation for equipment access 	Feb. 2006
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Vegetation removal
 Feb. 2006

Sediment removal
 Mar. 2006

Post-maintenance flow ratings Apr. 2006

Post-maintenance bathymetry
 Apr. 2006

Assessment
 Jun. 2006