

S-12D Flow-way Maintenance



Task Force Meeting
May 18, 2006

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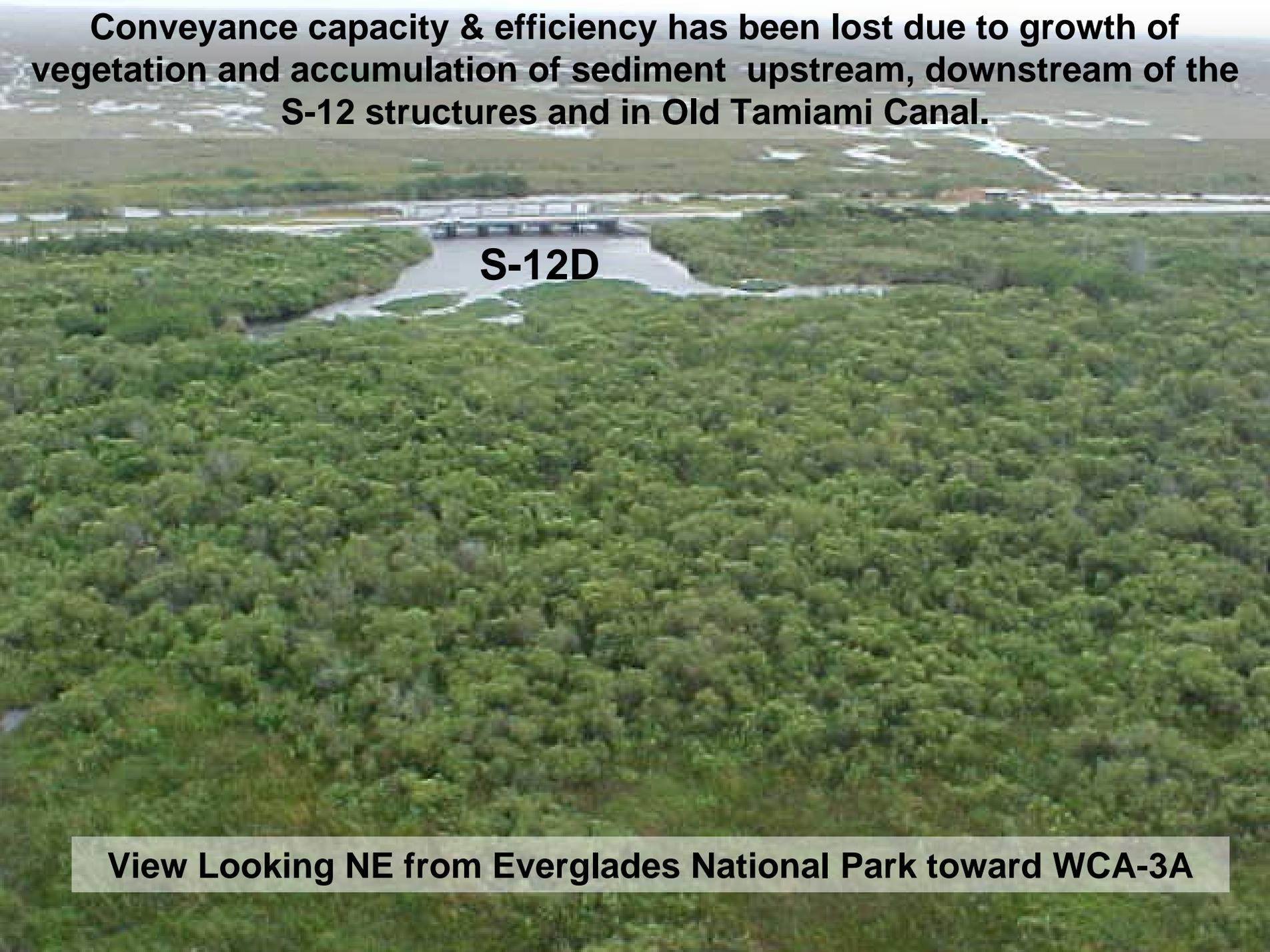
Overview

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

Overview

- Vegetation and sediment accumulation 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).

Conveyance capacity & efficiency has been lost due to growth of vegetation and accumulation of sediment upstream, downstream of the S-12 structures and in Old Tamiami Canal.

An aerial photograph showing a canal structure labeled 'S-12D' in the center. The structure consists of several rectangular concrete blocks across a waterway. The surrounding area is dominated by dense, lush green vegetation, likely mangroves. In the background, there are some buildings and a road. The overall scene illustrates the impact of vegetation growth on the canal's conveyance capacity.

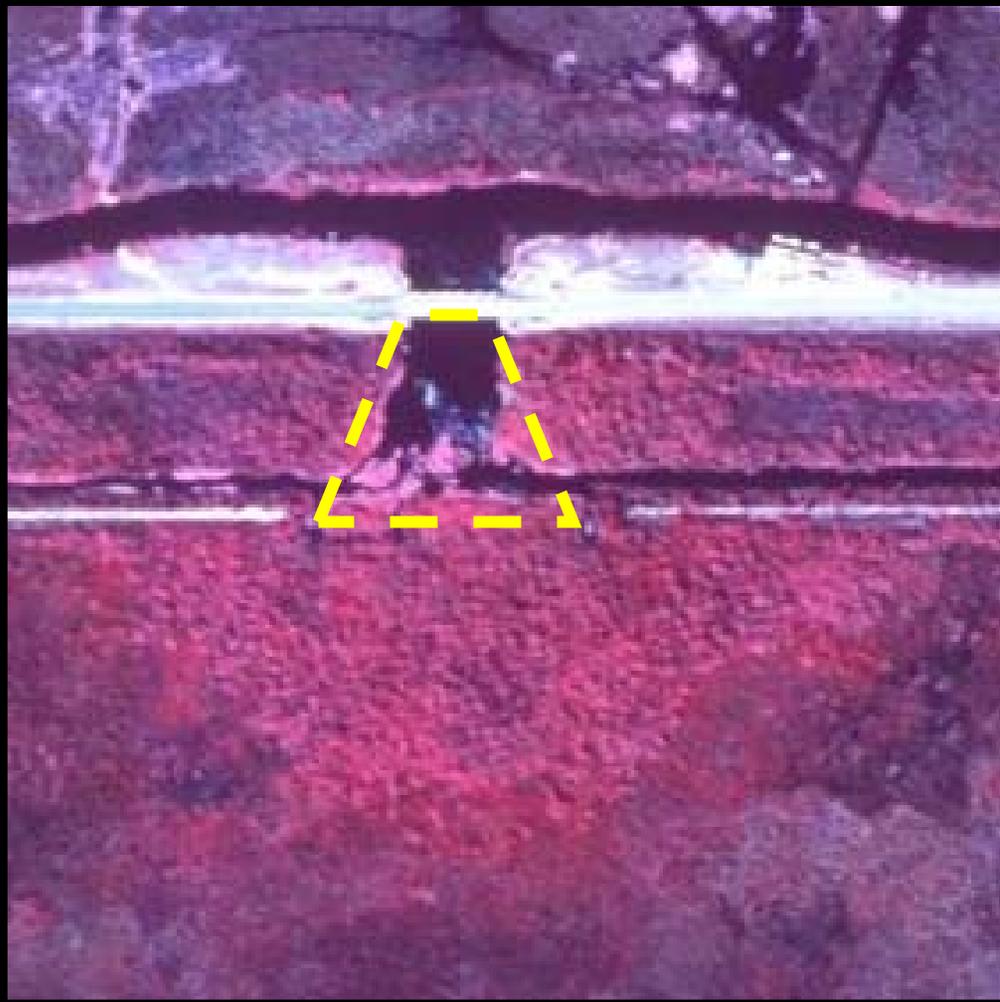
S-12D

View Looking NE from Everglades National Park toward WCA-3A

Ridge and Slough Concept in Action!



1995 – 2 Meter



1999 – 2 Meter

Methodology

- Vegetation and sediment removal at S-12D and the downstream flow-way to the ENP boundary;
- Invasive vegetation control along bank of Old Tamiami Trail from S-346 to the FP&L access road;
- Post-maintenance assessment with recommendations on the feasibility of maintenance at the S-12A, B, & C structures.

WCA 3A

FP&L Access Road

S-12D

Tamiami Trail

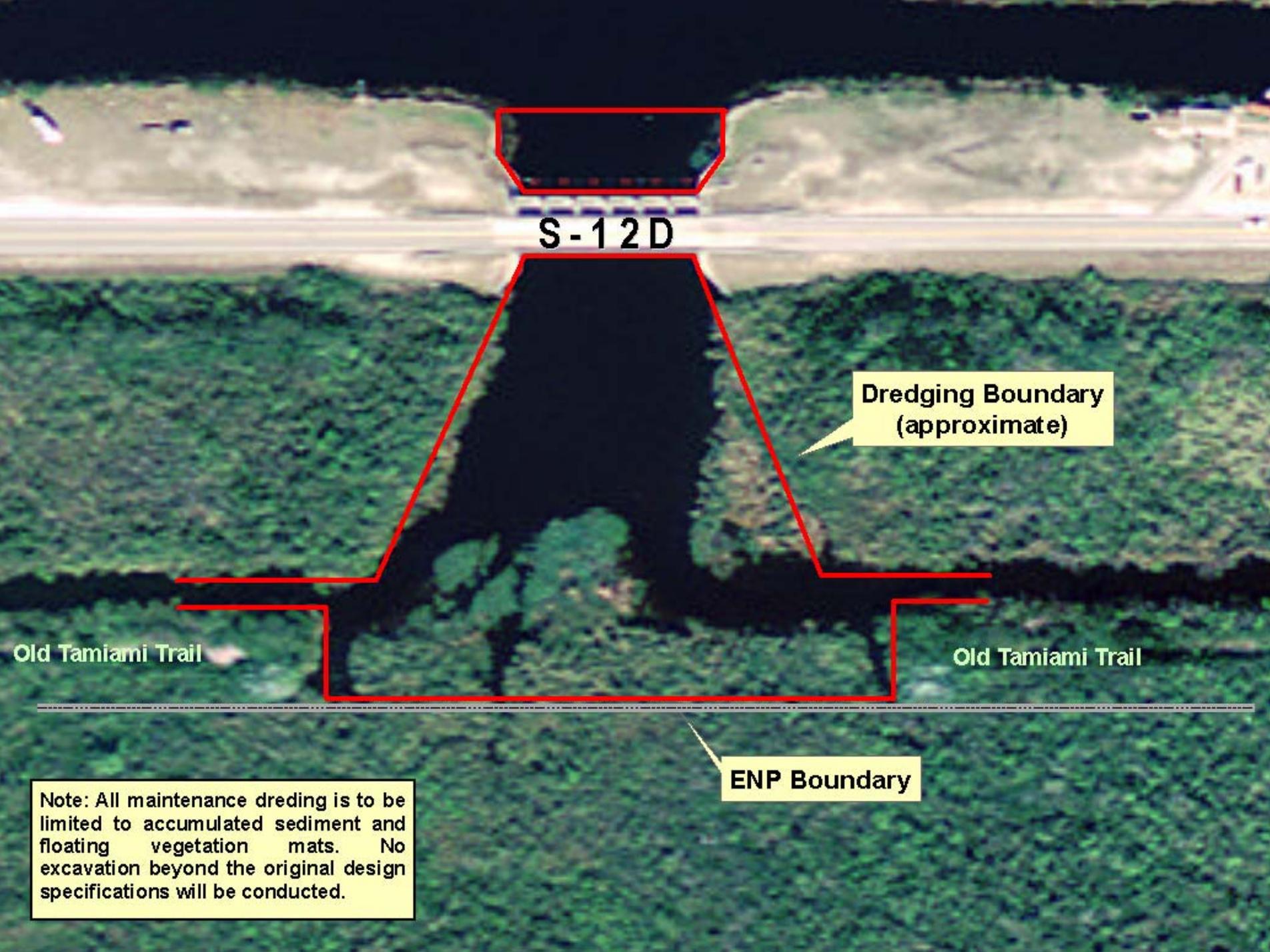
S-346

Everglades National Park

S-12D Flow-way Maintenance Pilot Project

— Project Boundary





S-12D

**Dredging Boundary
(approximate)**

ENP Boundary

Old Tamiami Trail

Old Tamiami Trail

Note: All maintenance dredging is to be limited to accumulated sediment and floating vegetation mats. No excavation beyond the original design specifications will be conducted.



WCA 3A

Spoil Stockpile Site

Temporary Vegetation Disposal Site

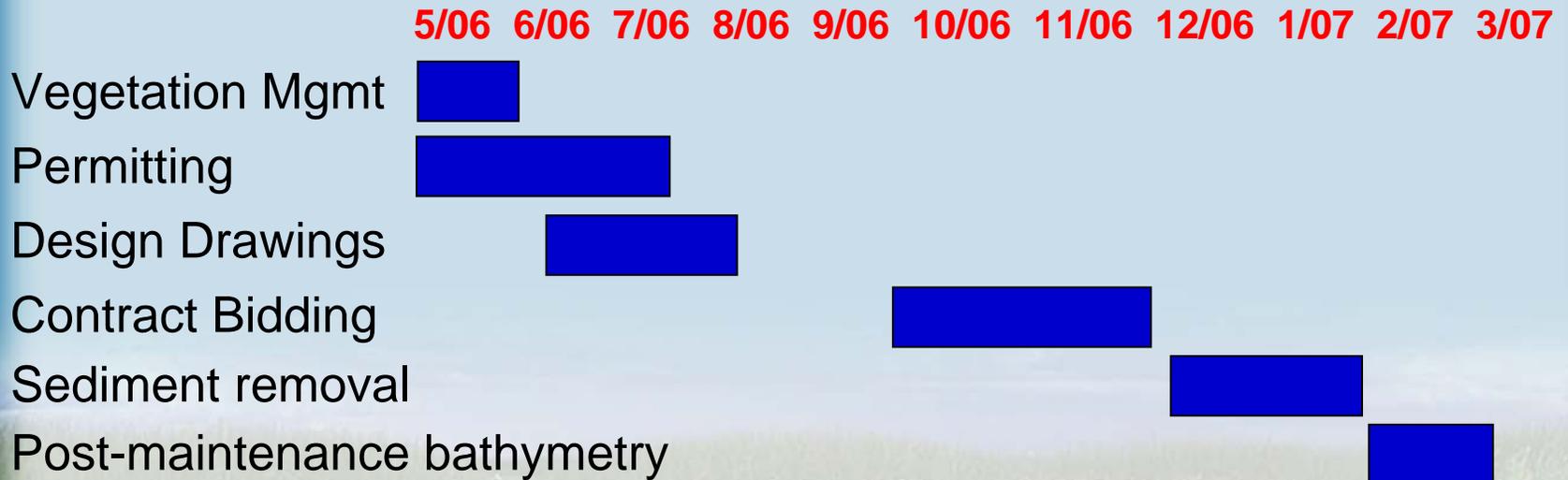
S-12D

Tamiami Trail

Everglades National Park

Barge Staging Area

S-12D Flow-way Maintenance



Questions?

