



C-111 Spreader Canal Project Expedited Construction

July 3, 2008

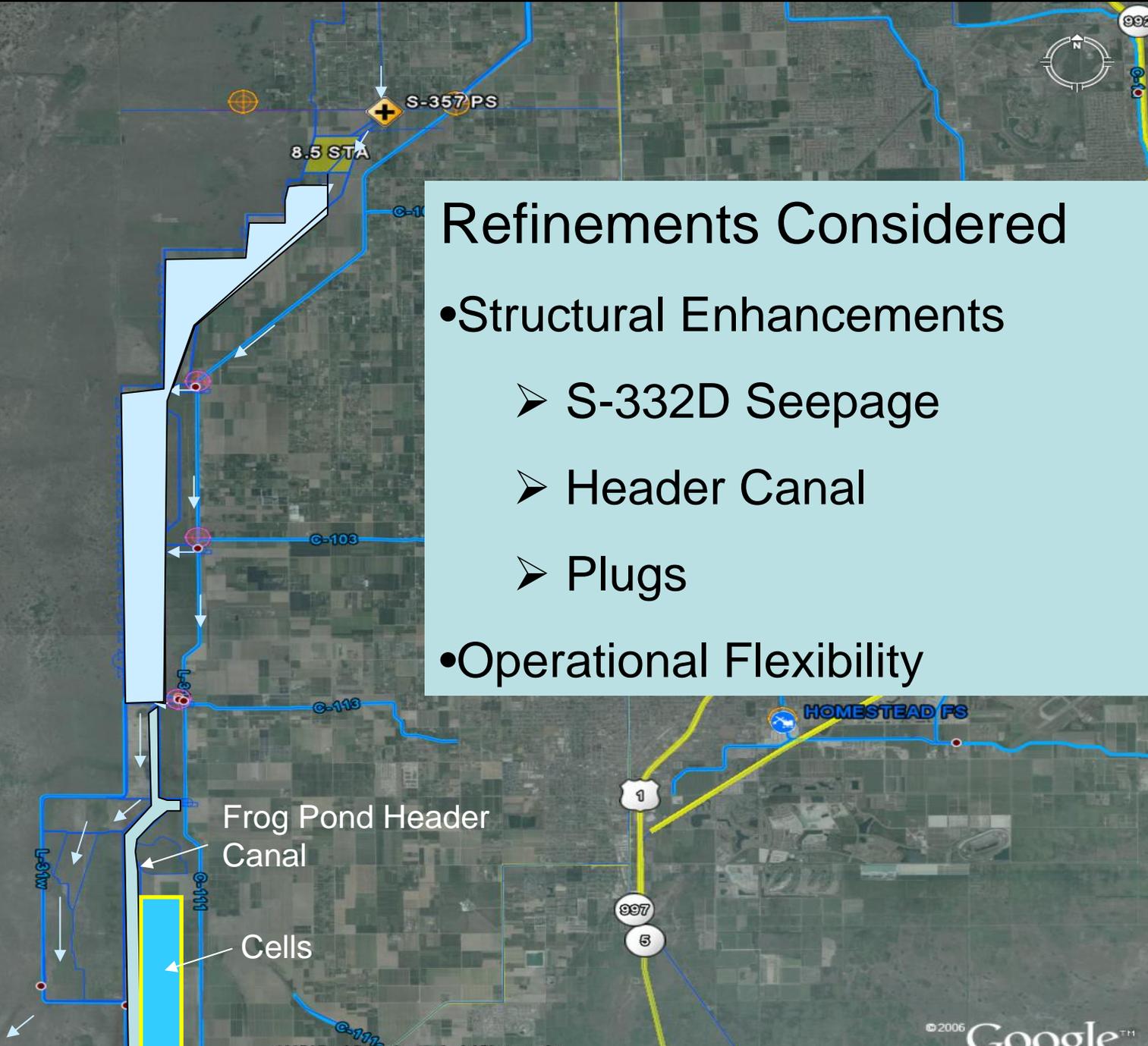
WRAC Presentation

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Everglades Restoration Resource Area



USACE PIR Recommended Plan – Alt 2D



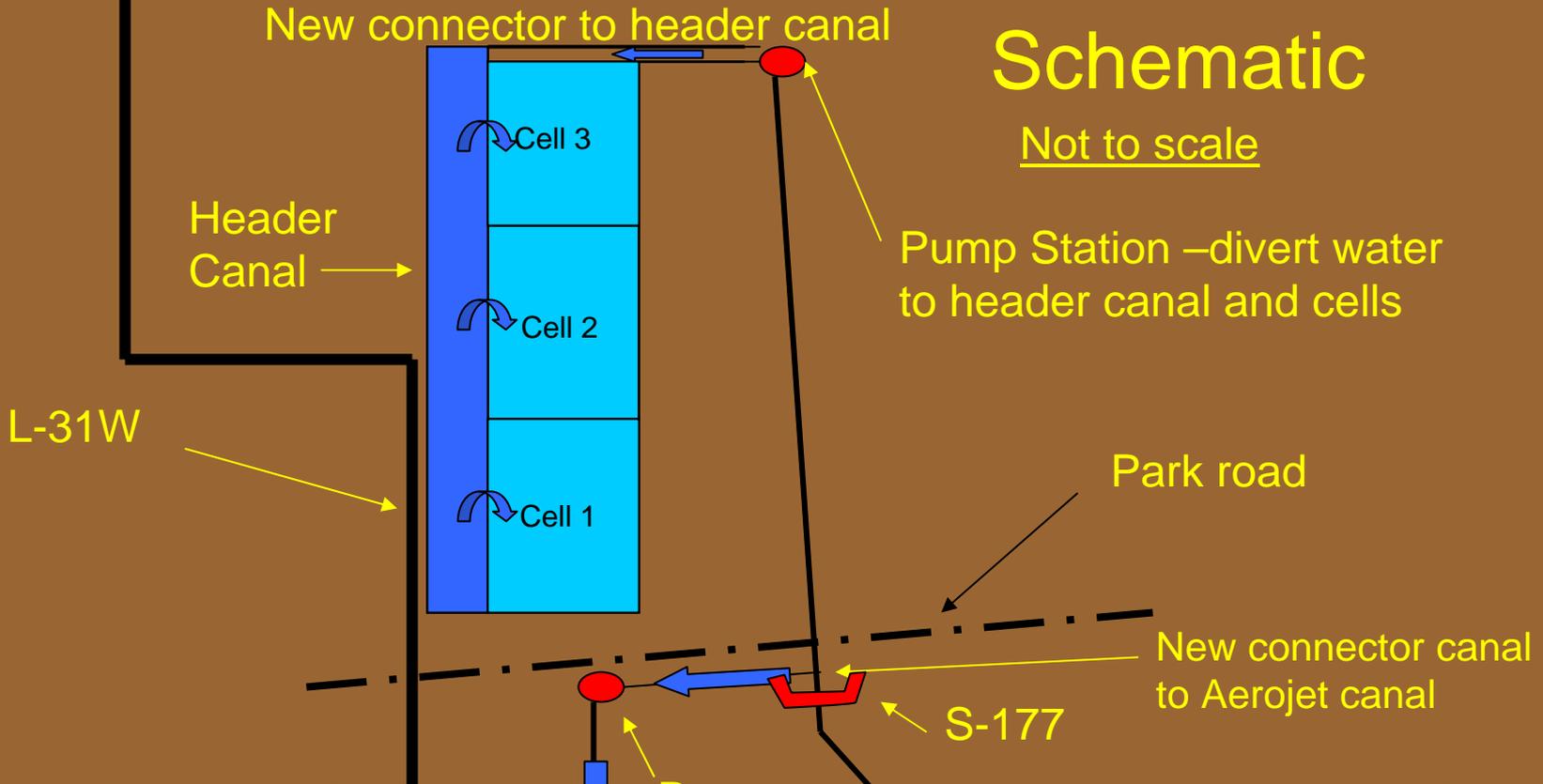


Refinements Considered

- Structural Enhancements
 - S-332D Seepage
 - Header Canal
 - Plugs
- Operational Flexibility

Schematic

Not to scale



Water Control Feature	Existing Operating Conditions	Modified With (Higher) and [Lower] Trigger Conditions
S-177 Open	HW >= 4.2'	Pump On S177 HW >= (4.2') : [3.9'] [0.3' lower]
Close	HW <= 3.6'	S-177 open HW >= 4.5' : 4.2' (0.3' higher)

New S-197 Like

S-197

Performance Summary

Project Components	% Increased Flow to Taylor Slough
Basic Frog Pond and Aero Jet components	15%
Add New S-197	19%
Raise Levels 0.2 ft @ New S-197 or S-18C	25%
Raise Levels 0.5 ft @ S-18C	40%

Linking Operations and Ecosystem Benefits

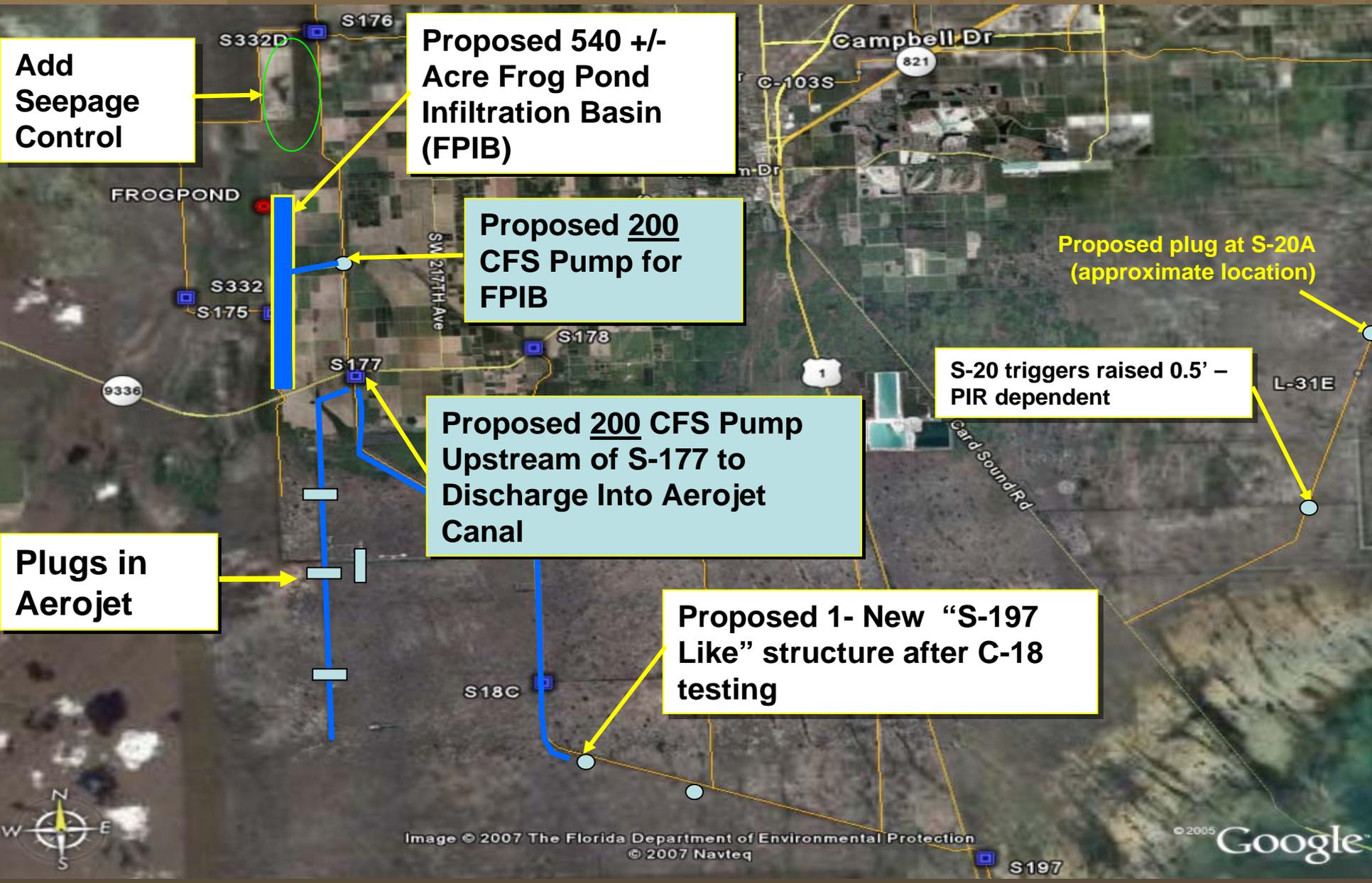
- Establish base set of operations commensurate with benefits that justify the project
- PIR provides NEPA coverage to deviate operations from the recommended base operations; test and measure benefits of different operating regimes
- Extensive monitoring
- Implement permanent operational changes in PIR-2 along with any required mitigation measures (including land acquisition)





Expedited Plan Recommendation

Expedited Plan Components of Alt 2D



Add Seepage Control

Proposed 540 +/- Acre Frog Pond Infiltration Basin (FPIB)

Proposed 200 CFS Pump for FPIB

Proposed 200 CFS Pump Upstream of S-177 to Discharge Into Aerojet Canal

Plugs in Aerojet

S-20 triggers raised 0.5' - PIR dependent

Proposed 1- New "S-197 Like" structure after C-18 testing

Proposed plug at S-20A (approximate location)



Risks

- PIR-1 planning effort still undergoing some changes – final may be different version of Alt-2D (State may not get full credit for the expedited components)
- SFWMD Expedited Plan could provide critical design feedback for detailed design changes for PIR-1 (post Authorization)
- Implementation of the expedited plan in increments (such as raising water controls) will produce varying increments of ecosystem benefits that may be different from the PIR-1

Opportunities

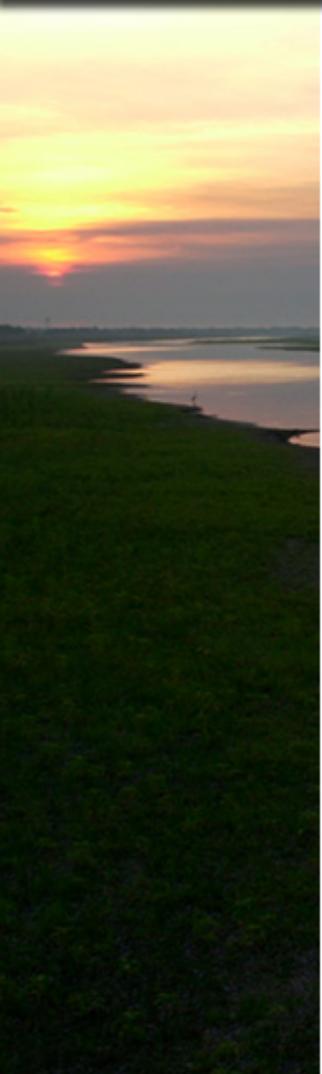
- Expedited plan provides significant learning
- Early benefits and identification of potential problems
- Could improve interest and support for CERP
- Provides early design basis for PIR-2



Stakeholder Comments

- **Farming interest concerned increased water level controls will cause flooding**
 - Allow lower canal stages upstream (S-177) to provide more water for Taylor Slough and provide some flood control benefit
 - Lower canal stages upstream could introduce water quality problems
- **Environmental community supports higher water level controls to increase Taylor Slough flow and restore Florida Bay**
 - Concerns regarding incremental implementation
- **Purpose of PIR-1 should be to determine flows required to restore Taylor Slough**
- **Existing South Dade system has diminished flood control protection**
- **S-332D Seepage return should be addressed if possible to improve Taylor Slough water delivery**





Questions