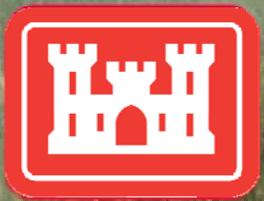


Integrated Delivery Schedule

Working Group Meeting
September 16, 2010



Topics

- **Introduction**
- **Three Themes**
 - Graphical Depiction of the IDS
 - Cost Sharing Issues
 - The Decentralization project
- **Upcoming Task Force Meeting**
- **Discussion**



Introduction



Current - June 2010 (Draft)

Project	Total Project Cost (\$M)	Timeline												
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2023	2025
1 Seminole Big Cypress	\$60	●	●											
2 West Palm Beach Canal/STA-1E	\$318	●	●	●										
3 C-111 Spreader Canal	\$154	●	●	●										
Design Test	\$2	●	●											
Western Project	\$150	●	●	●										
4 L-31N Seepage Management Pilot Project	\$16	●	●	●										
5 C-111 South Dade	\$391	●	●	●										
6 Kissimmee River Restoration	\$636	●	●	●										
7 Modified Water Deliveries to Everglades National Park	\$414	●	●	●										
Tamiami Trail Modifications	\$113	●	●	●										
Conveyance and Seepage Control Features	\$51			●	●									
8 Picavune Strand Restoration	\$448	●	●	●										
Merritt Pump Station	\$65	●	●	●										
Faka Union Pump Station	\$100	●	●	●										
Miller Pump Station	\$75									●	●			
9 Lakeside Ranch STA - Part of the Taylor Creek/ Nubbin Slough Storage and Treatment Area Phase 1	\$105	●	●	●										
10 Site 1 Impoundment	\$109	●	●	●										
Phase 1		●	●	●										
Phase 2			●	●	●									
11 Indian River Lagoon-South	\$1,882		●	●	●									
C-44 Reservoir/STA	\$360		●	●	●									
12 Biscayne Bay Coastal Wetlands	\$595	●	●	●										
Phase 1	\$162	●	●	●										
13 Water Conservation Area 3 Decompartmentalization and Sheetflow Enhancement (Decomp)	\$390		●	●	●									
Decomp Physical Model	\$10		●	●	●									
Decomp Part 1	\$196				●	●								
Decomp Part 2	\$133									●	●			
Decomp Part 3	\$52										●	●		
14 Caloosahatchee River (C-43)	\$977													
West Basin Storage Reservoir	\$595													
15 Melaleuca Eradication and Other Exotic Plants	\$17		●											
16 Broward County Water Preserve Areas	\$901			●	●									
C-11 Impoundment				●	●									
C-9 Impoundment										●	●			
WCA 3A&3B Levee/S-356													●	
17 ENP Seepage Management	\$532									●	●			
18 Lake Okeechobee Watershed	\$1,561													●
19 Herbert Hoover Dike Rehabilitation	\$991	●	●	●										
20 Long-Term Plan for Achieving Water Quality Goals in the Everglades Protection Area Projects	\$1,500	●	●	●										
21 EAA Reservoir/STA	TBD													

● Projects are currently federal construction.

● Projects are currently non-federal construction, subject to change based on funding allocation.

● Construction has started on these projects.

14 June 2010

Current IDS – Challenges, Issues, and Constraints

- Water Quality Litigation
- US Sugar Acquisition/River of Grass
- State/SFWMD Funding Challenges
- Agrochemical Policy Challenges
- Process Challenges
- Changes in Priorities



Graphical Depiction of the IDS



A Special Thanks to...

The Everglades Foundation – their graphics for the June Everglades Summit held in Washington were the inspiration for developing a graphical depiction of the IDS. Their assistance in making those graphics available to us is very much appreciated.





BUILDING STRONG®

US ARMY CORPS OF ENGINEERS | Jacksonville District

IDS Graphical Tool

- **Under development – to be ready for October Task Force meeting**
- **Separate modules with animations of each project of the IDS**
 - Will show location of project on map
 - Will depict project and its effects
 - Will highlight project completion as color change on map
- **Program will provide ability to pre-load a project completion sequence (i.e. IDS) and then run the animations**
- **Program will provide ability to change sequencing**



Cost Sharing Issues

Tom Teets



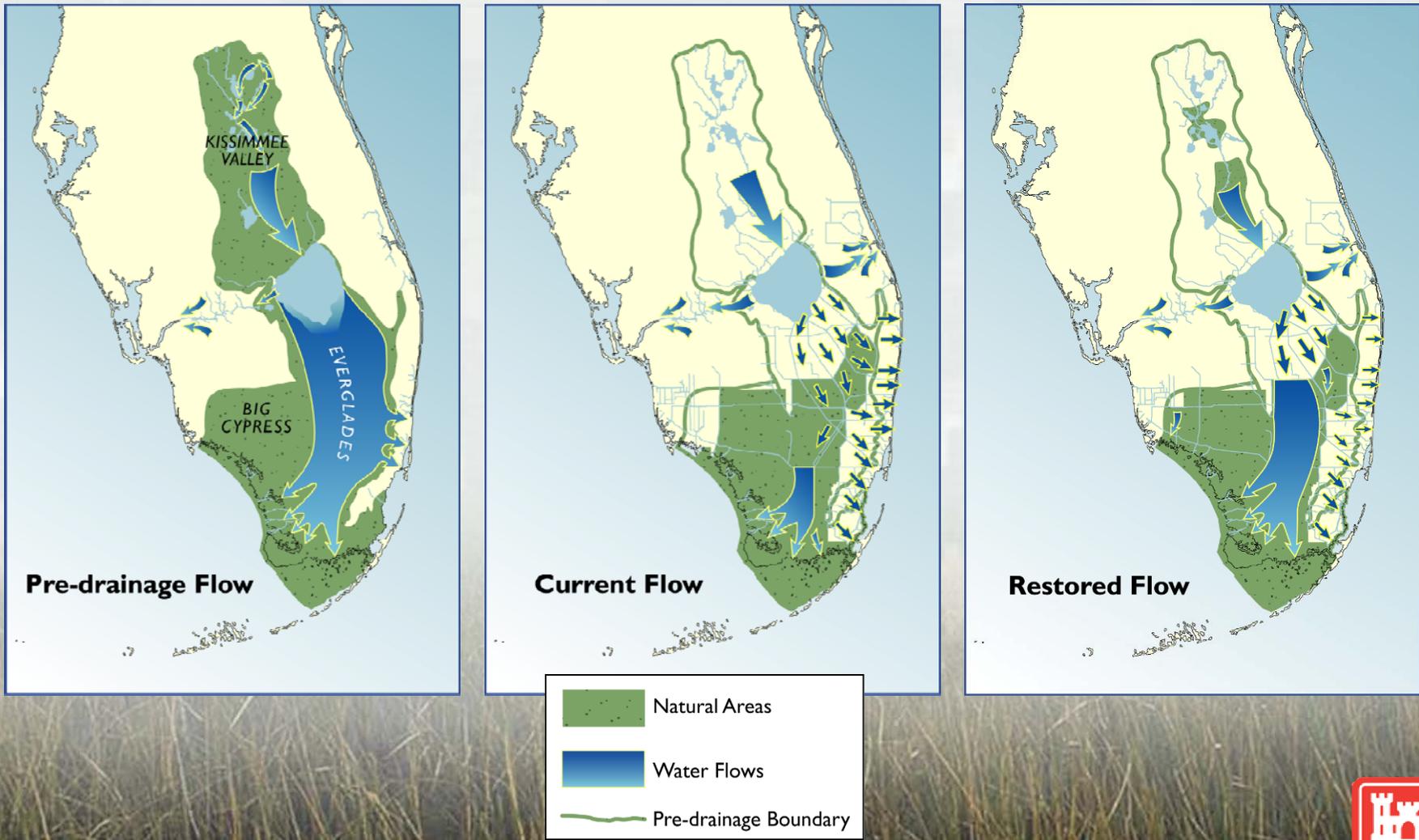
**See separate PowerPoint
prepared by Tom Teets**



The Decompartmentalization Project

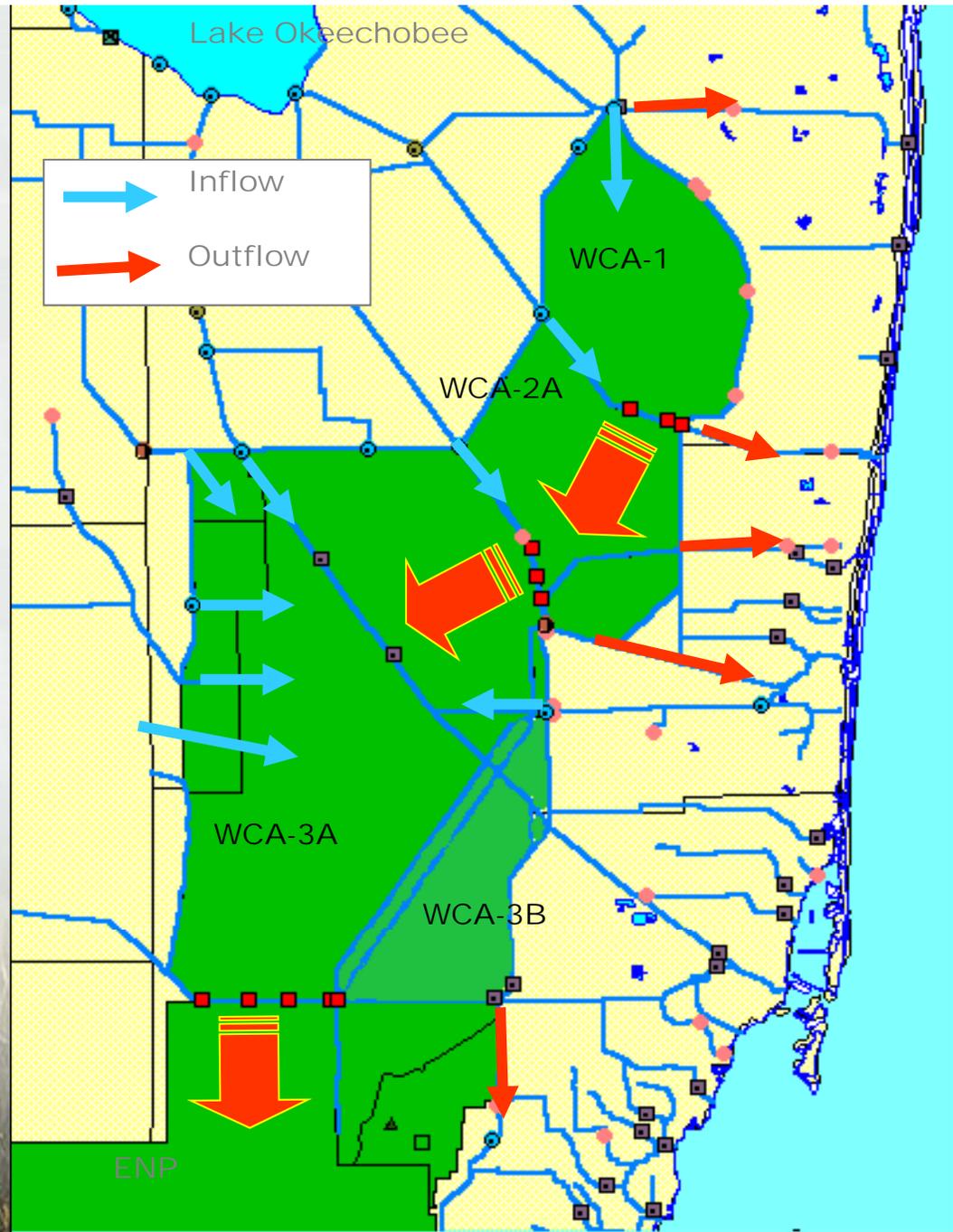


Everglades Restoration Goal



Current Flow Patterns through Everglades

- Major structures within the WCAs discharge south toward Everglades National Park
- Smaller structures discharge east, primarily for water supply purposes
- Flows largely confined to Western Shark Slough
- Little capacity to move water into Northeastern Shark Slough



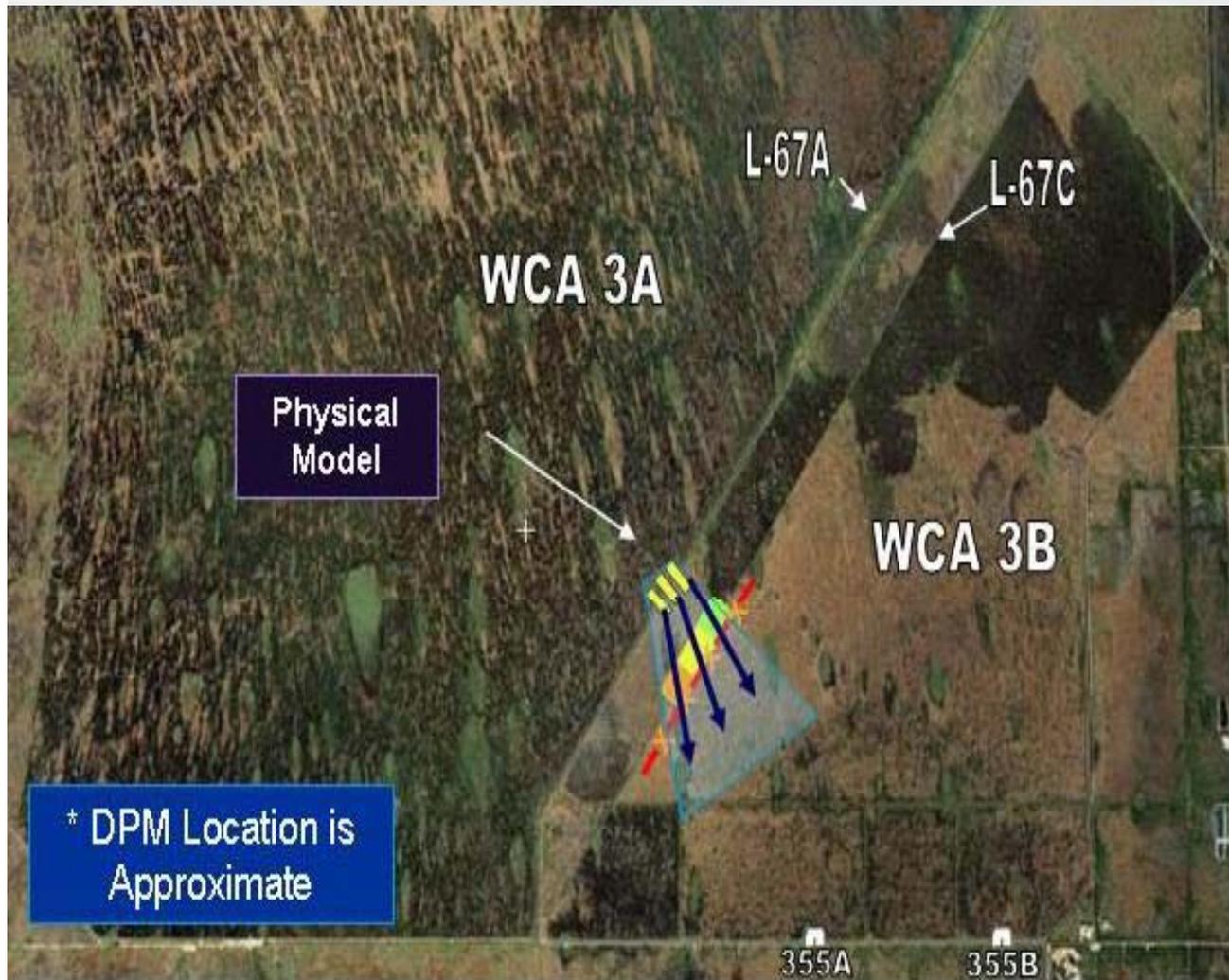
Decomp Project Goal

Restore historical sheetflow distributions, depth patterns, hydroperiods and hydrologic connectivity in the ridge and slough, marl prairie, and rocky glades landscapes, and identify the amount of water to be reserved or allocated for the natural system, thereby creating a sustainable environment suitable for the recovery and long-term survival of native flora and fauna in concert with related projects.

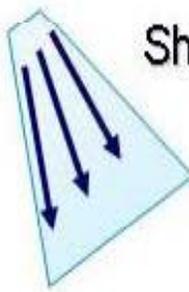


Decomp Physical Model (DPM)

Field test to address uncertainties associated with PIRs 2 and 3
Installation beginning August 2011

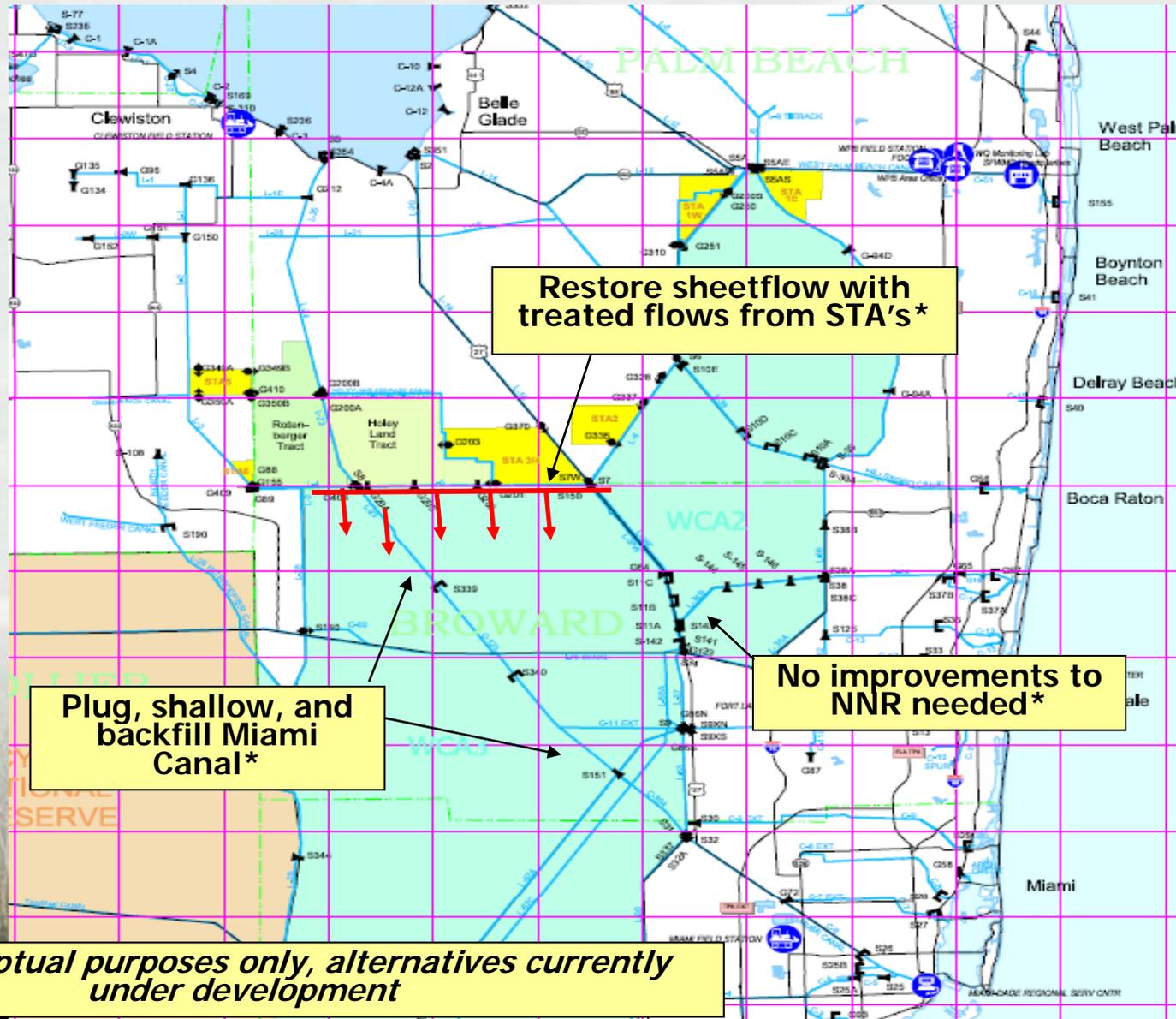


Conceptual Design

-  Temporary Gated Culverts
-  No Backfill
-  Partial Backfill
-  Complete Backfill
-  Sheetflow
-  Levee Degrade

DECOMP Part 1

Miami Canal Backfill & Hydropattern Restoration



**For conceptual purposes only, alternatives currently under development*



Decomp 1 – Current Status

■ PIR 1

- Feb 2010: Hydropattern Restoration Feature added to scope
 - Nov 2010: Final Array of Alternatives Developed
 - Sept 2011: Tentatively Selected Plan Decision
 - Jun 2012: Alternative Formulation Briefing
 - Nov 2013: Draft PIR/EIS Complete
 - Sept 2014: Final PIR/NEPA Document
 - Nov 2016: Construction begins*
- Current Draft Integrated Delivery Schedule shows Decomp construction initiation 2013
 - Completion of PIR 1 is key to moving forward with restoration of the central glades

* *WRDA 2000 requires MWD completion prior to appropriation of funds for construction of Decomp*

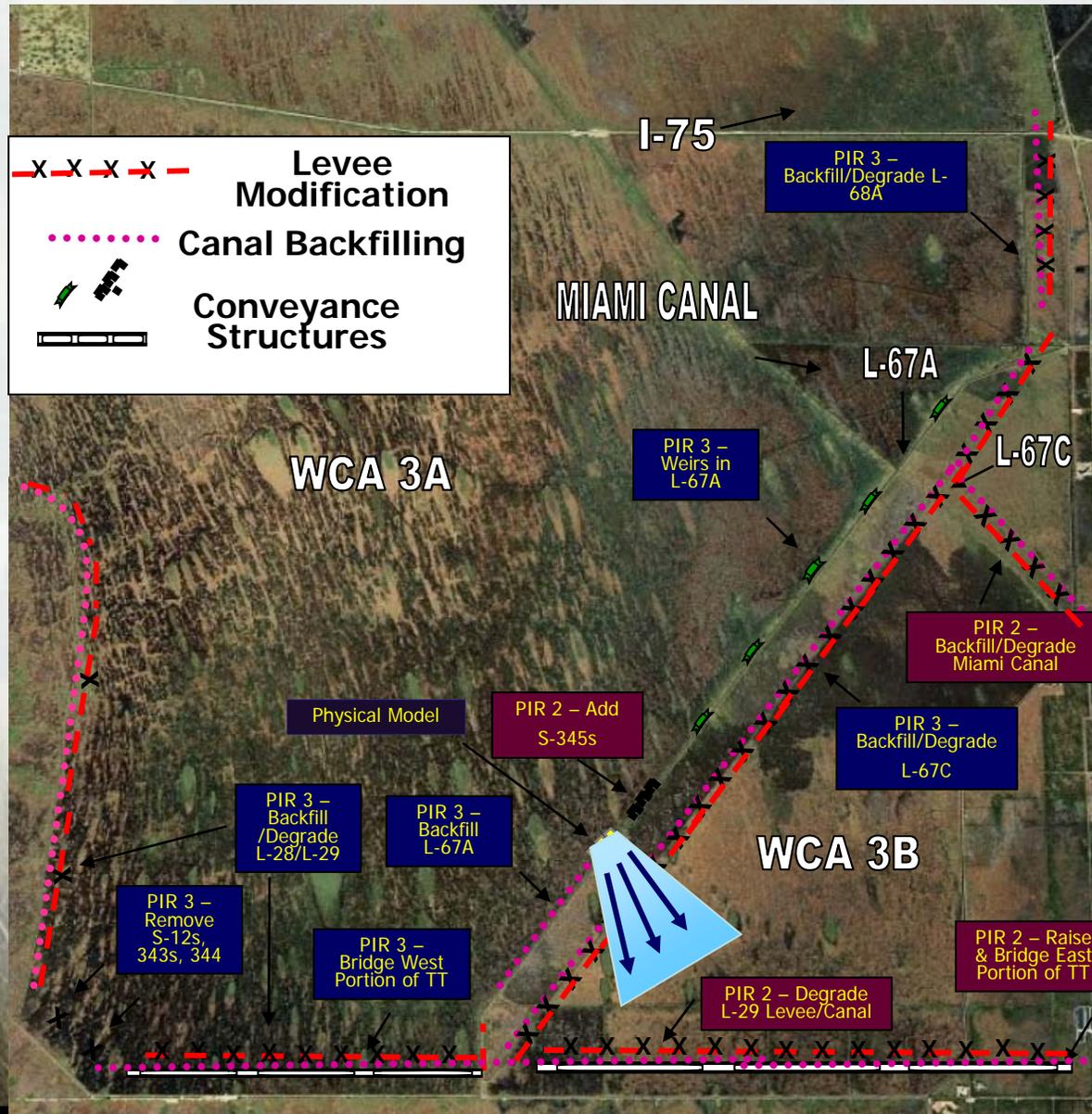


Decomp 1 Issues

- Water Quality Assumptions
- Benefit analysis & Formulation using Future Without Project condition
- Adaptive Management/Phased Construction
- Timeline to complete PIR



Decomp PIRs 2 & 3



PIR 2

- Elevate east portion of Tamiami Trail
- Remove L-29 levee / canal
- Additional S-345s
- Backfill Miami Canal between S-151 and S-31
- Remove S-151
- Conveyance in North New River (if necessary)

PIR 3

- Elevate west portion of Tamiami Trail
- Remove levee and canal for L-68A, L-67C, L-28, L-29
- Weirs in L-67A
- Backfill southern 7.5 miles of L-67A canal
- Remove S-12s, S-343, S-344



Key Prerequisites

- Mod Water features and completion – provides initial modifications to south to help move water out of central glades, and legislation requiring completion of MWD before appropriation of funds for construction of Decomp PIR 1
- Sufficient flow quantity with requisite water quality entering from North (for PIR 1)
- Seepage control along east coast protective levee to accommodate higher water levels in WCA 3B (for PIR 3)
- Need for Upstream Storage to replace lost water supply storage in WCA 3A and provide water during dry times (for PIRs 2 & 3)



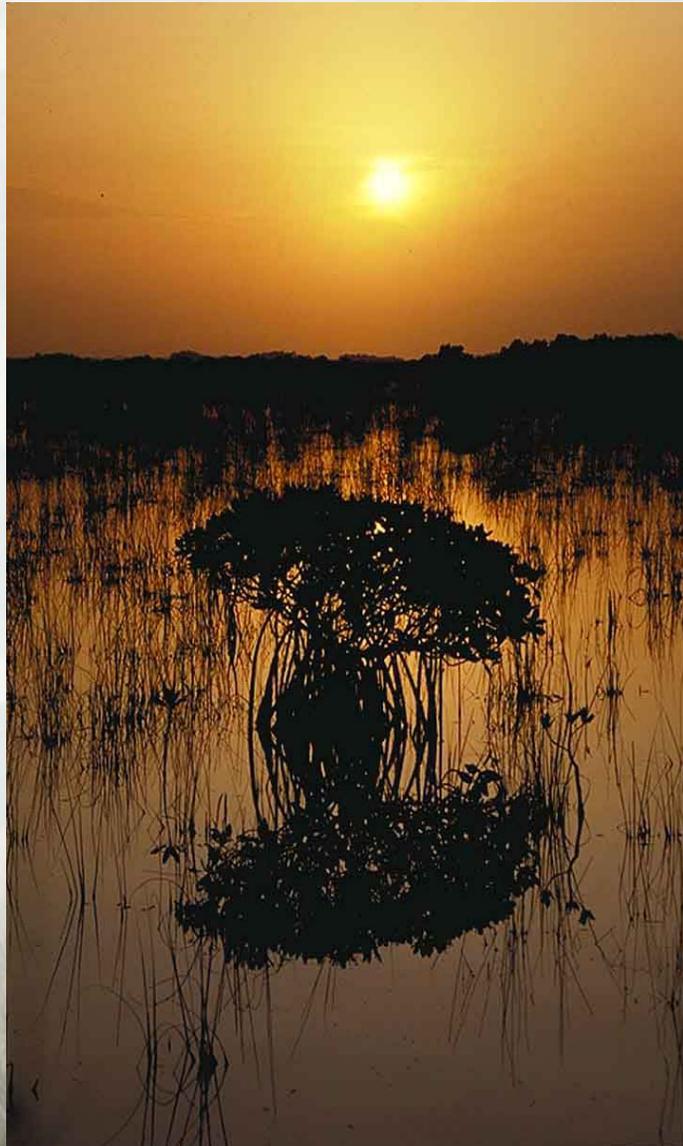
Upcoming Task Force Meeting



Products for October Task Force Meeting

- Graphical IDS tool
- Update of interactive schedule tool to include non-Federal costs and credits
- Table with project costs, estimated SFWMD credits, etc.





DISCUSSION

