

CENTRAL EVERGLADES PLANNING PROJECT



*Restoring the Heart
of the Everglades*

WG Sponsored Public Workshop

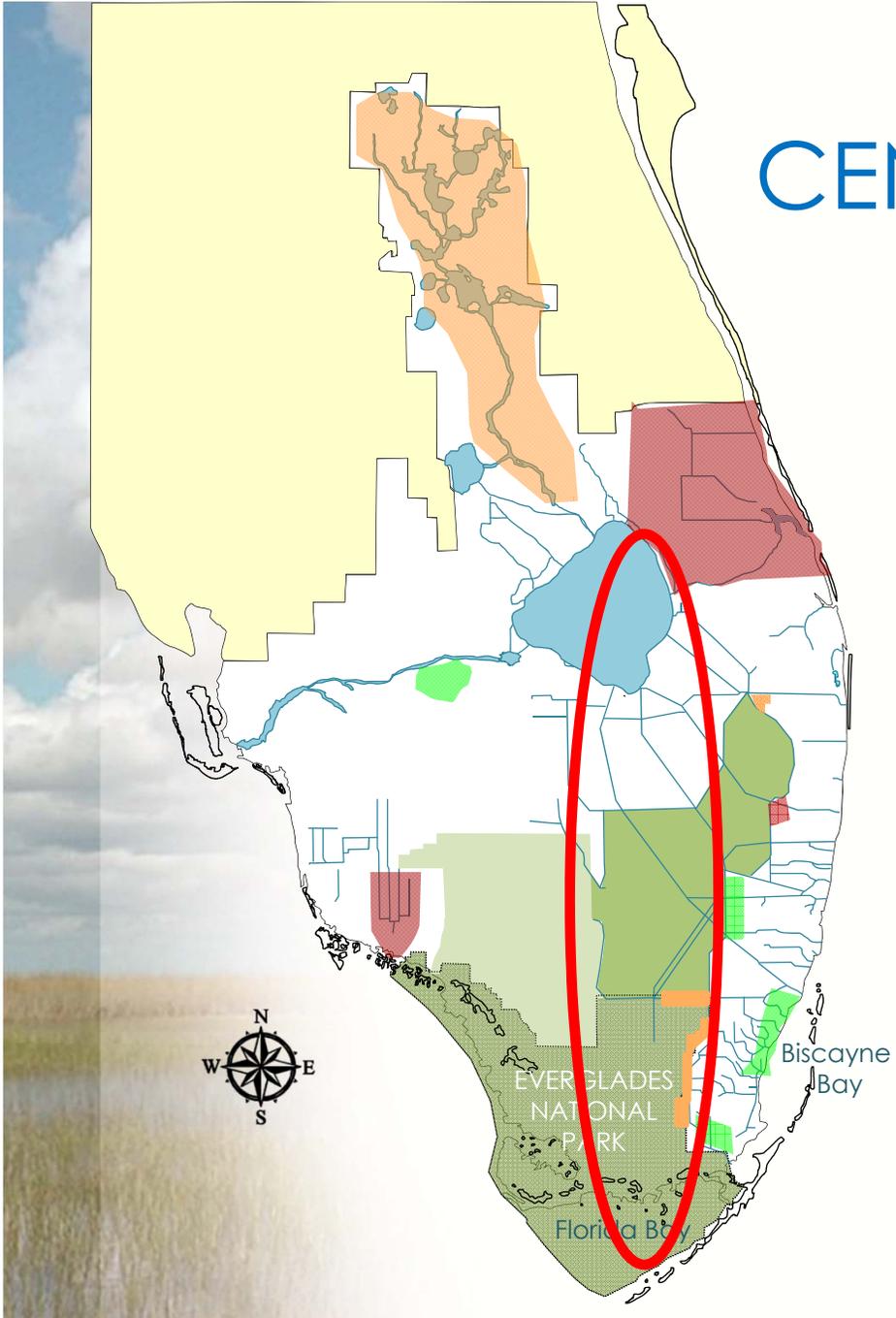
PRESENTED BY

Kim Taplin,
Chief, Central Everglades Branch

February 25, 2013

CENTRAL EVERGLADES

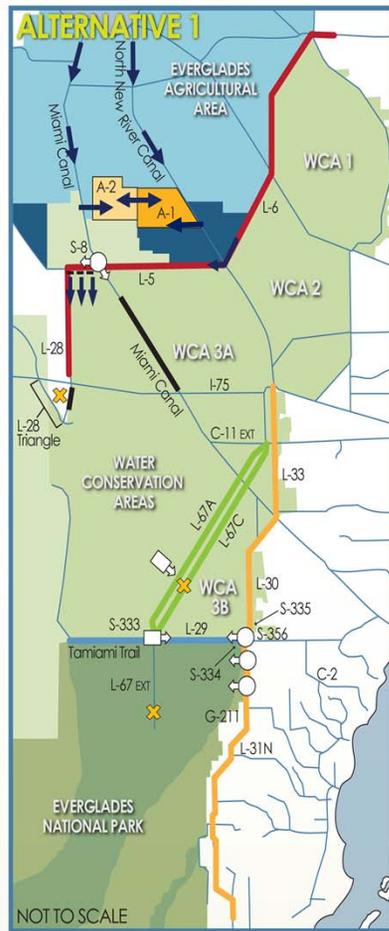
- Reduce undesirable discharges to east and west coast estuaries
- Deliver “new” sources of clean water to the Central Everglades and Everglades National Park
- To restore habitat in the Central Everglades and Everglades National Park, focusing on the “River of Grass”



OUTLINE OF PRESENTATION

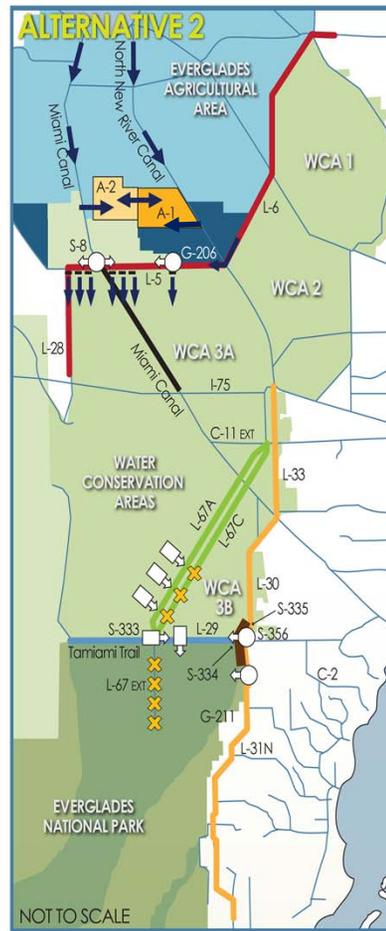
- Overview of Tentatively Selected Plan
- Next Steps
- Schedule

CEPP FINAL ARRAY OF ALTERNATIVES

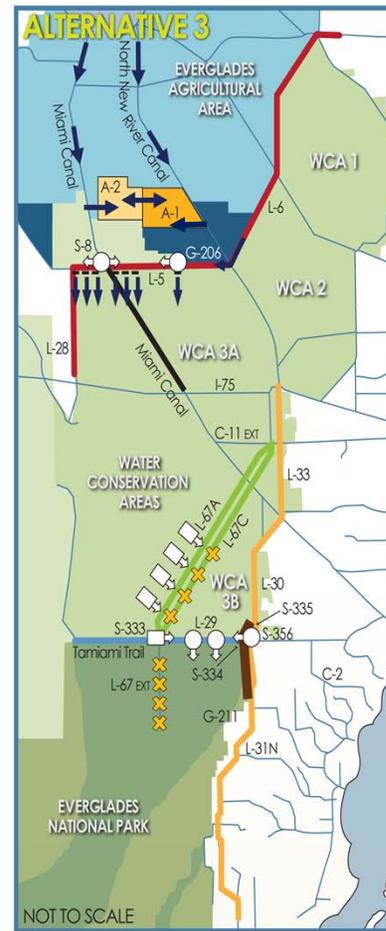


\$1.0B
\$295/Habitat Unit

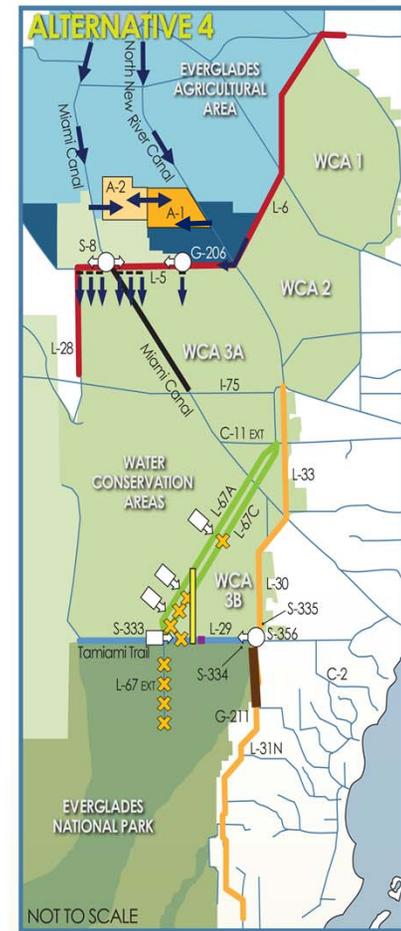
Cost Effective



\$1.16B
\$367/Habitat Unit



\$1.21B
\$354/Habitat Unit



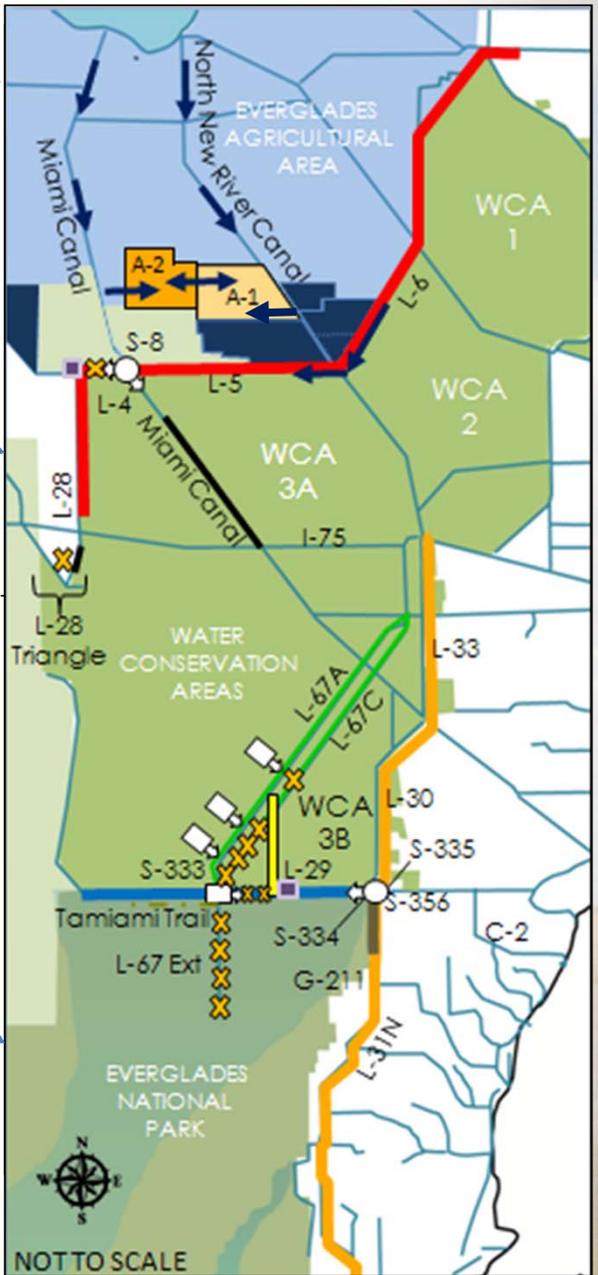
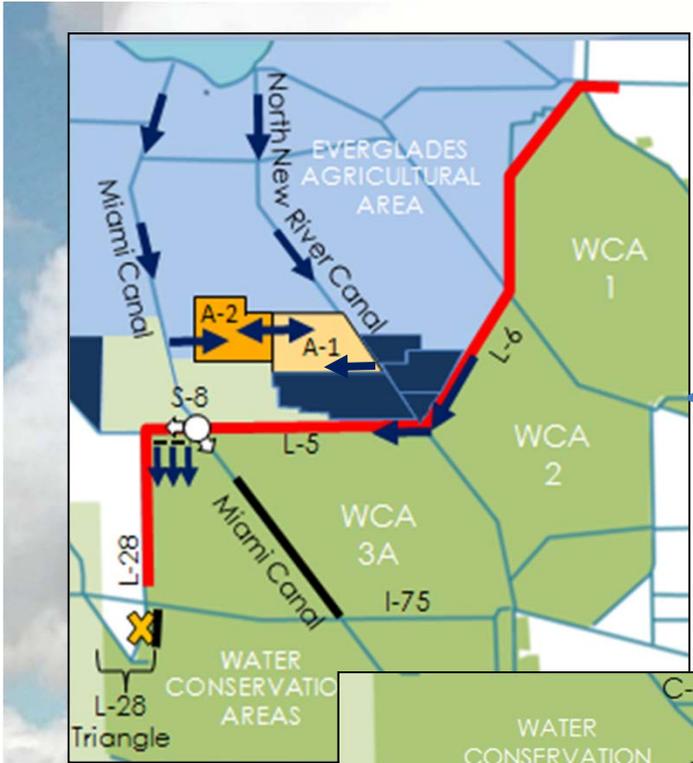
\$1.13 B
\$308/Habitat Unit

Cost Effective

TENTATIVELY SELECTED PLAN

ALT. 1

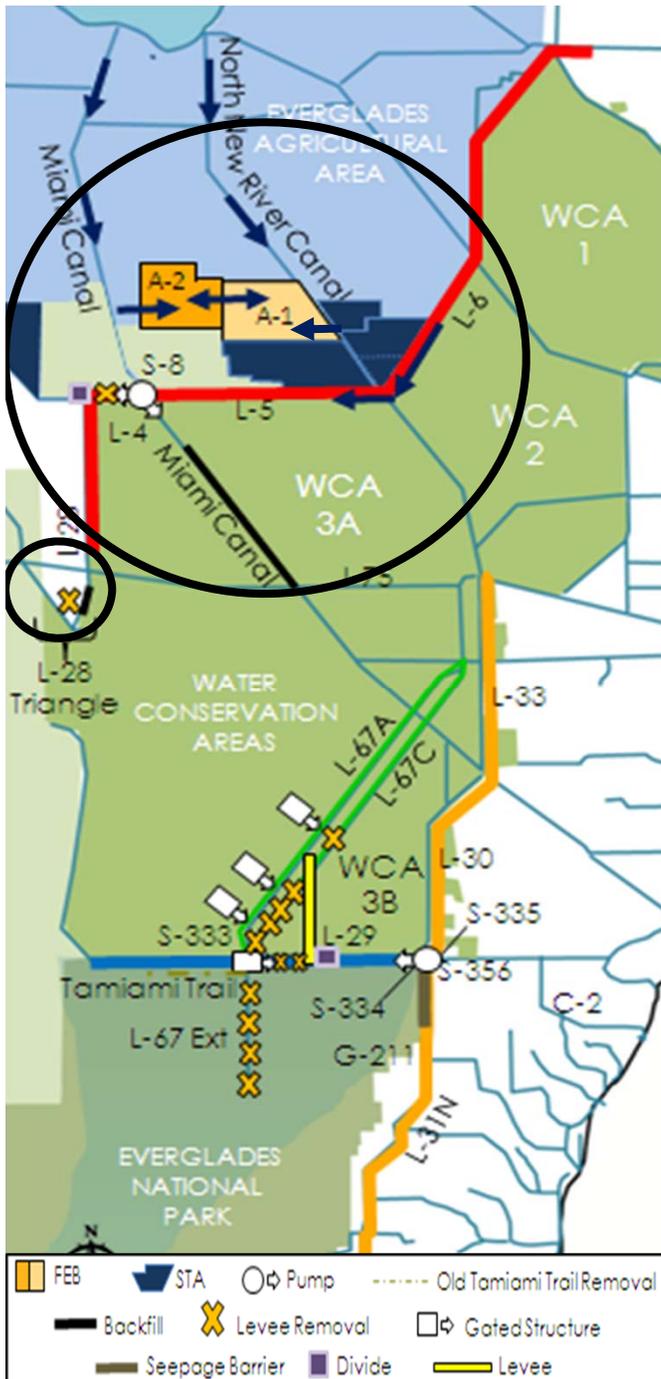
ALT. 4



- FEB
- STA
- Pump
- Gated Structure
- Levee
- Backfill
- Seepage Barrier
- Divide
- Levee Removal
- Old Tamiami Trail Removal

TENTATIVELY SELECTED PLAN: ALTERNATIVE 4R (REVISED)

- **Alternative 4 revised to incorporate Hydropattern Restoration Feature of Alternative 1**
 - ▶ Provides the greatest overall benefits with the least cost per habitat unit
 - ▶ Provides the greatest ecological connectivity and longest uninterrupted flow-way via the removal of the L-29 Levee
 - ▶ Provides the greatest benefits to Everglades National Park and Florida Bay
- **Operational refinement of inflows into WCA 3B outside Blue Shanty flow-way**
 - ▶ Maximizes benefits in WCA 3B with no additional cost
 - ▶ Address concerns about extent of seepage reduction
- **Seepage infrastructure and operations refinement**
 - ▶ Shift Blue Shanty levee east to coincide with bridge span opening and landscape patterns
 - ▶ Modify seepage barrier south of Tamiami Trail due to greater than desired reduction in seepage
 - ▶ Optimize operations and design during saving clause analyses and value engineering
- **Implementation will utilize adaptive management approach as envisioned in CERP**
 - ▶ Incrementally sequence construction of project features



STORAGE and TREATMENT

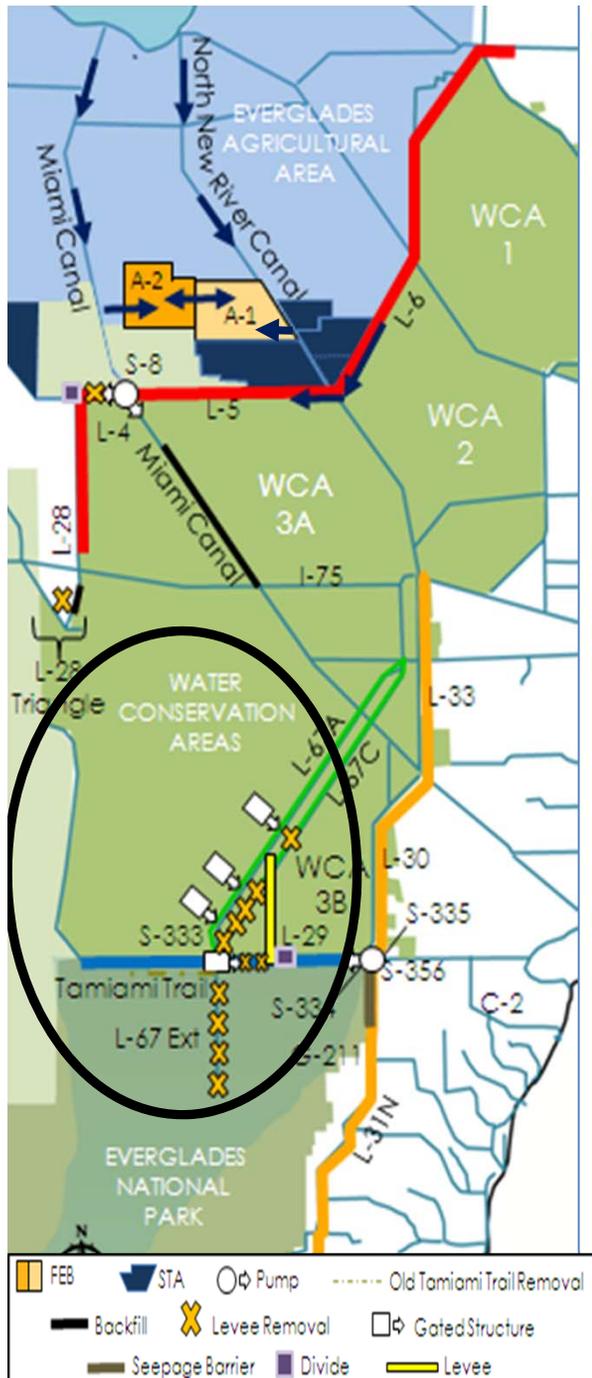
- Construct A-2 FEB and integrate with A-1 FEB operations
- Lake Okeechobee operation refinements within LORS

DISTRIBUTION/ CONVEYANCE

- Diversion of L-6 flows, Infrastructure and L-5 canal improvements
- Remove western ~2.9 miles of L-4 levee (west of S-8 3,000 cfs capacity)
- Divide structure at western terminus of L-4 levee removal
- Backfill Miami Canal and Spoil Mound Removal ~1.5 miles south of S-8 to I-75
- L-28 Triangle – levee gap and canal backfill (~ 9,000 LF)

DISTRIBUTION/ CONVEYANCE

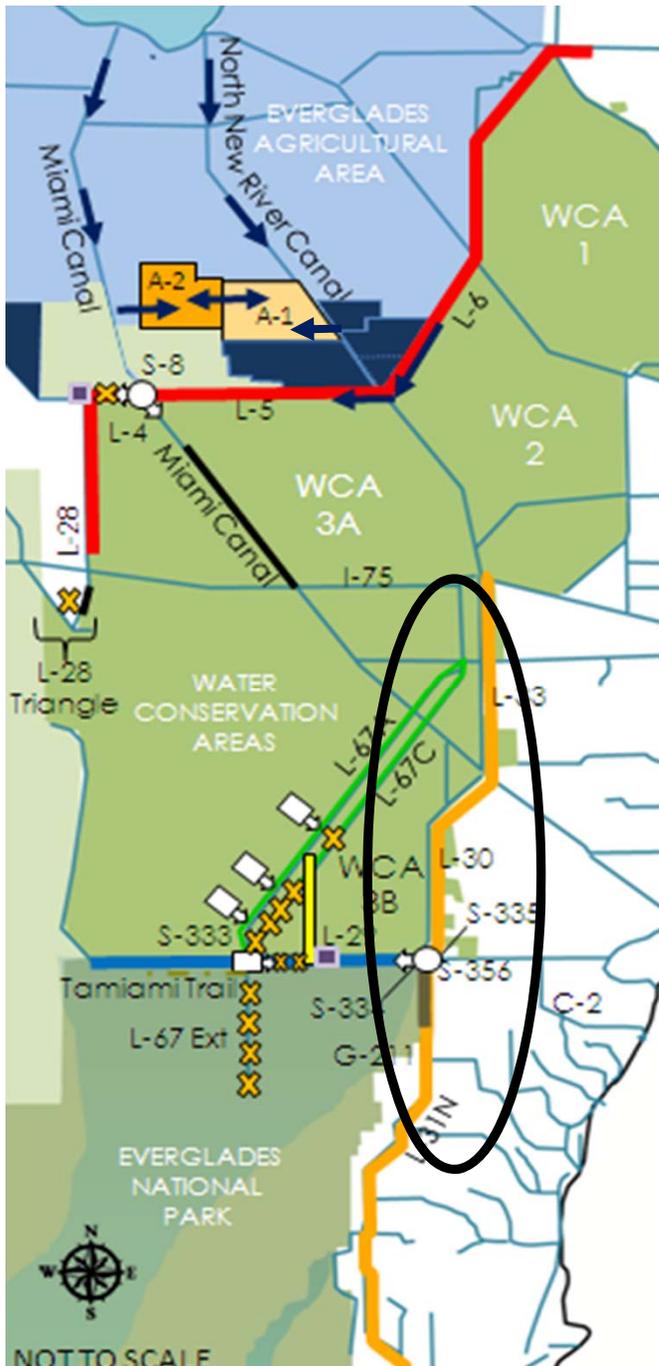
- Increase S-333 capacity to 2,500 cfs
- Two 500 cfs gated structures in L-67A, 0.5 mile spoil removal west of L-67A canal north and south of structures
- Construct ~8.5 mile levee in WCA 3B, connecting L-67A to L-29
- Remove ~8 miles of L-67C levee in Blue Shanty flowway (no canal back fill)
- One 500 cfs gated structure north of Blue Shanty levee and 6,000-ft gap in L-67C levee
- Remove ~4.3 miles of L-29 levee in Blue Shanty flowway, divide structure east of Blue Shanty levee at terminus of western bridge
- Tamiami Trail western 2.6 mile bridge and L-29 canal max stage at 9.7 ft (FUTURE WORK BY OTHERS)
- Remove entire 5.5 miles L-67 Extension levee, backfill L-67 Extension canal
- Remove ~6 mile Old Tamiami Trail road (from L-67 Ext to Tram Rd).



SEEPAGE MANAGEMENT

- Increase S-356 pump station to ~1,000 cfs
- Partial depth seepage barrier south of Tamiami Trail (along L-31N)
- G-211 operational refinements; use coastal canals to convey seepage

Note: System wide operational changes and adaptive management considerations will be included in project



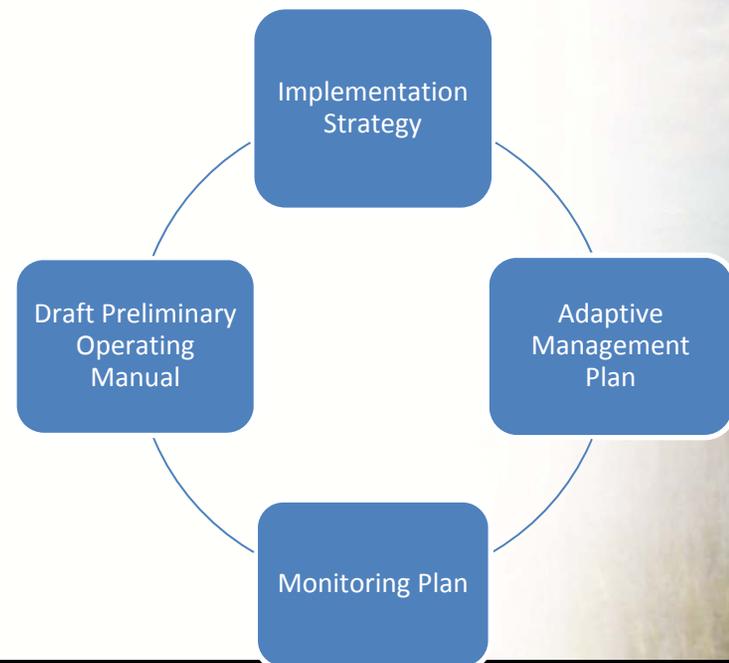
FEB	STA	Pump	Old Tamiami Trail Removal
Backfill	Levee Removal	Gated Structure	
Seepage Barrier	Divide	Levee	

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NEXT STEPS

- Savings Clause/Project Assurances Analysis
- Implementation and Sequencing Strategy
- Draft Preliminary Operating Manual
- Adaptive Management Plan
- Monitoring Plan



CENTRAL EVERGLADES PROCESS



IPR: In-Progress Review with Corps Leadership



THANK YOU

Visit www.evergladesplan.org for information