

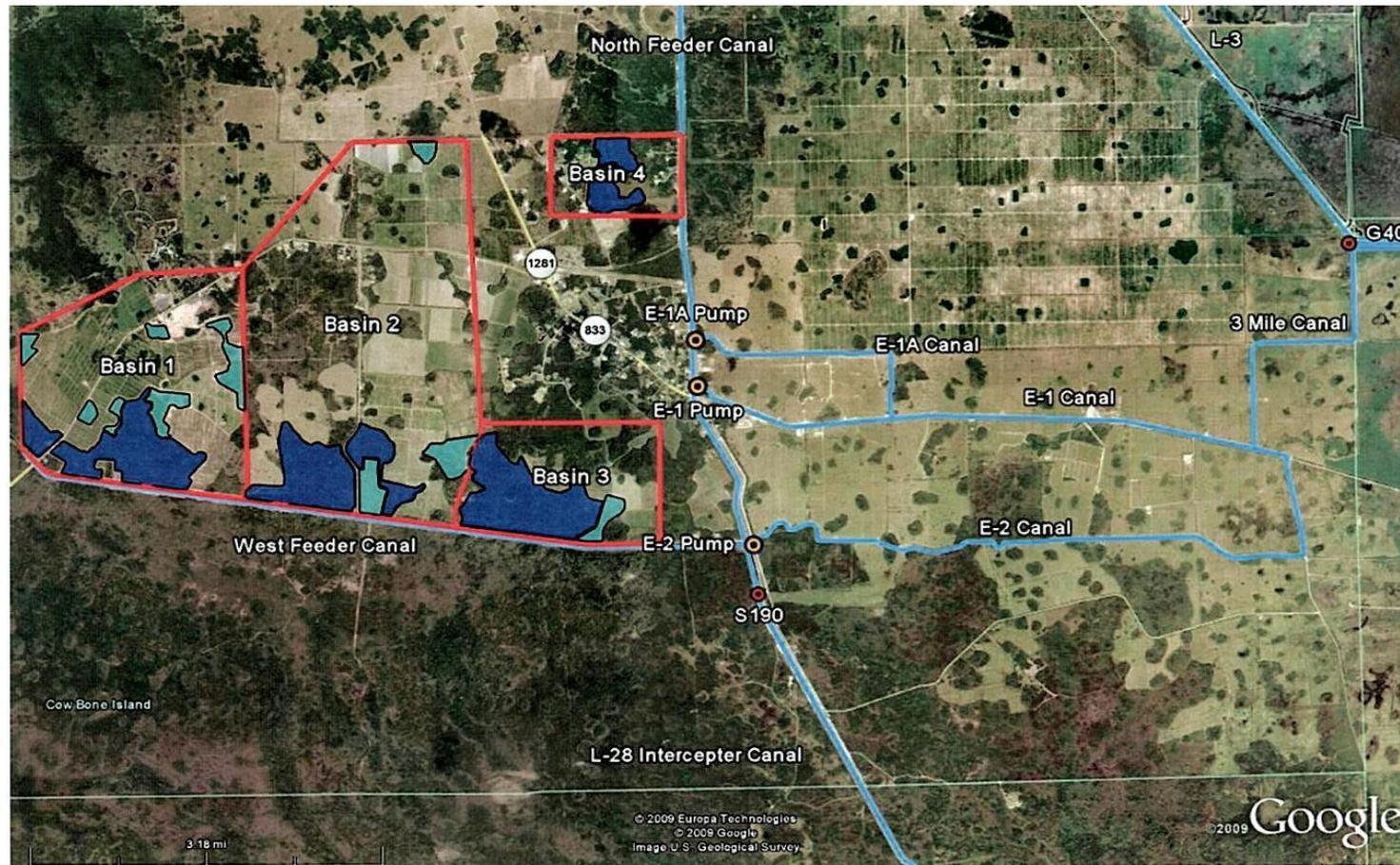


South Florida Ecosystem Restoration Projects

- 1. Seminole Big Cypress
 - 3. Modified Water Deliveries
 - 5. C-111 South Dade
 - 10. C-111 Spreader Canal
 - 13. Broward County Water Preserve Area
 - 14. Central Everglades Planning Project
 - ★ Decomp Physical Model
 - ◆ Restoration Strategies
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- Information on Project Schedules from Integrated Delivery Schedule Theme 5
 - Following Project Maps from:
 - DOI - www.EvergladesRestoration.gov
 - USACE - <http://www.saj.usace.army.mil/Missions/Environmental/EcosystemRestoration.aspx>
 - SFWMD - www.sfwmd.gov/restorationstrategies

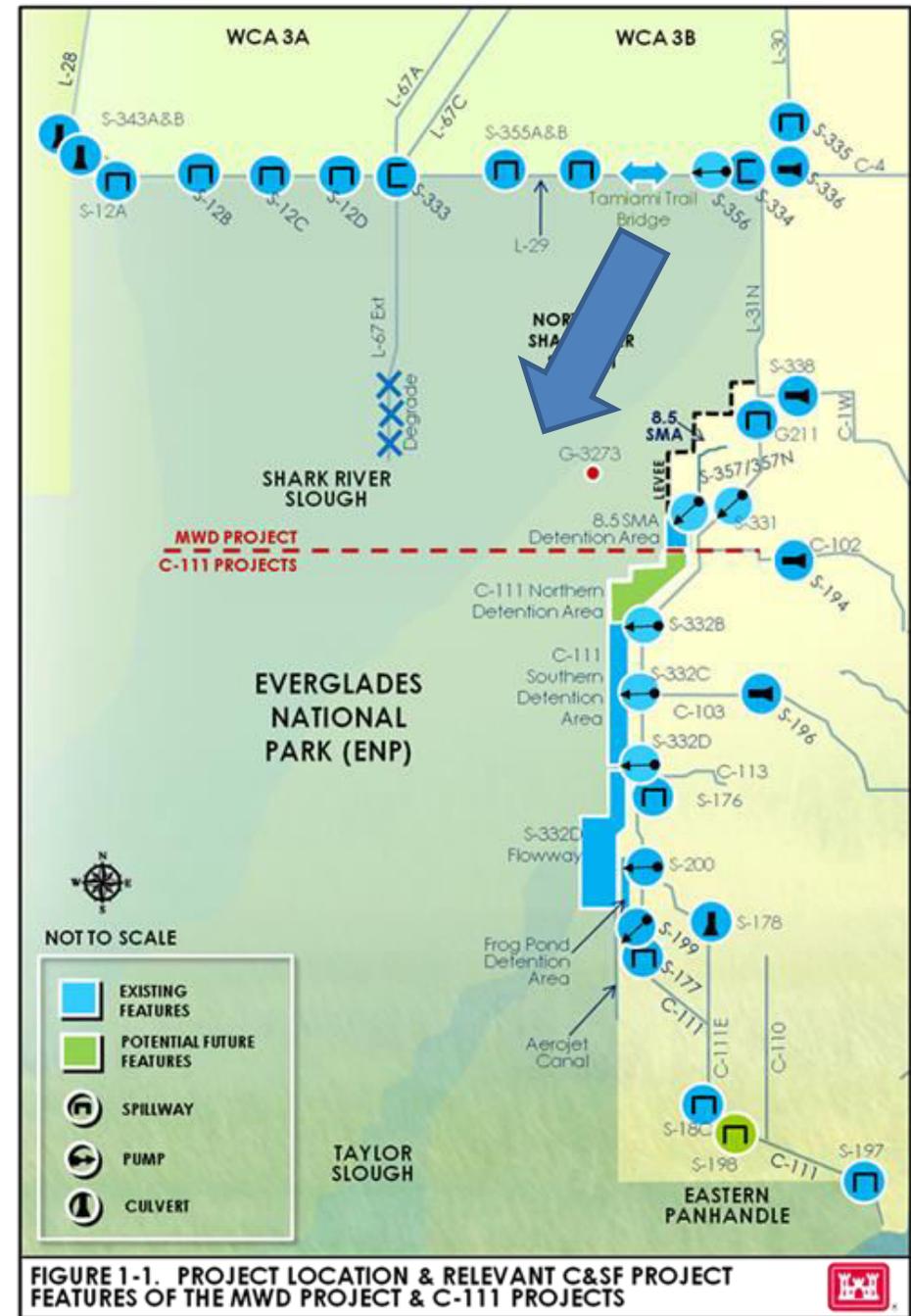
Seminole Big Cypress

- 1,500 acres of wetlands restored, East conveyance system completed. Complete 2016.



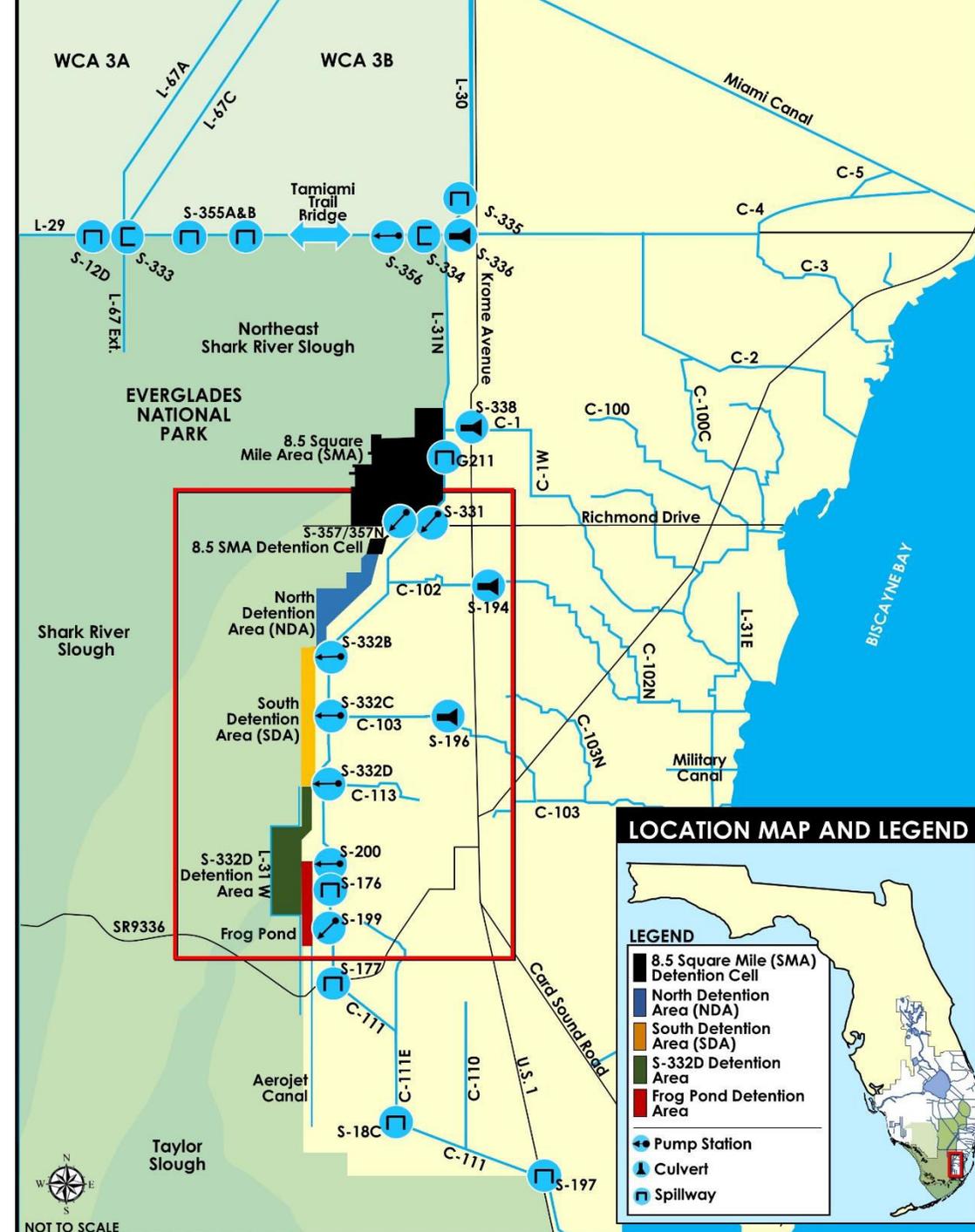
Modified Water Deliveries

- 8.5 Square Mile Area, S-355 A&B, S-333 and S-334 modifications, S-356, L-67 extension levee removal, Tamiami Trail 1-mile Bridge Complete.
- G-3273 & S-356 Pump Station Field Test began October 15, 2015.
 - Relaxes constraints on gage G-3273,
 - tests seepage control pump S-356,
 - Increment 1 maintains the L-29 Canal at 7.5 feet.
 - Increment 2, which increases L-29 Canal to 8.5.
 - Emergency Highwater operations in WCA 3A allow for raising to 8.5.



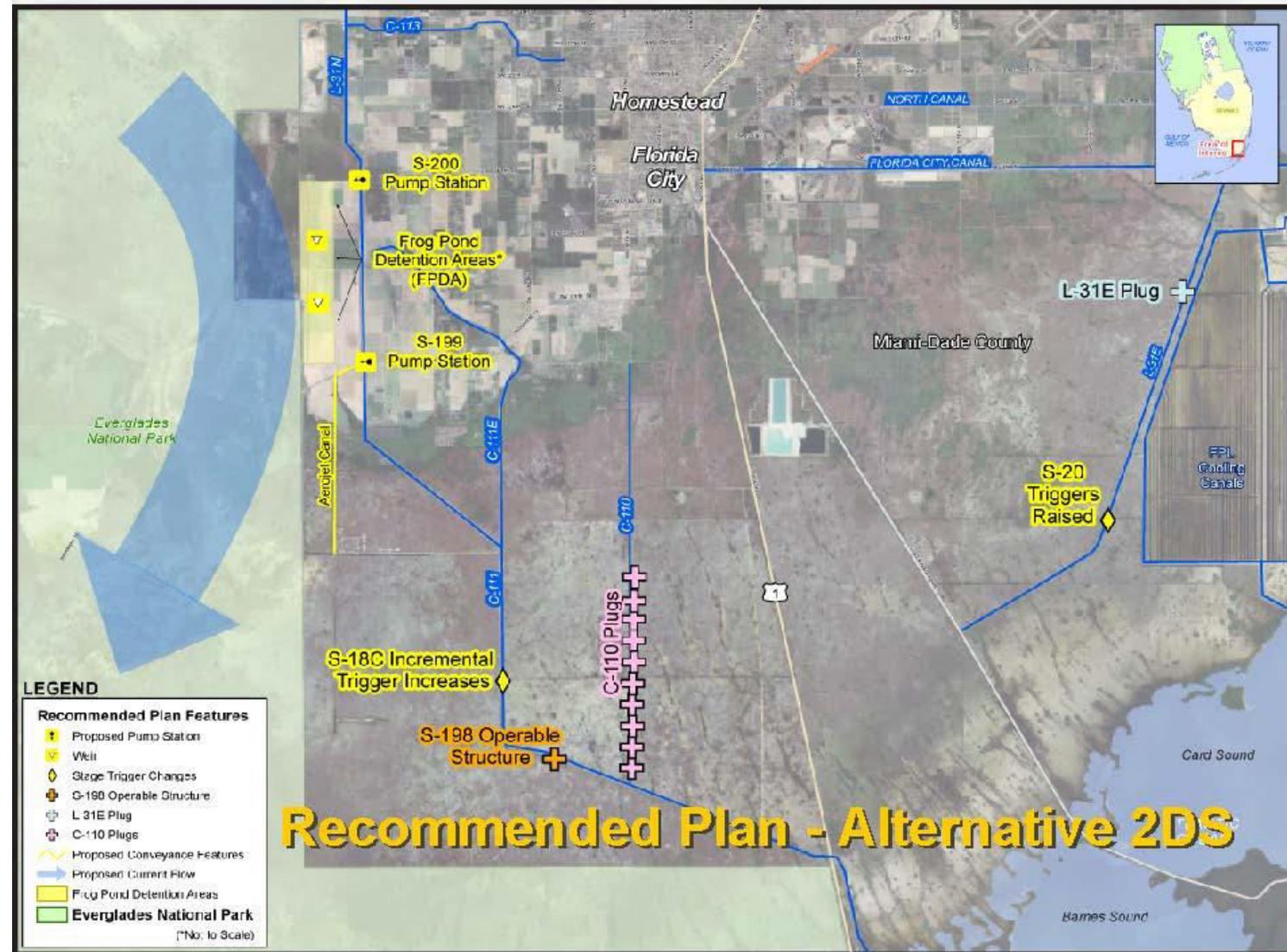
C-111 South Dade

- SSR intermediate results C-111 South Dade combined with Interim Operations Plan operations moved 70% of flow at S-176 into South Dade detention areas.
- Hydroperiods in ENP are on average 60 days longer near detention areas.
- Completion 2019



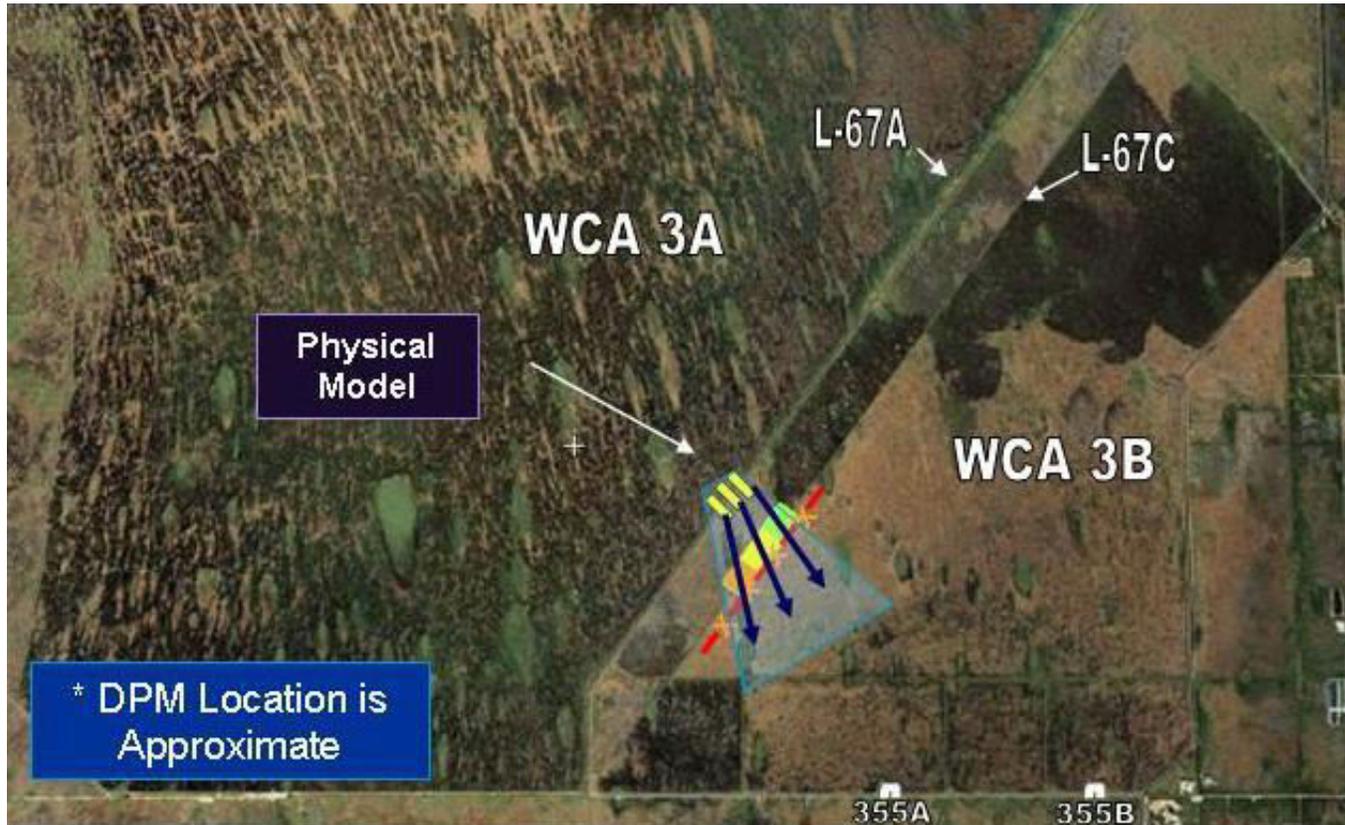
C-111 Spreader Canal

- S-200, Frog Pond Detention Area, S-199, Aerojet Canal Plugs, C-110 Plugs Completed 2012.
- Extend Hydraulic Ridge to keep water in Everglades National Park and into Taylor Slough.



Decomp Physical Model

- S-152 on L-67A and Backfill of L-67 C
- 300 to 500 cfs of flows at certain periods between November and January (2013-2016).



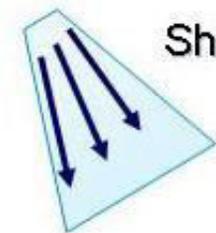
Conceptual Design

 Temporary Gated Culverts

 No Backfill

 Partial Backfill

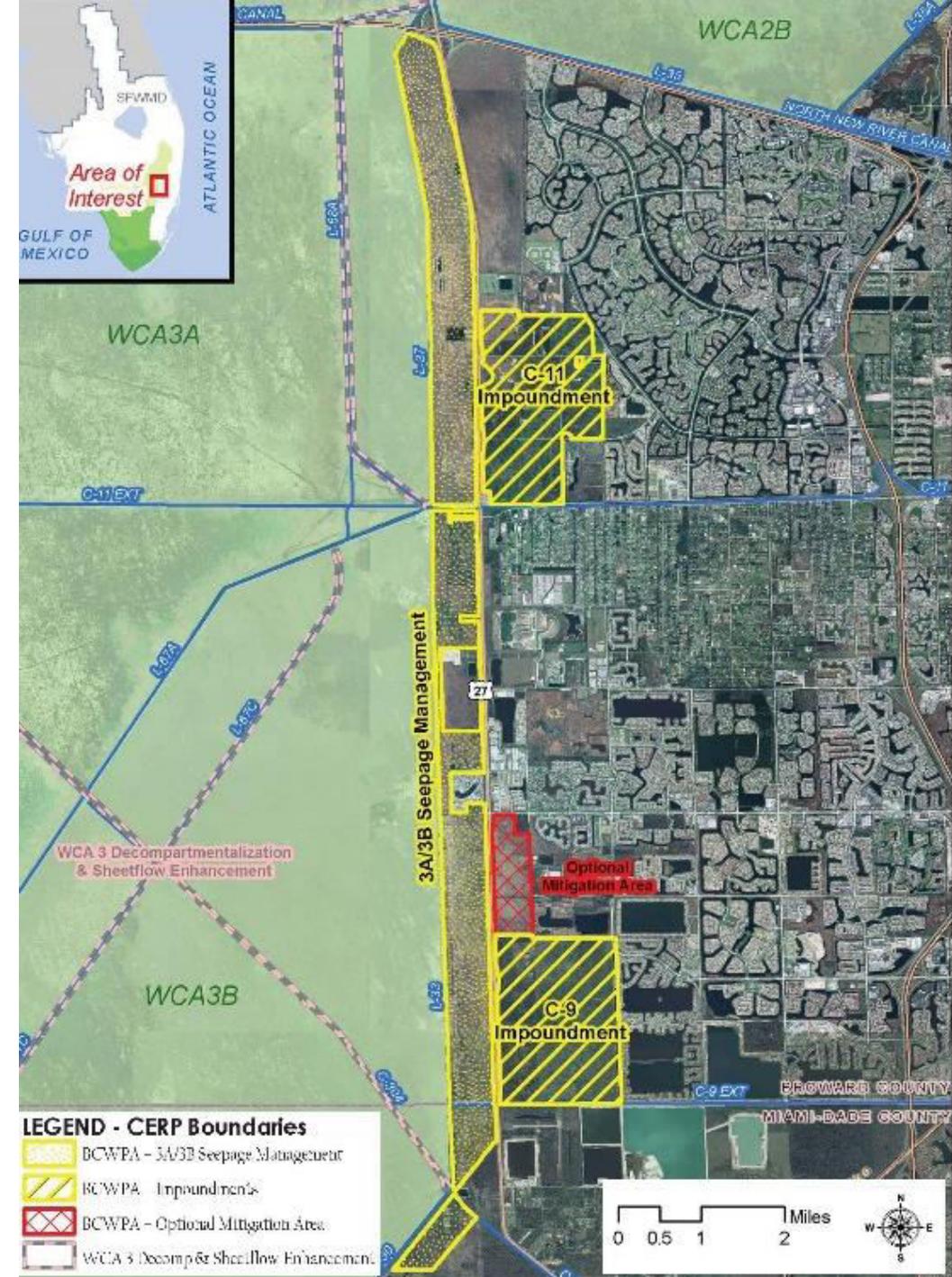
 Complete Backfill

 Sheetflow

 Levee Degrade

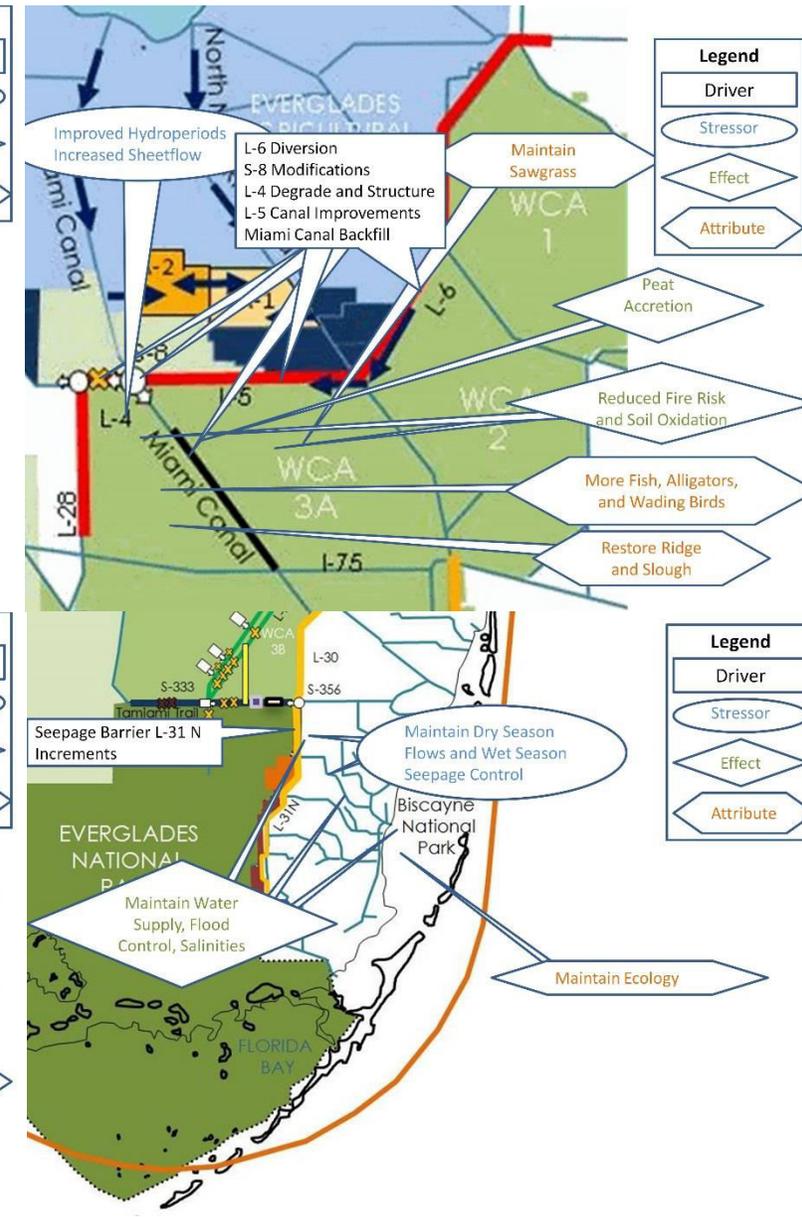
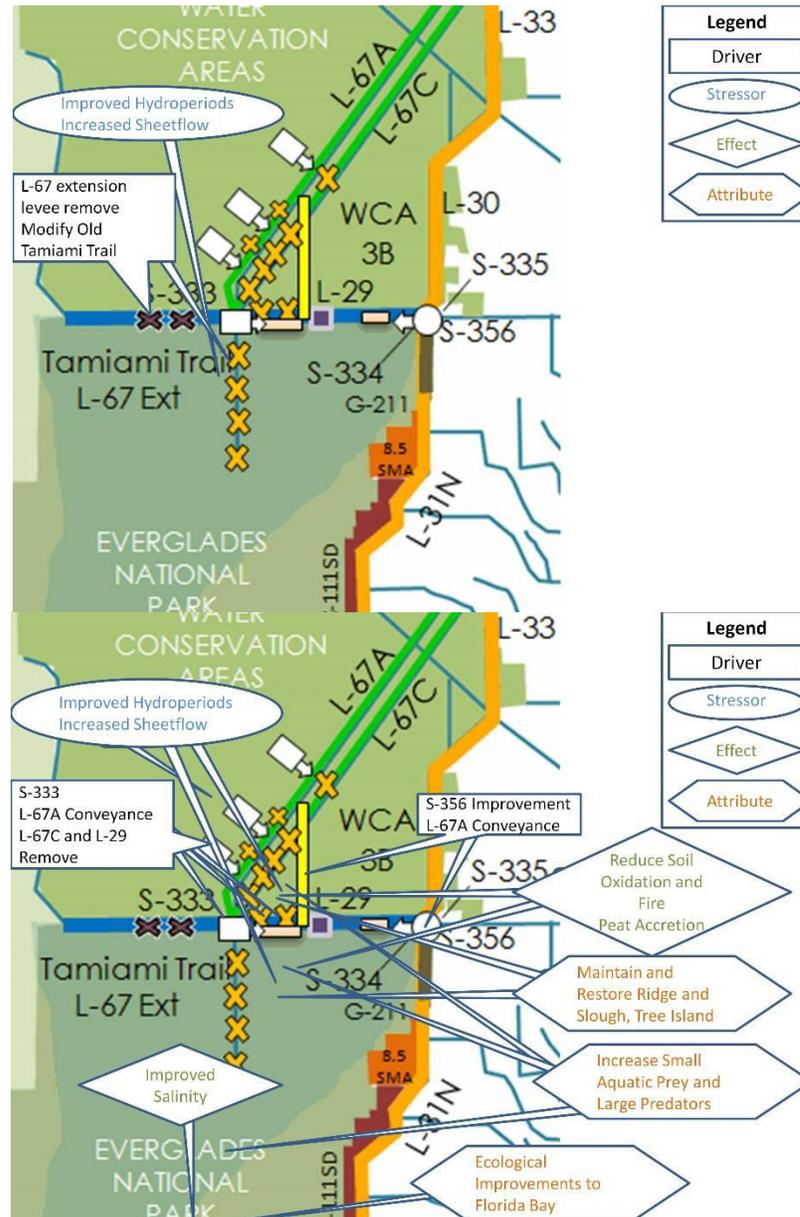
Broward County Water Preserve Area

- C-11 Impoundment and Seepage Management Area (2021 Operation)
- C-9 Impoundment (2029 Operation)
- 10,800 acre-ft of storage
- Control Seepage from East side of Water Conservation Area 3
- Reduce flow of nutrients from S-9 structure



Central Everglades Planning Project

- Needs WRDA Authorization
- Number of storage, barrier removal and conveyance structures from North WCA 3A to 3B to Everglades National Park
 - Old Tamiami Trail removal, L-67A structure 1 and L-67 C gap estimate of 2021.



Restoration Strategies – Key Projects

State of Florida Restoration Strategies

- Six water treatment and storage facilities to improve water quality
- More Clean Water available to WCAs
- A-1 FEB Complete 2015
- L-8 FEB Complete 2016
- STA 1W Expand 2018
- Completion estimate by 2026

