C-139 Annex: Western Everglades Restoration Project

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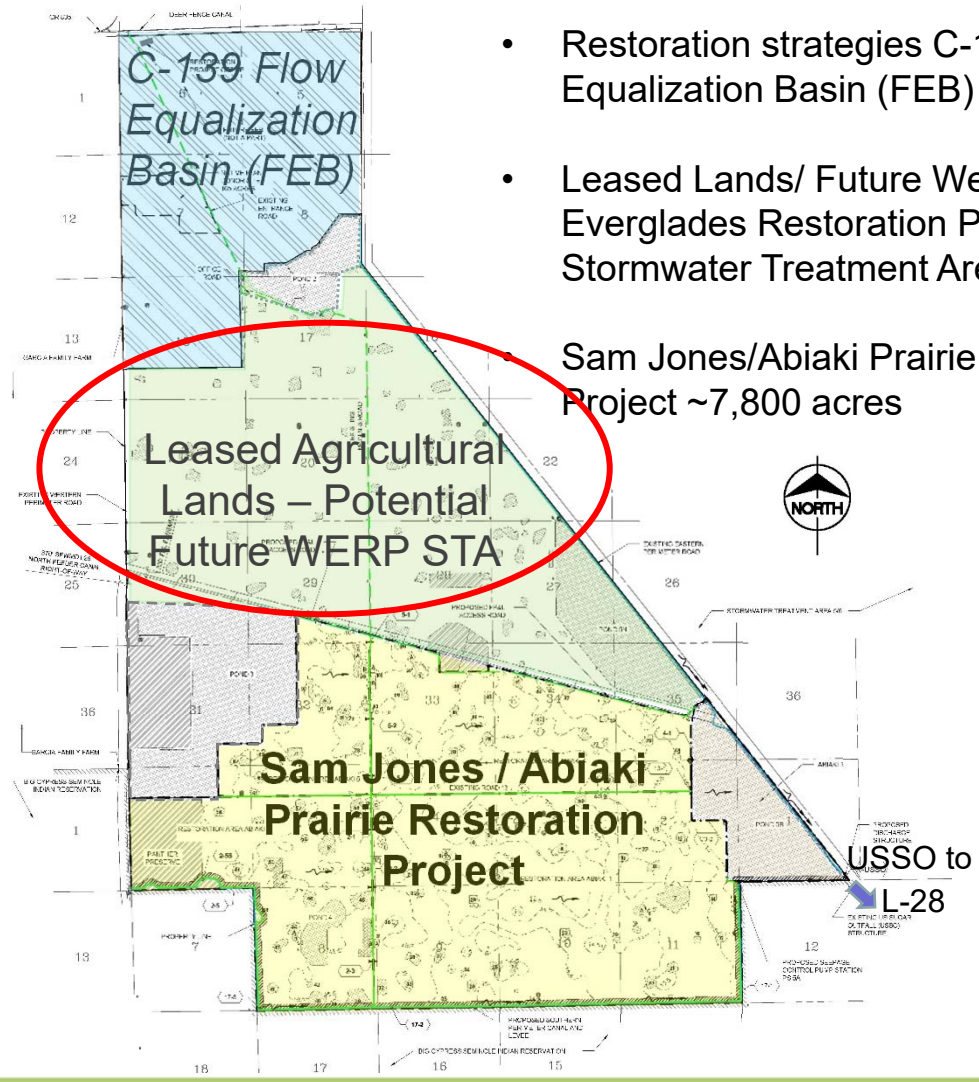
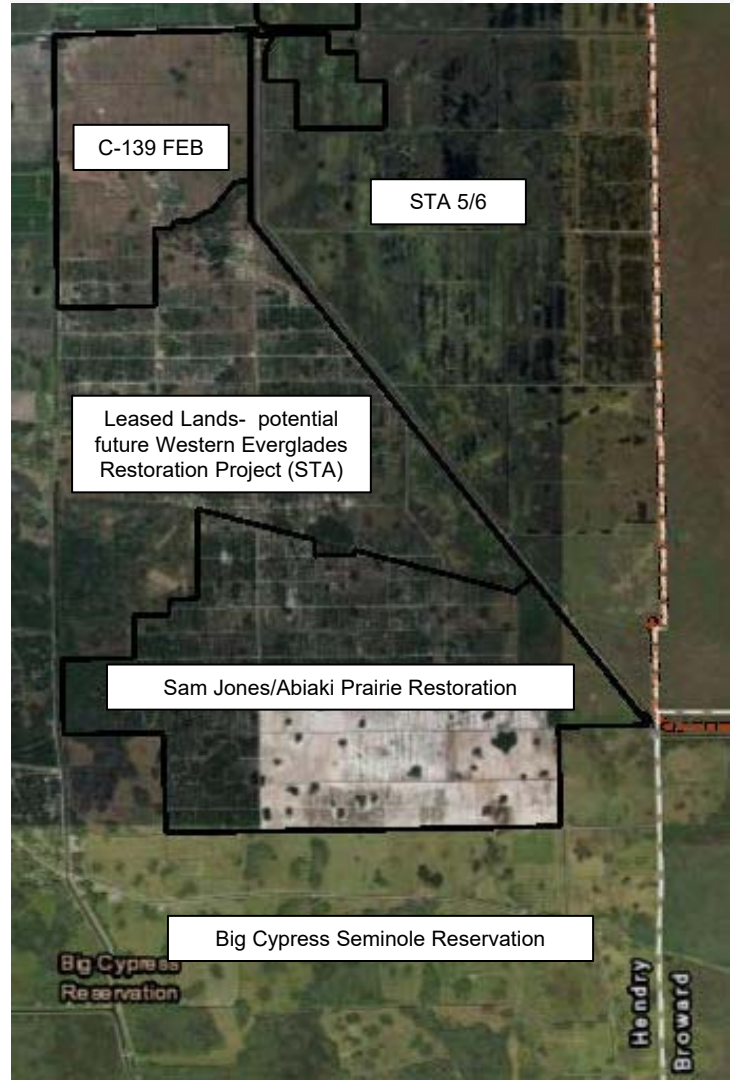
Ecosystem Restoration Planning Bureau, SFWMD

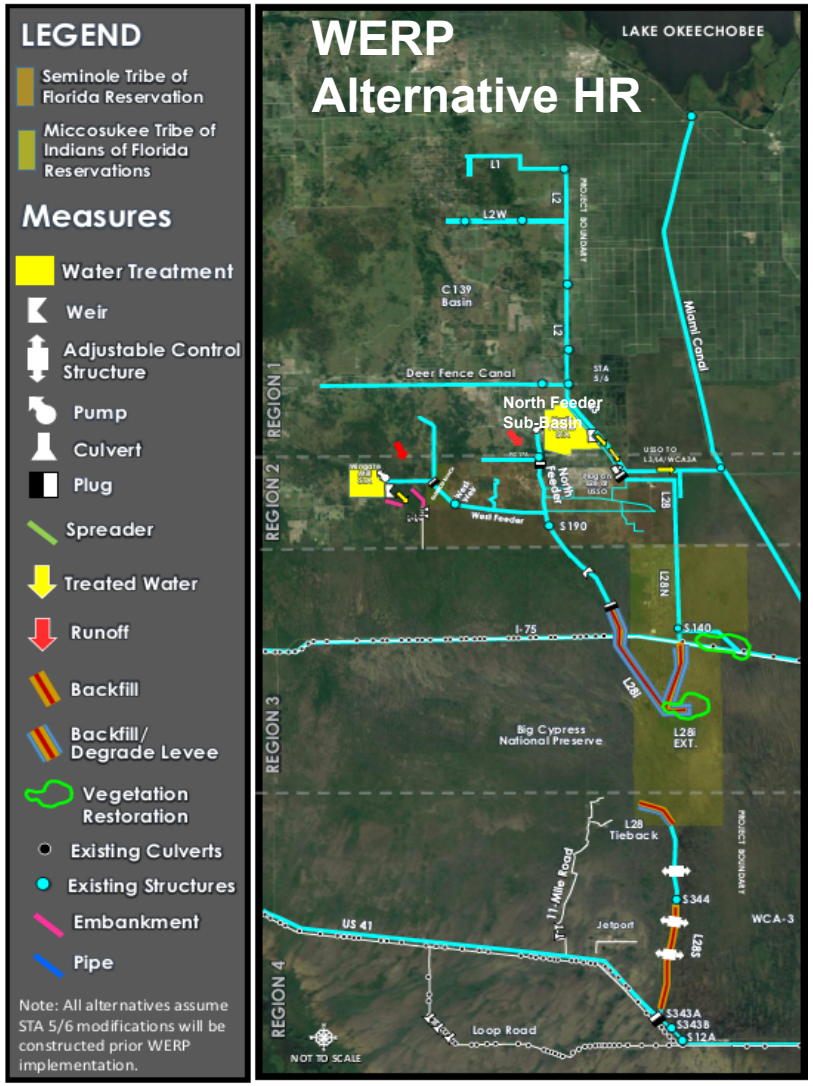
C-139 Annex Projects



- Restoration strategies C-139 Flow Equalization Basin (FEB) ~2,900 acres
- Leased Lands/ Future Western Everglades Restoration Project Stormwater Treatment Area ~6,600
- Sam Jones/Abiaki Prairie Restoration Project ~7,800 acres



Western Everglades Restoration Project (WERP)

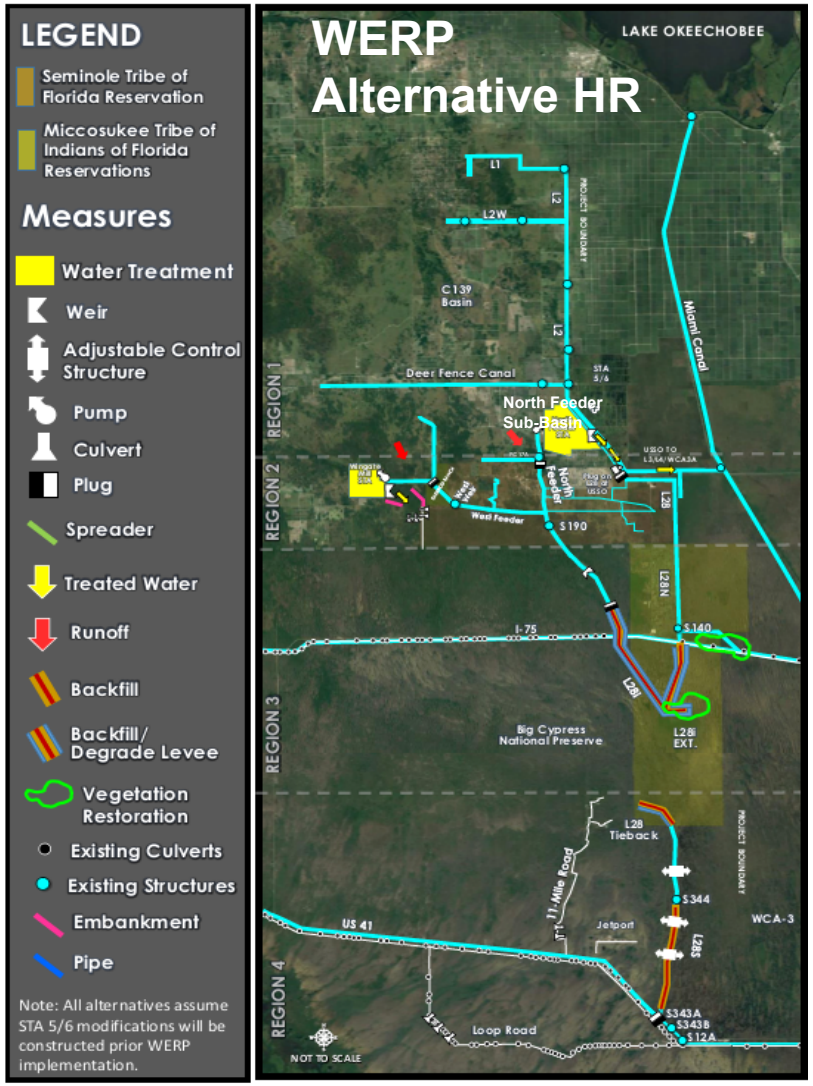


A CERP Feasibility Study

Objectives:

- Restore freshwater flow paths, flow volumes & timing, seasonal hydroperiods, & historic distributions of sheetflow, to re-establish ecological connectivity and ecological resilience of the historic wetland/upland mosaic.
- Restore water levels to reduce wildfires associated with altered hydrology, which damage the underlying geomorphology and associated ecological conditions of the western Everglades.
- Restore aquatic low nutrient (oligotrophic) conditions to reestablish and sustain native flora & fauna.

Western Everglades Restoration Project (WERP)



A CERP Feasibility Study

Schedule:

Study Initiated	Aug. 2016
Tentatively Selected Plan	Mar. 2021
Draft PIR/EIS	May 2021
Final PIR/EIS	Dec. 2021
Chief's Report	Mar. 2022

Planning Budget: $9.8 million

Western Everglades Restoration Project (WERP)

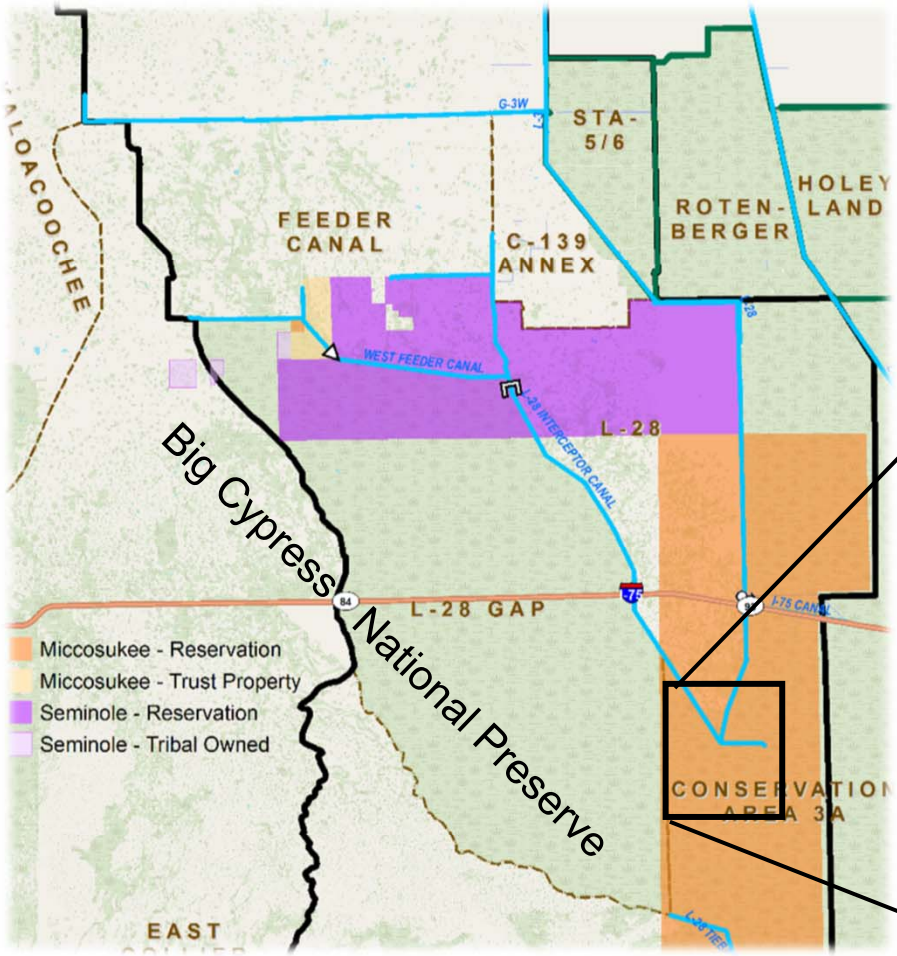
Under Current conditions:

Feeder Canal Basin water flows into the L-28 Interceptor Canal via North Feeder and West Feeder.

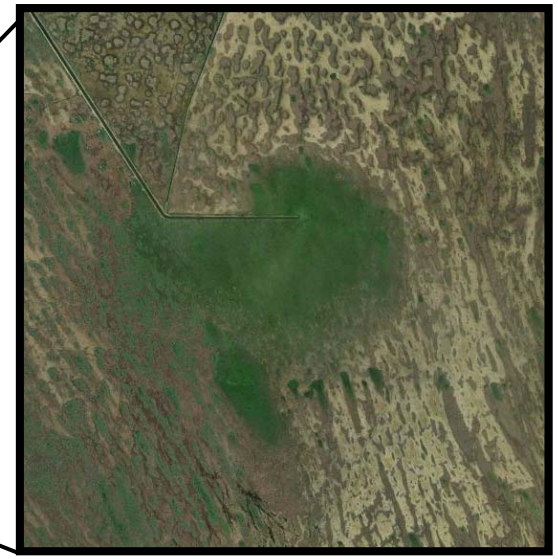
Flows through the Seminole Tribe Big Cypress Reservation

Flows through the Miccosukee Tribe Alligator Alley Reservation, to reach WCA 3A.

L-28I has a large drainage effect on Big Cypress Preserve



Nutrient loading from L-28 Interceptor in WCA 3A, within Miccosukee Tribe Alligator Alley Reservation, caused large area of cattail growth.



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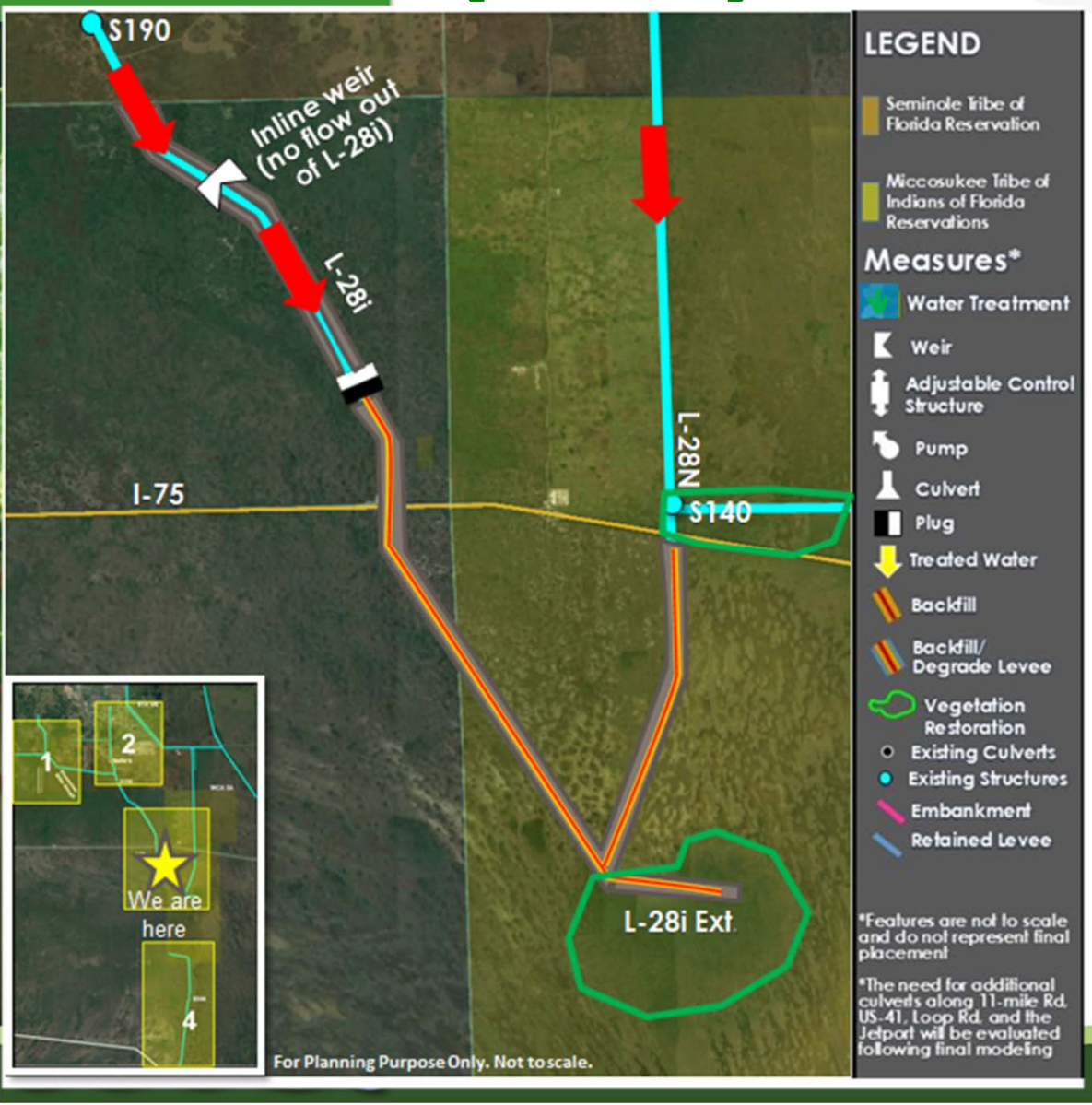
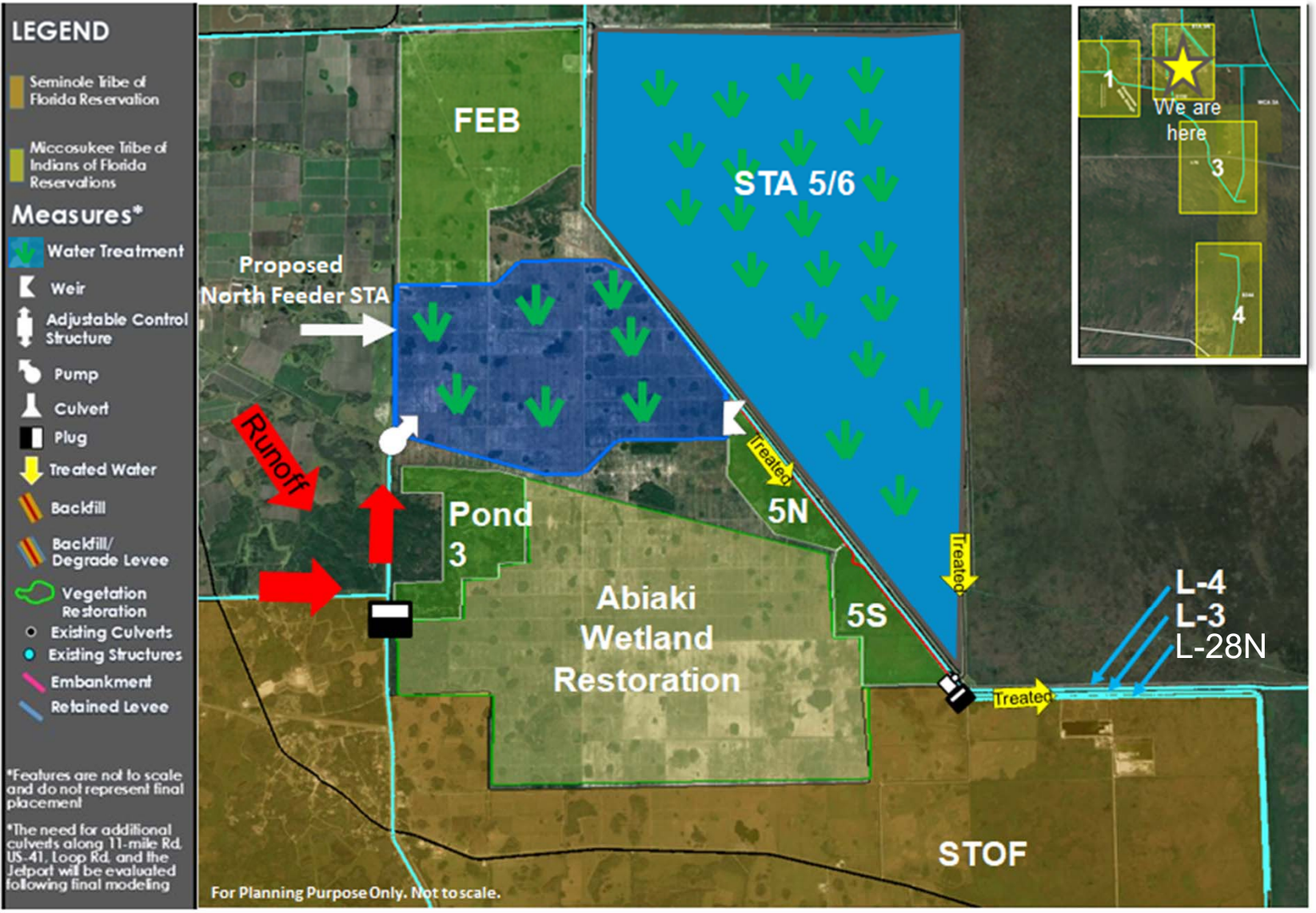


Proposed features:

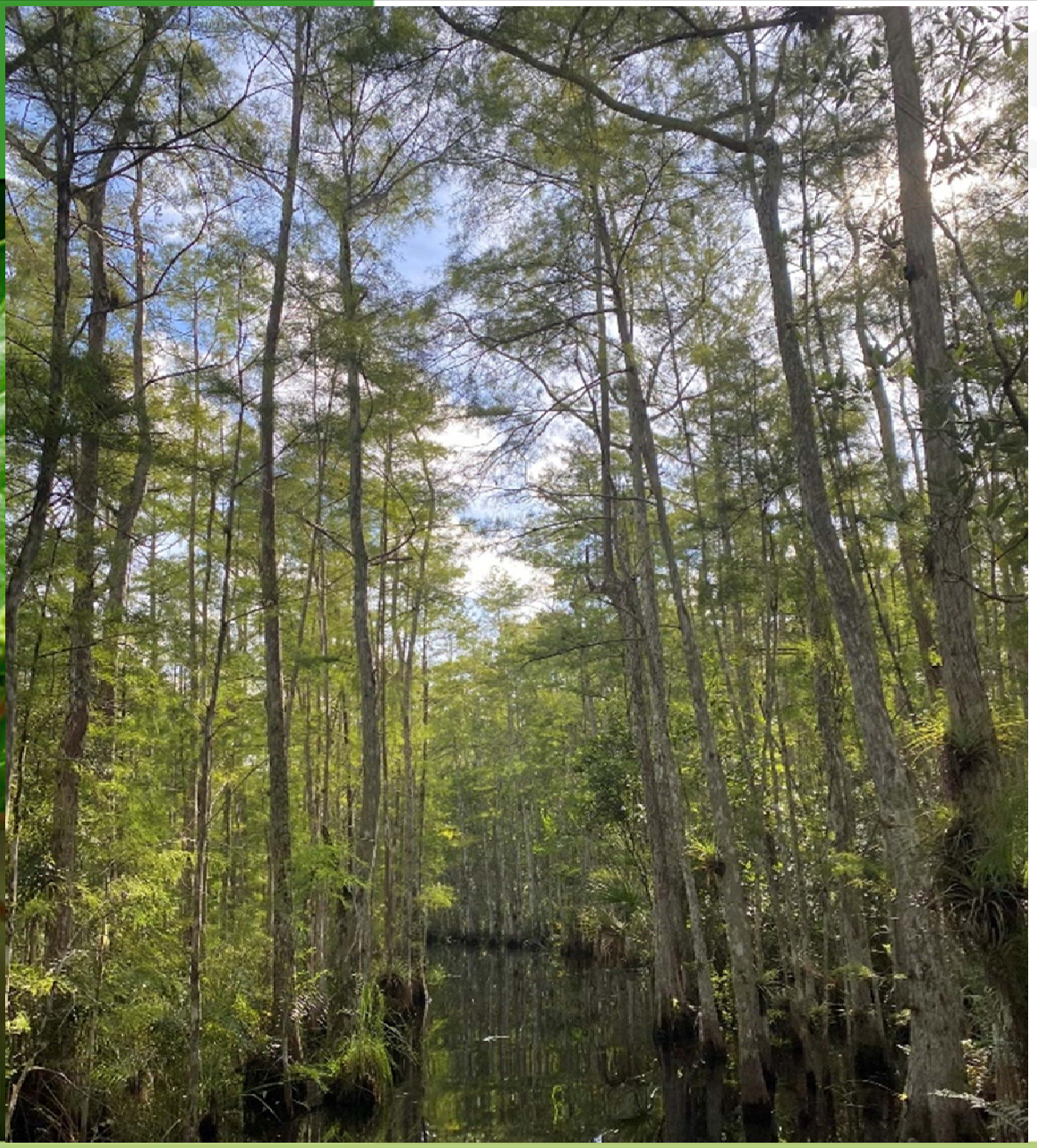
- Inline Weir on L-28i, to prevent water level drawdowns on Big Cypress Reservation
- Plug and backfill of L-28i extending approximately 1.5 miles north of I-75 (no flow out of L-28i)
- Levee degrade and backfill of L-28i, L-28i ext., and L-28N south of I-75 (“Triangle”)
- Tree Island Restoration along L-28i
- Vegetation restoration near L-28 ext. and S-140.

Western Everglades Restoration Project (WERP)



Proposed features on the C-139 Annex:

- 3,420-acre North Feeder STA: Treats water from the North Feeder Canal Basin to meet planning target of 13 ppb TP (FWM)
- Canal improvement inside Pond 5N & 5S
- Flows from the STA are released into the L-3 Canal toward the northwest corner of WCA 3A



Questions?