



HIGH WATER CONDITIONS IN THE SOUTH FLORIDA REGION

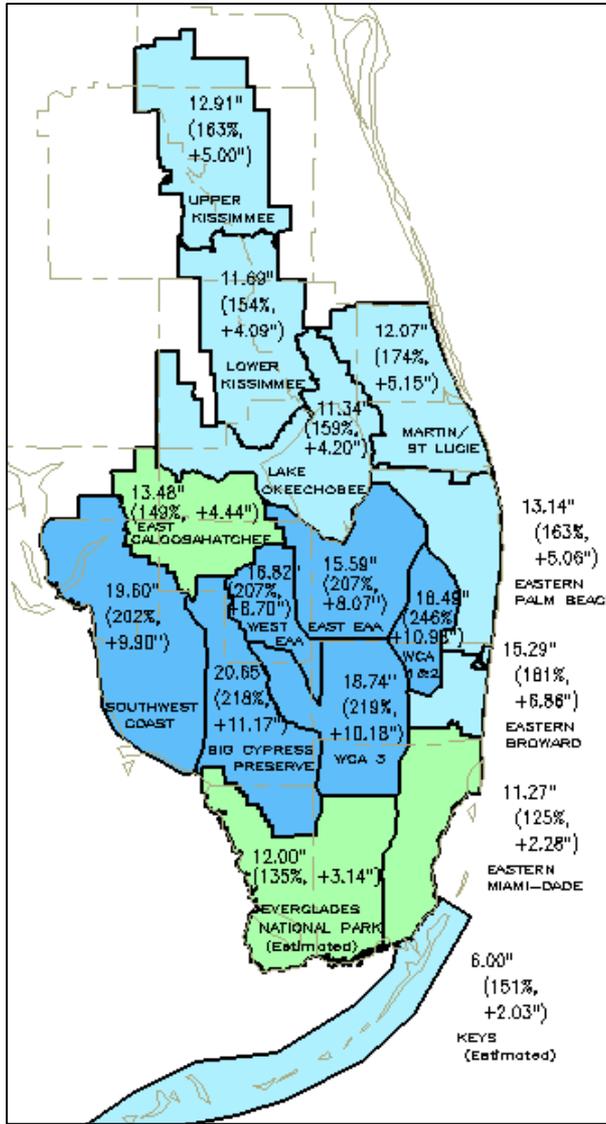
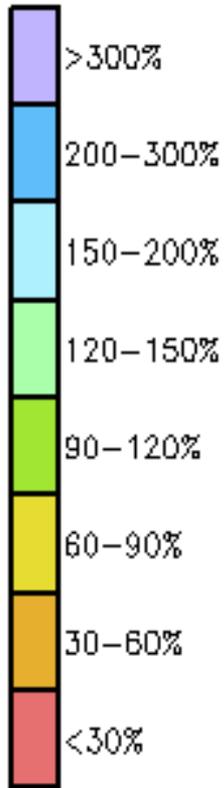
Juliane T. LaRock, P.E.
Water Quality Bureau

Technical Oversight Committee
July 18, 2017

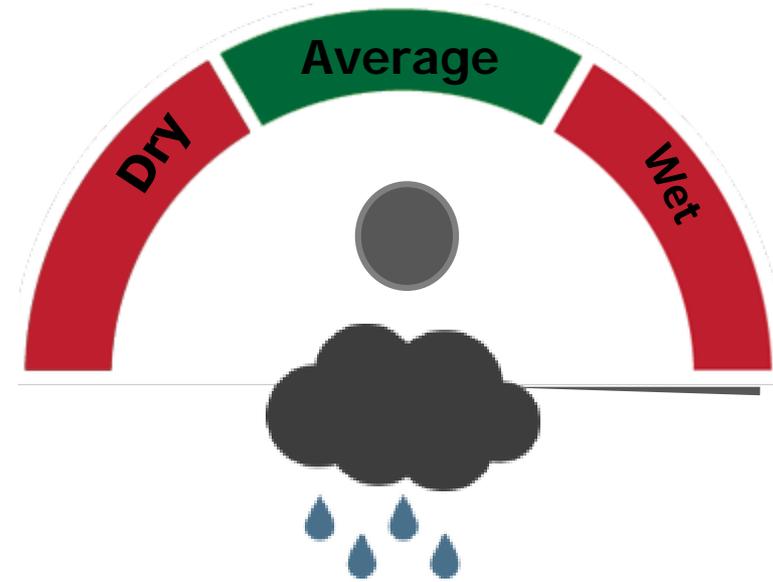


Introduction

- For Informational Purposes
- John Mitnik's Governing Board Briefing, July 13, 2017
- High Rainfall events in June 2017
- FDEP issued Emergency Final Order OGC No. 17-0867



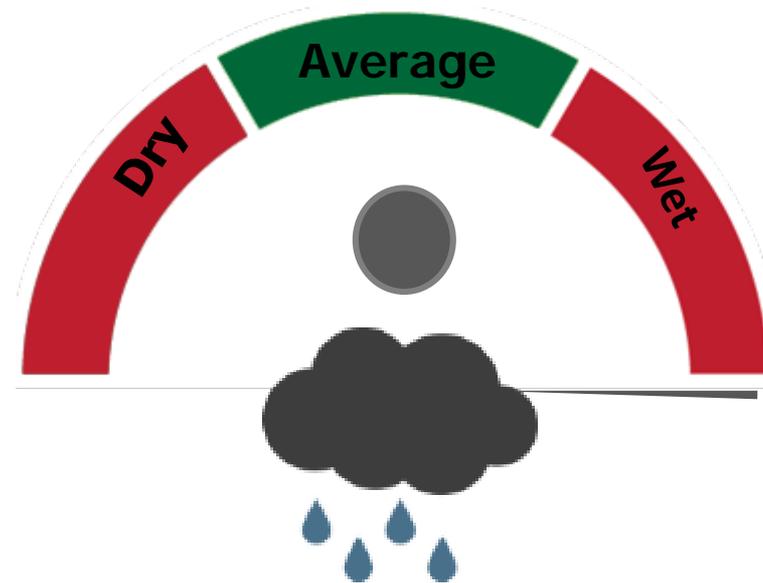
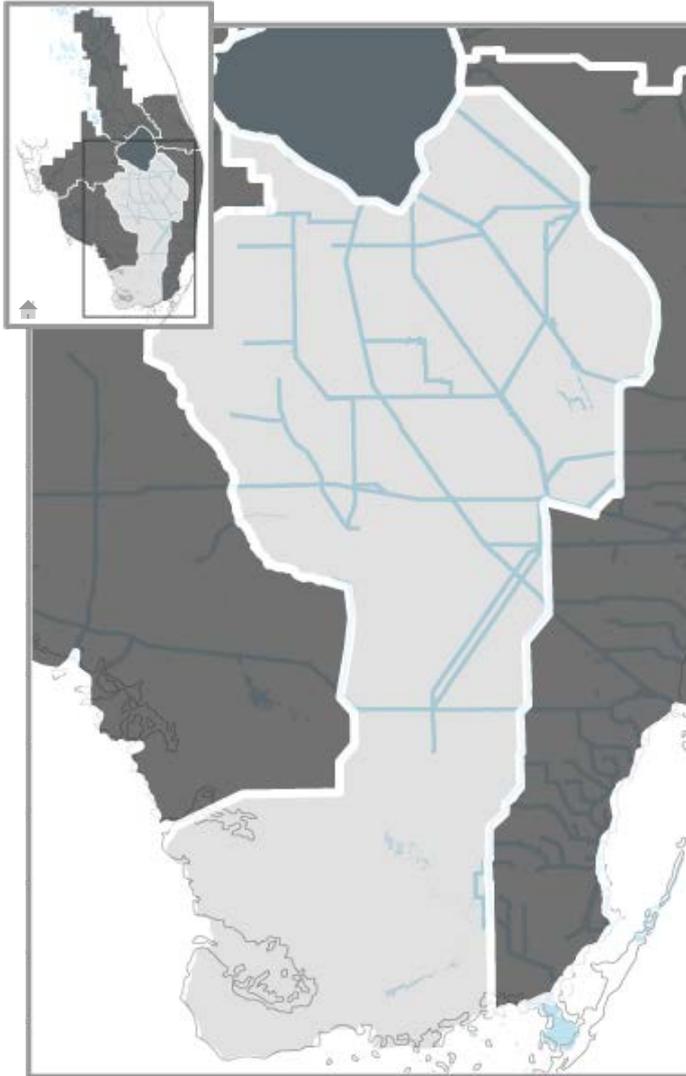
Measured (% of Avg, Diff From Avg)



SFWMD June 2017 Rainfall District-wide: 14.97"

- All areas in the District experienced rainfall at least 125% of average.
- SW Coast and WCAs experienced the largest rainfall (200-300%)
- Lowest was Eastern Miami-Dade (125%)

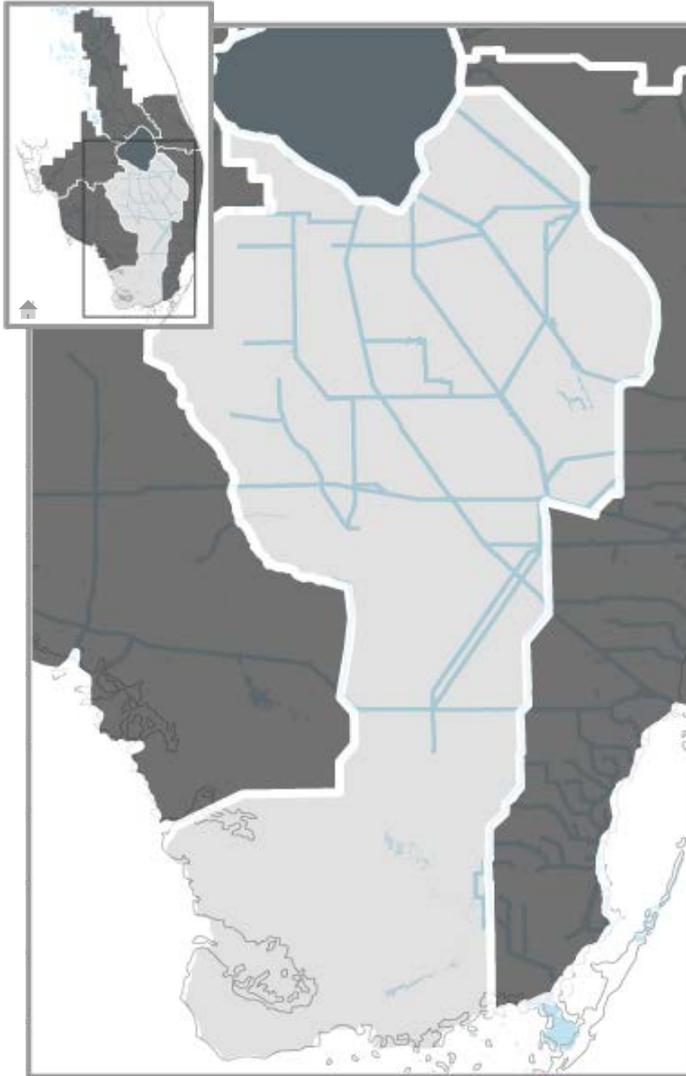
Water Conservation Areas, Everglades Agricultural Area, and Everglades National Park Rainfall



- EAA wet season rainfall is ~ 185% of average
- Wet season rainfall for WCAs is ~ 190% of average
- Rainfall at ENP was below average

Emergency Final Order

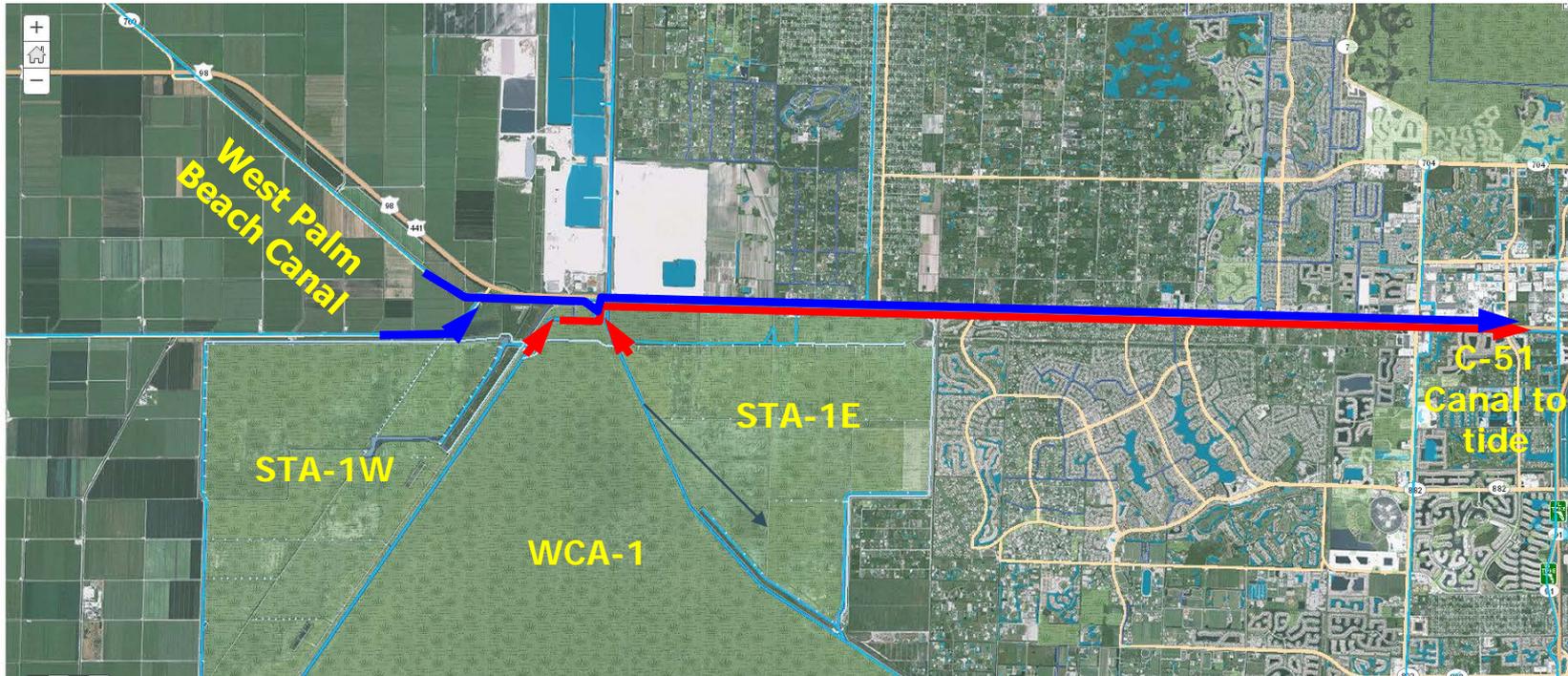
- Authorizes relief from operations permit conditions
- Authorizes construction activities
- Hydrologic and water quality monitoring continues
- Expires November 30, 2017



Operations

- LEC urban canals moving regulatory releases from the WCAs to tide
- USACE and SFWMD have implemented special and emergency operations to lower stages in WCAs

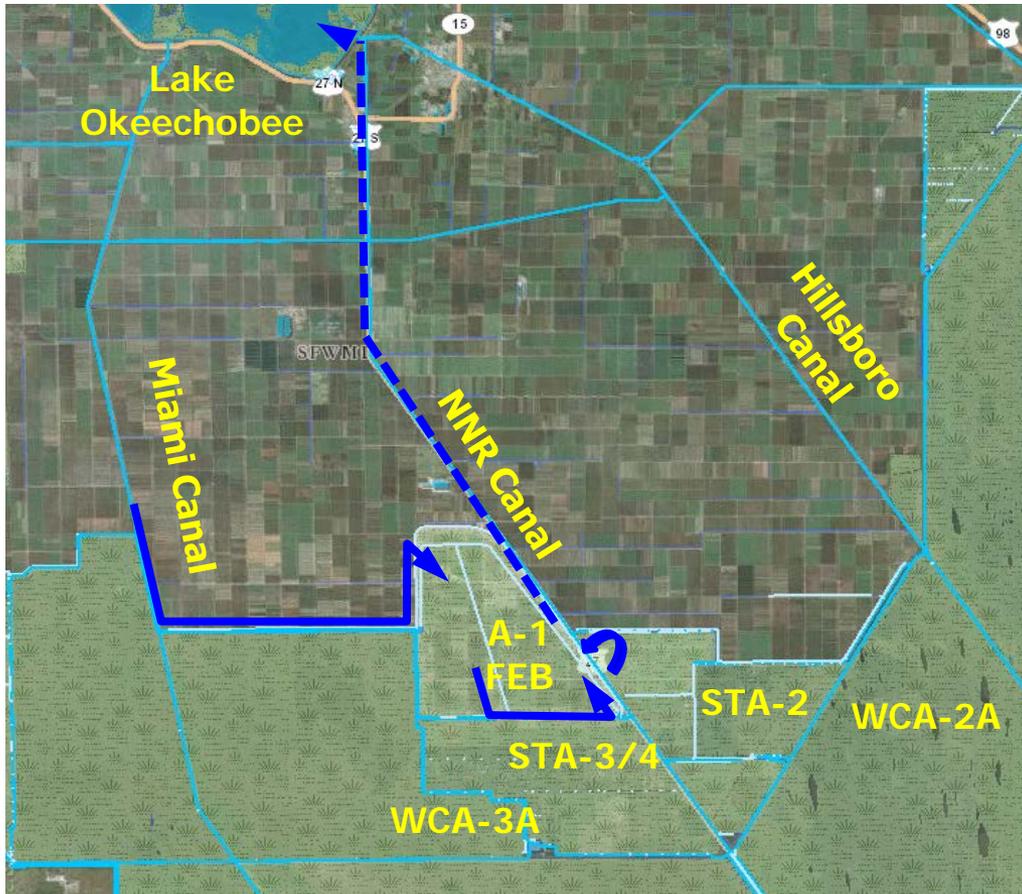
Emergency Operations to Lower Stages in WCAs



Flood Control releases from WCA-1 to tide

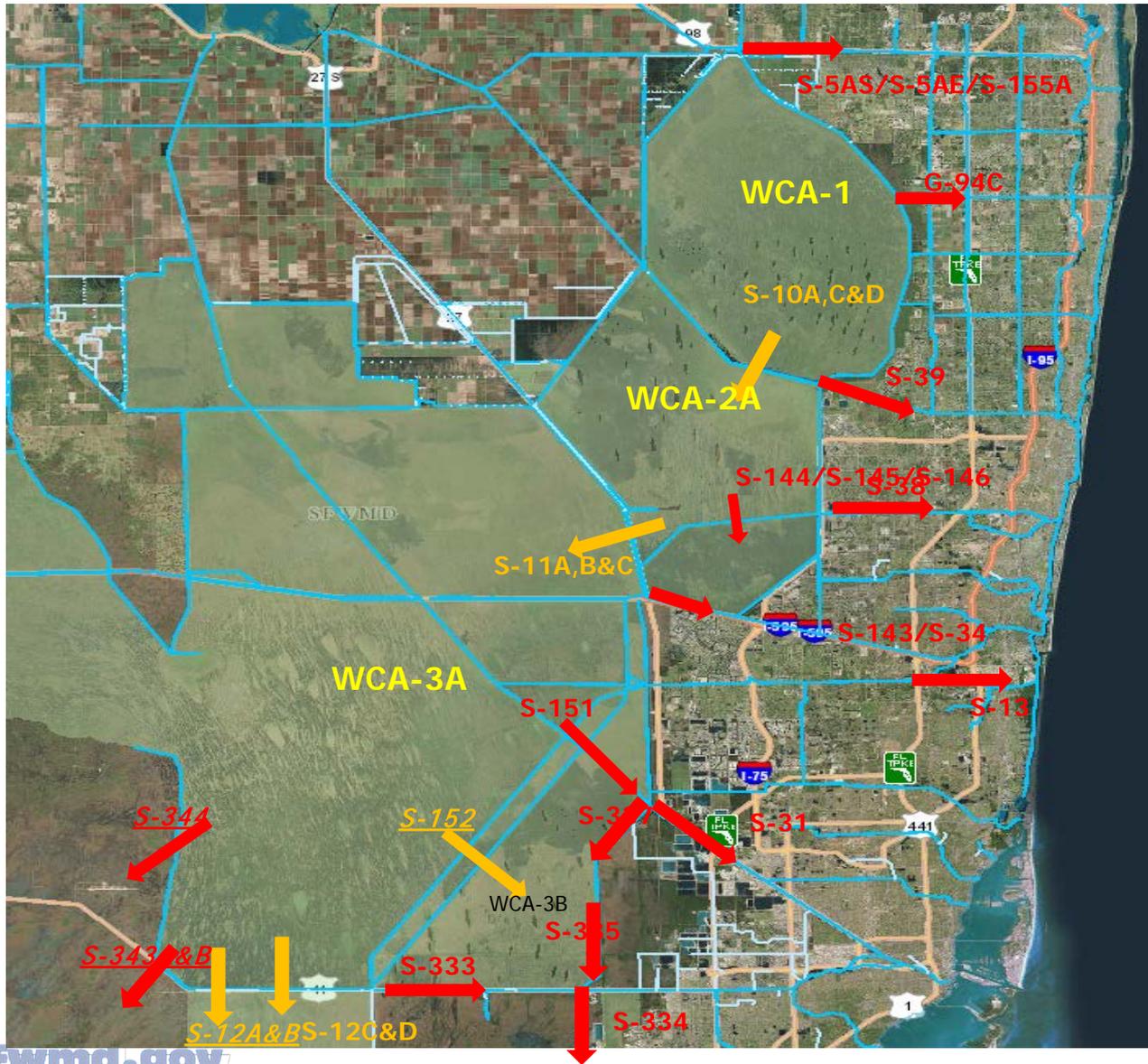
Diverting EAA runoff from STAs/WCAs to tide

Emergency Operations to Lower Stages in WCAs



- Implemented under emergency authorization by FDEP
- Miami Basin runoff sent to A-1 FEB
- Water discharged from A-1 FEB to North New River (NNR) canal to lower A-1 FEB reducing amount discharged to STA-3/4 and WCA-3A
- Discharged water from STA-2 to NNR Canal to reduce flow through STA-2 to WCA-2A
- These operations were implemented from June 24 to July 5, 2017

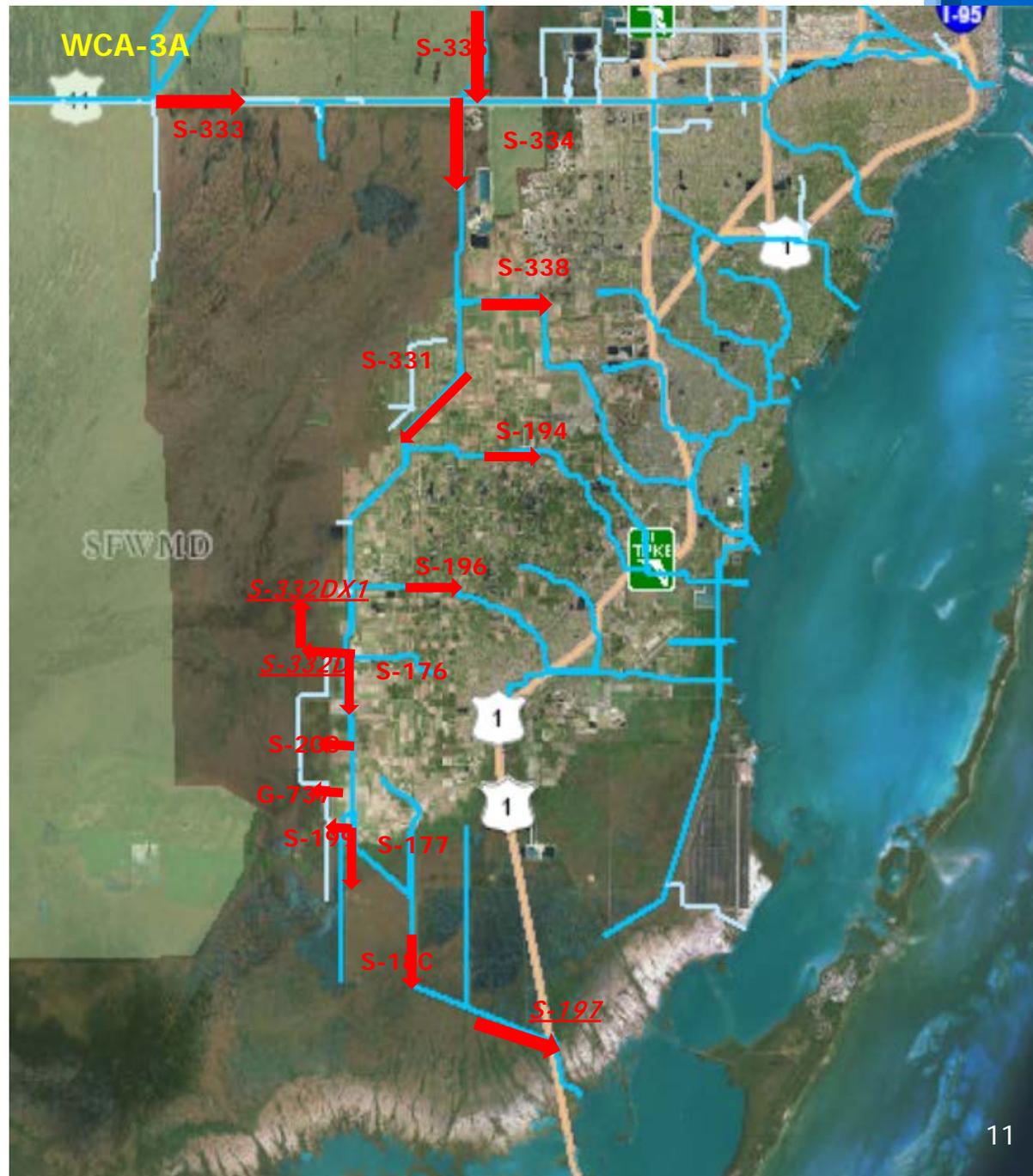
Emergency Operations to Lower Stages in WCAs



SFWMD operated structures

USACE operated structures

Emergency Operations to Lower Stages in WCAs





Questions