

BIG CYPRESS BASIN BOARD MEETING

BCB WATER CONDITIONS REPORT
August 26, 2021

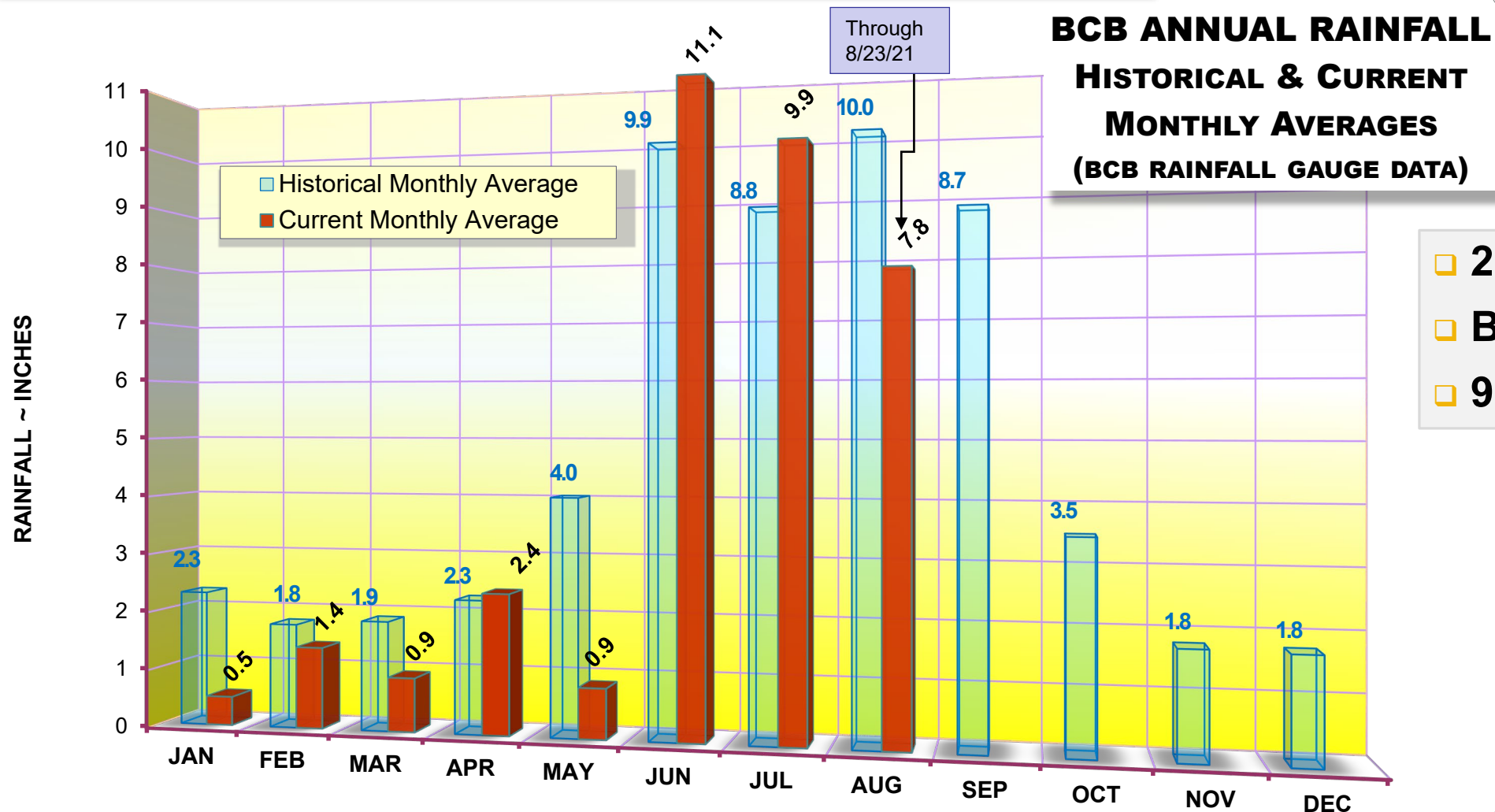


Brad J Jackson, P.E., CFM
Principal Engineer
Big Cypress Basin

DRAFT

Hydrologic Conditions ~ BCB Gauge Rainfall

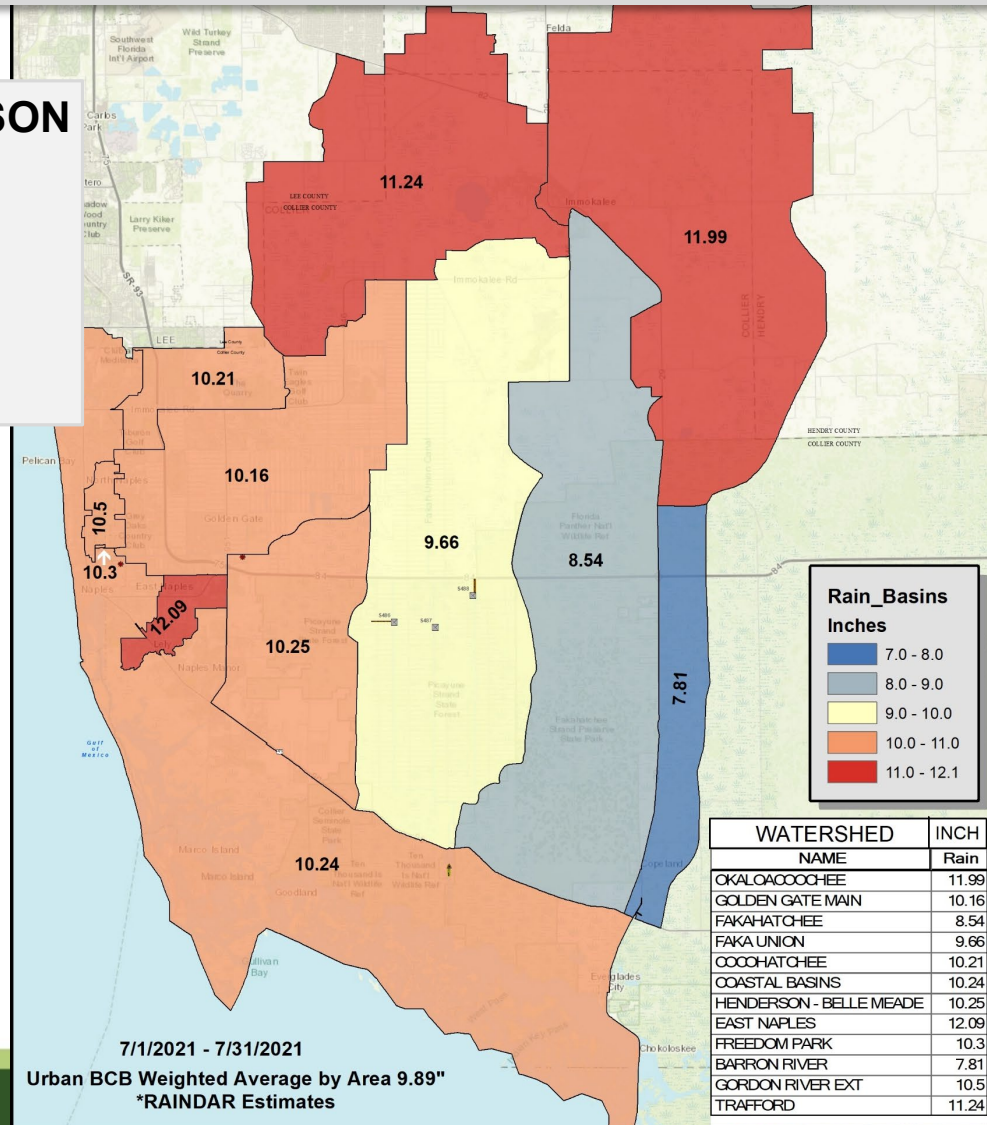
2021 MONTHLY SUMMARY



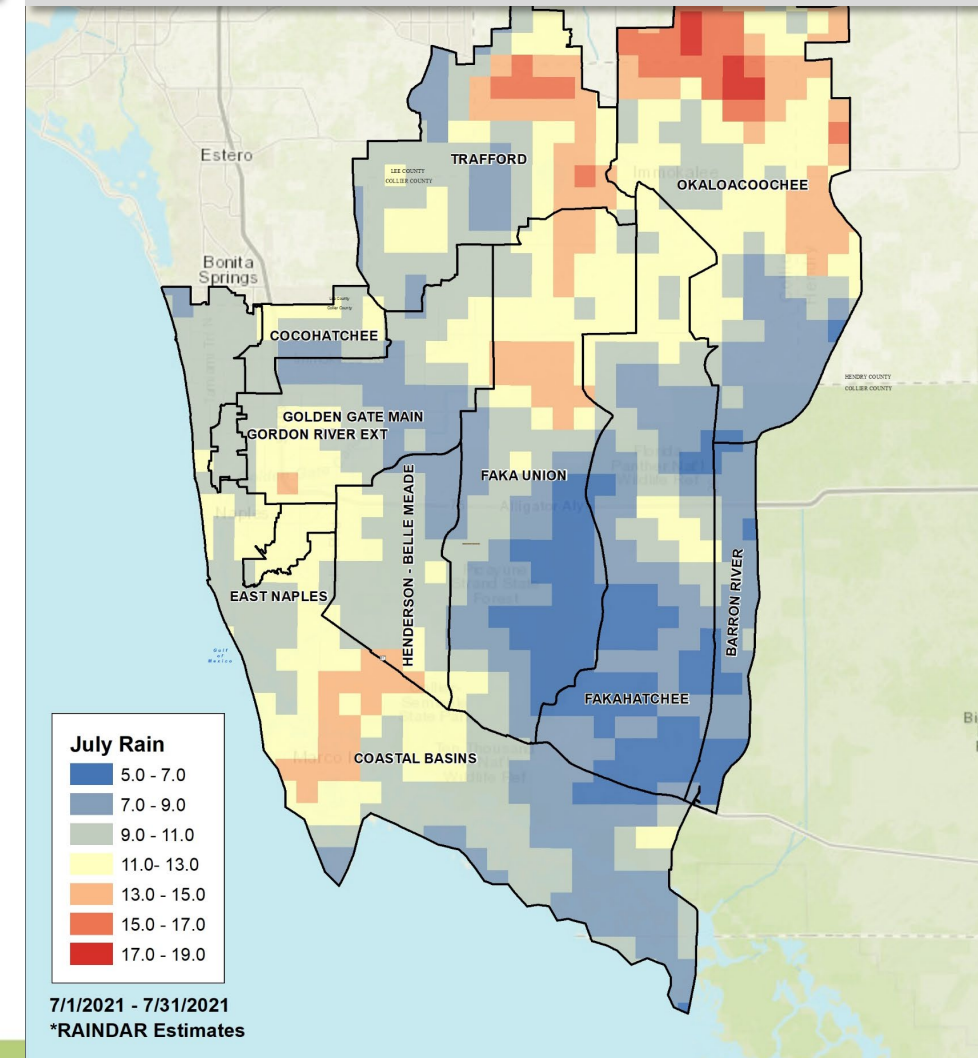
- 2021 YTD TOTAL = 34.9 IN
- BASIN AVG TOTAL = 38.4 IN
- 91% OF NORMAL YTD

Hydrologic Conditions ~ BCB Rainfall

JULY 2021 BY BASIN

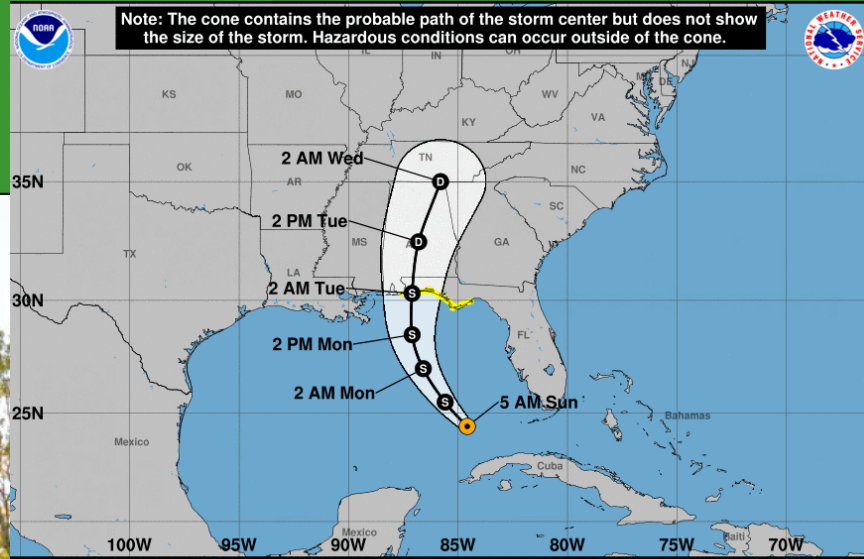


JULY 2021 RAINDAR

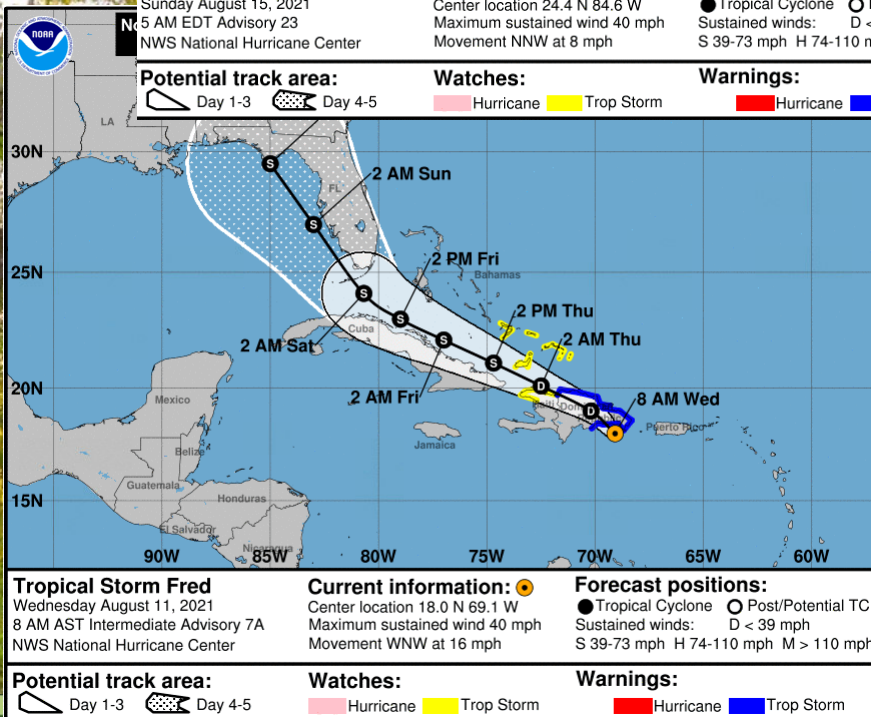
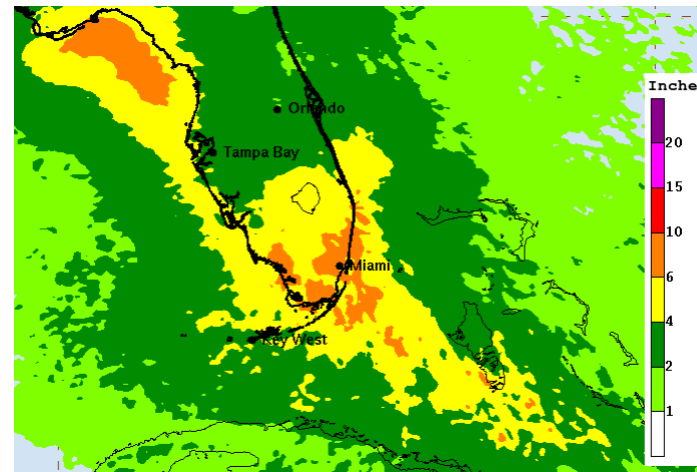
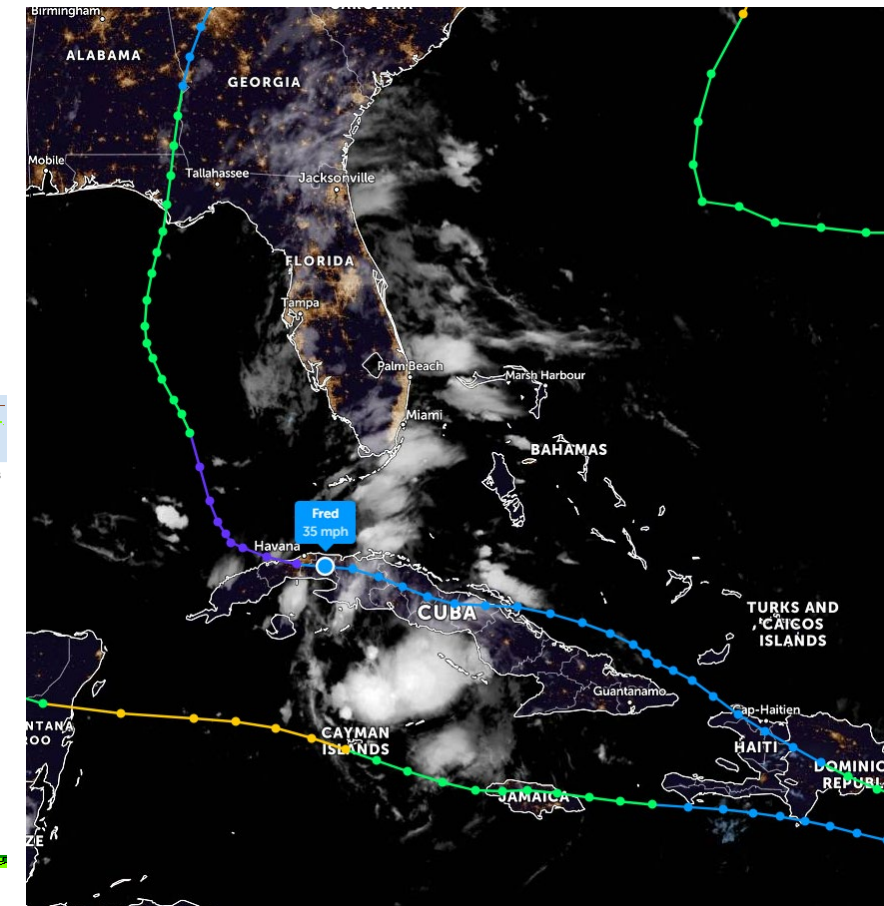


Presenter: Brad Jackson

Tropical Storm Fred



- BCB Forecast Rainfall:
4-6" average
- BCB Actual Rainfall:
2-3" average (west of
State Road 29)

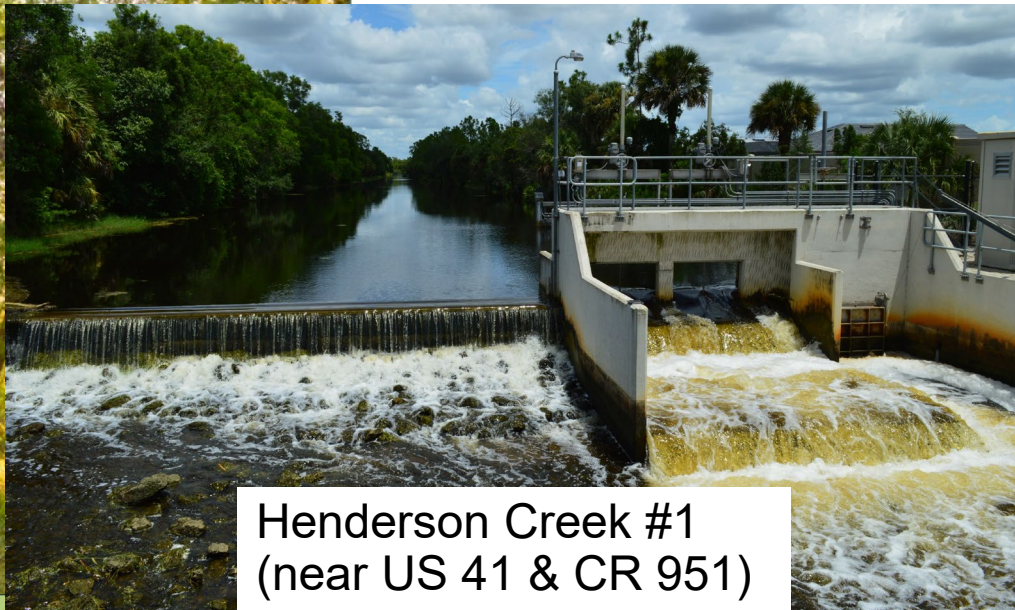


Tropical Storm Fred

Pre-Storm Operational Adjustment Examples



I-75 Weir #2
(Pine Ridge & I-75)



Henderson Creek #1
(near US 41 & CR 951)



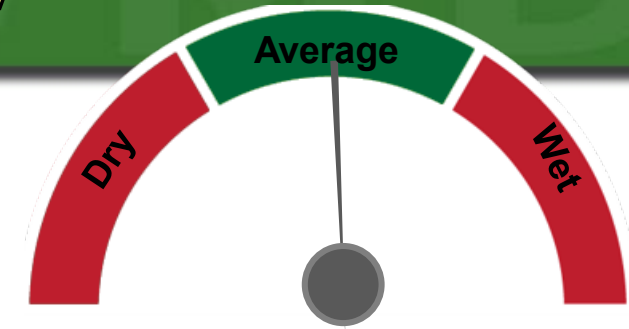
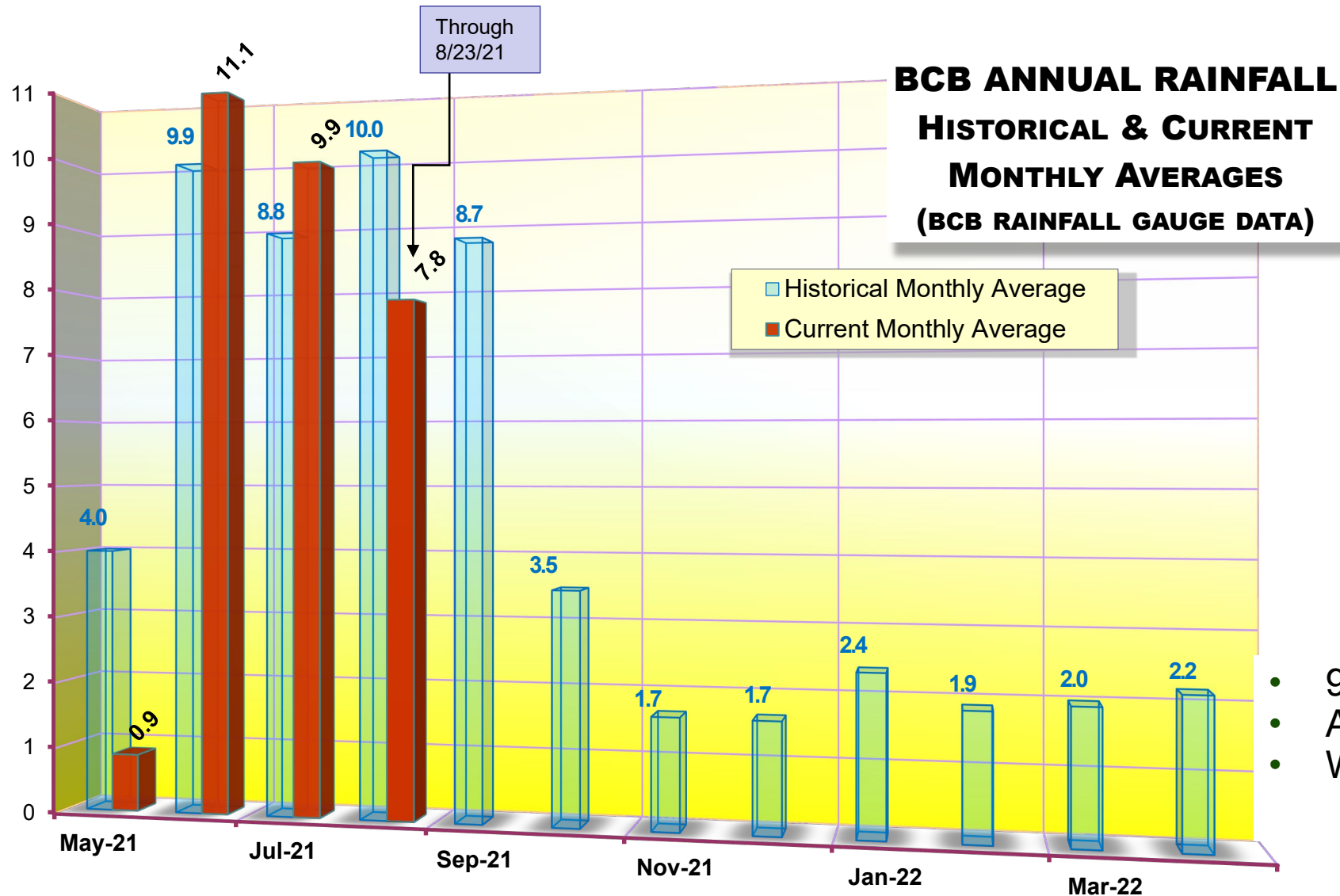
Golden Gate #4
(1 mile north of Golden Gate Blvd & 8th St NE)

Photos: August 13, 2021

AUGUST 2021 RAINDAR



BCB Water Year Summary

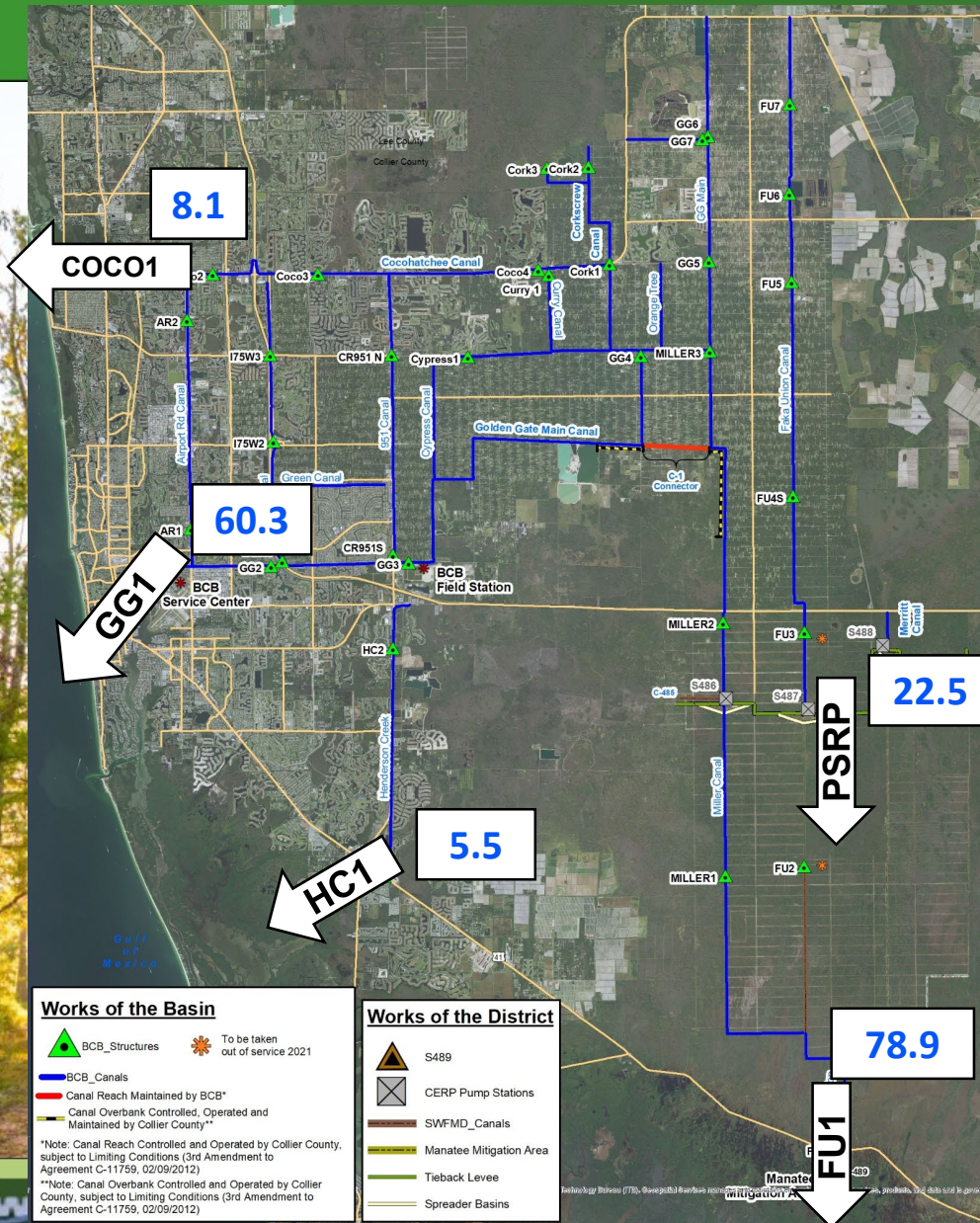


Water Year Rainfall
May 1, 2021 –
August 23, 2021
BCB Total Rainfall: 29.7"

- 99% of average
- Approx. 0.4" deficit
- Wet Season Start - May 28, 2021

BCB - Outflow Volumes

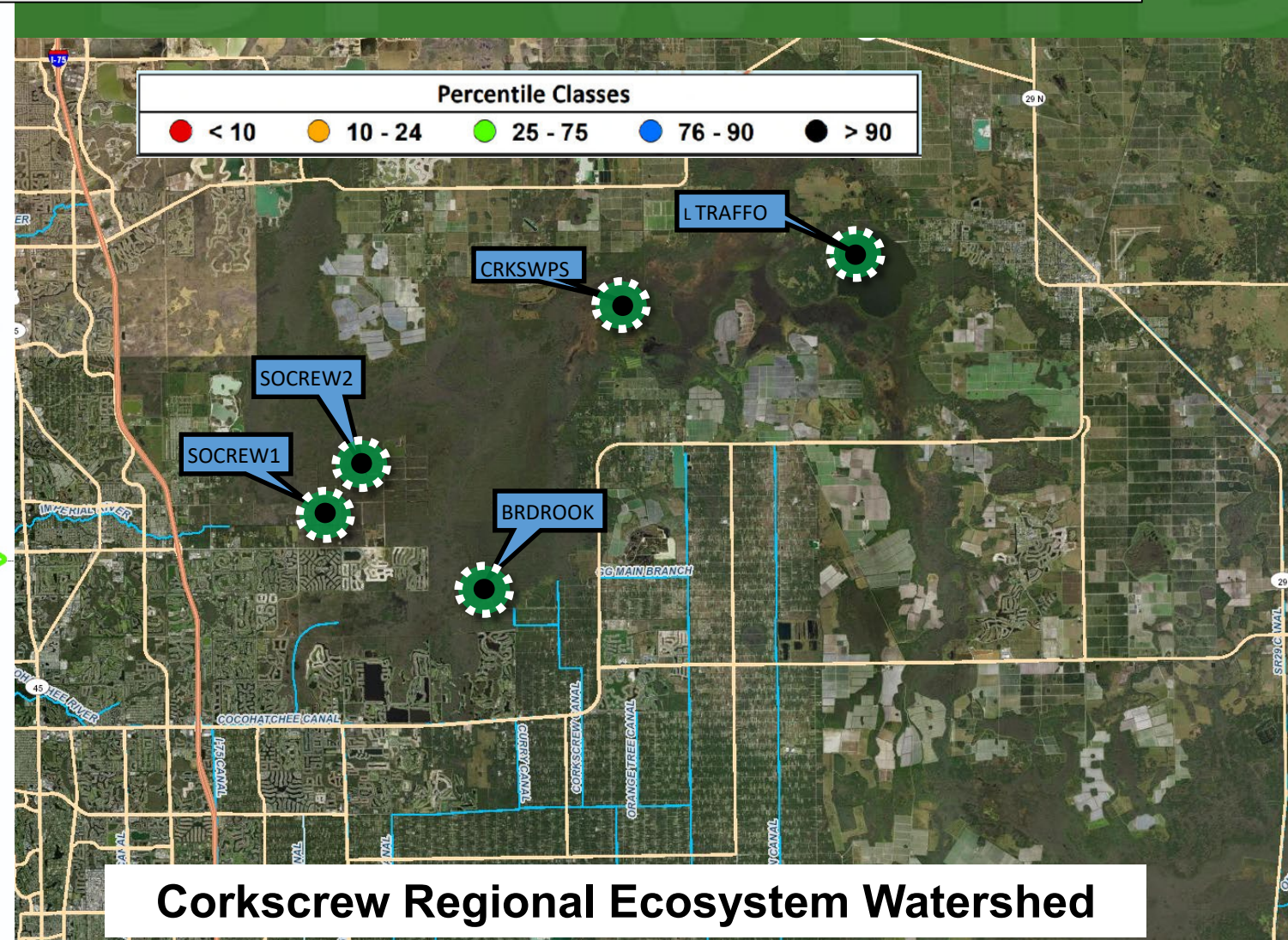
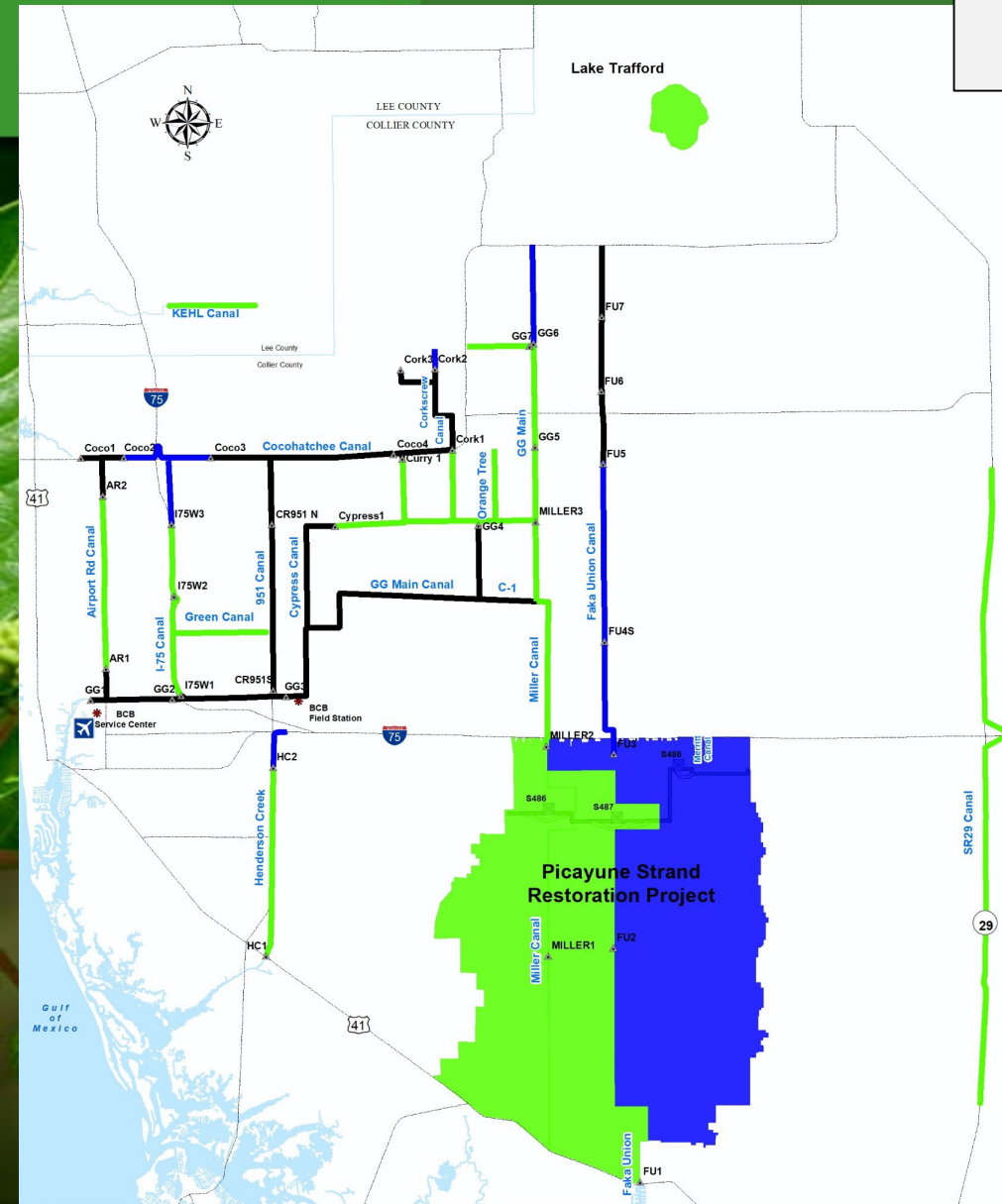
BCB – Release Volumes
(volumes in 1,000 acre-feet)
Wet Season Discharge - 05/01/21 - 08/23/21



High Flow at GG1

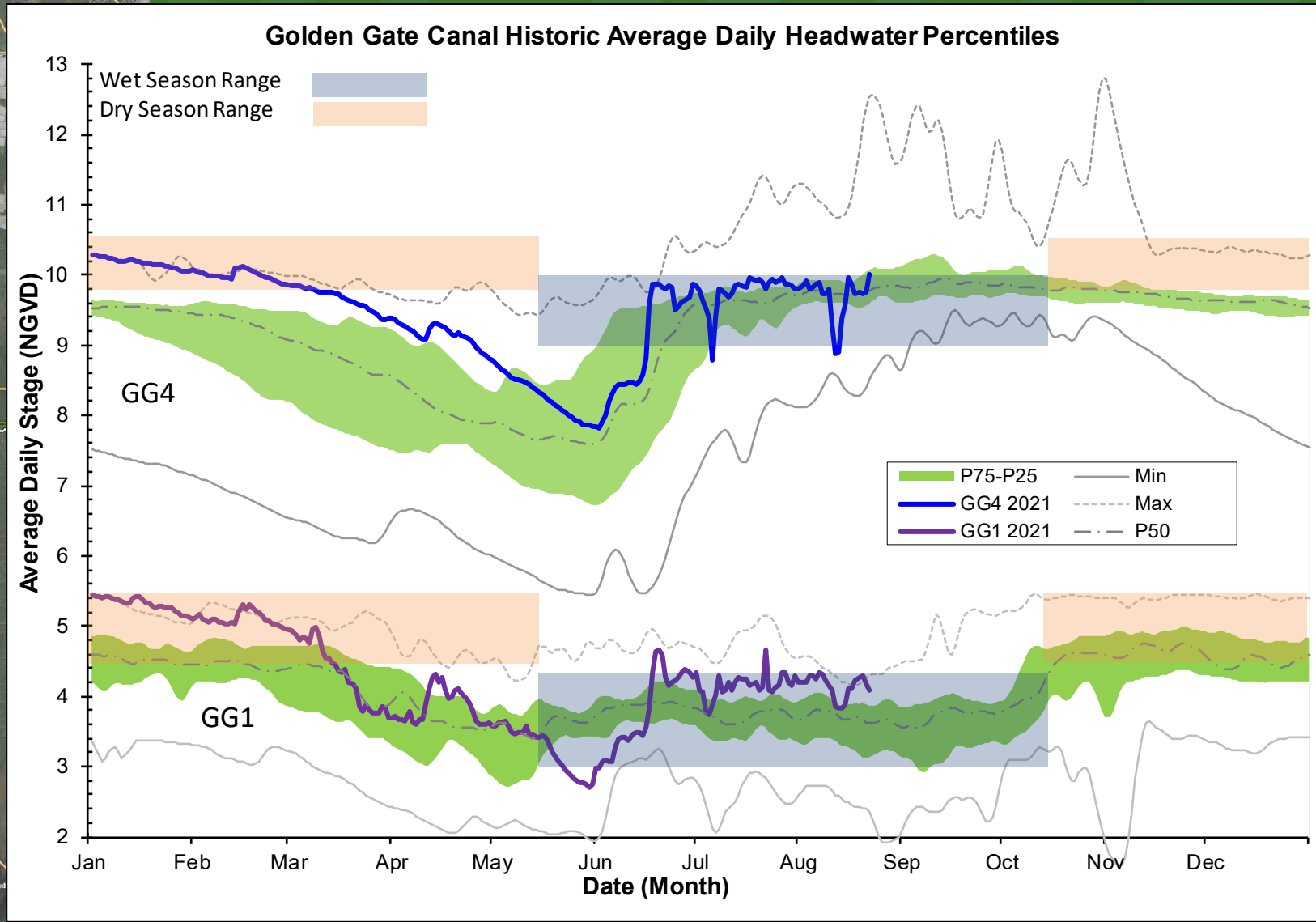
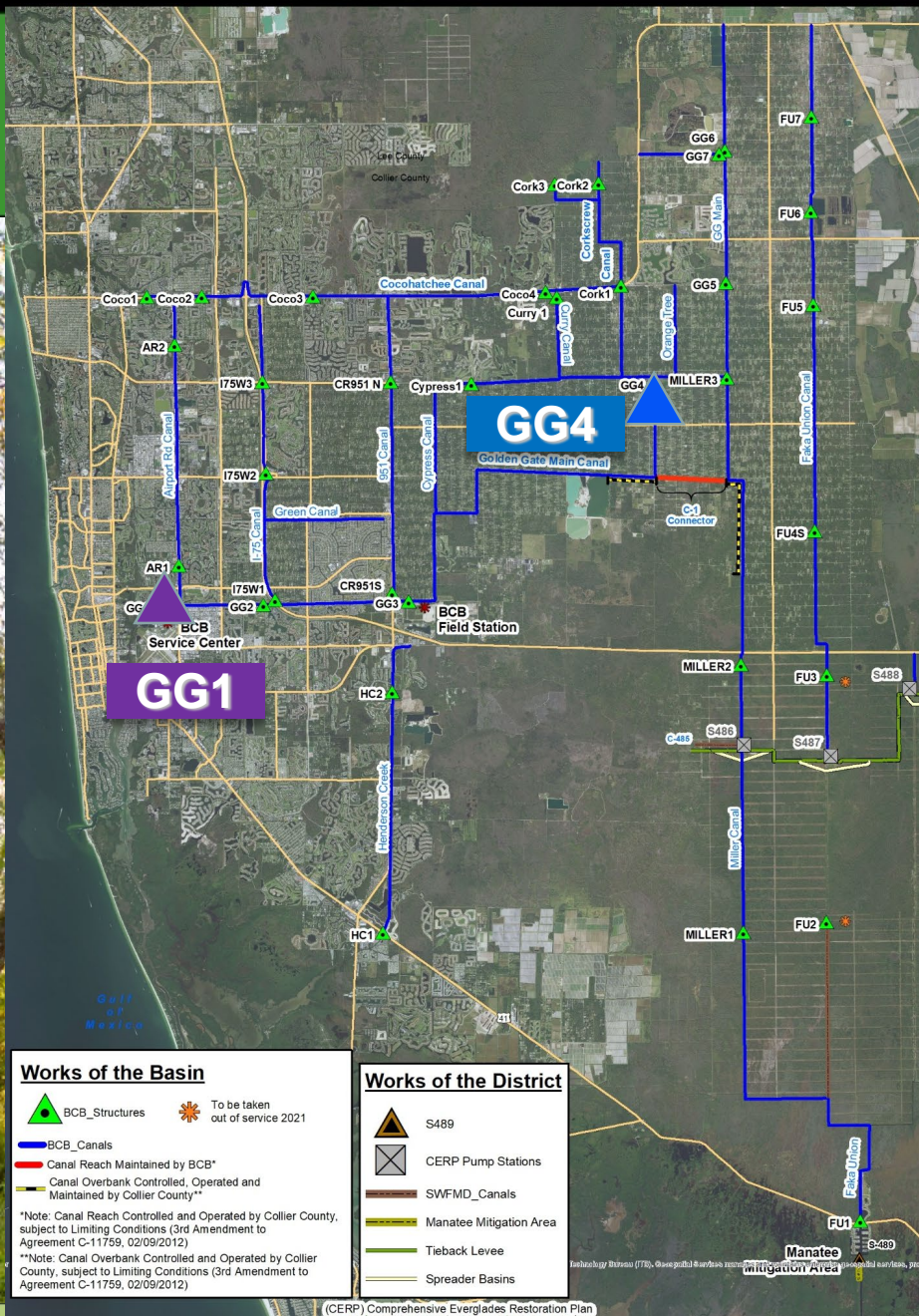
Presenter: Brad Jackson

Big Cypress Basin Hydrologic Conditions as of 8/24/2021

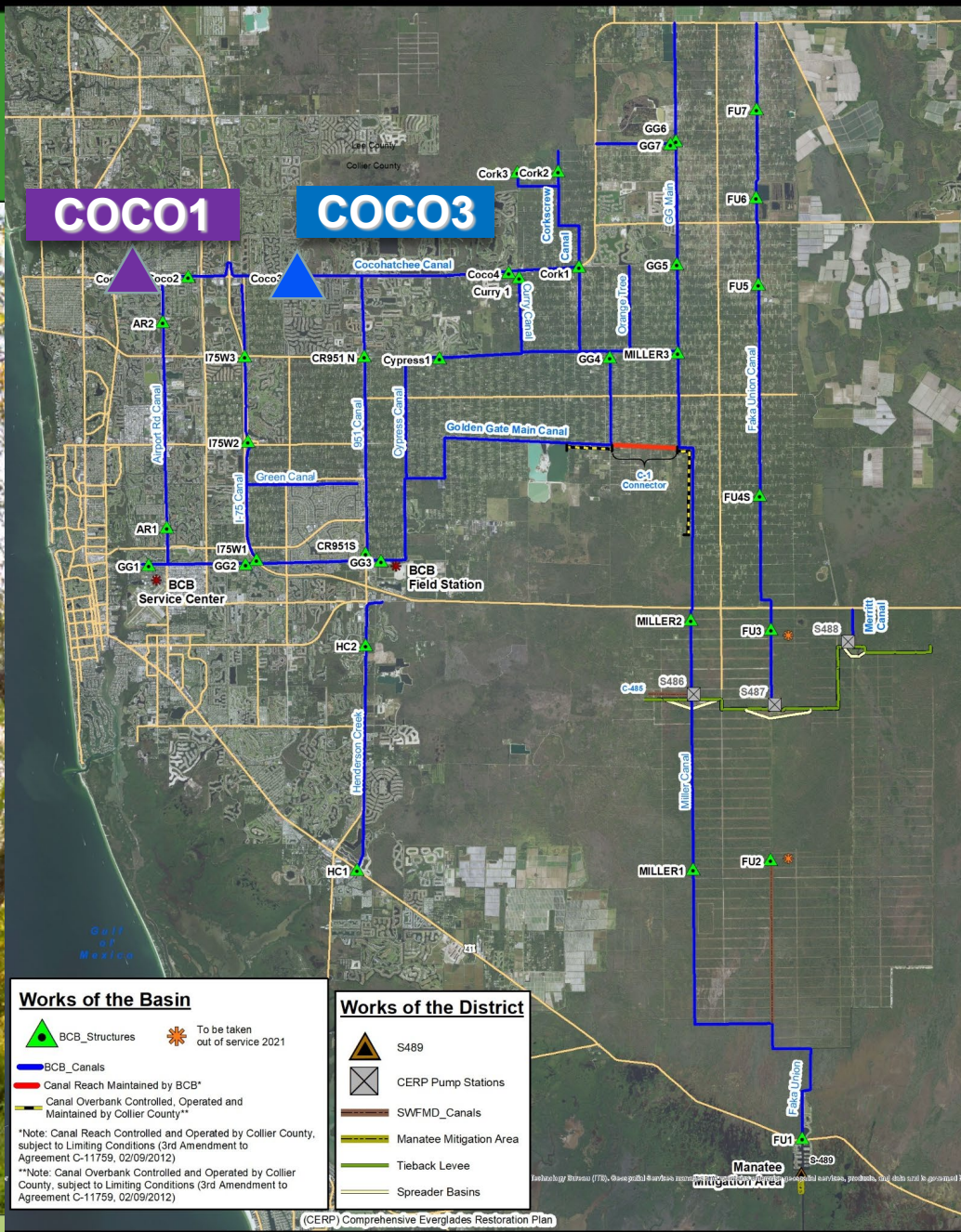


Corkscrew Regional Ecosystem Watershed

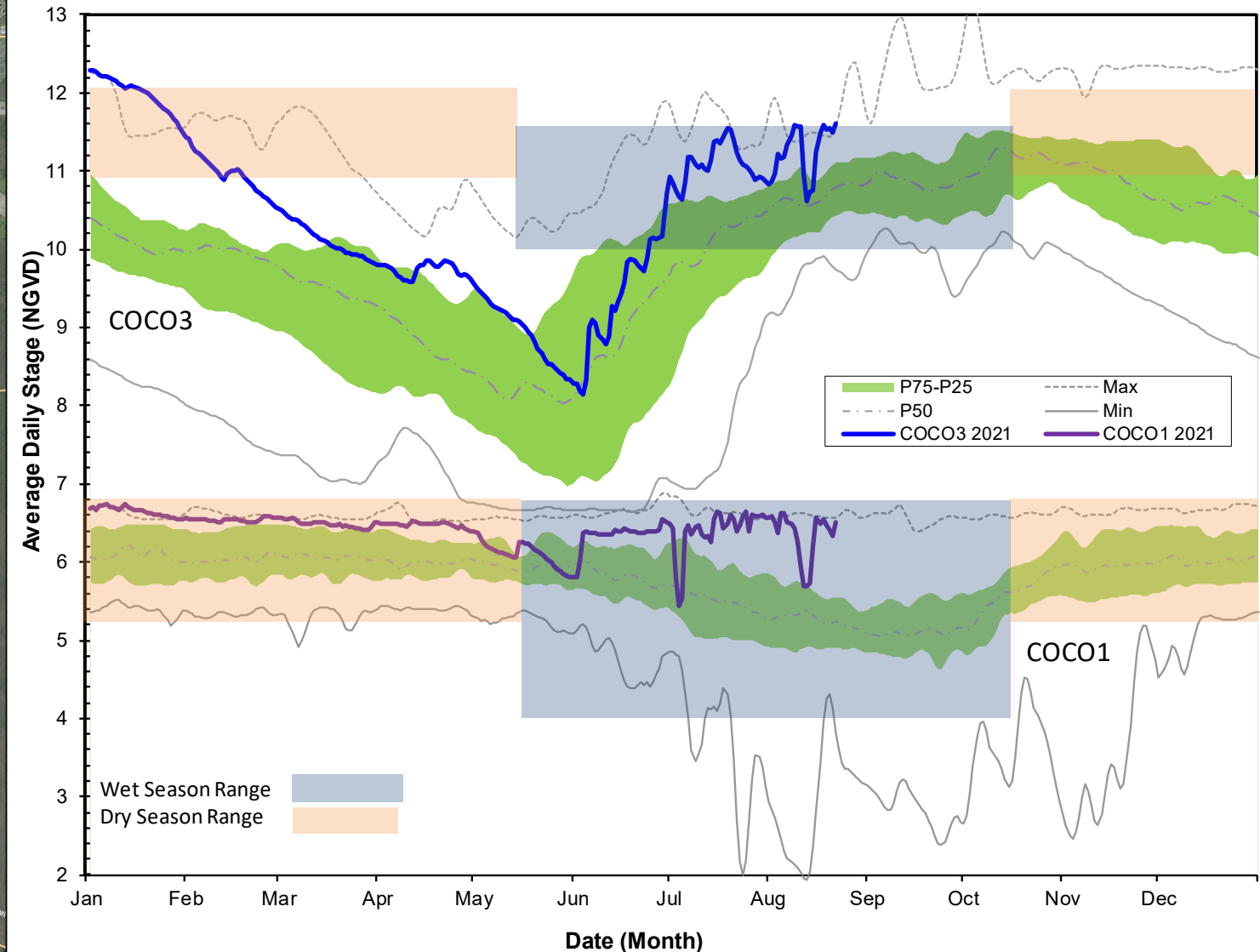
BCB Golden Gate Canal



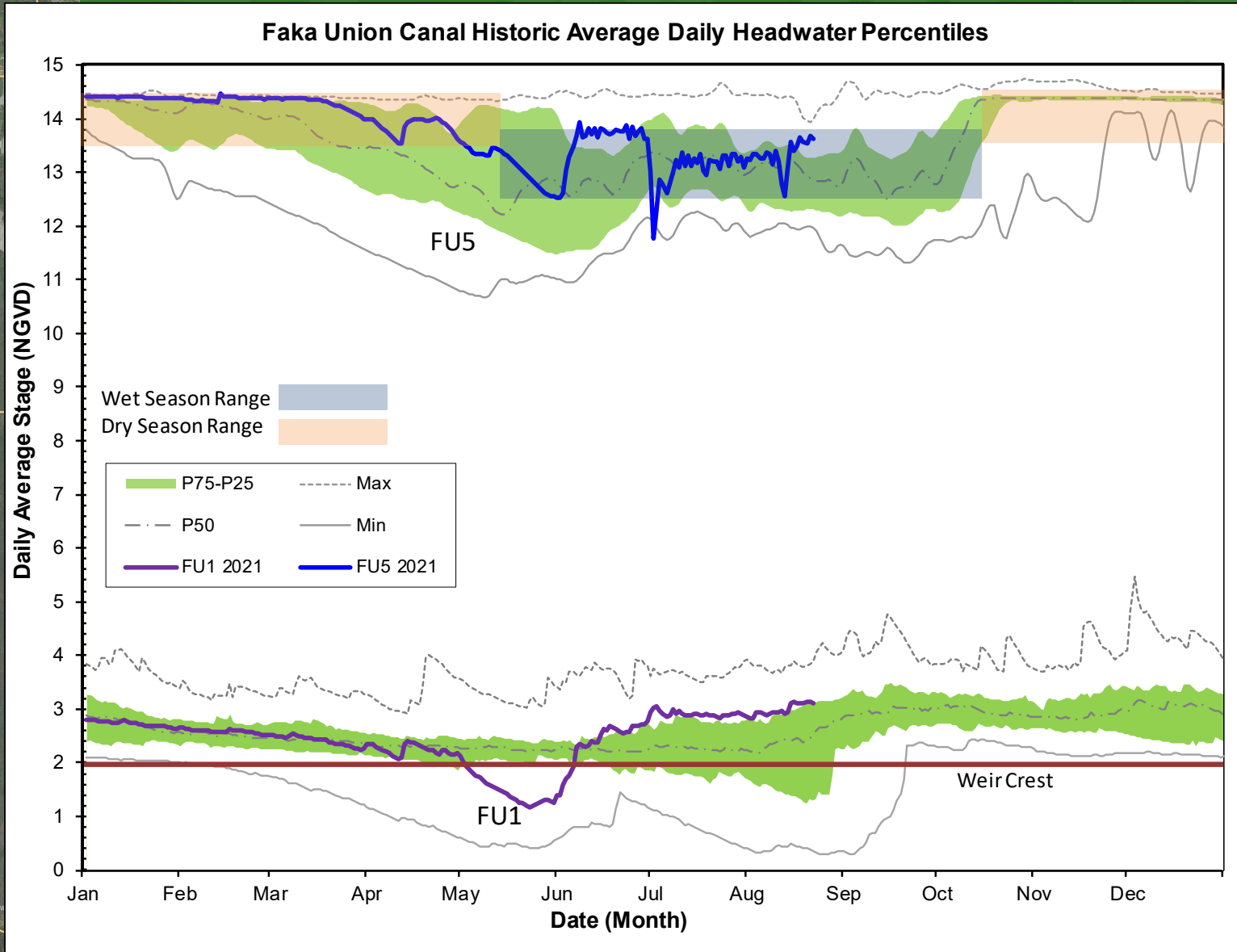
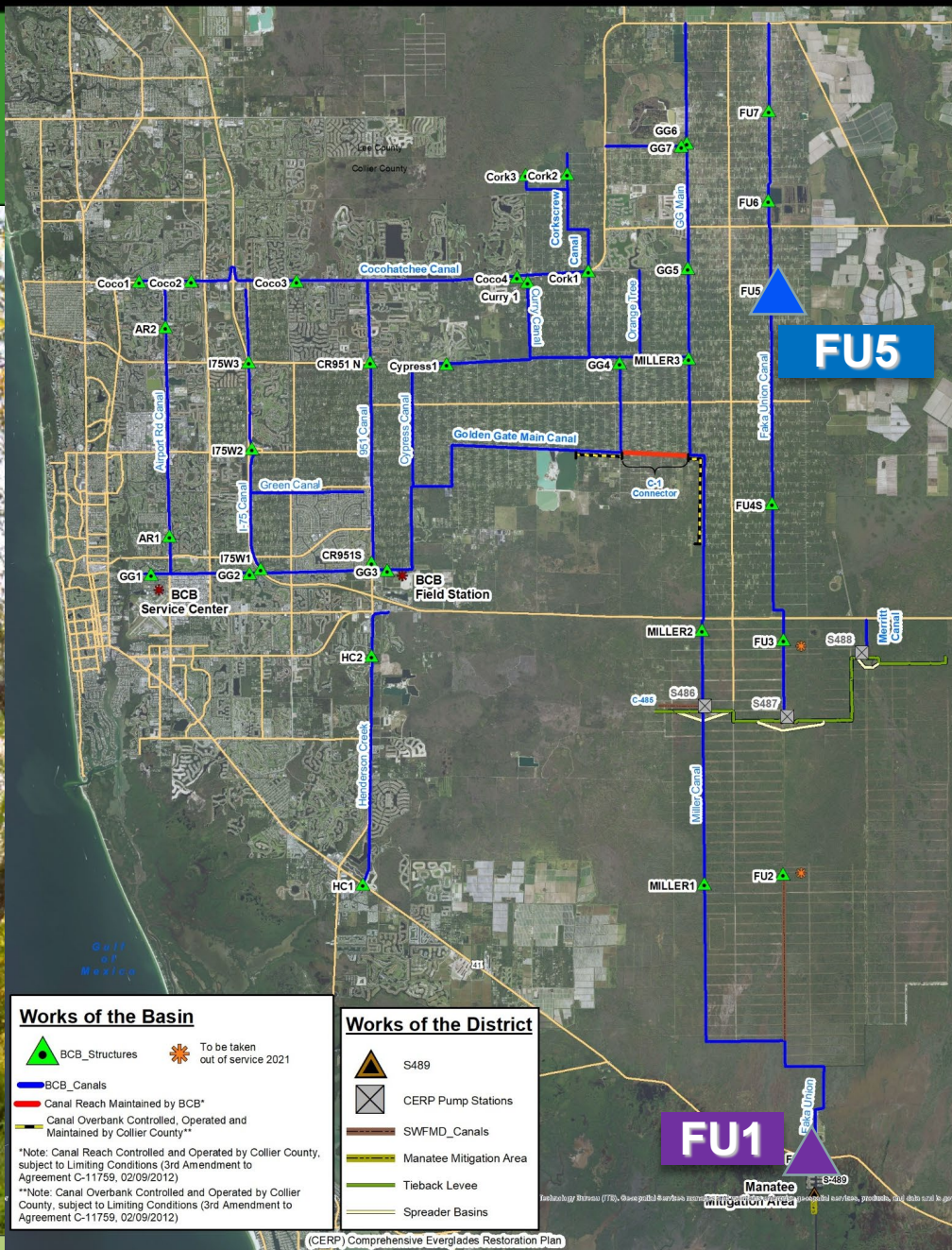
BCB Cocohatchee Canal



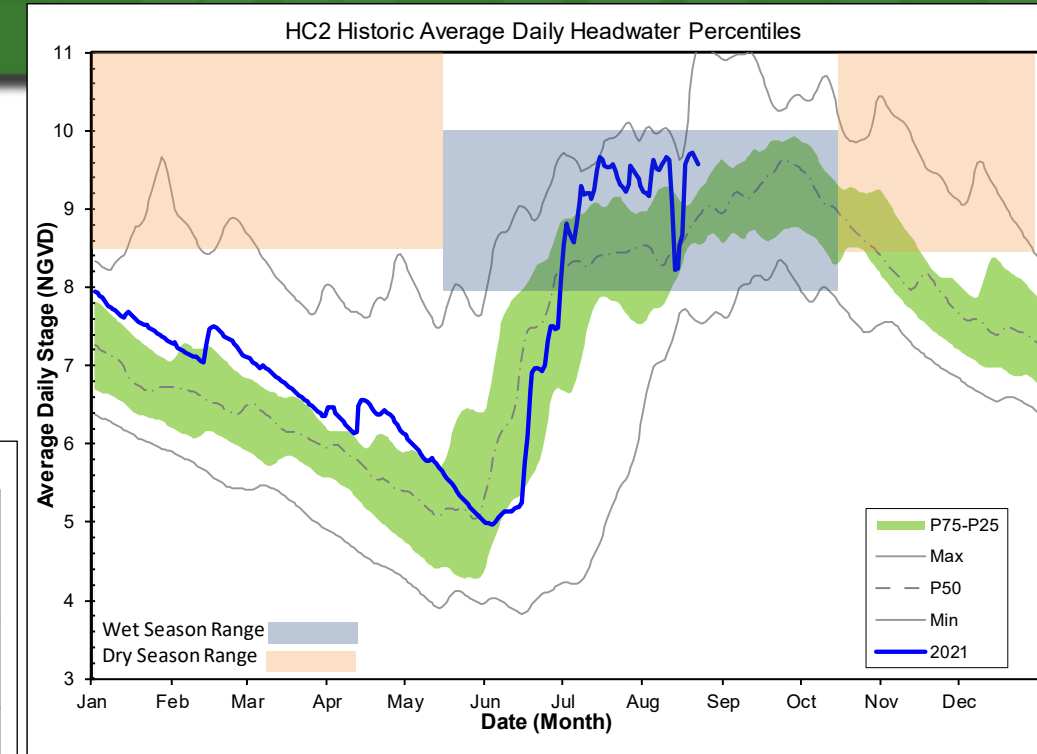
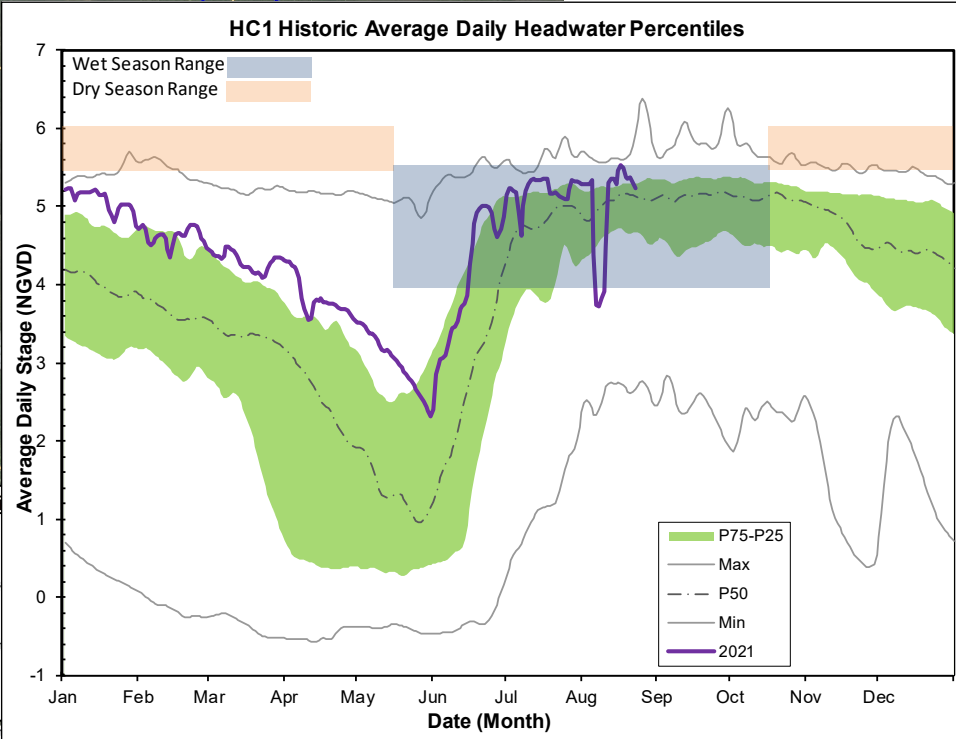
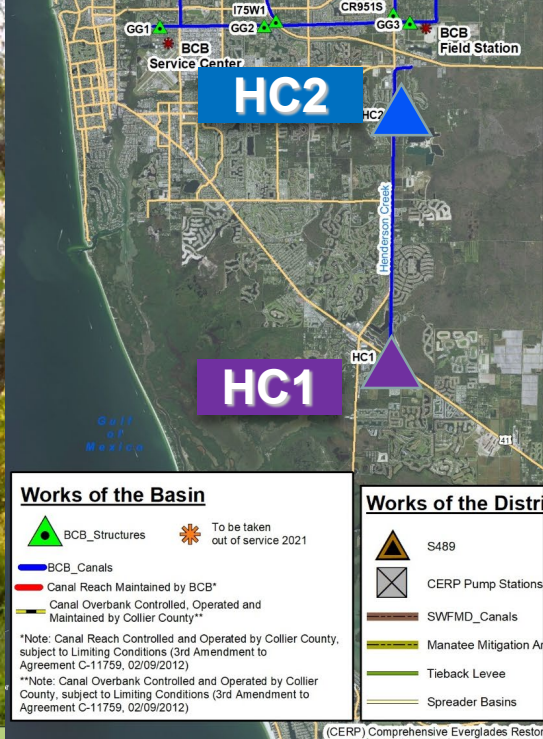
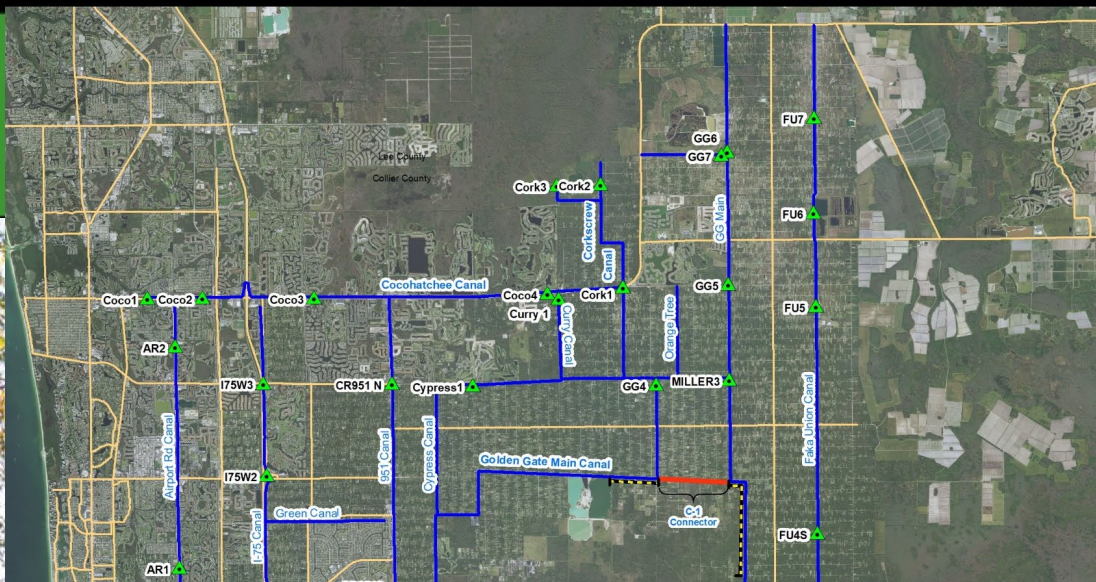
Cocohatchee Canal Historic Average Daily Headwater Percentiles



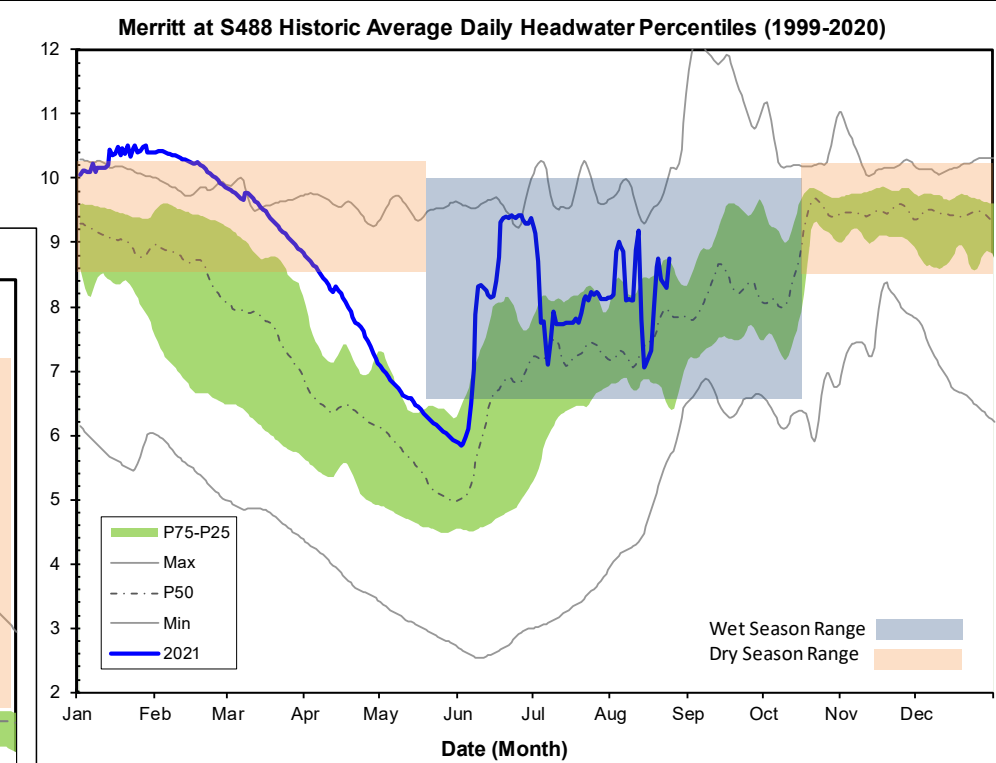
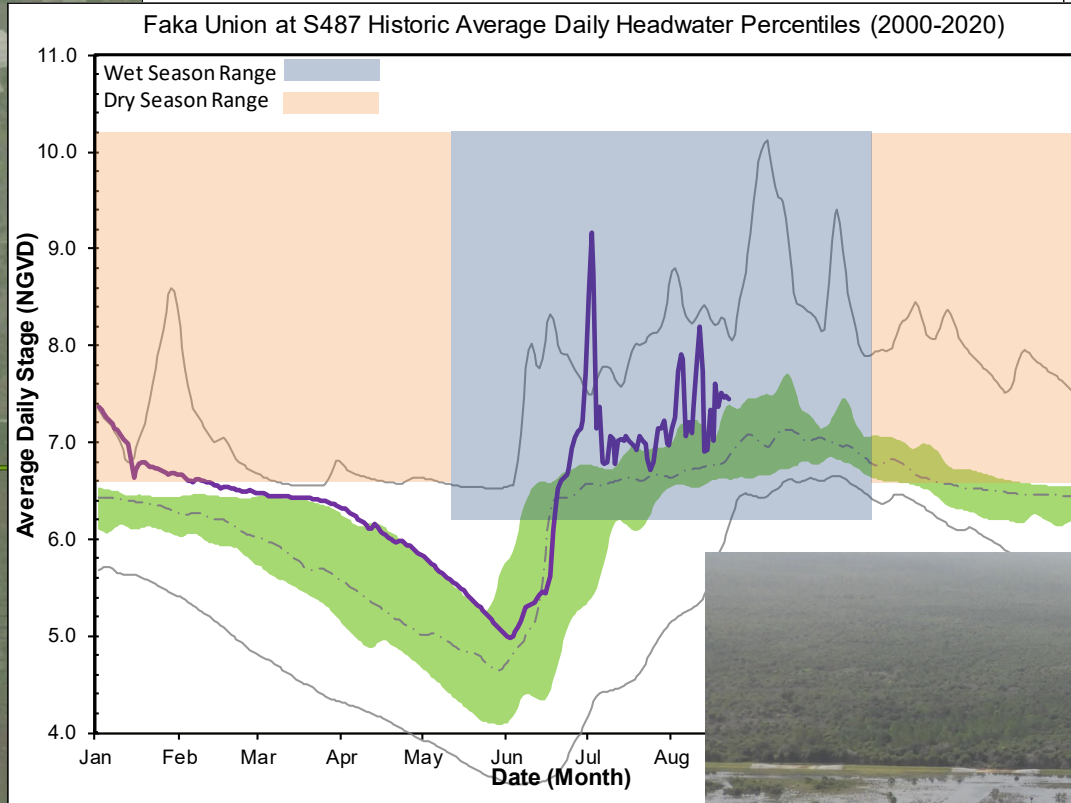
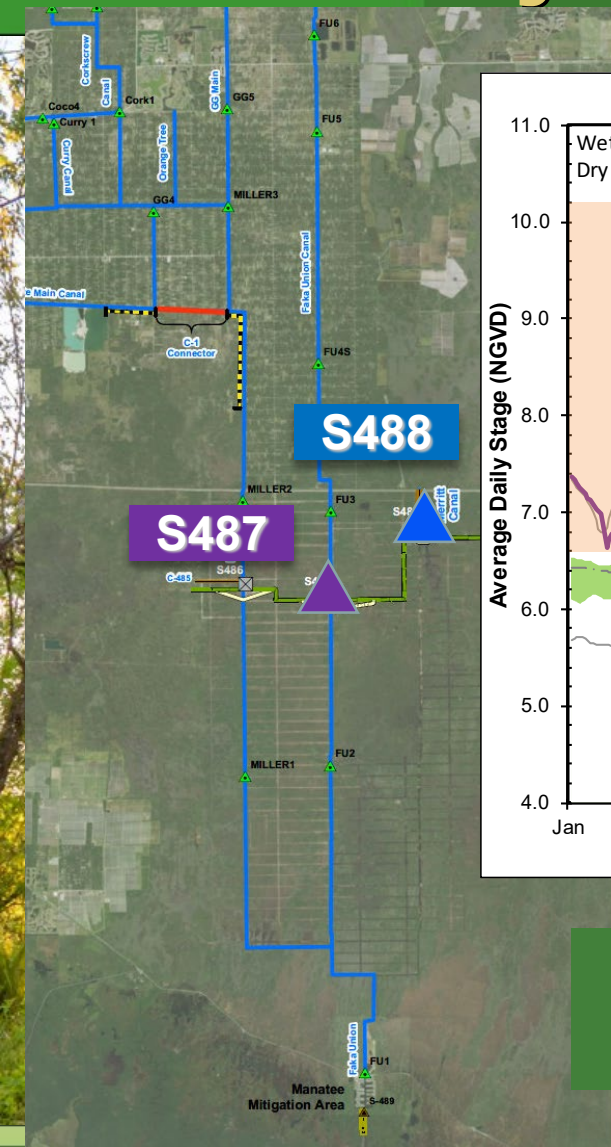
BCB Faka Union Canal



BCB Henderson Creek Canal



Picayune Strand Restoration Project Operations



August 2021 Faka Restoration Flows



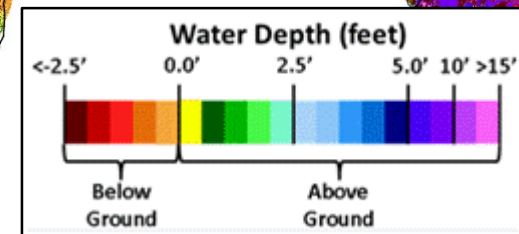
BCB Water Depth Maps

1 Month Ago: 7/21/2021

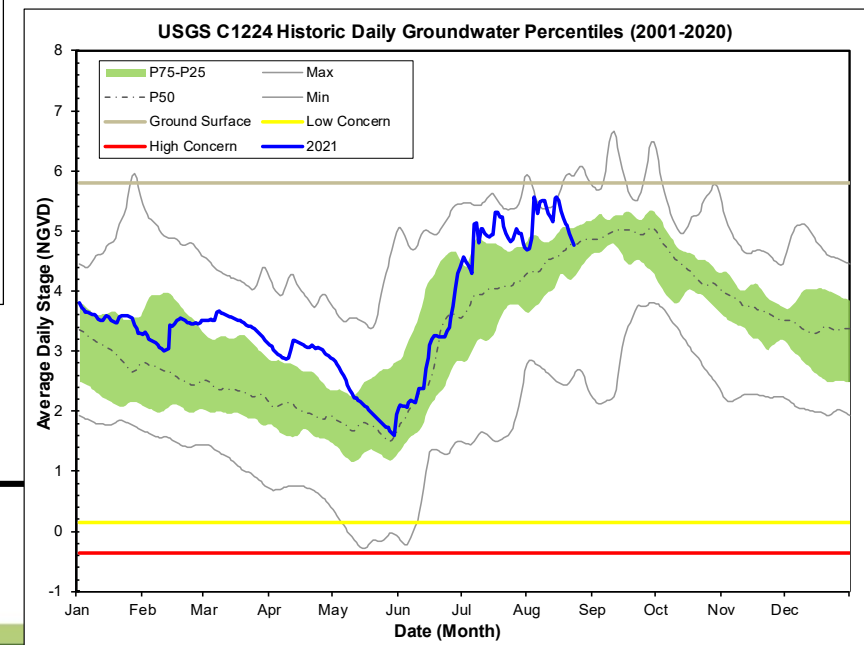
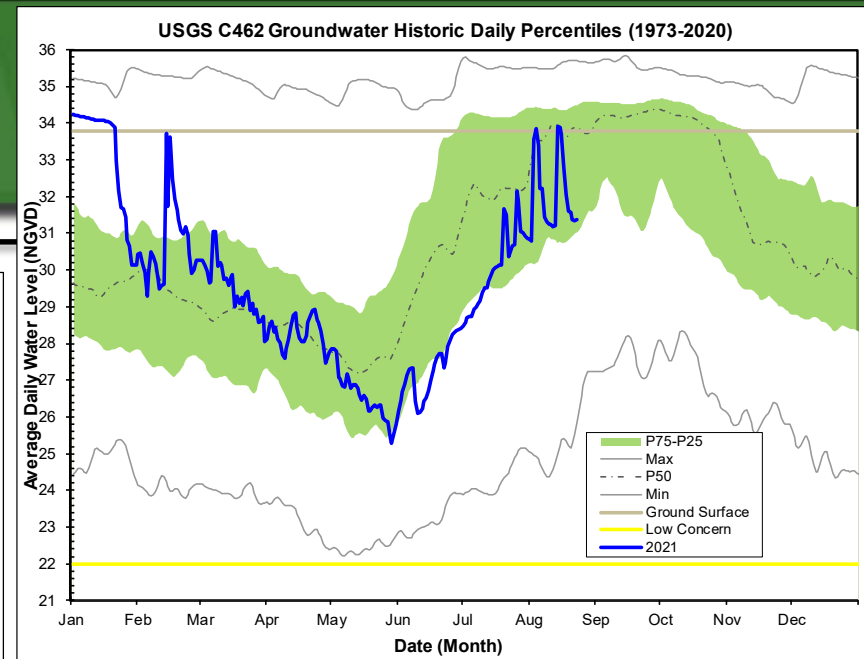
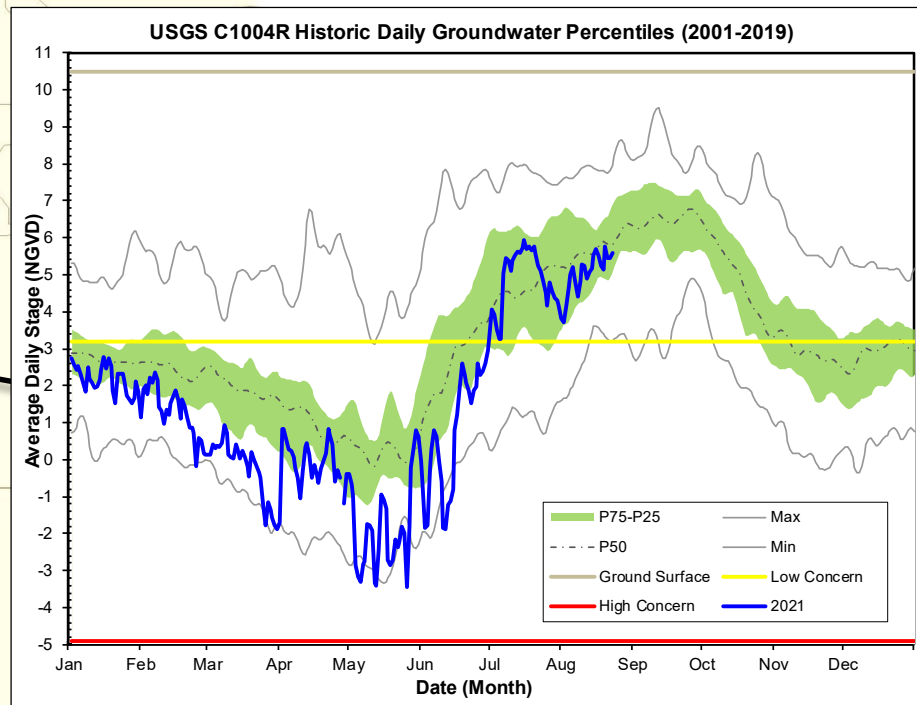
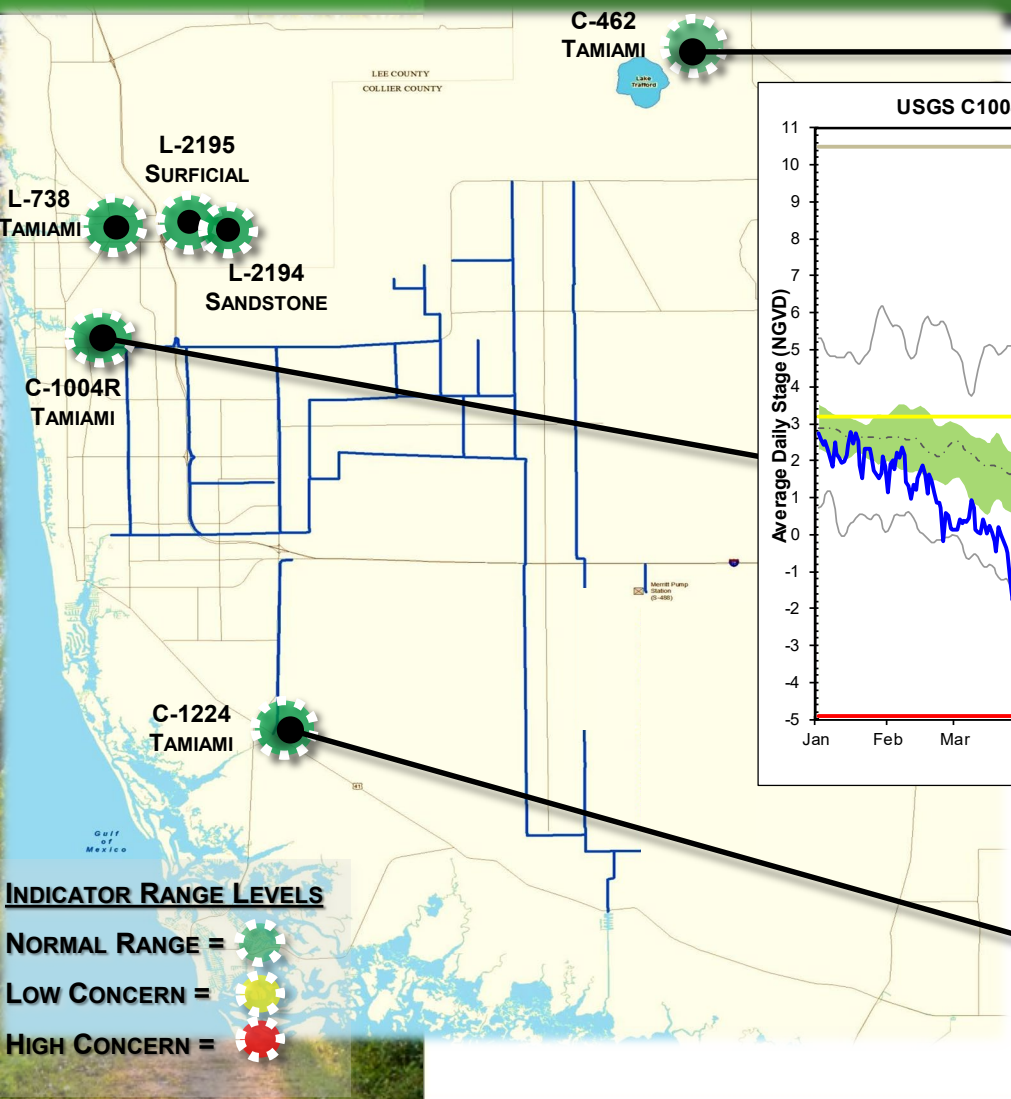
1 Year Ago: 8/21/2020

Current: 8/21/2021

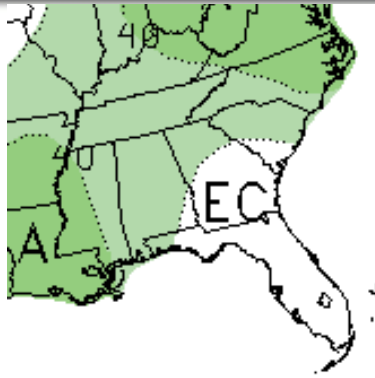
SOURCE: WATER DEPTH ASSESSMENT TOOL (SFWDAT)
ALL WDAT PRODUCTS BASED ON PROVISIONAL DATA



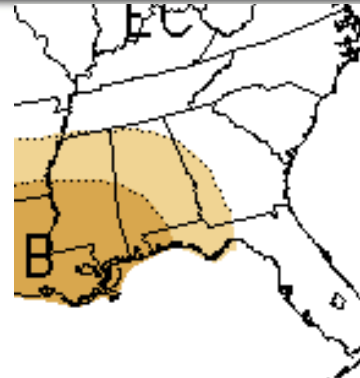
Groundwater Level Trends



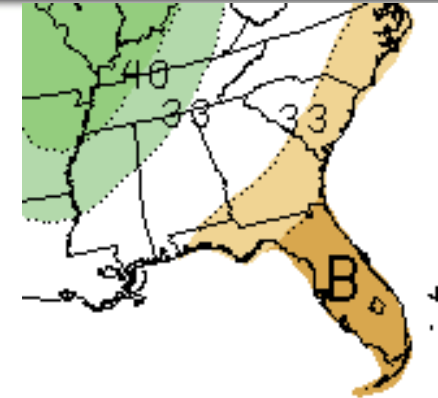
Long-Range Precipitation Outlook



Sept. 2021

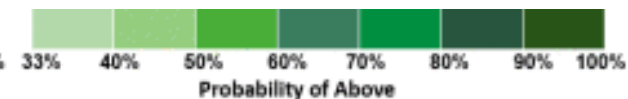
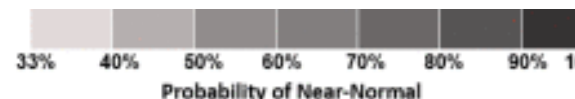
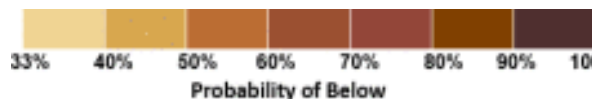


Oct. 2021 – Dec. 2021



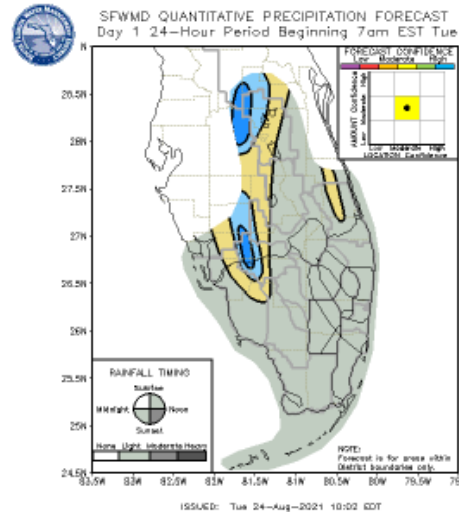
Jan. 2022 – Mar. 2022

- The most recent CPC precipitation outlook for September 2021 calls for equal chances for above, normal, or below average rainfall for Florida.
- The CPC precipitation outlook for October – December. calls equal chances for above, normal, or below average rainfall for Florida.
- The CPC precipitation outlook for January – March calls for above average chance for below-normal rainfall.

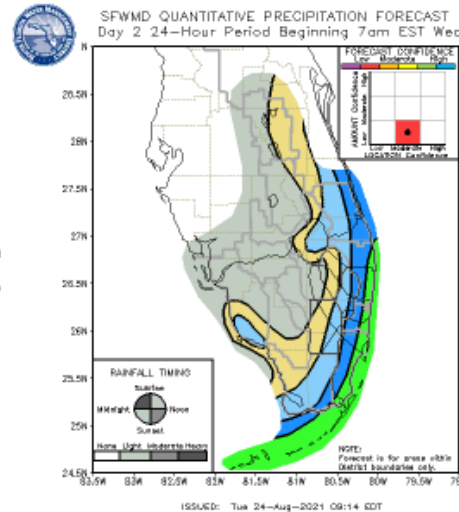


Short Term Forecast

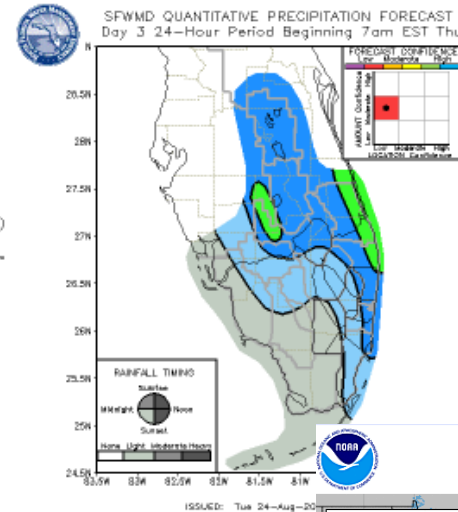
Tuesday (Day 1)



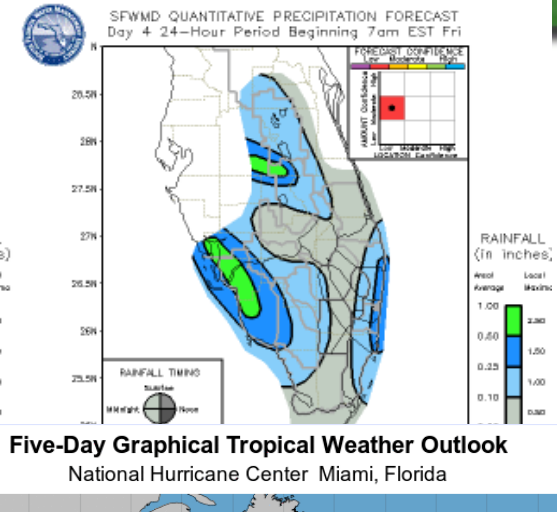
Wednesday (Day 2)



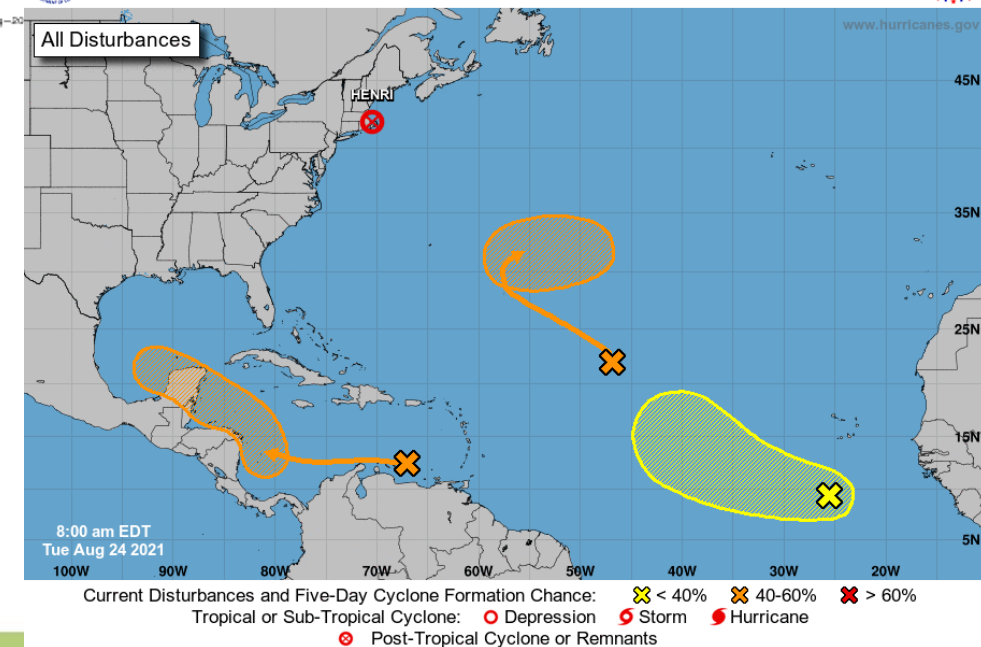
Thursday (Day 3)



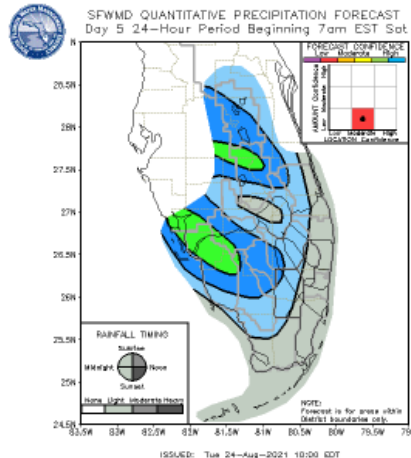
Friday (Day 4)



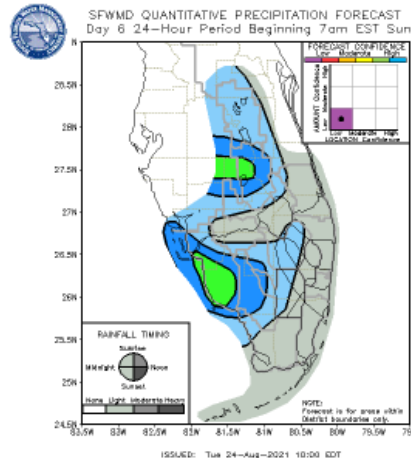
Five-Day Graphical Tropical Weather Outlook National Hurricane Center Miami, Florida



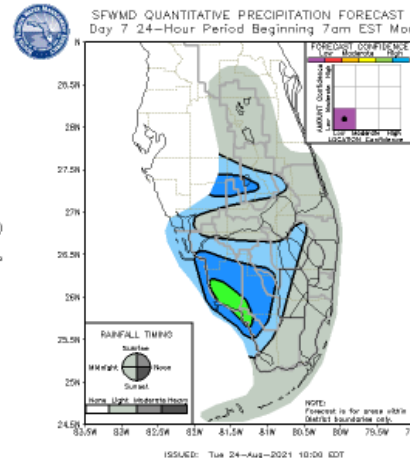
Saturday (Day 5)



Sunday (Day 6)



Monday (Day 7)



BCB Water Conditions Report

QUESTIONS ?

