

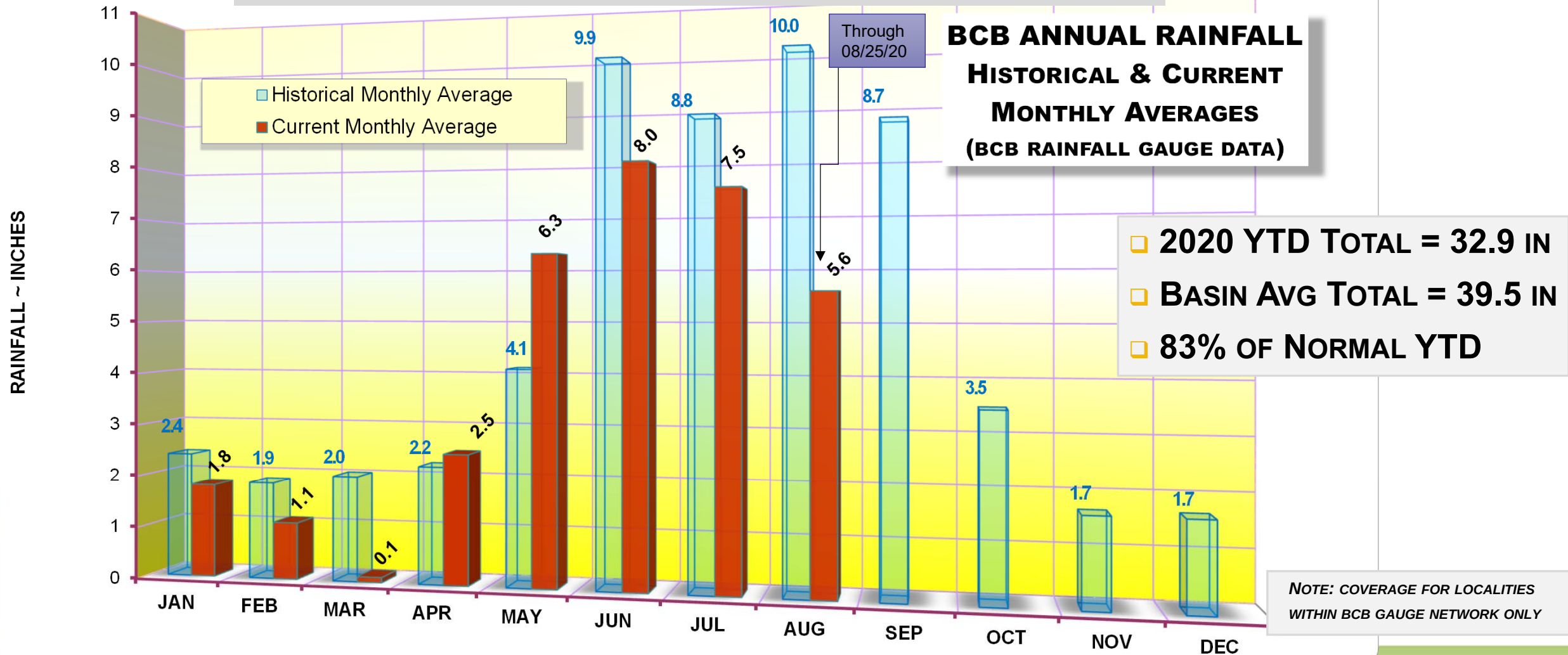
BIG CYPRESS BASIN BOARD MEETING

BCB WATER CONDITIONS REPORT
August 27, 2020

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

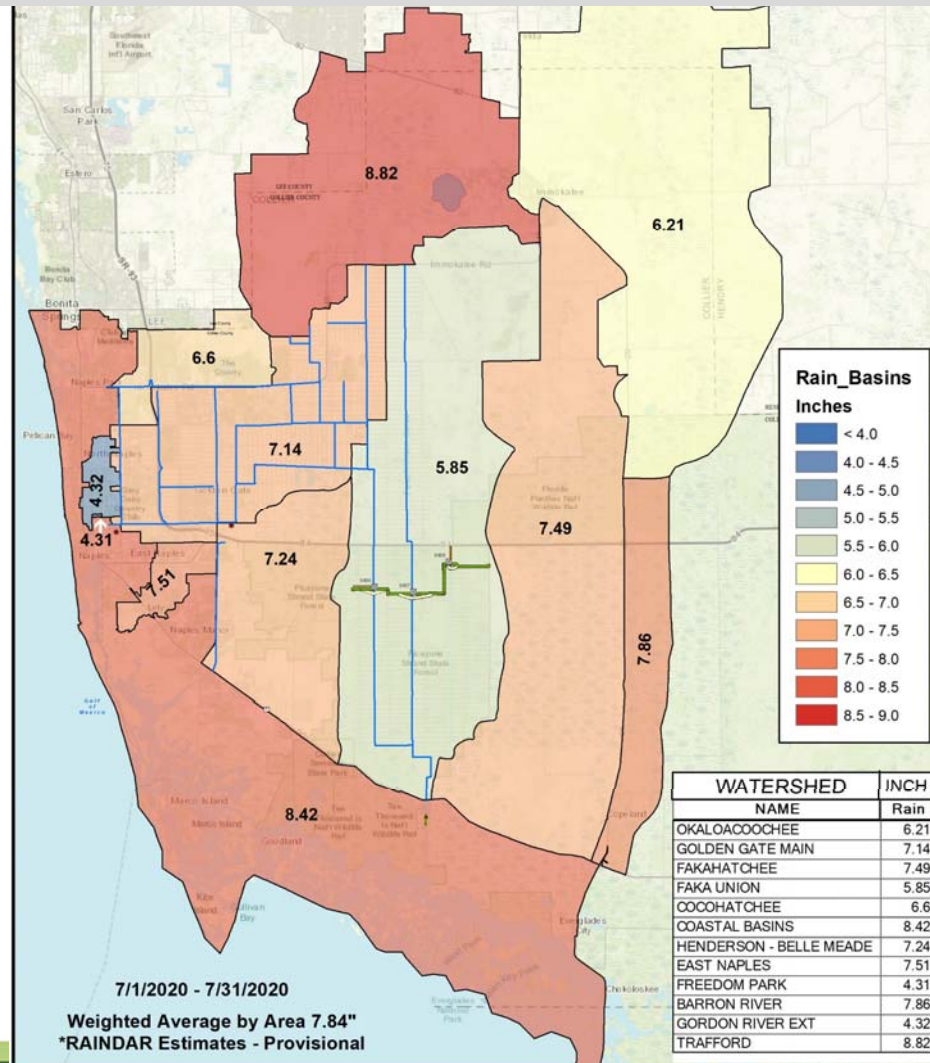
Hydrologic Conditions ~ BCB Gauge Rainfall

2020 MONTHLY SUMMARY

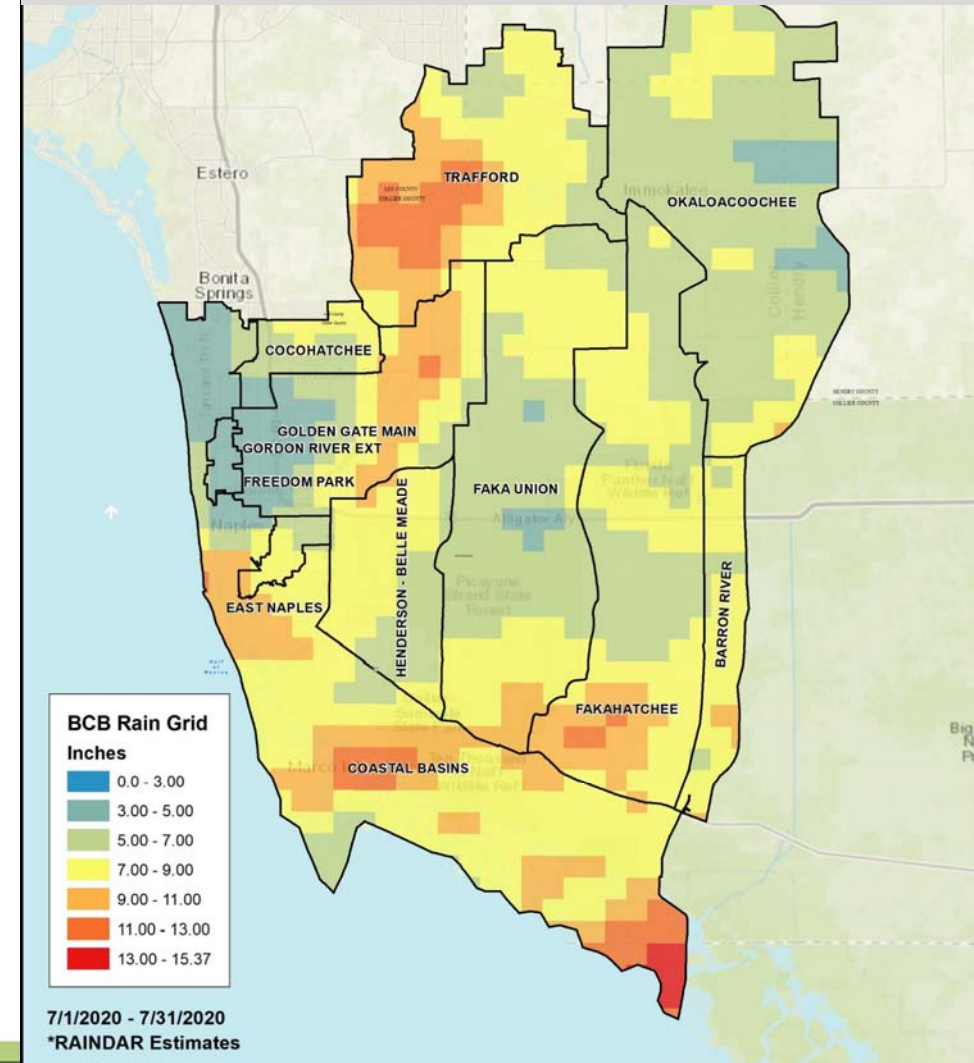


Hydrologic Conditions ~ BCB Rainfall

JULY 2020 RAIN BY BASIN



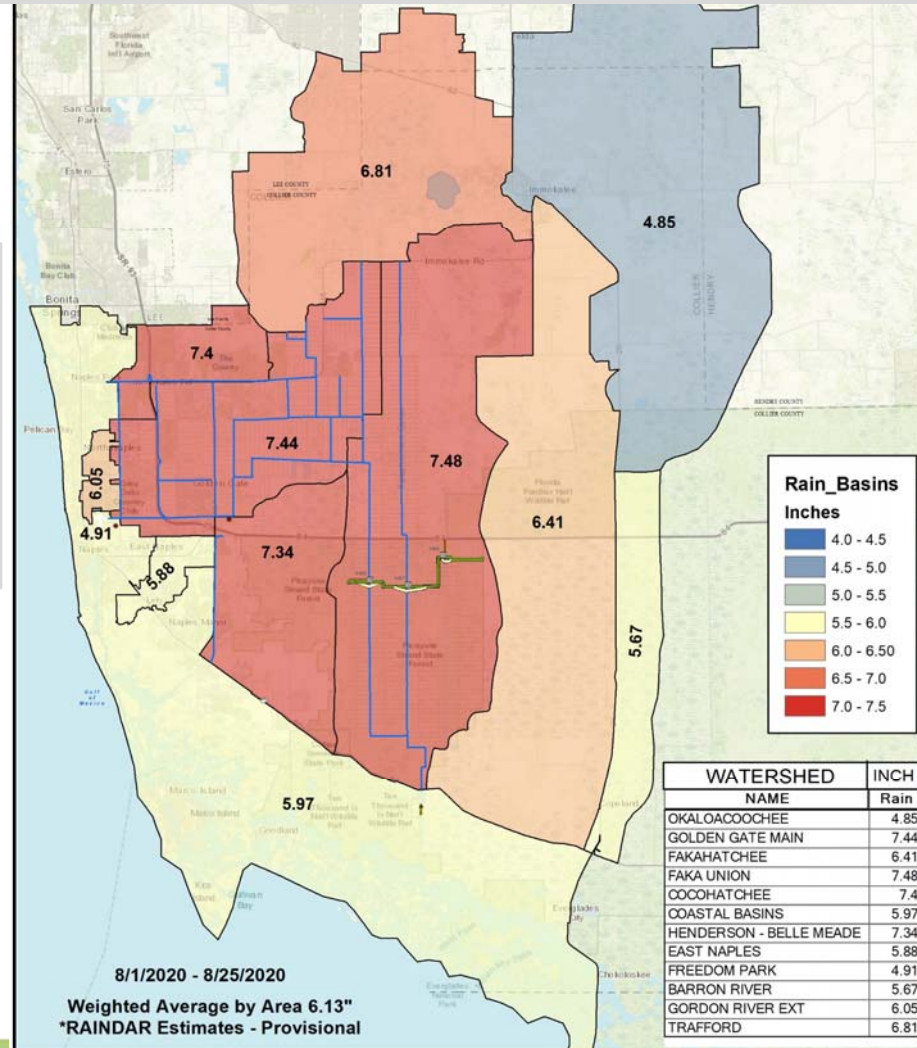
JULY 2020 RAINDAR



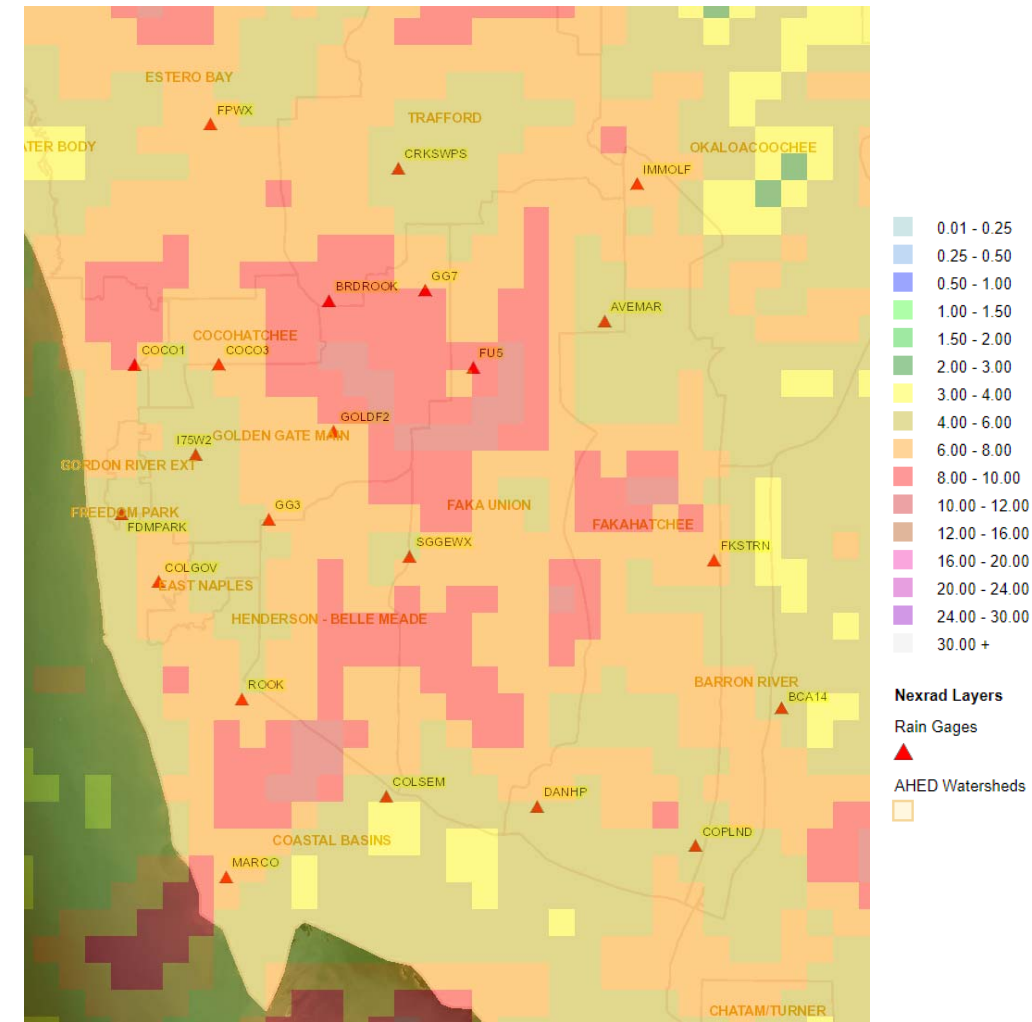
HISTORICAL COMPARISON
2020: 7.8"
HIGH: 14.6" (2001)
LOW: 5.1" (1996)
AVG: 8.8"

Hydrologic Conditions ~ BCB Rainfall

AUGUST 2020 BY BASIN



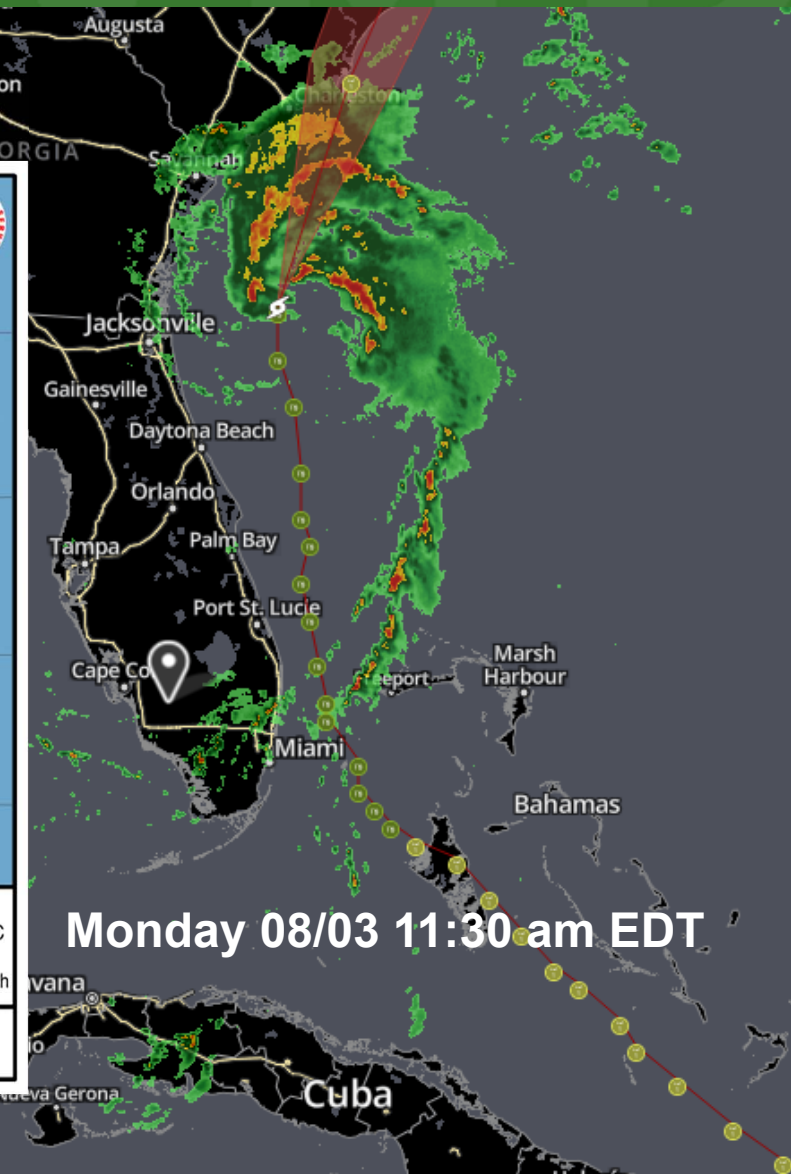
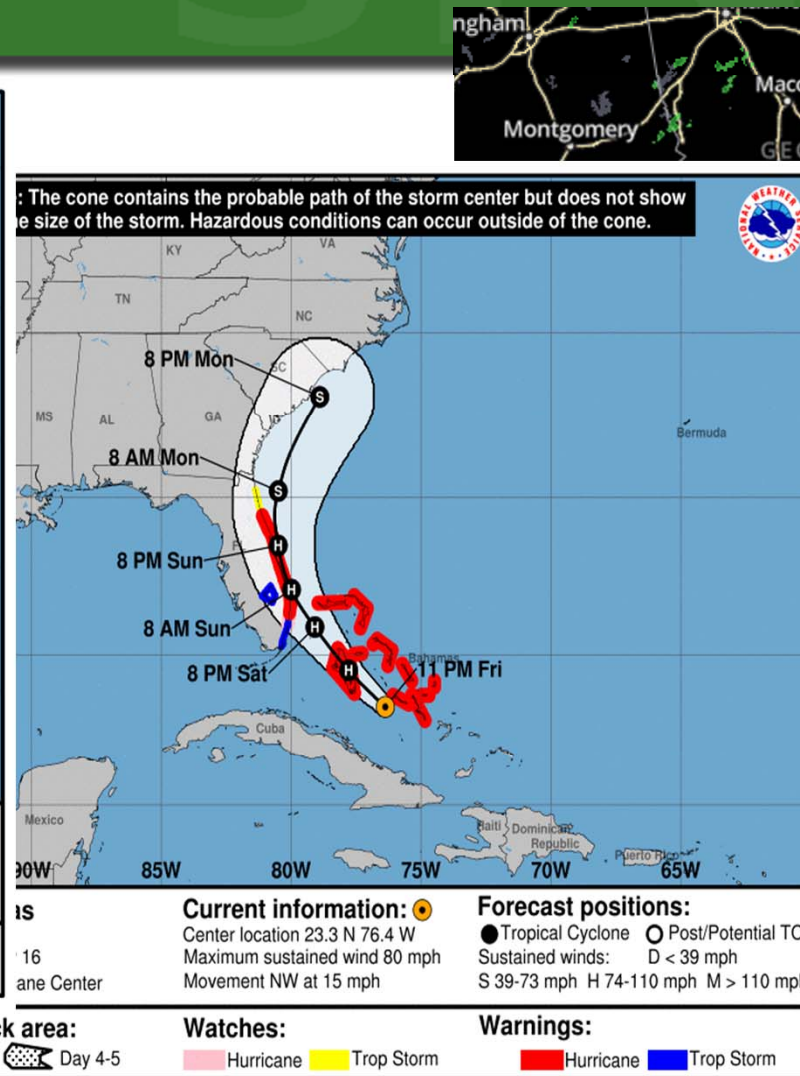
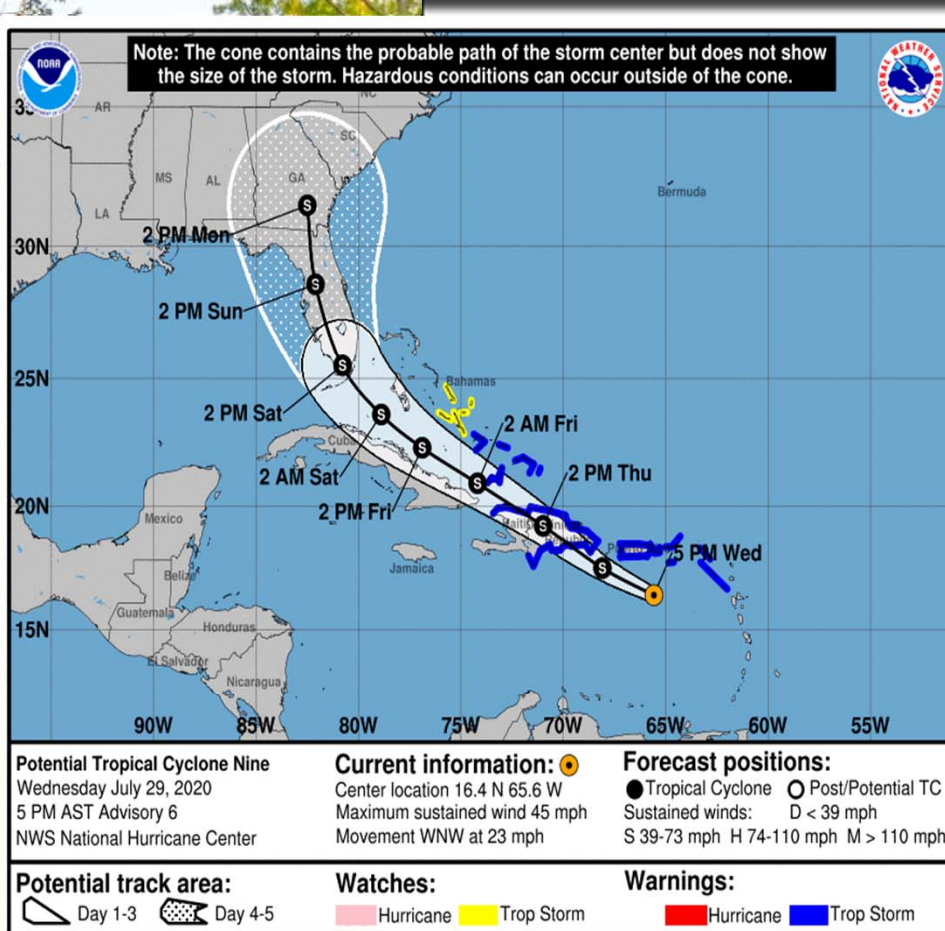
AUGUST 2020 RAINDAR



HISTORICAL COMPARISON
2020: 6.1" (8/1-8/25)
HIGH: 14.6" (1995)
LOW: 5.8" (1997)
AVG: 10.0"



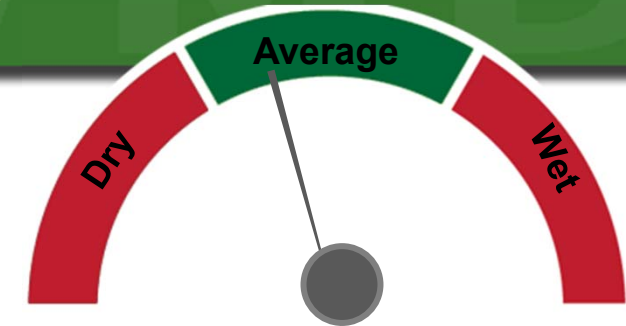
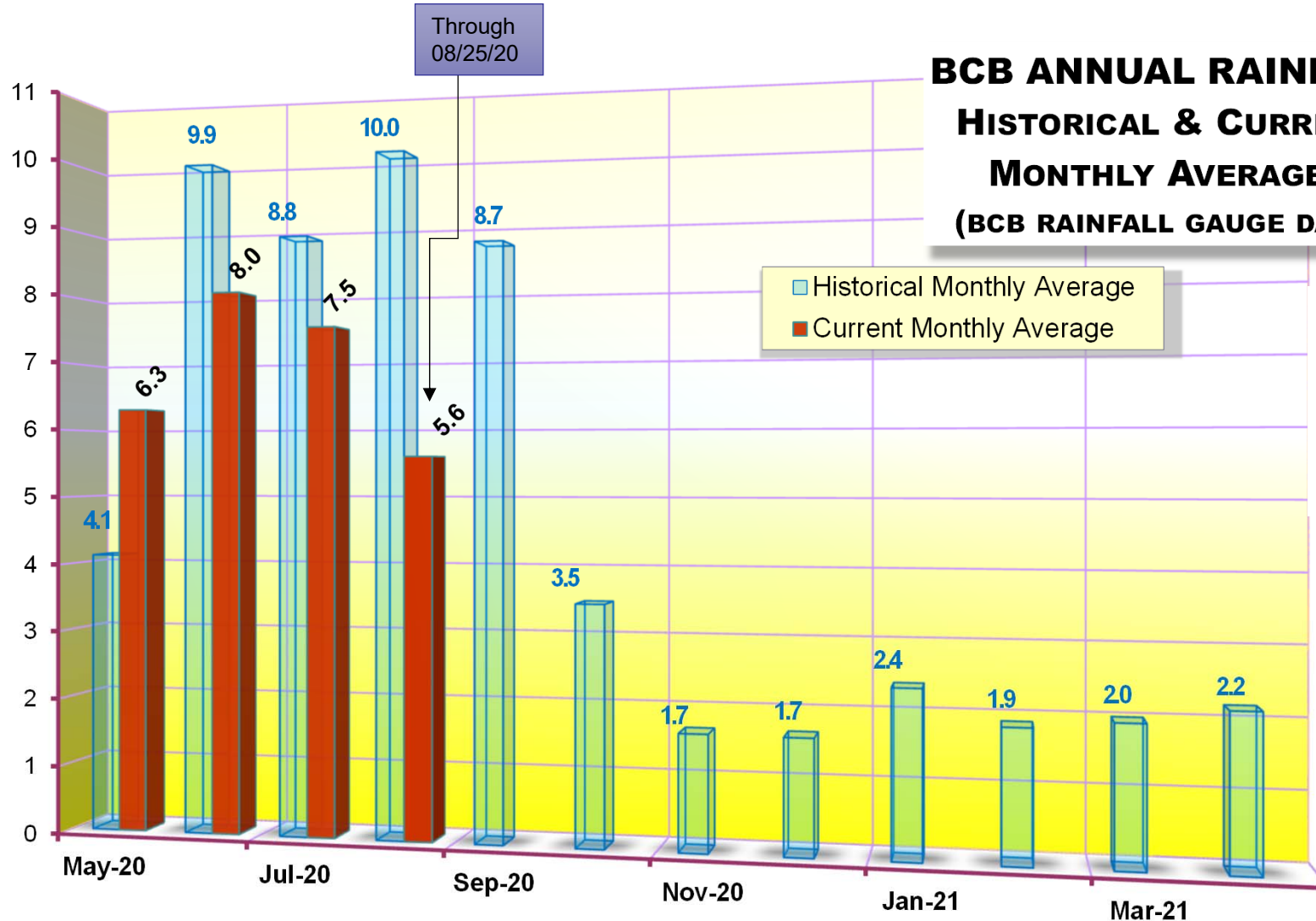
Tropical Storm/Hurricane Isaias





BCB Water Year Summary

BCB ANNUAL RAINFALL HISTORICAL & CURRENT MONTHLY AVERAGES (BCB RAINFALL GAUGE DATA)



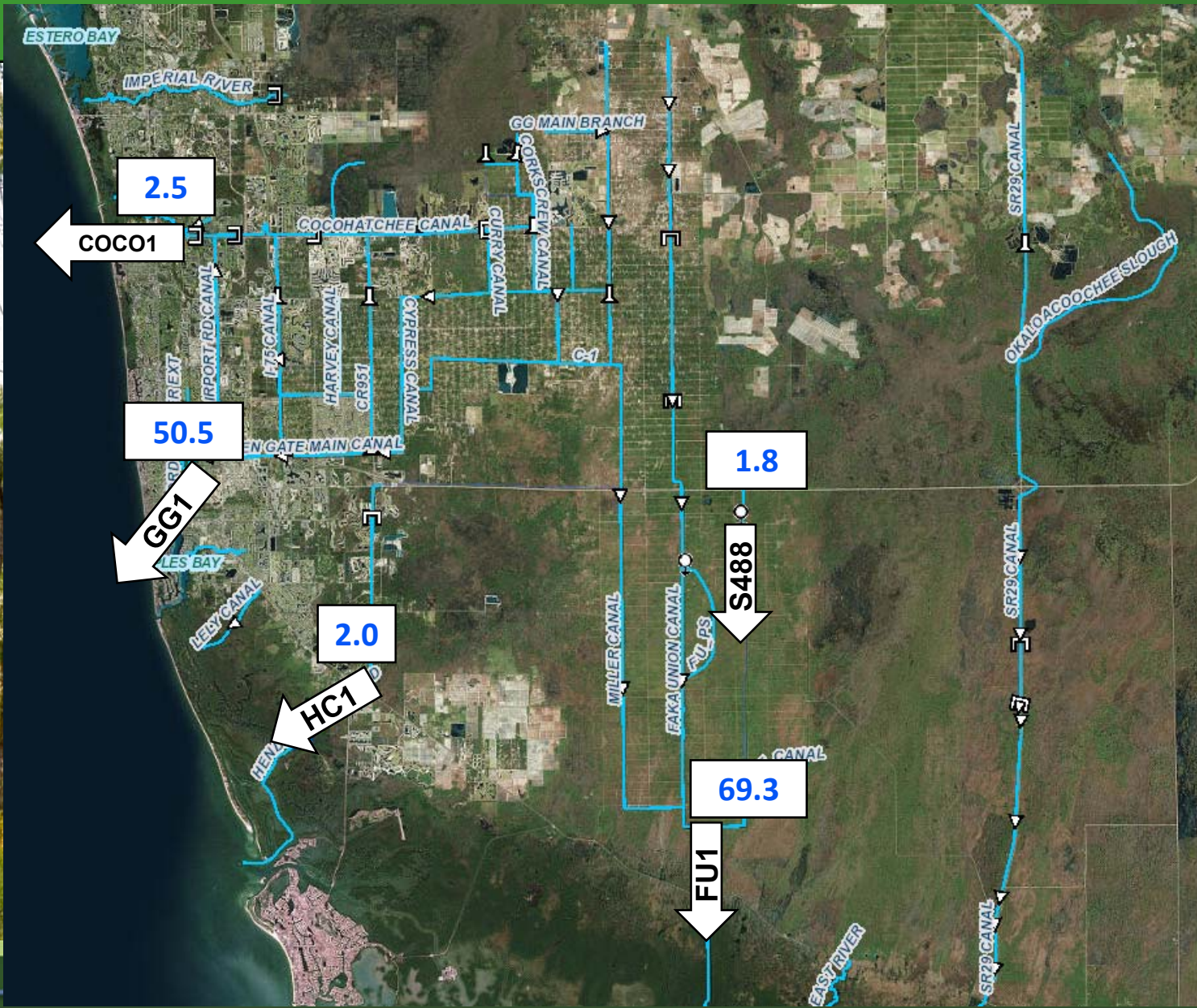
Water Year Rainfall

May 1, 2020 – Aug 25, 2020

BCB Total Rainfall: 27.4"

- 88% of average
- Approx. 3.5" deficit
- Wet Season May 15, 2020
- 1st Half July Below Normal
- 2nd Half July Near Normal
- 2 Tropical Cyclone "Near Miss"

BCB - Outflow Volumes



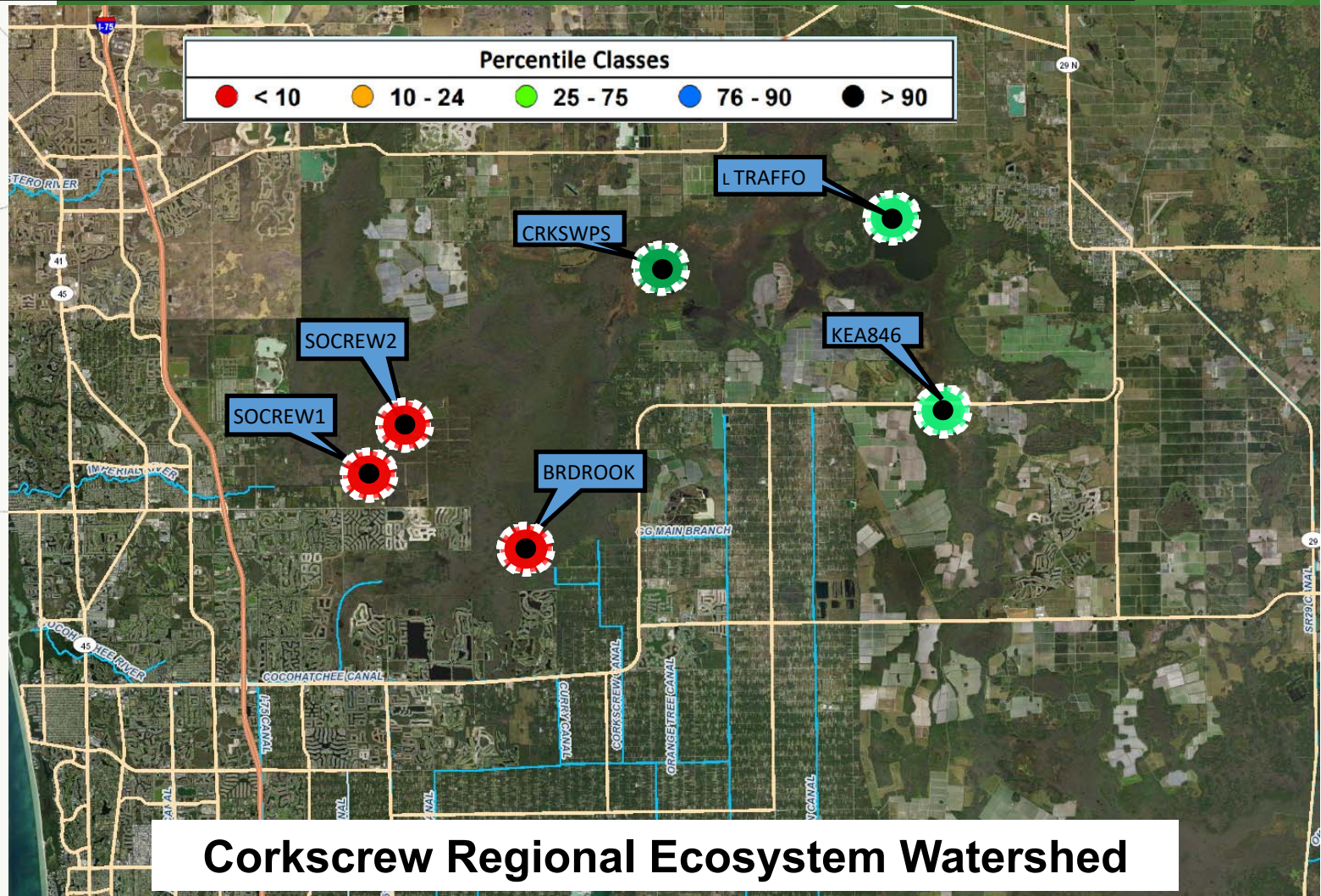
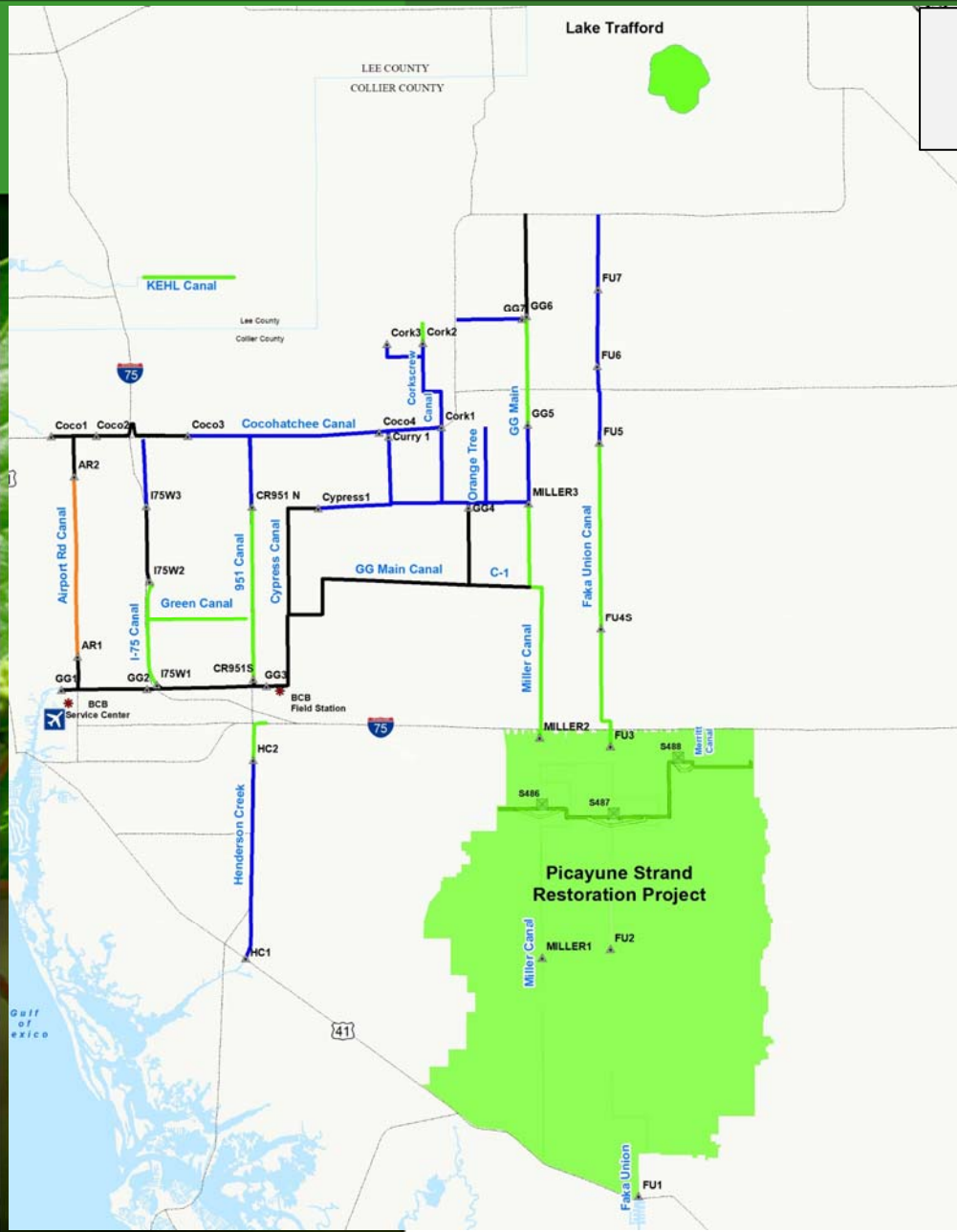
BCB – Release Volumes
(volumes in 1,000 acre-feet)

Water Year - Volume discharges 05/01/20 to 08/25/20

Date of Initial Flood Control Discharges -
Water Year 2020-2021

COCO1 & HC1 – Early June 2020
GG1 & FU1 – Late May 2020
S488 – Late June 2020

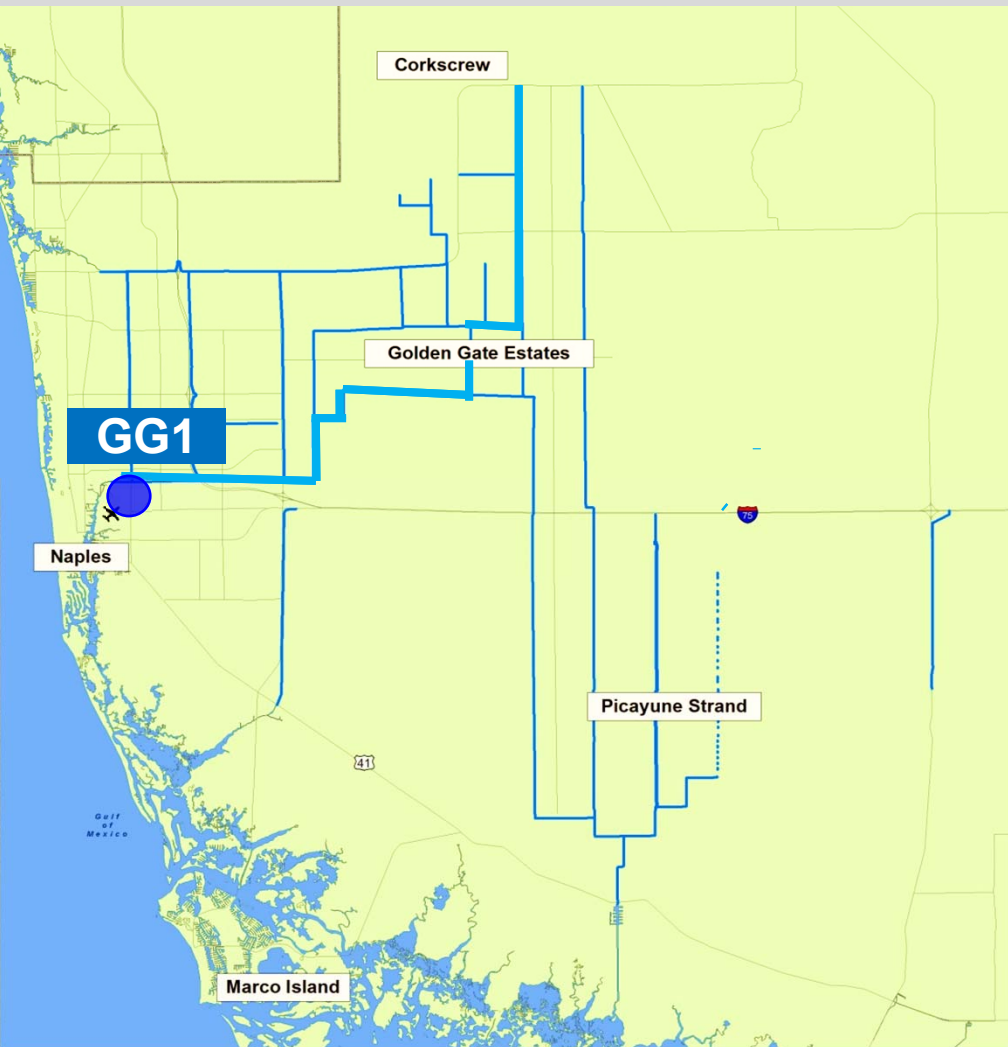
Big Cypress Basin Hydrologic Conditions as of 8/26/2020



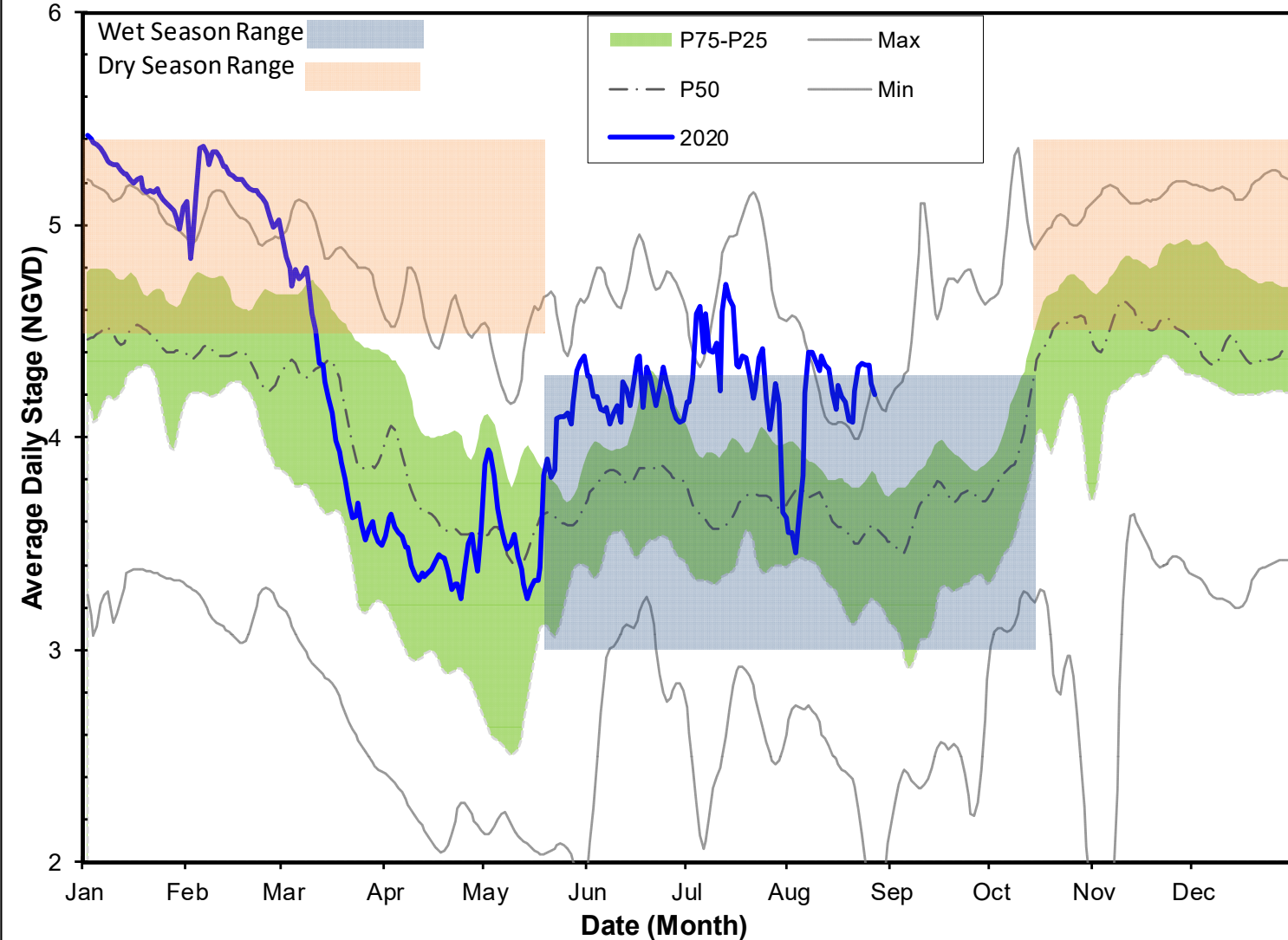
Corkscrew Regional Ecosystem Watershed

BCB Canal Levels ~ Daily Average Track

GOLDEN GATE MAIN

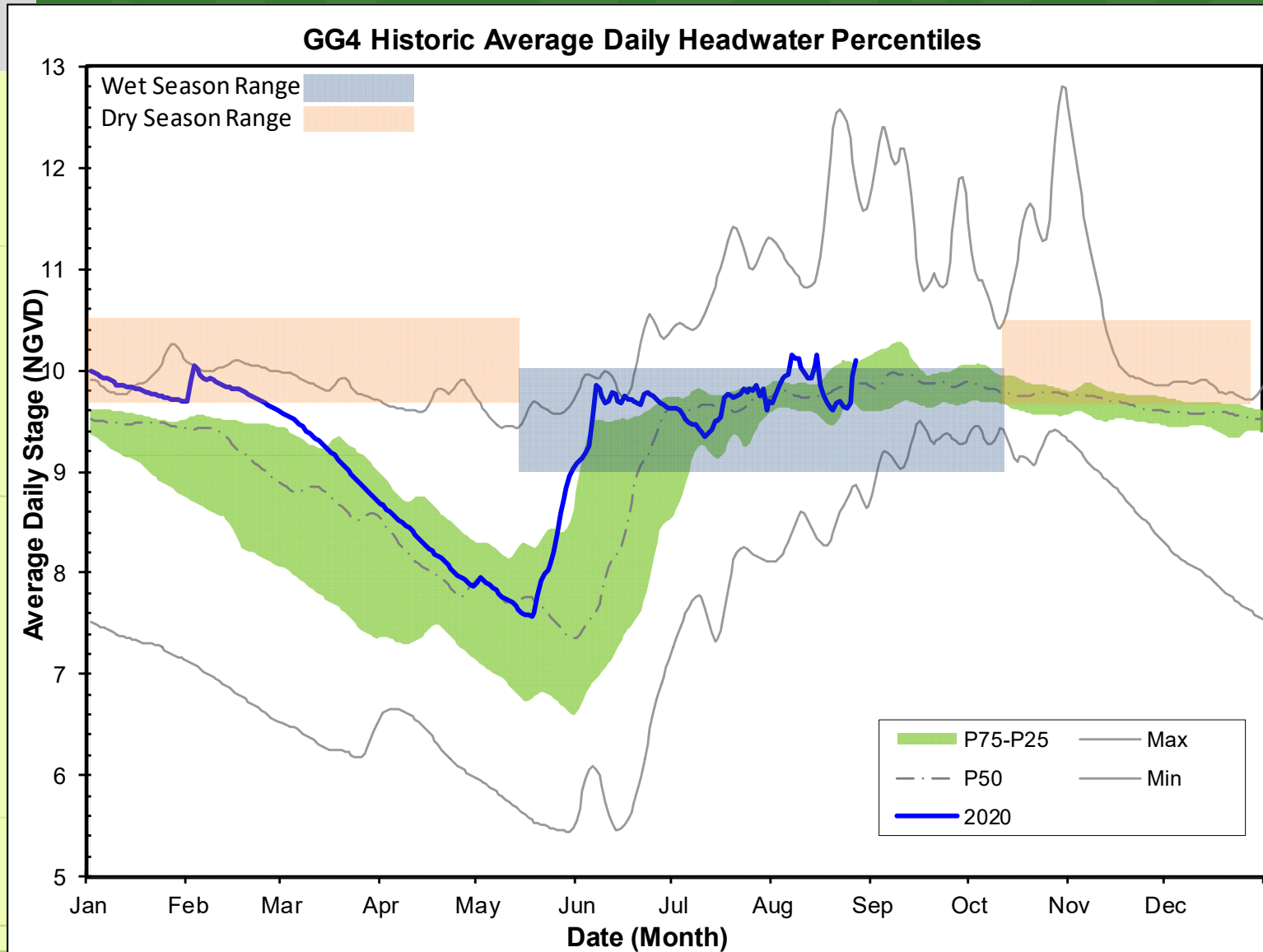
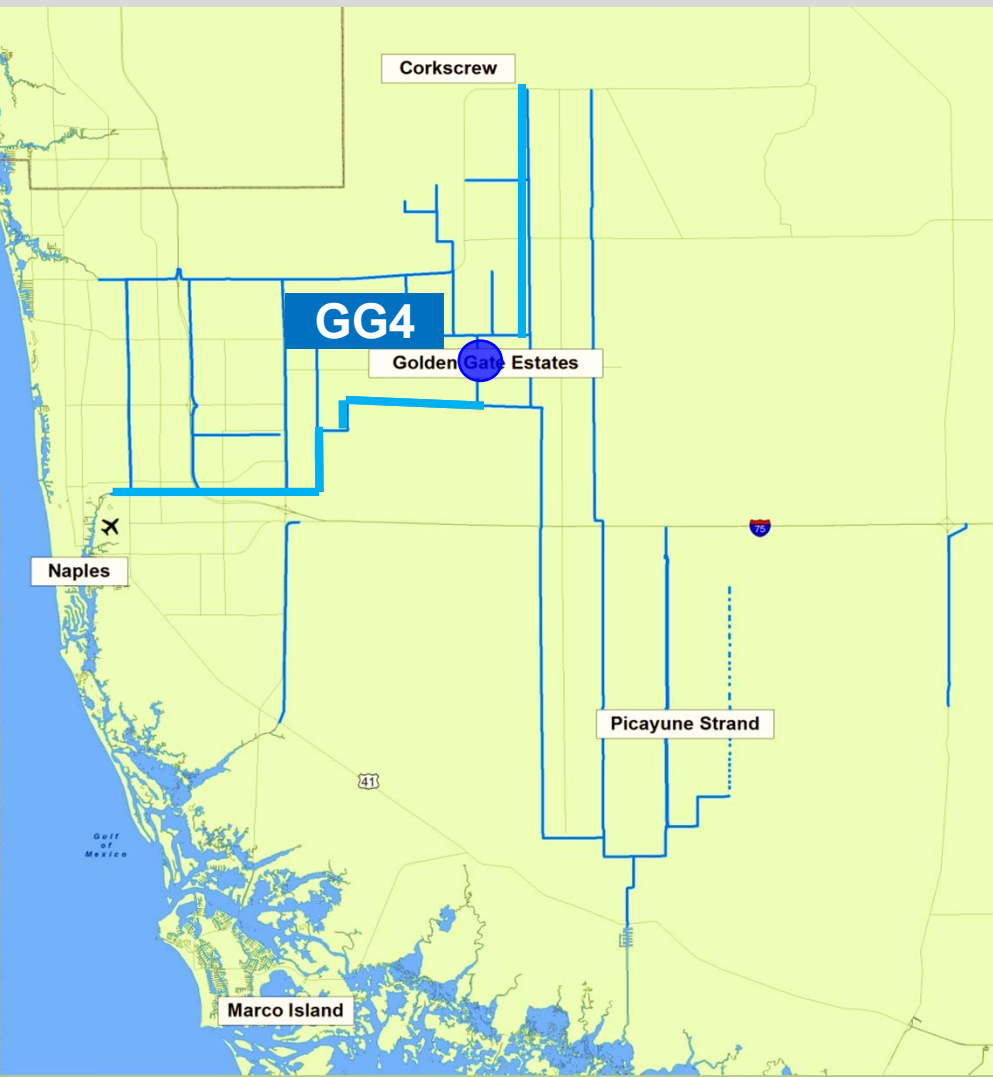


GG1 Historic Average Daily Headwater Percentiles



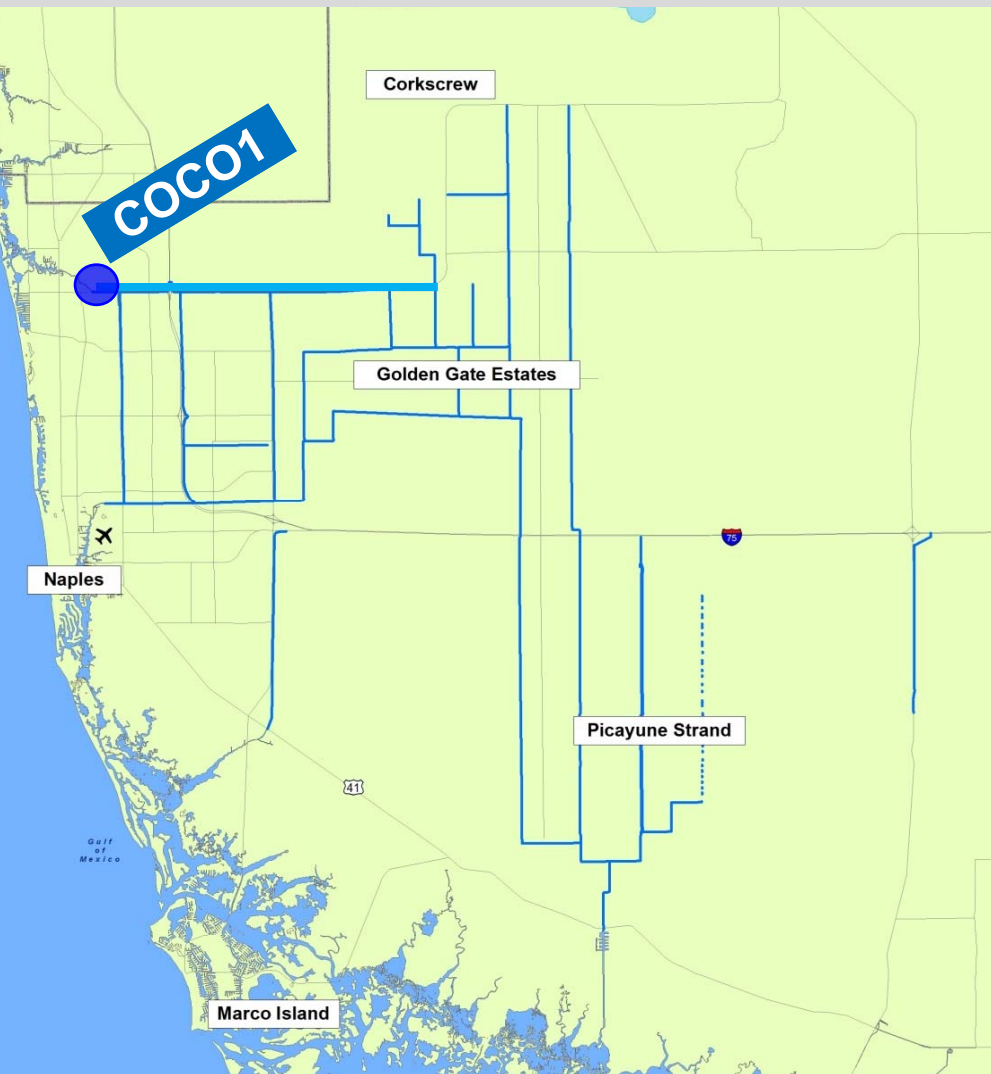
BCB Canal Levels ~ Daily Average Track

GOLDEN GATE MAIN

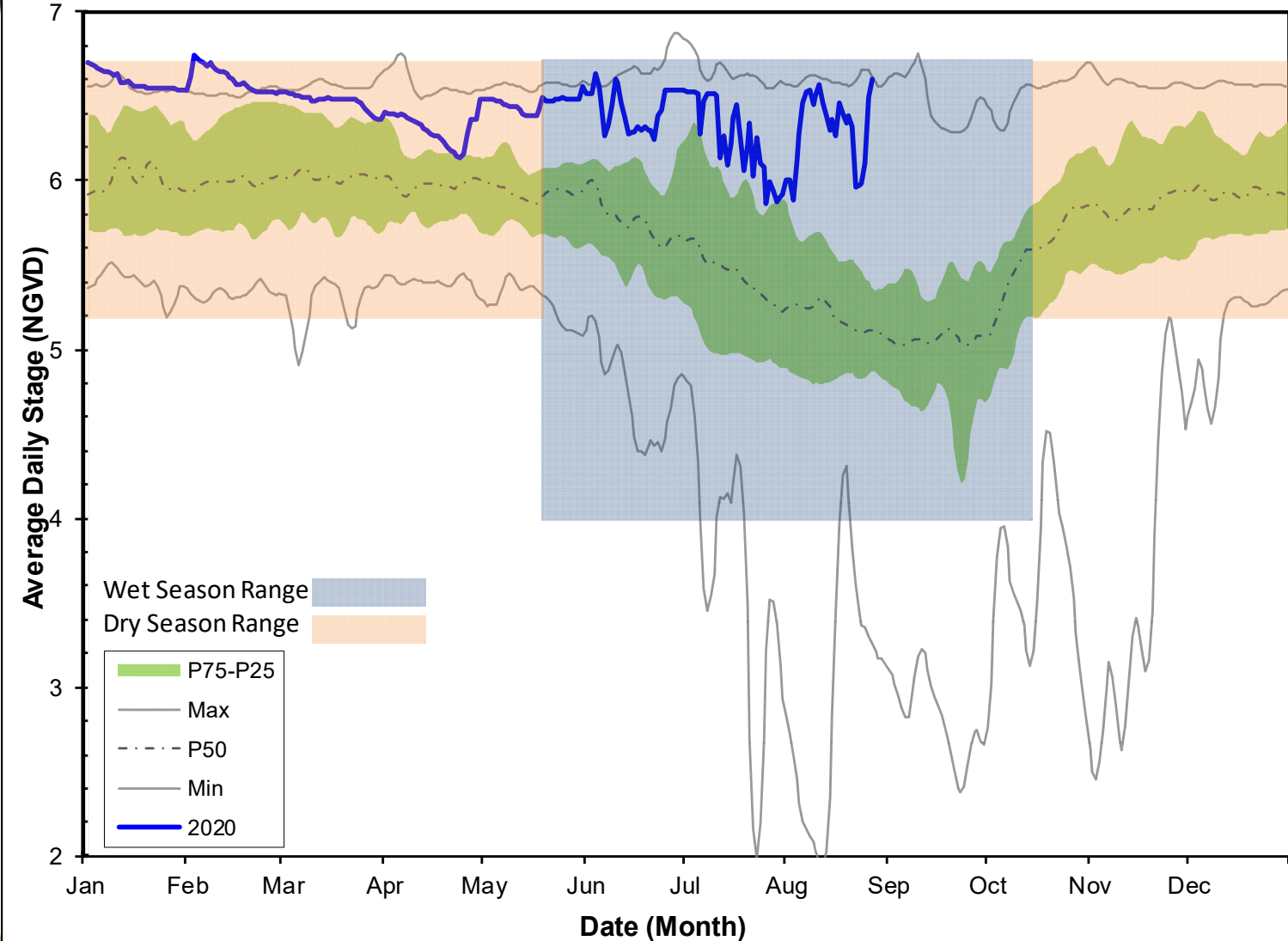


BCB Canal Levels ~ Daily Average Track

COCO HATCHEE CANAL

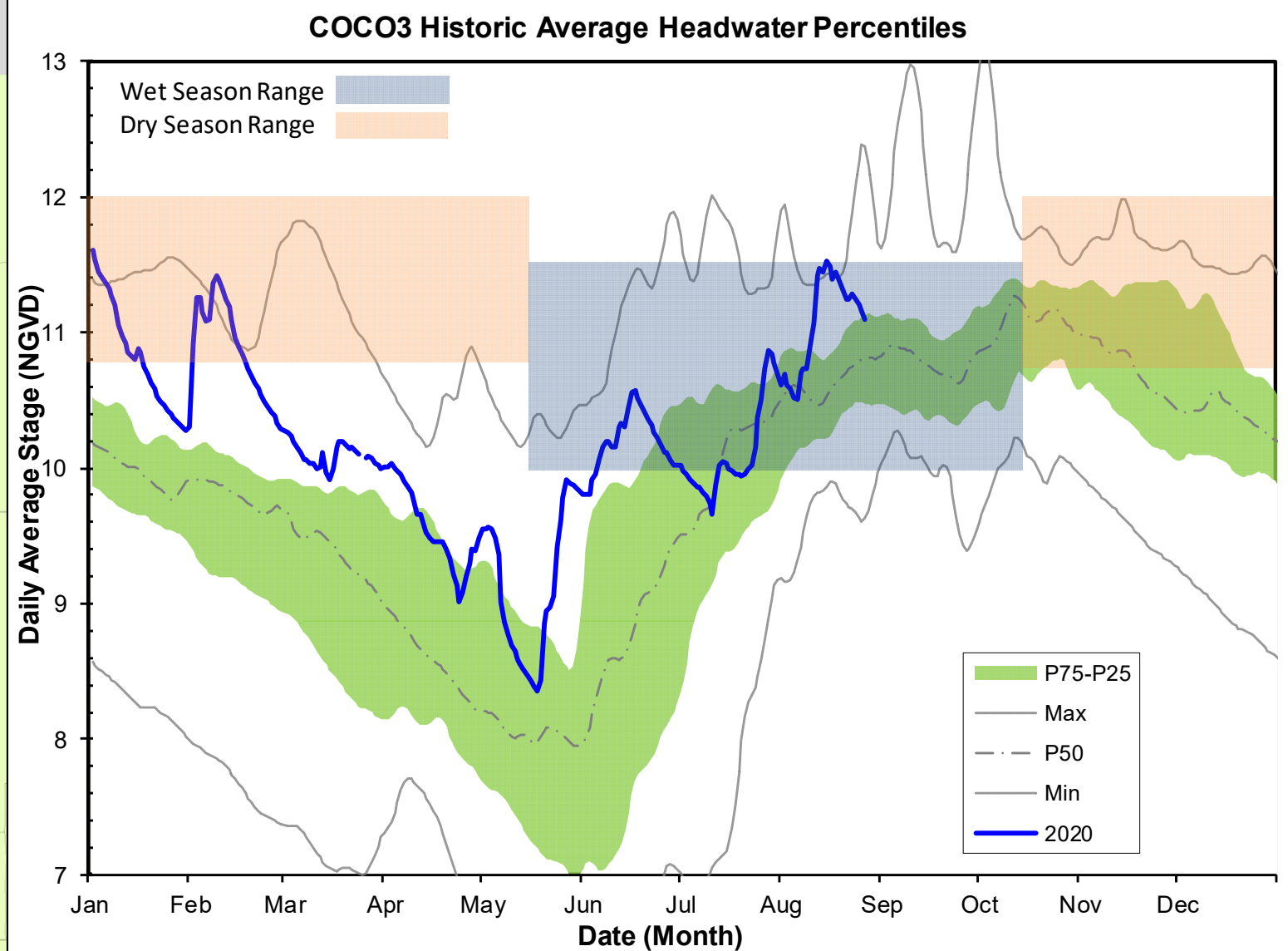
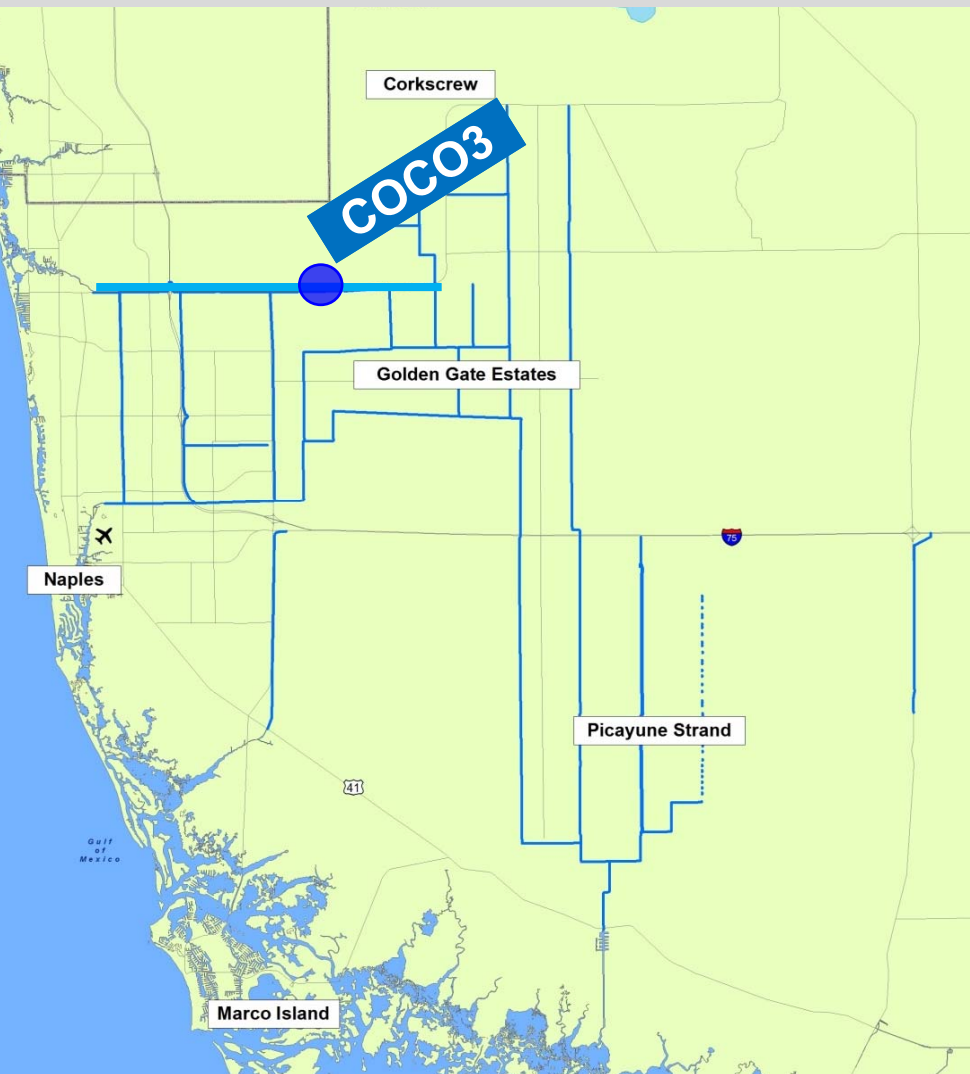


COCO1 Historic Daily Headwater Percentiles



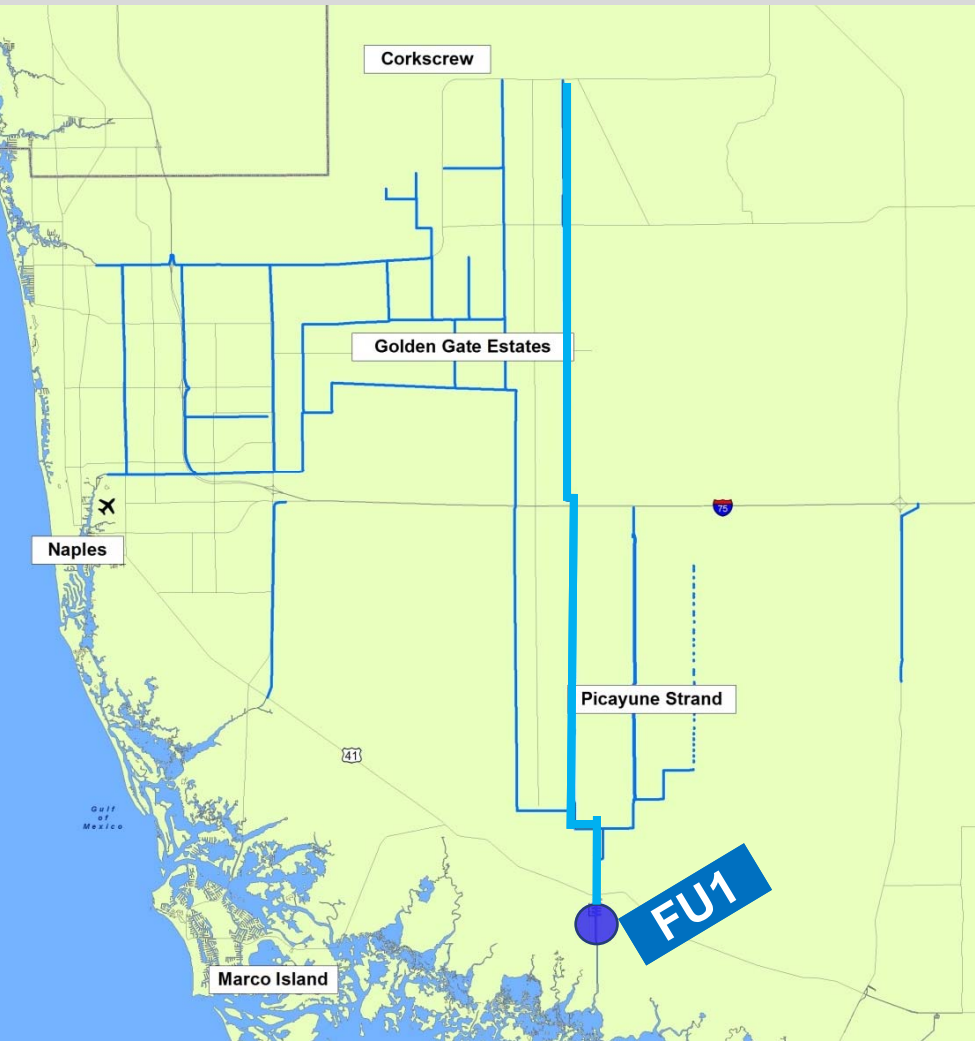
BCB Canal Levels ~ Daily Average Track

COCO HATCHEE CANAL

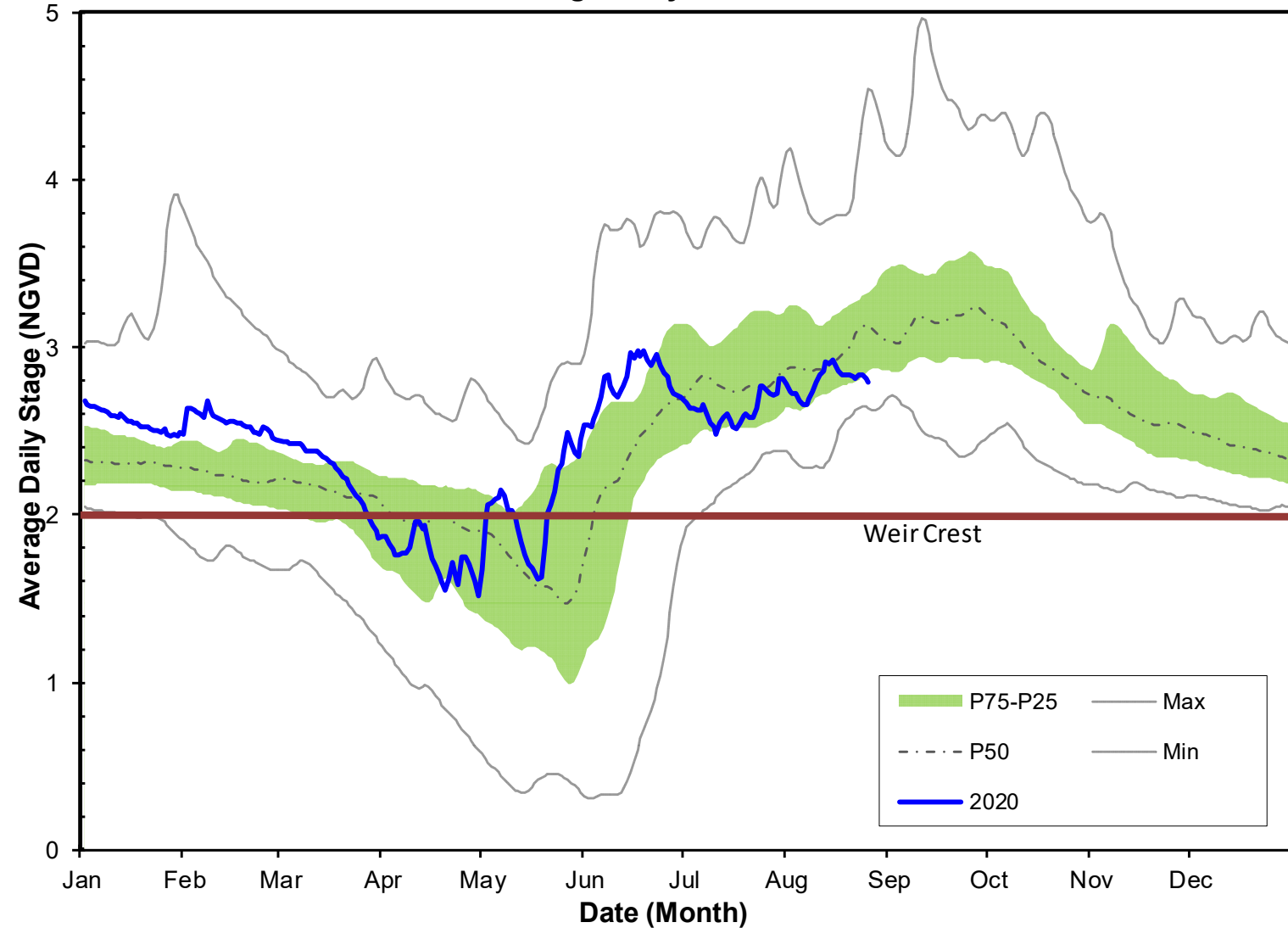


BCB Canal Levels ~ Daily Average Track

FAKA UNION CANAL

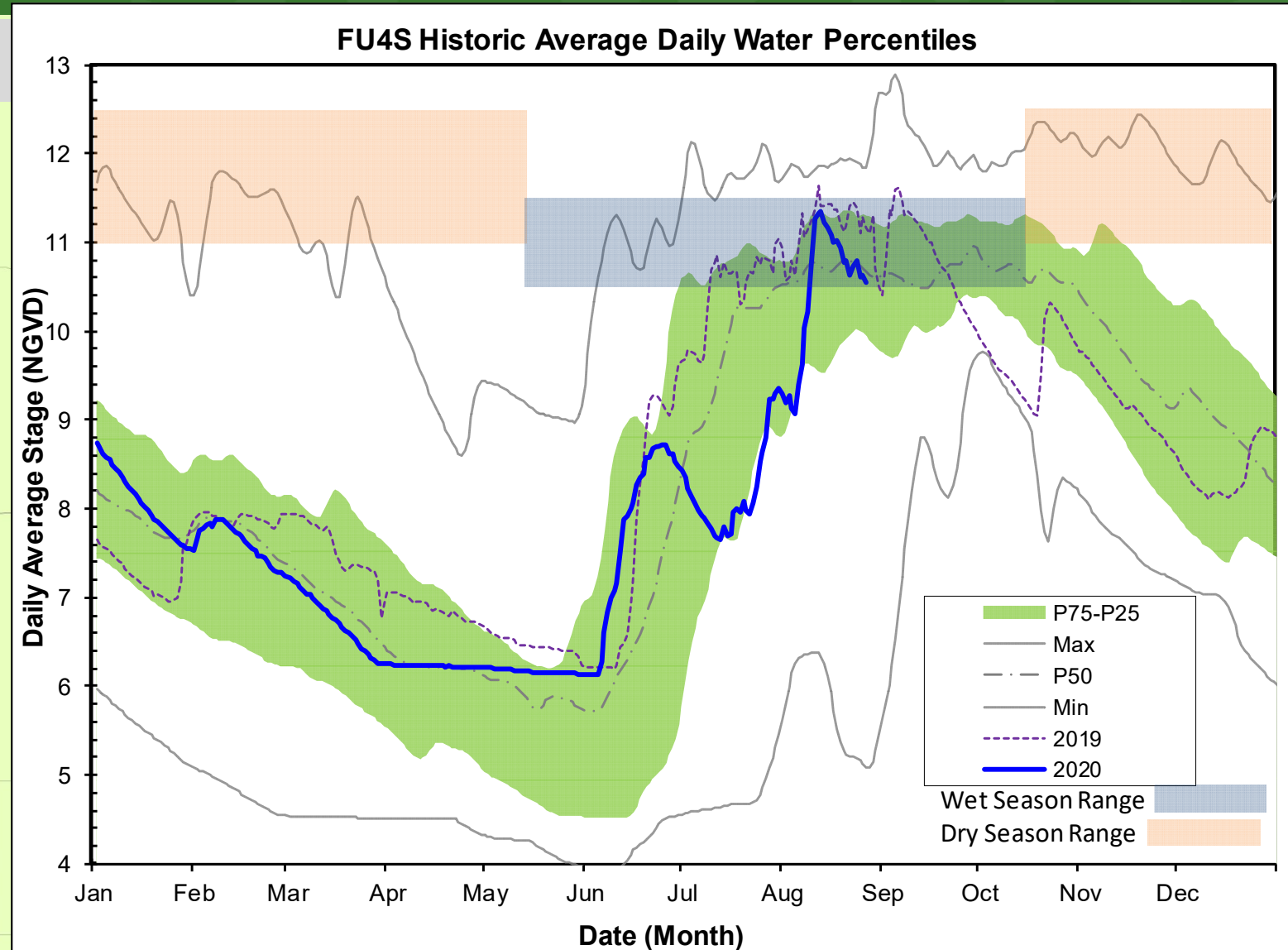
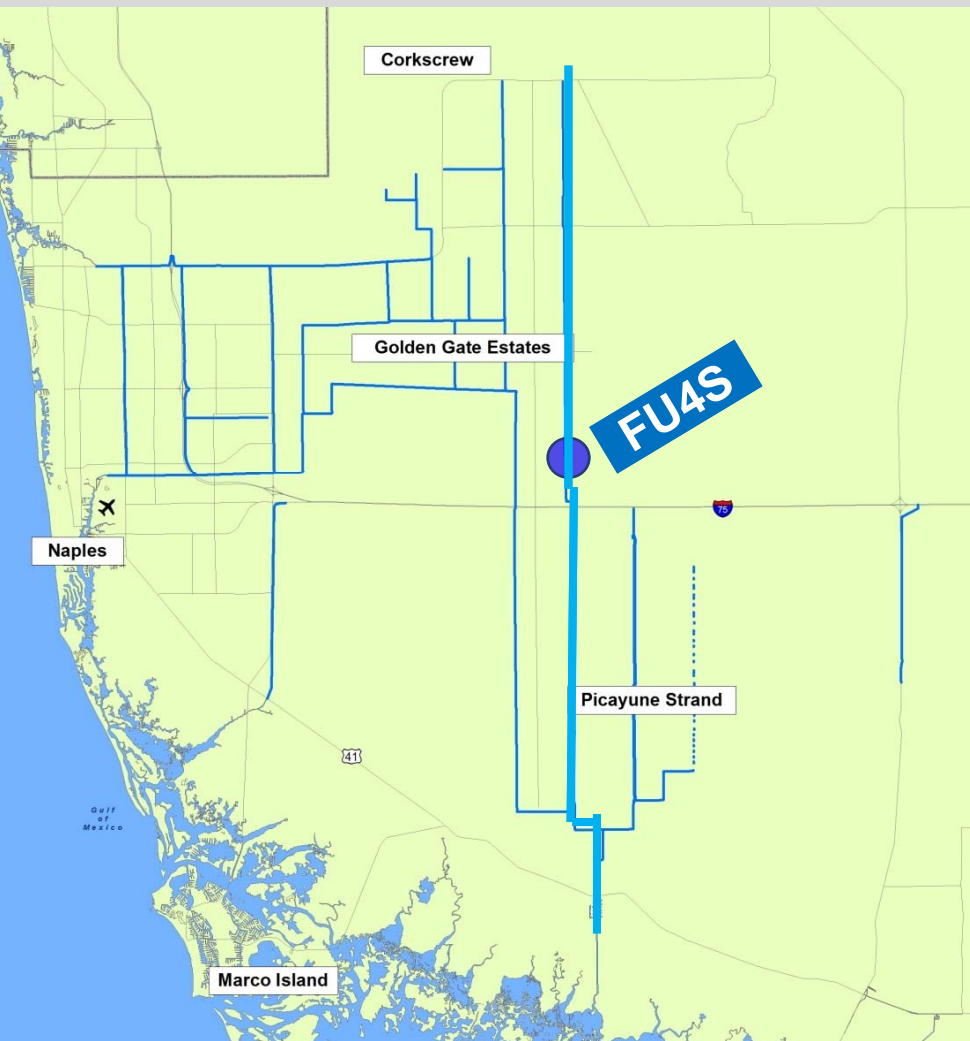


FU1 Historic Average Daily Headwater Percentiles



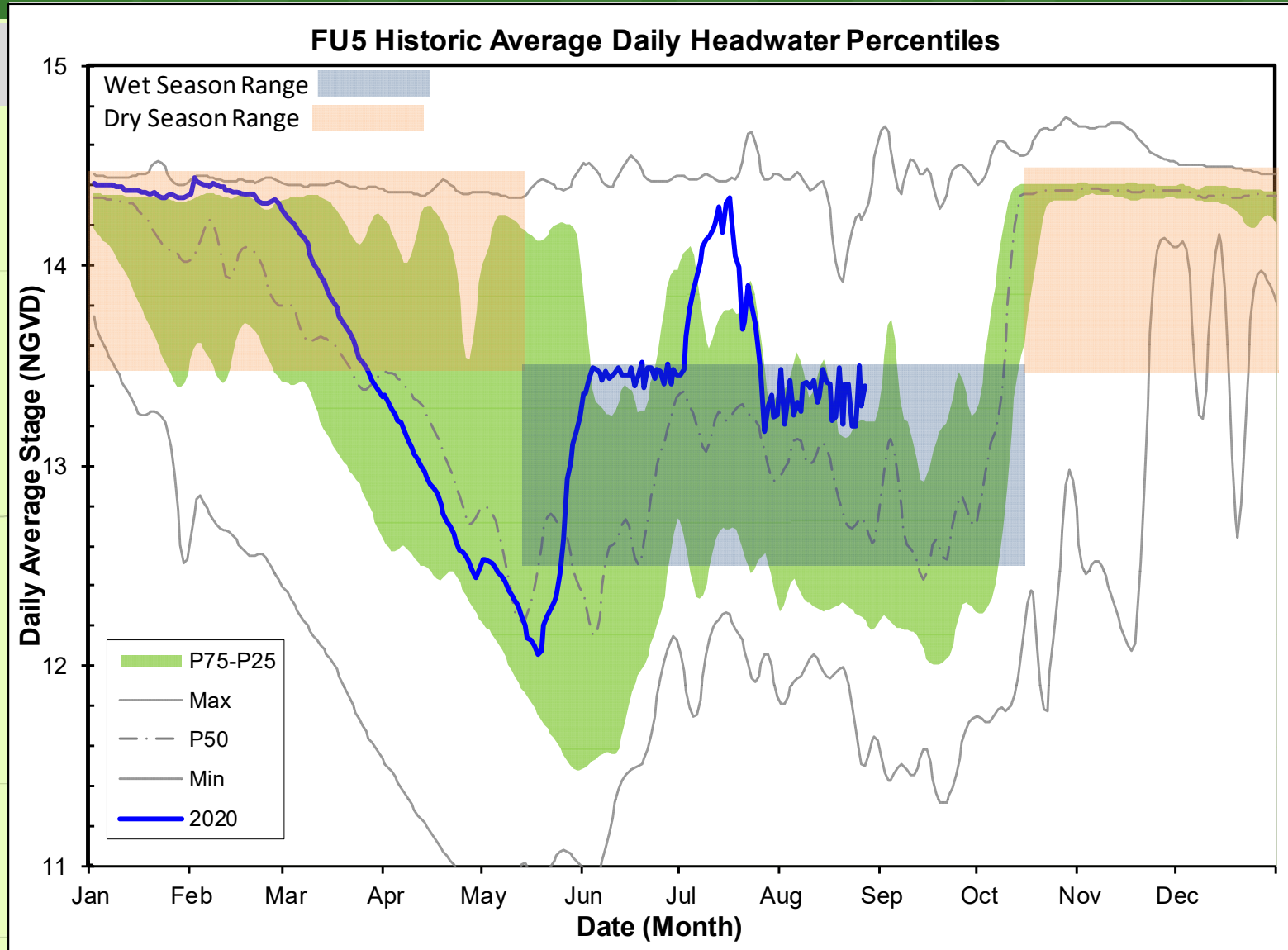
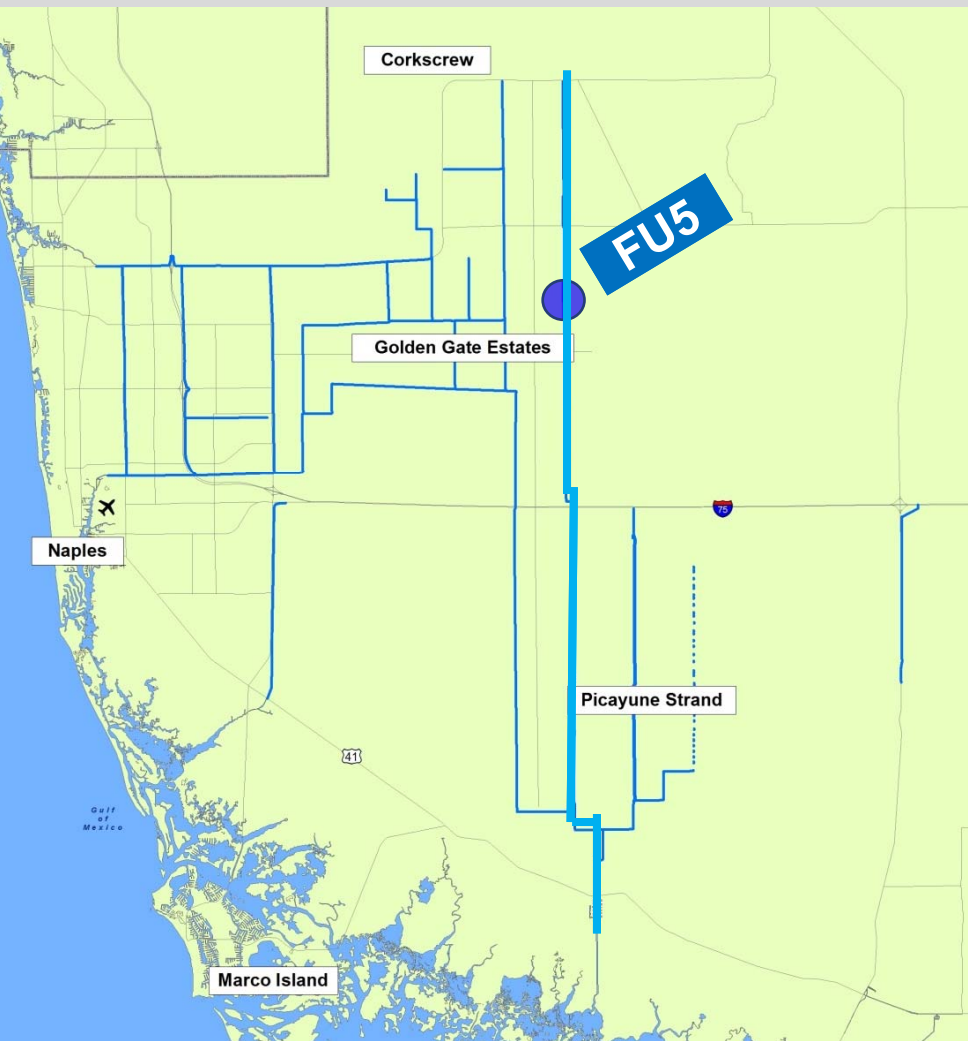
BCB Canal Levels ~ Daily Average Track

FAKA UNION CANAL



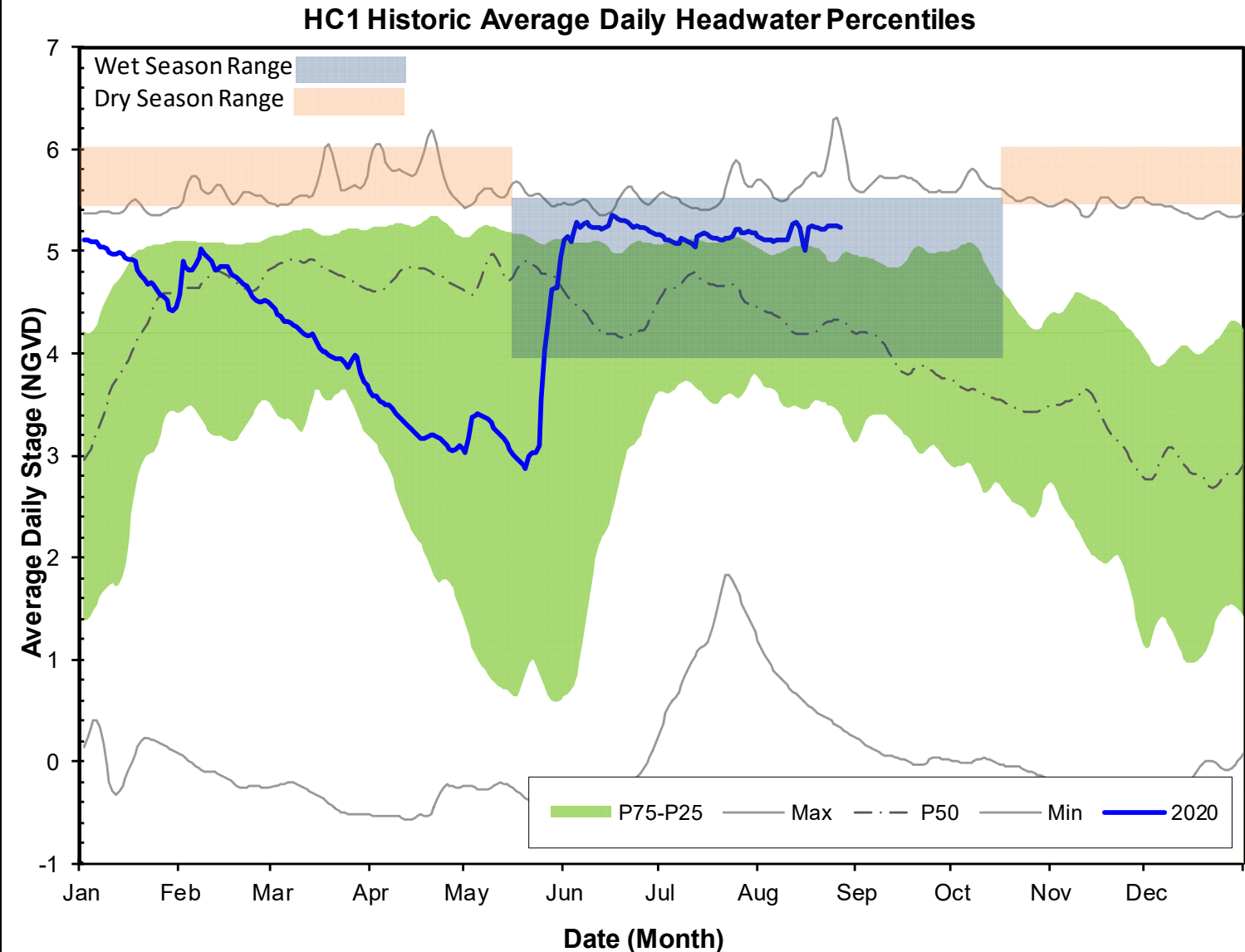
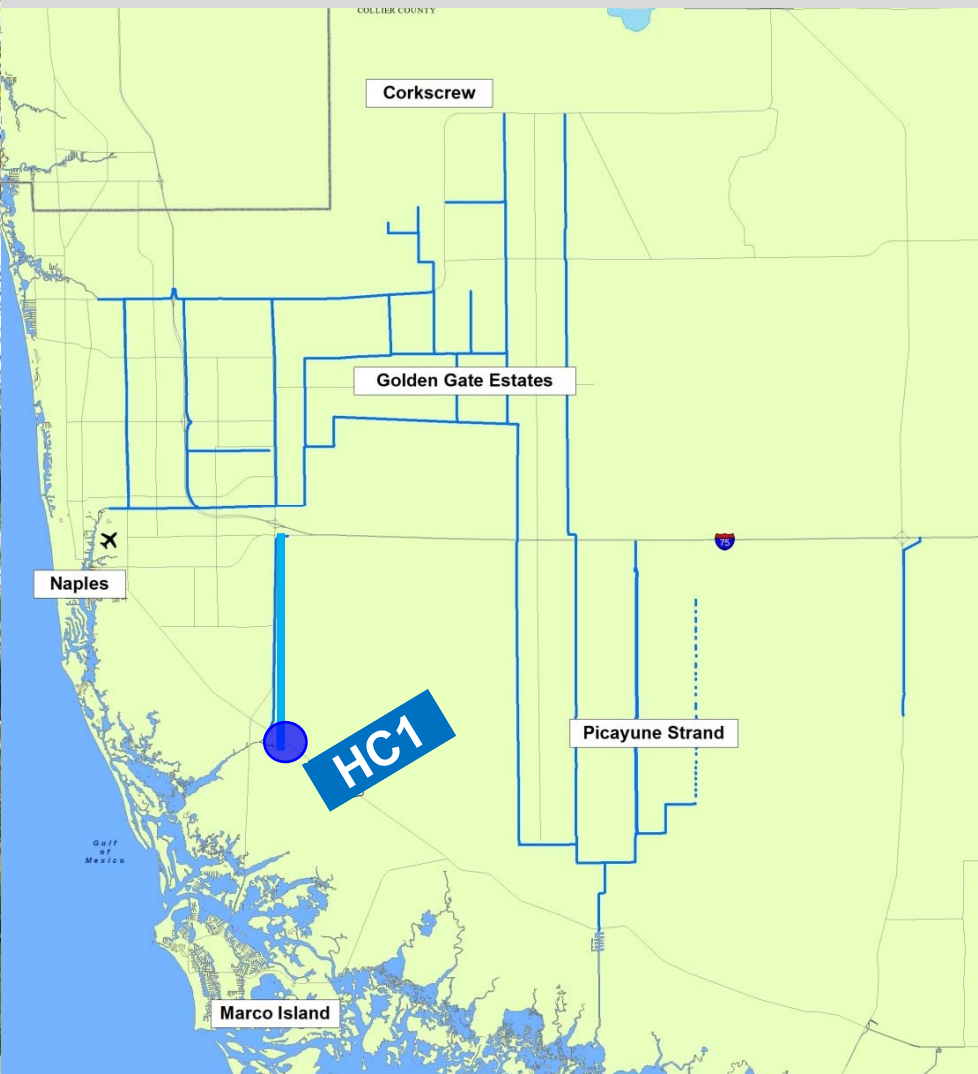
BCB Canal Levels ~ Daily Average Track

FAKA UNION CANAL



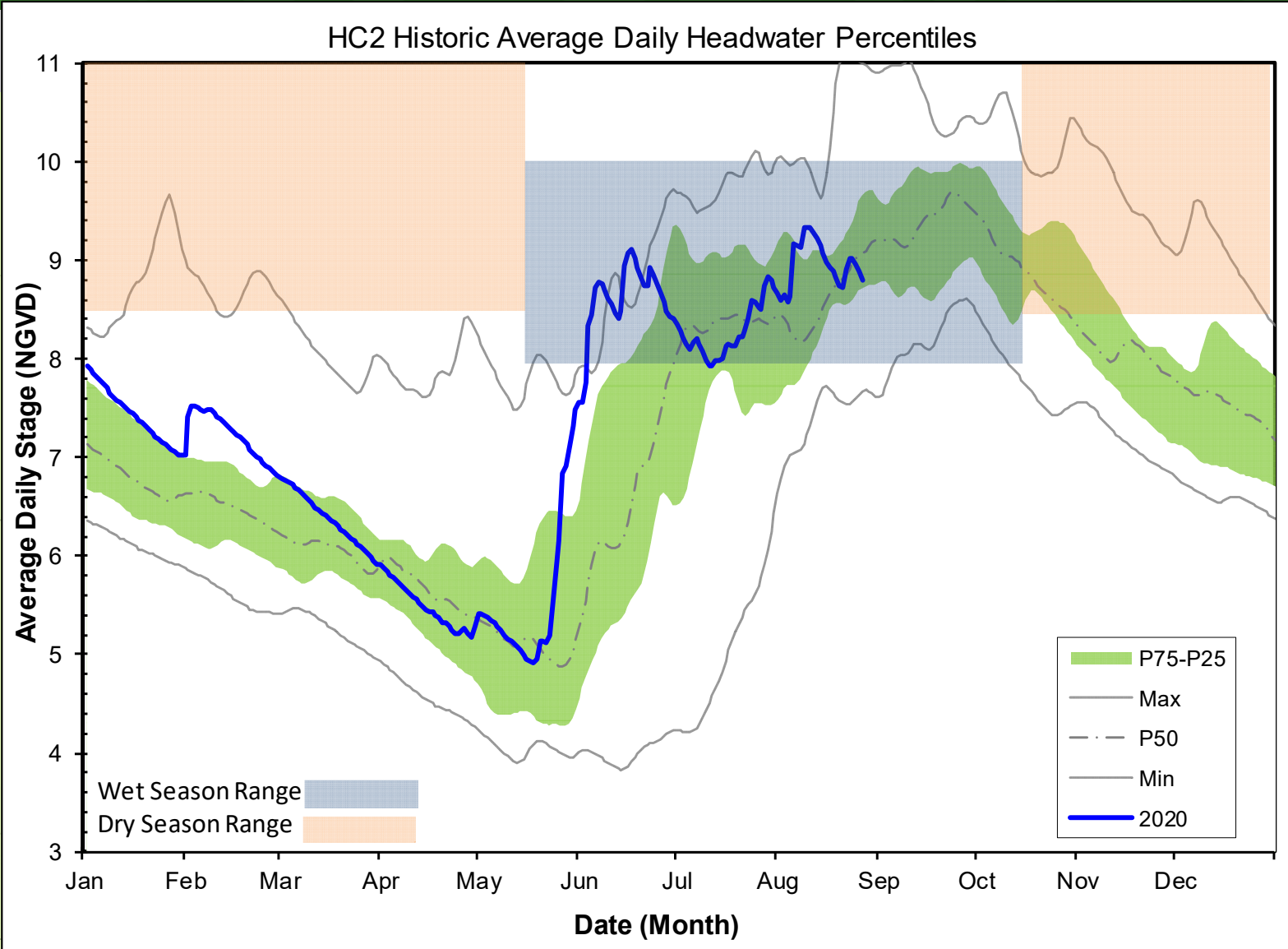
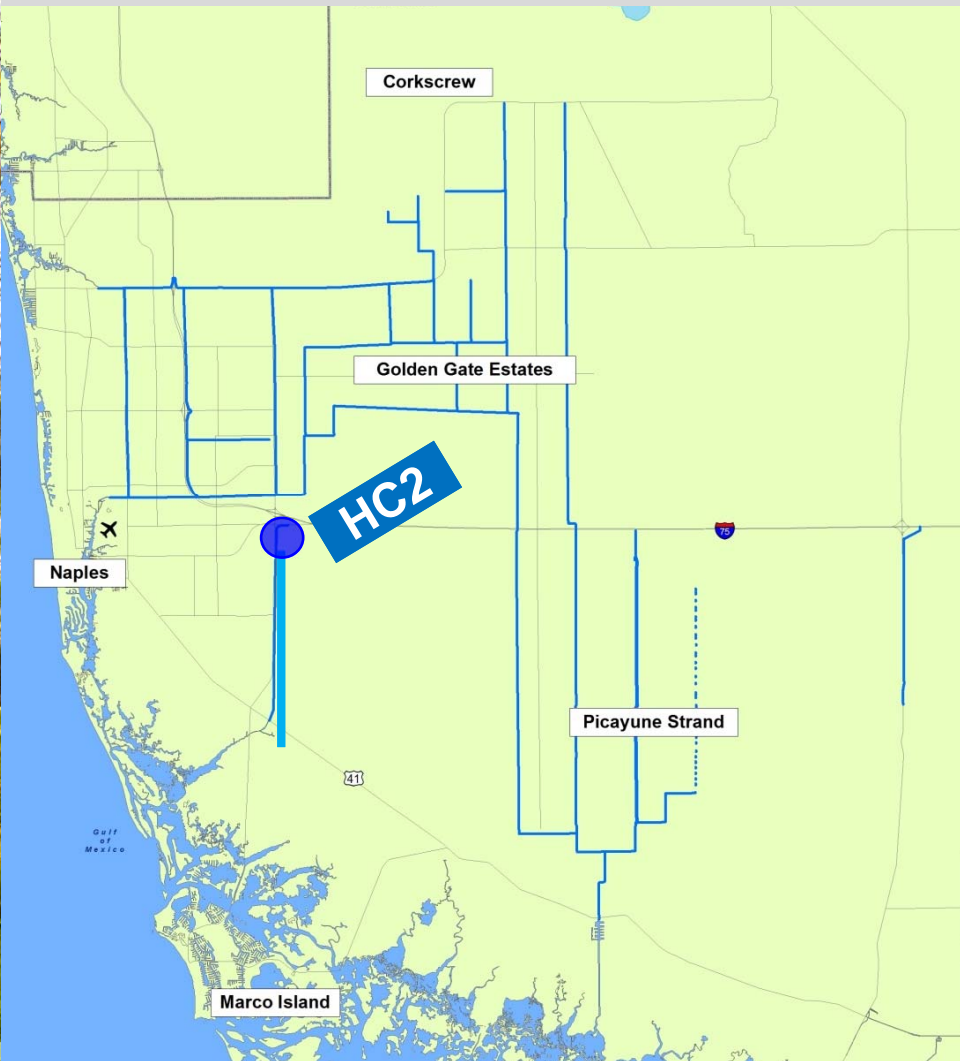
BCB Canal Levels ~ Daily Average Track

HENDERSON CREEK



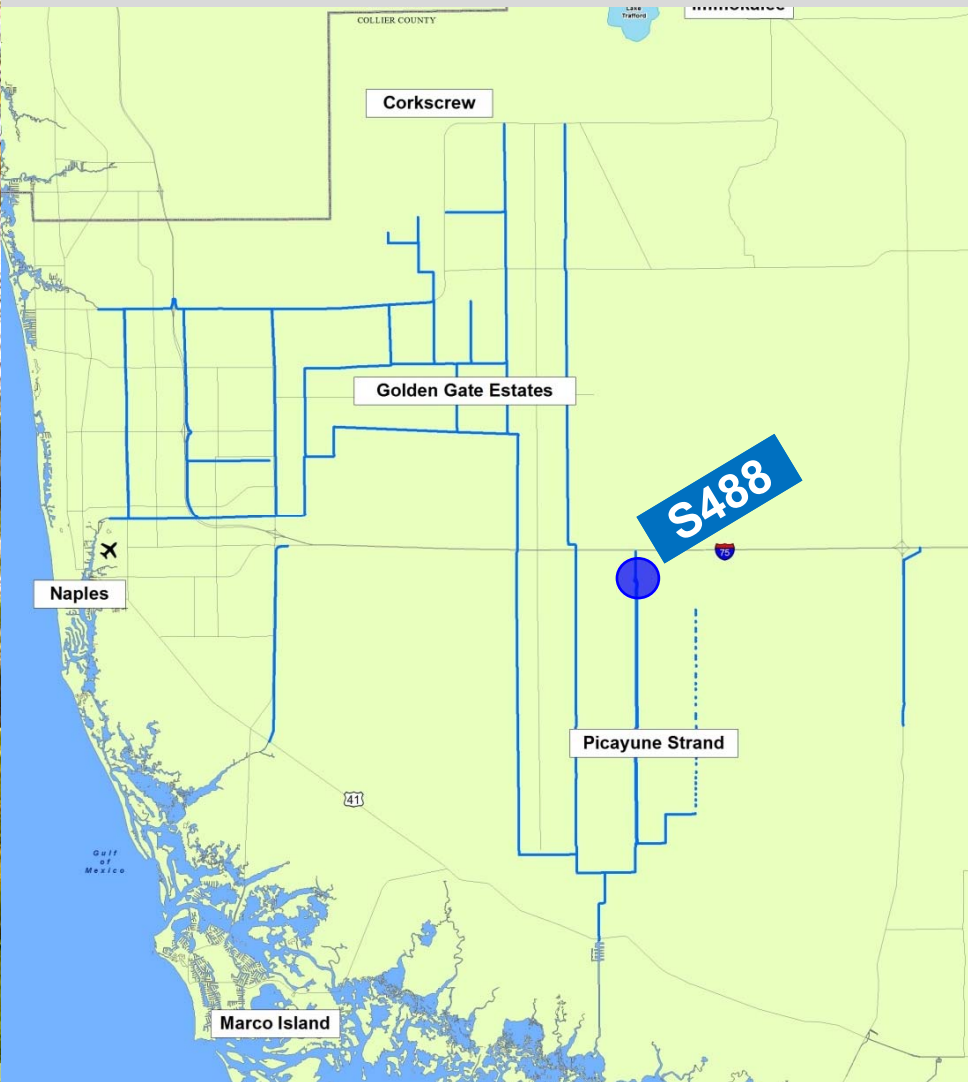
BCB Canal Levels ~ Daily Average Track

HENDERSON CREEK

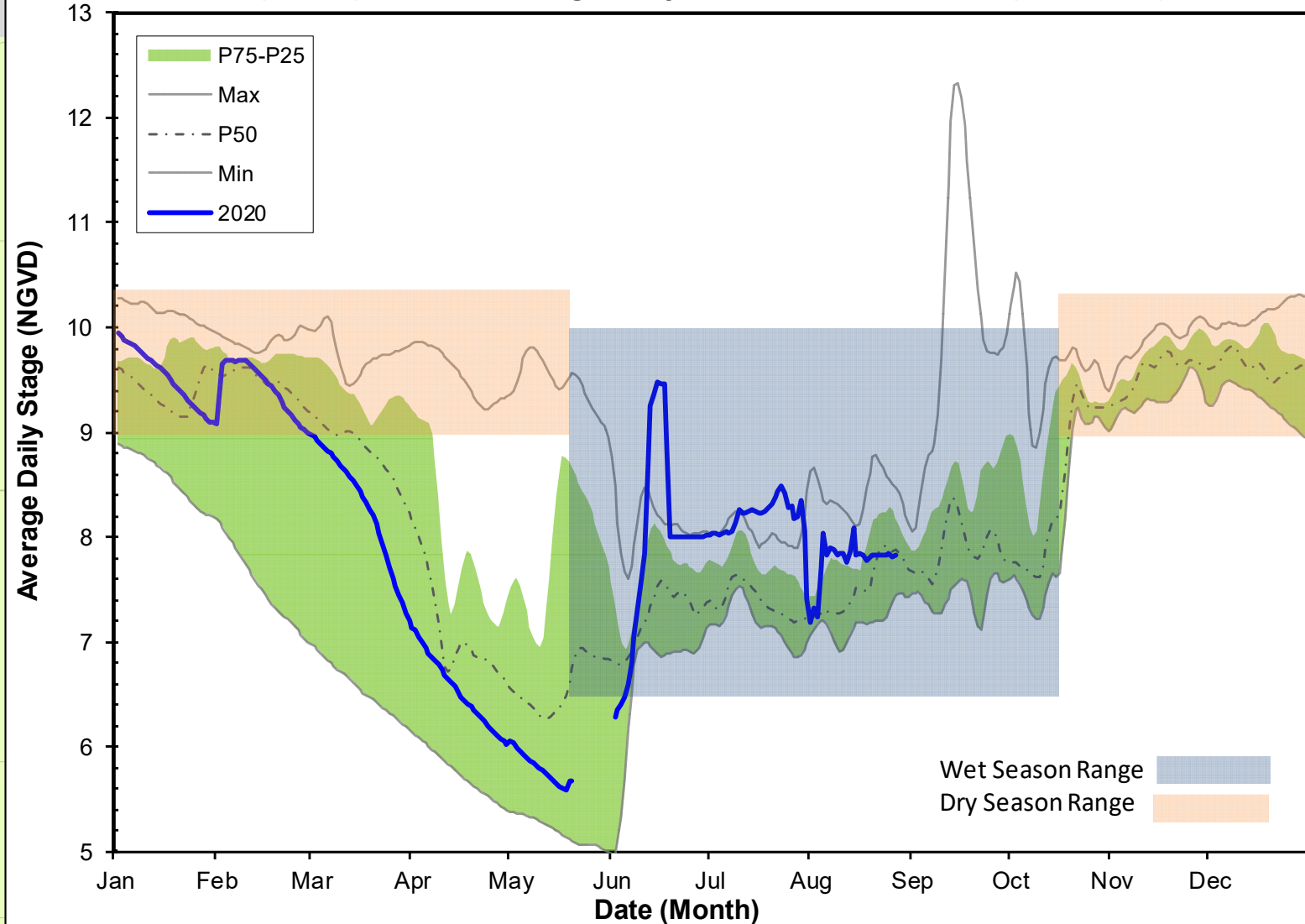


CERP PSRP Operations ~ Daily Average Stage

MERRITT PUMP STATION

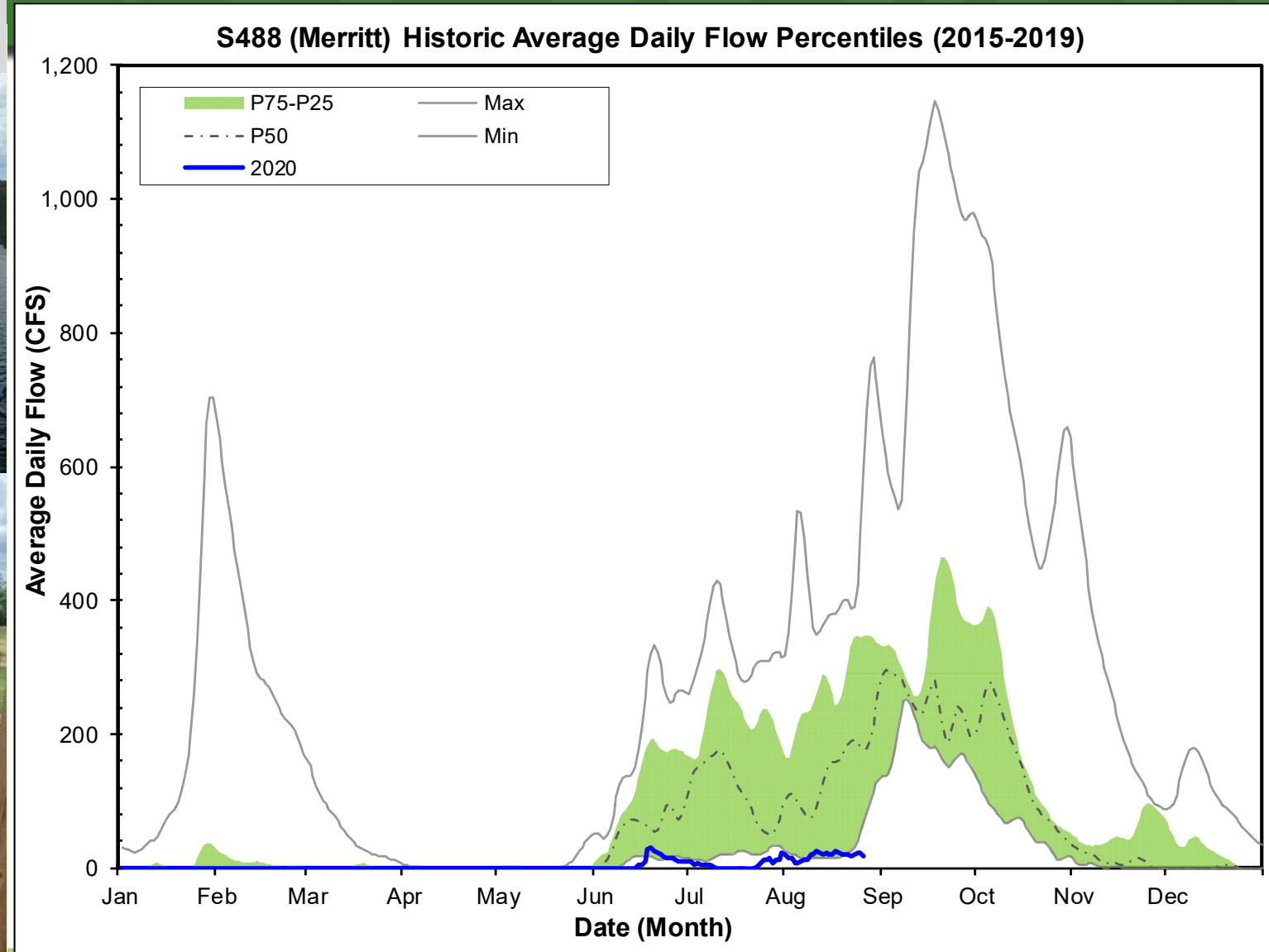


S488 (Merritt) Historic Average Daily Headwater Percentiles (2015-2019)

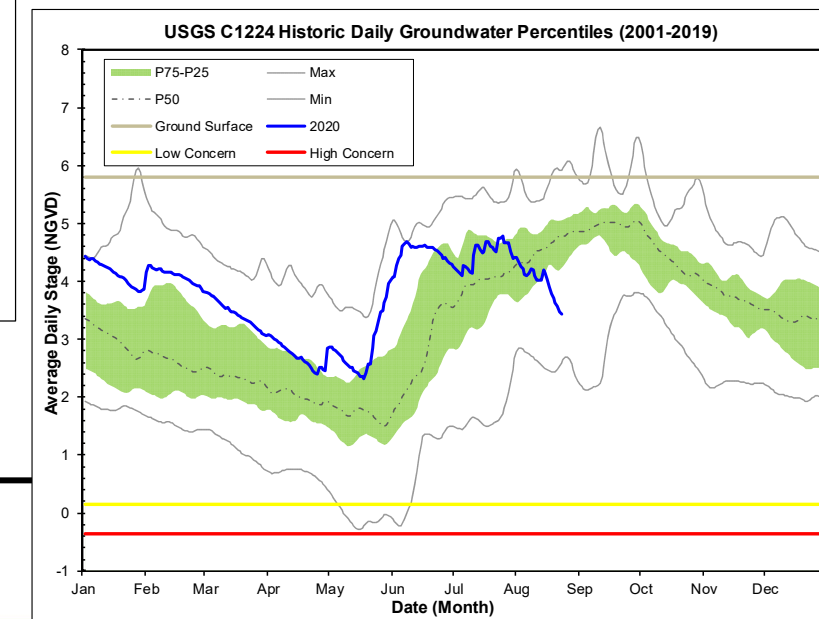
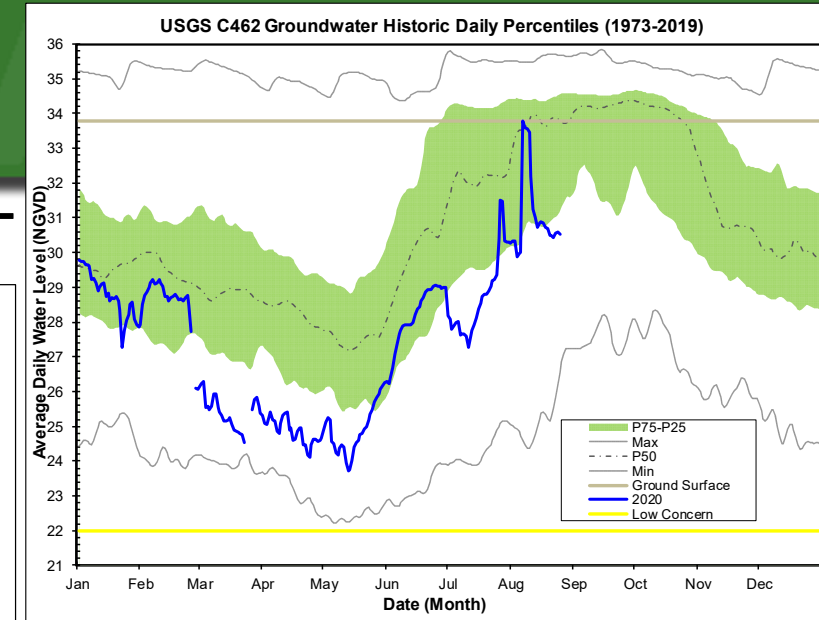
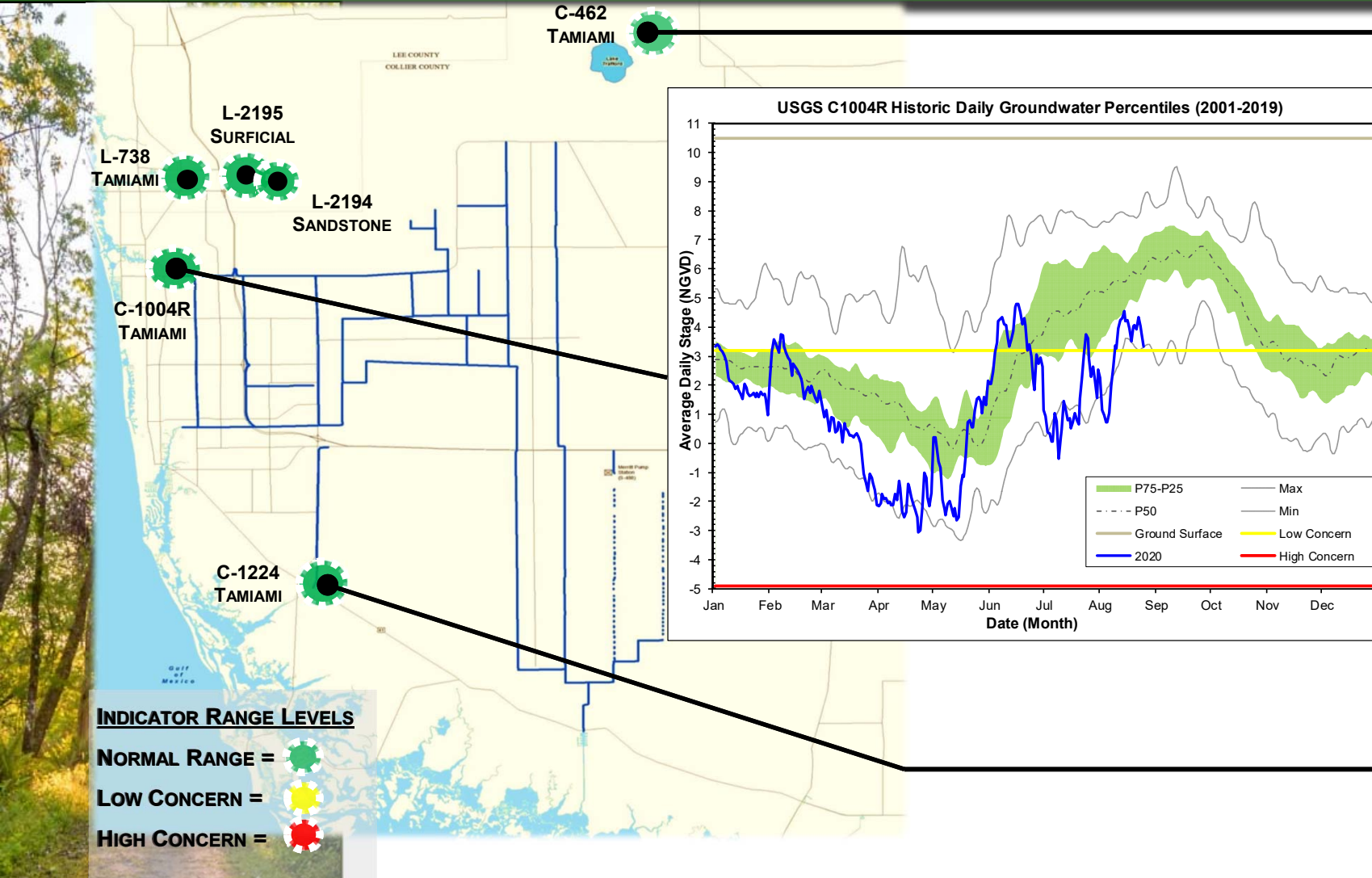


CERP PSRP Operations ~ Daily Average Flow

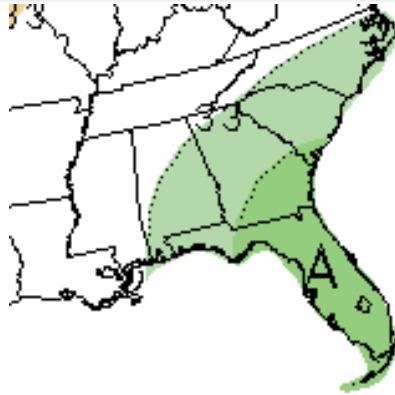
MERRITT PUMP STATION



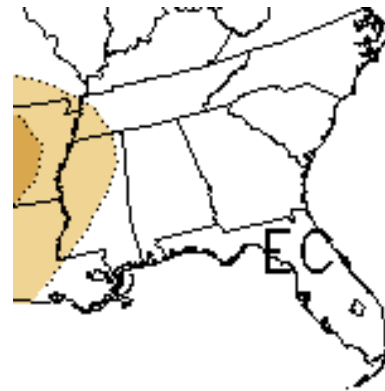
Groundwater Level Trends



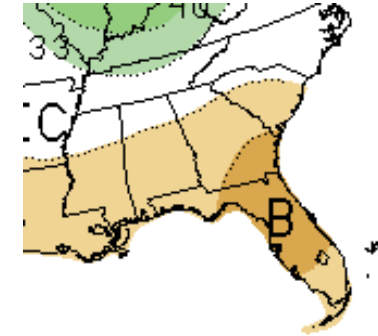
Long-Range Precipitation Outlook



September 2020

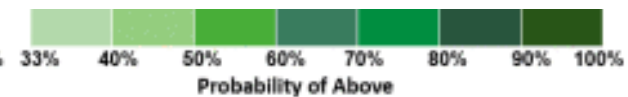
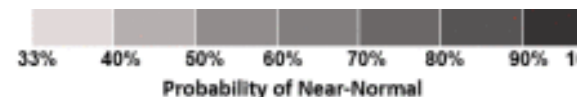
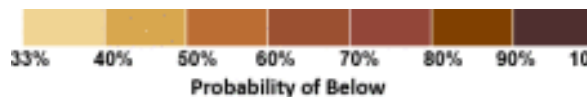


Oct. – Dec. 2020



Jan. 2021 – Mar. 2021

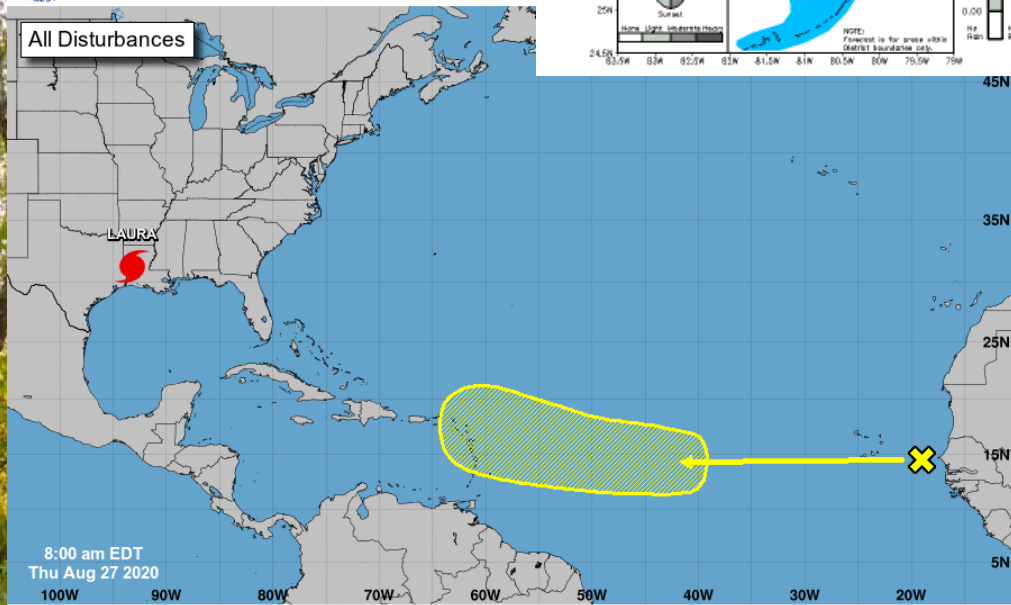
- The most recent CPC precipitation outlook for September 2020 calls for above average chances for above-normal rainfall for south Florida.
- The CPC precipitation outlook for October - December calls for equal chances for above, below, or average rainfall.
- The CPC precipitation outlook for January - March calls for above average chance for below-normal rainfall.



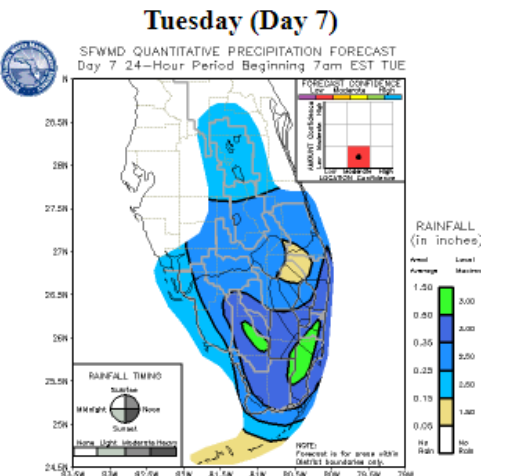
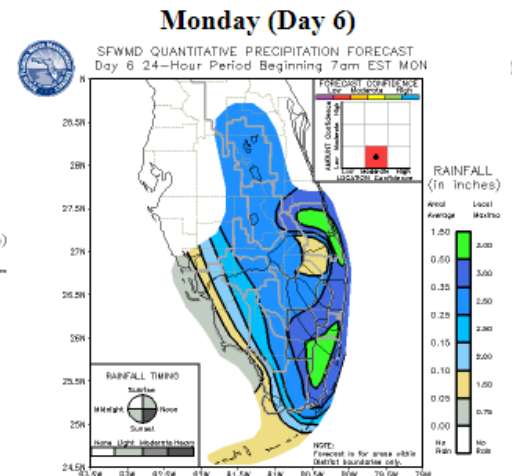
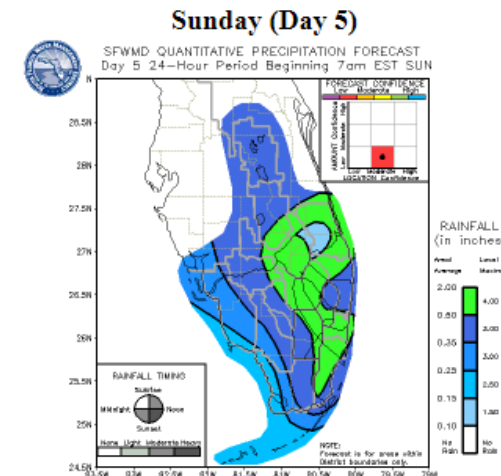
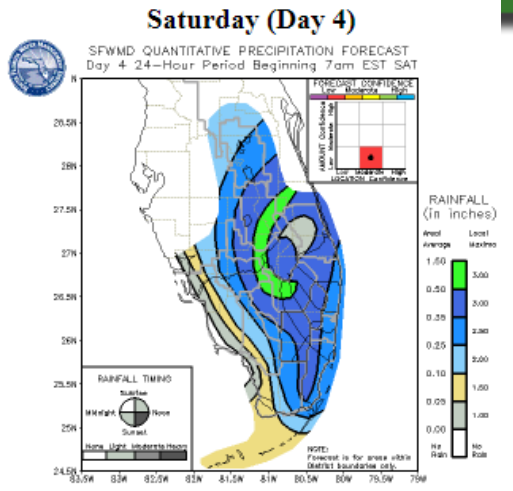
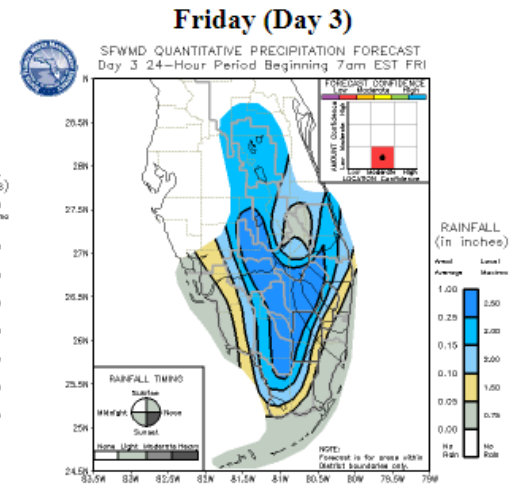
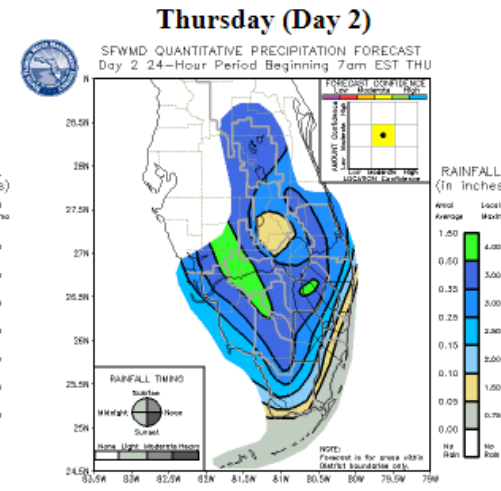
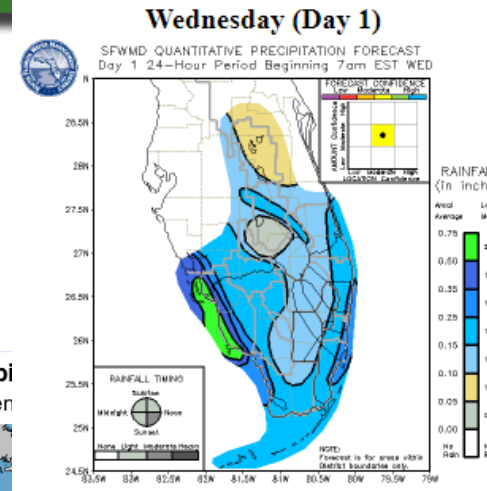
7 Day Weather Outlook



Five-Day Graphical Tropi
National Hurricane Cen



Current Disturbances and Five-Day Cyclone Formation Chance:
 Tropical or Sub-Tropical Cyclone: ○ Depression ○ Storm ○ Hurricane
 Post-Tropical Cyclone or Remnants



BCB Water Conditions Report

QUESTIONS ?

