

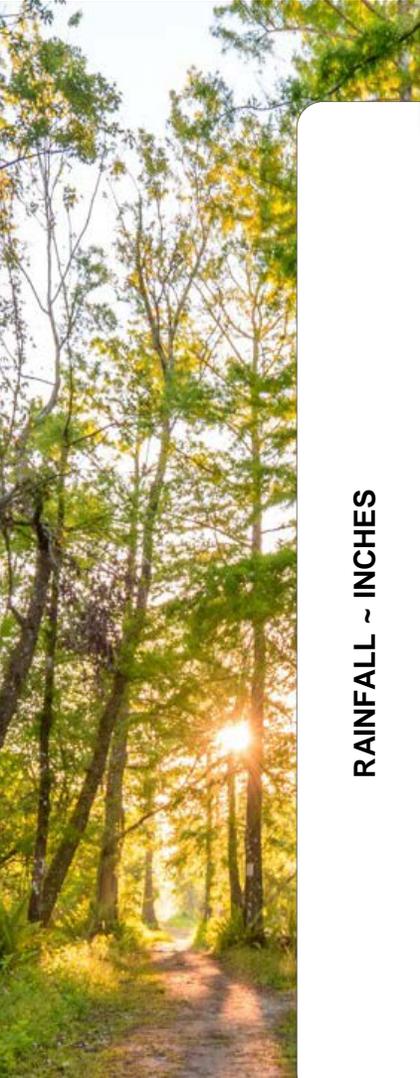


BIG CYPRESS BASIN BOARD MEETING

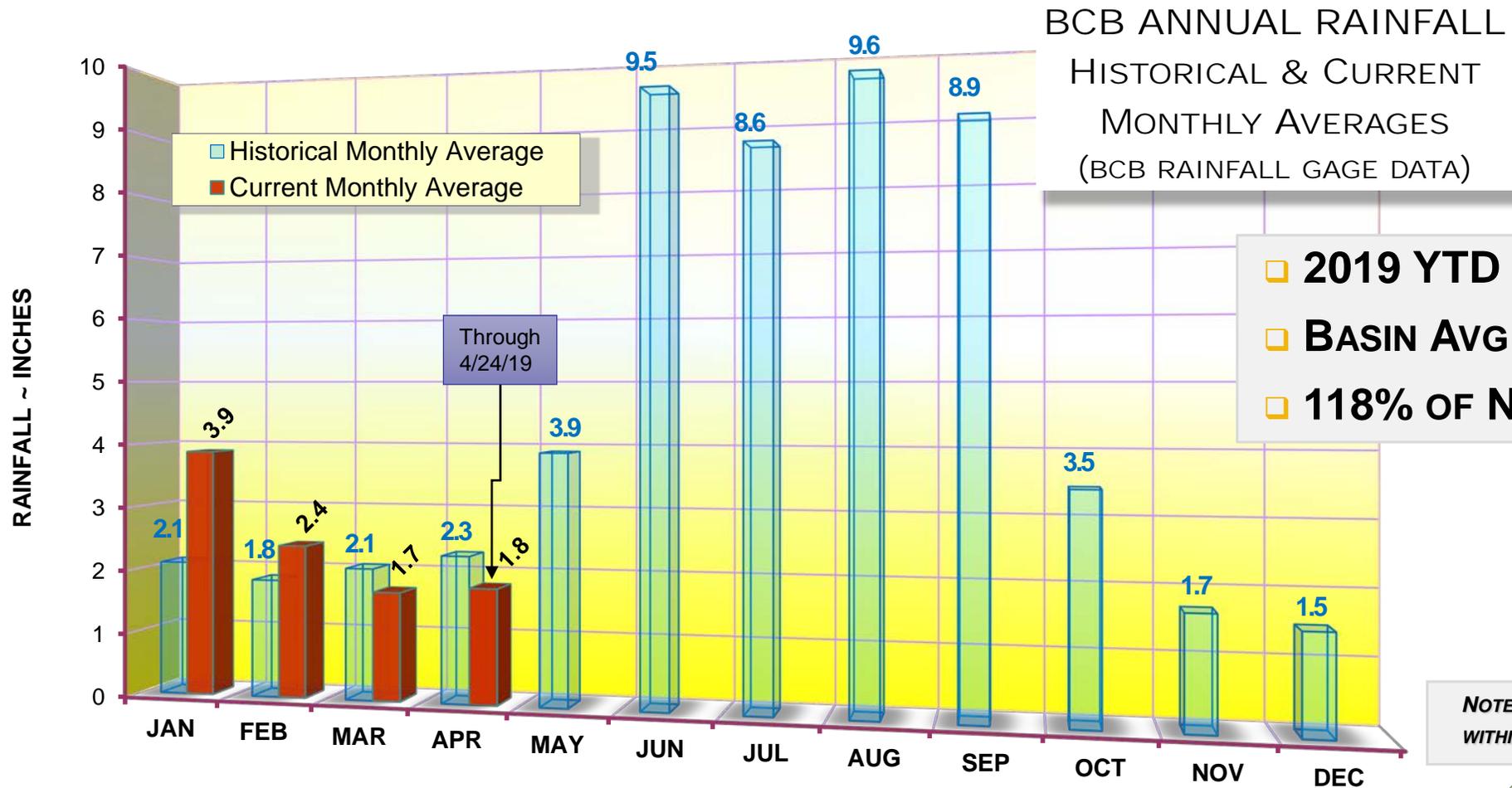
BCB WATER CONDITION REPORT
April 25, 2019

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

Hydrologic Conditions ~ BCB Gage Rainfall



2019 MONTHLY SUMMARY



NOTE: COVERAGE FOR LOCALITIES WITHIN BCB GAGE NETWORK ONLY

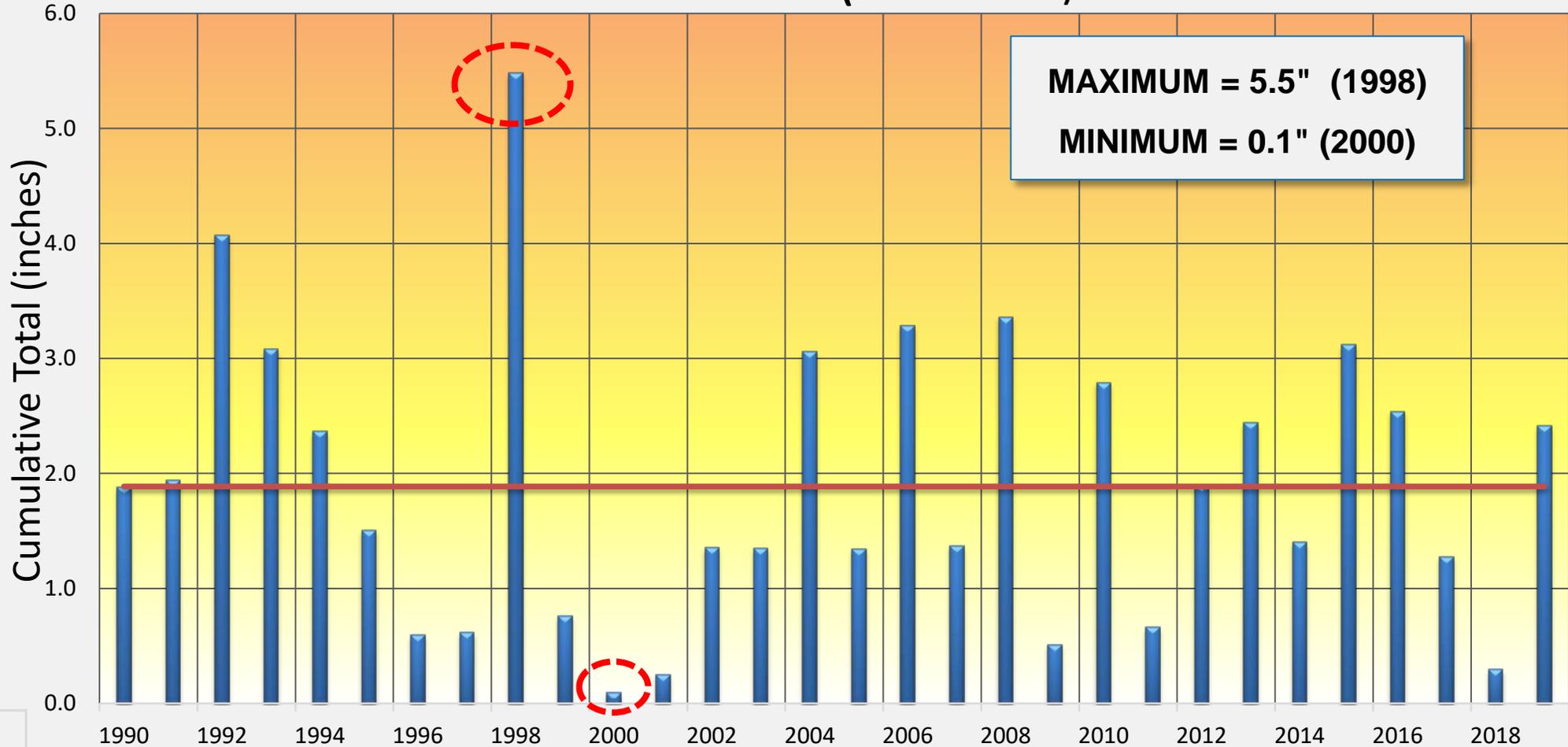
BCB February Rainfall ~ Historical



- 2019: 2.42"
- High: 5.5" (1998)
- Low: 0.1" (2000)
- Avg: 1.8"

NOTE: COVERAGE FOR LOCALITIES WITHIN BCB GAGE NETWORK ONLY

BCB FEBRUARY RAINFALL
Period (1990 ~ 2019)

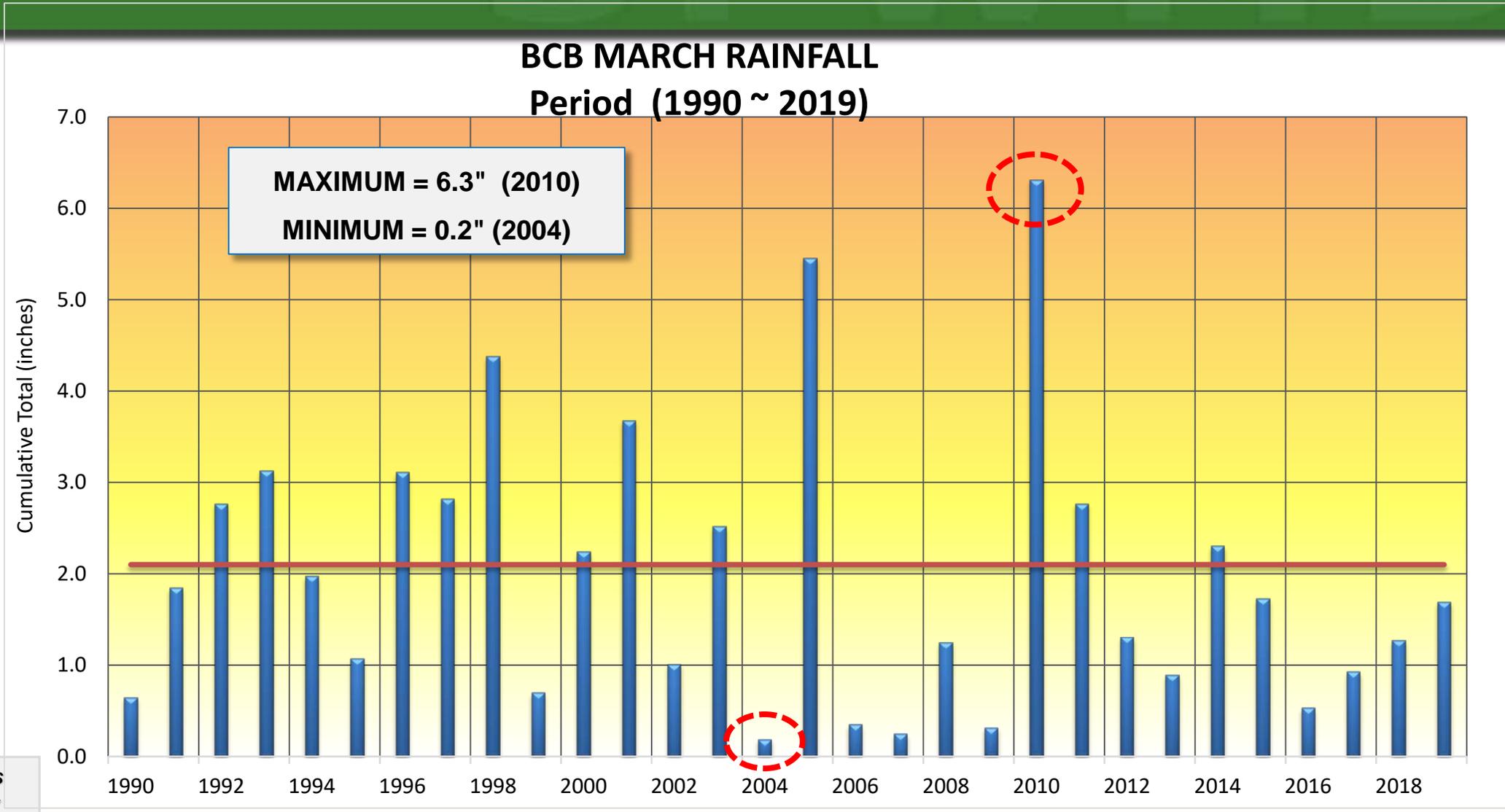


BCB March Rainfall ~ Historical



- 2019: 1.67"
- High: 6.3" (2010)
- Low: 0.2" (2004)
- Avg: 2.1"

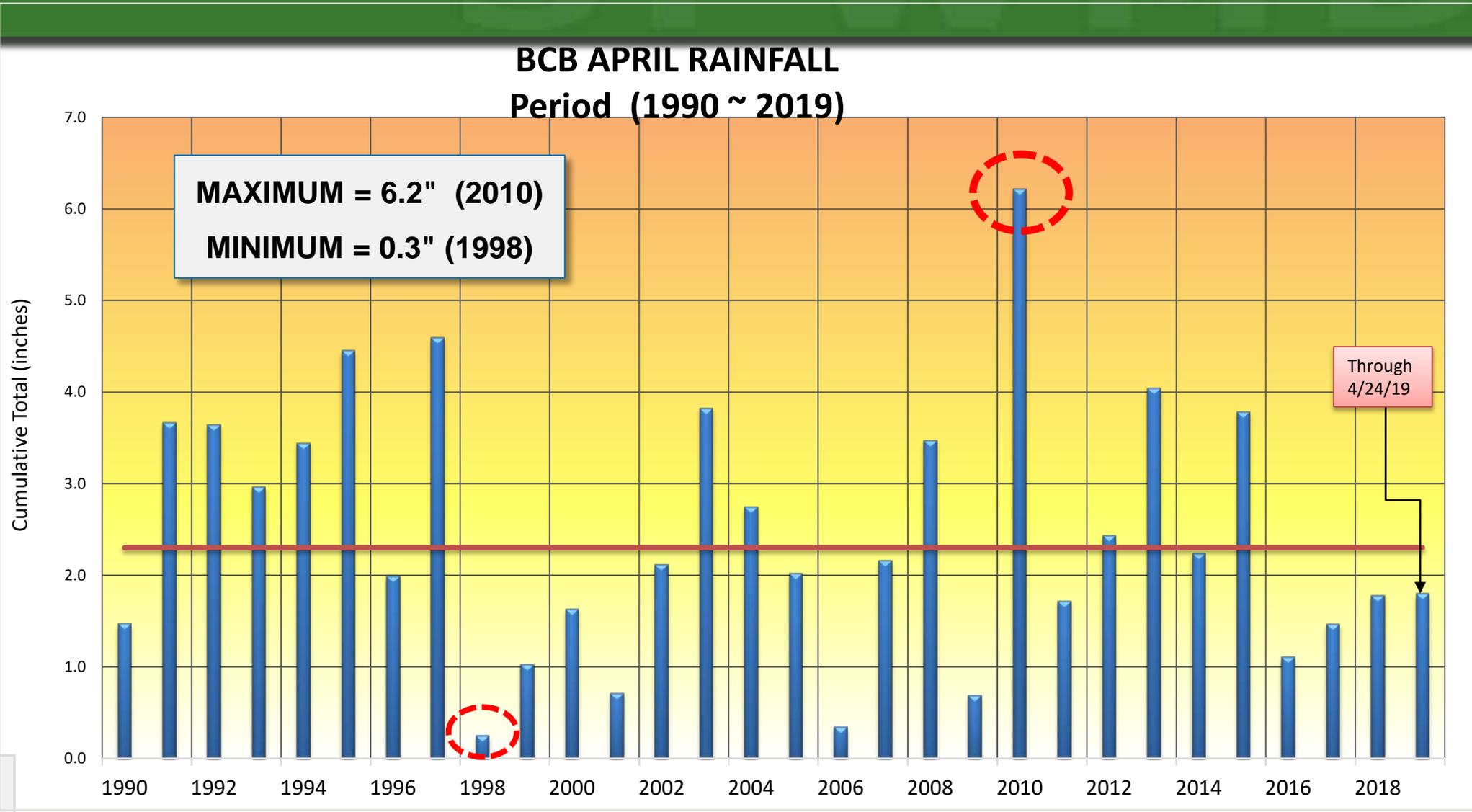
NOTE: COVERAGE FOR LOCALITIES WITHIN BCB GAGE NETWORK ONLY



BCB April Rainfall ~ Historical

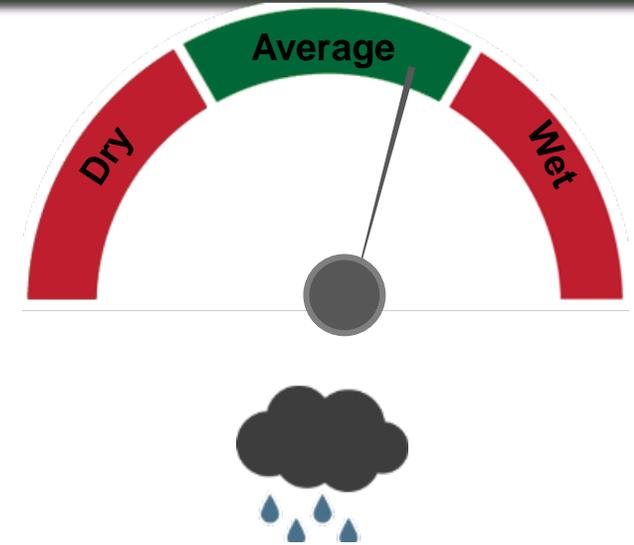
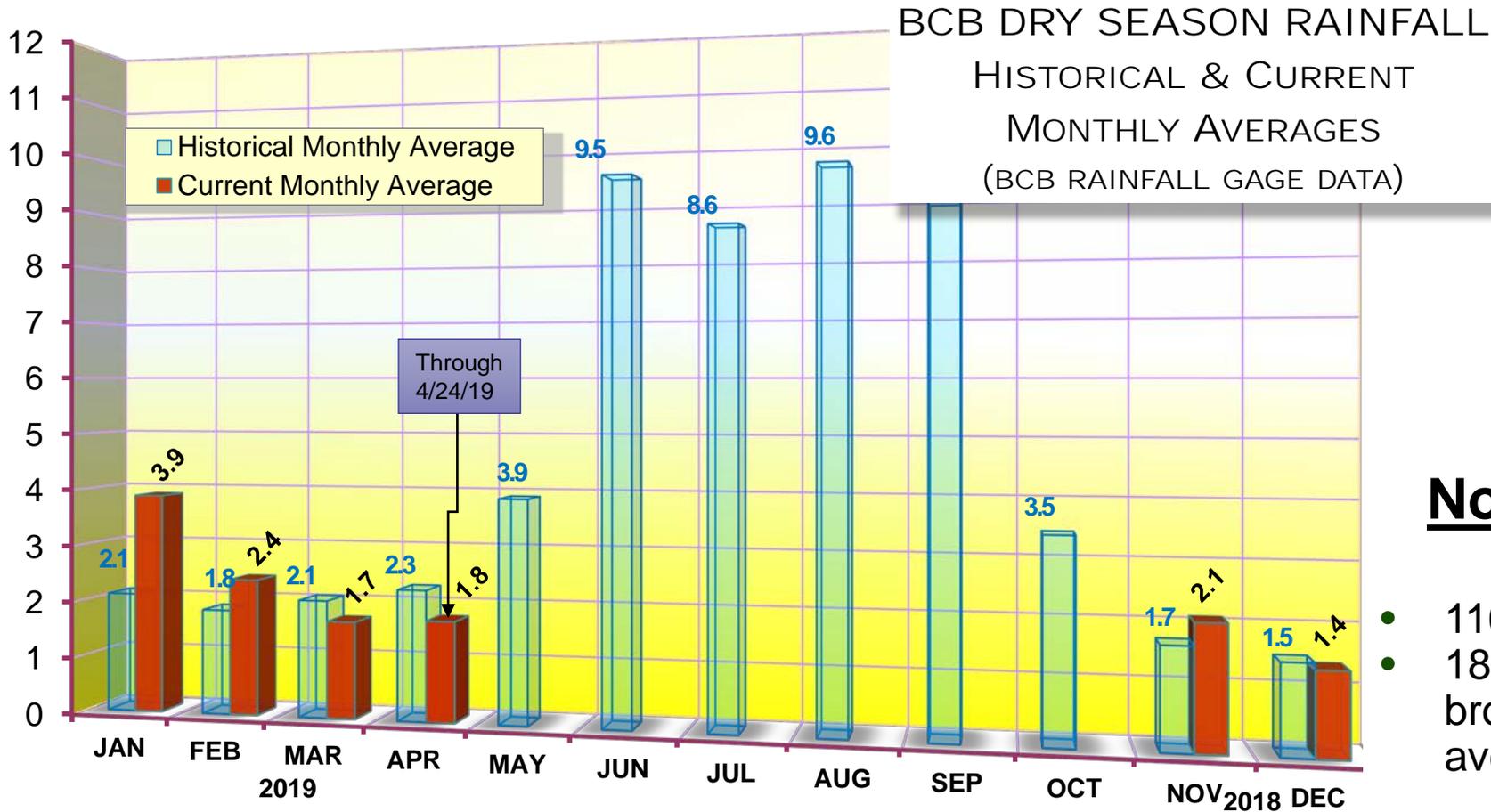


- 2019: 1.8"
- High: 6.2" (2010)
- Low: 0.3" (1998)
- Avg: 2.3"



NOTE: COVERAGE FOR LOCALITIES WITHIN BCB GAGE NETWORK ONLY

BCB Dry Season Summary

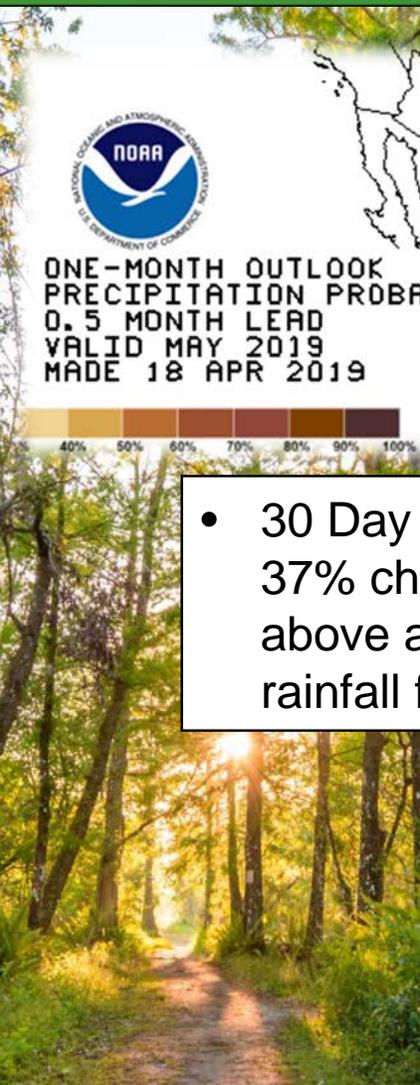


Dry Season Rainfall Nov 1, 2018 – Apr 24, 2019

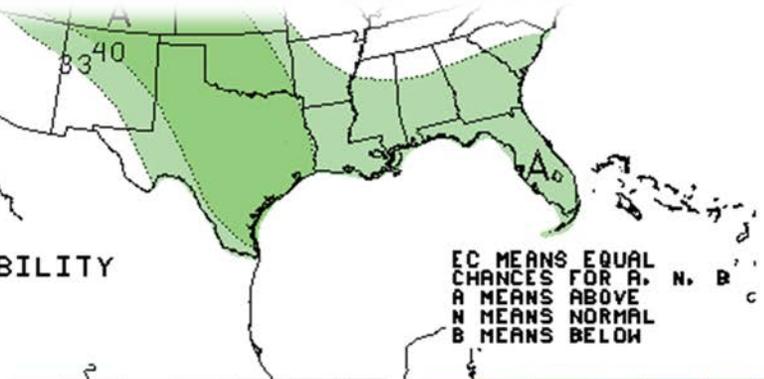
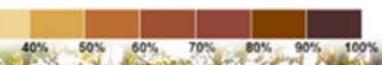
BCB Total Rainfall: 13.3"

- 116% of average, 1.8" surplus
- 185% of average January rainfall brought the dry season above average

Drought Monitor & Long-Range Rain Outlook



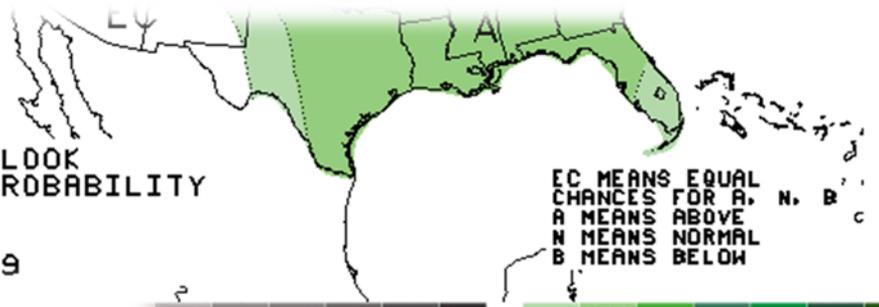
ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID MAY 2019
MADE 18 APR 2019



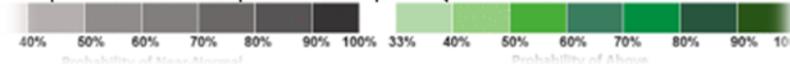
EC MEANS EQUAL CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID MJJ 2019
MADE 18 APR 2019



EC MEANS EQUAL CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



- 30 Day Outlook – 37% chance of above average rainfall for BCB

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

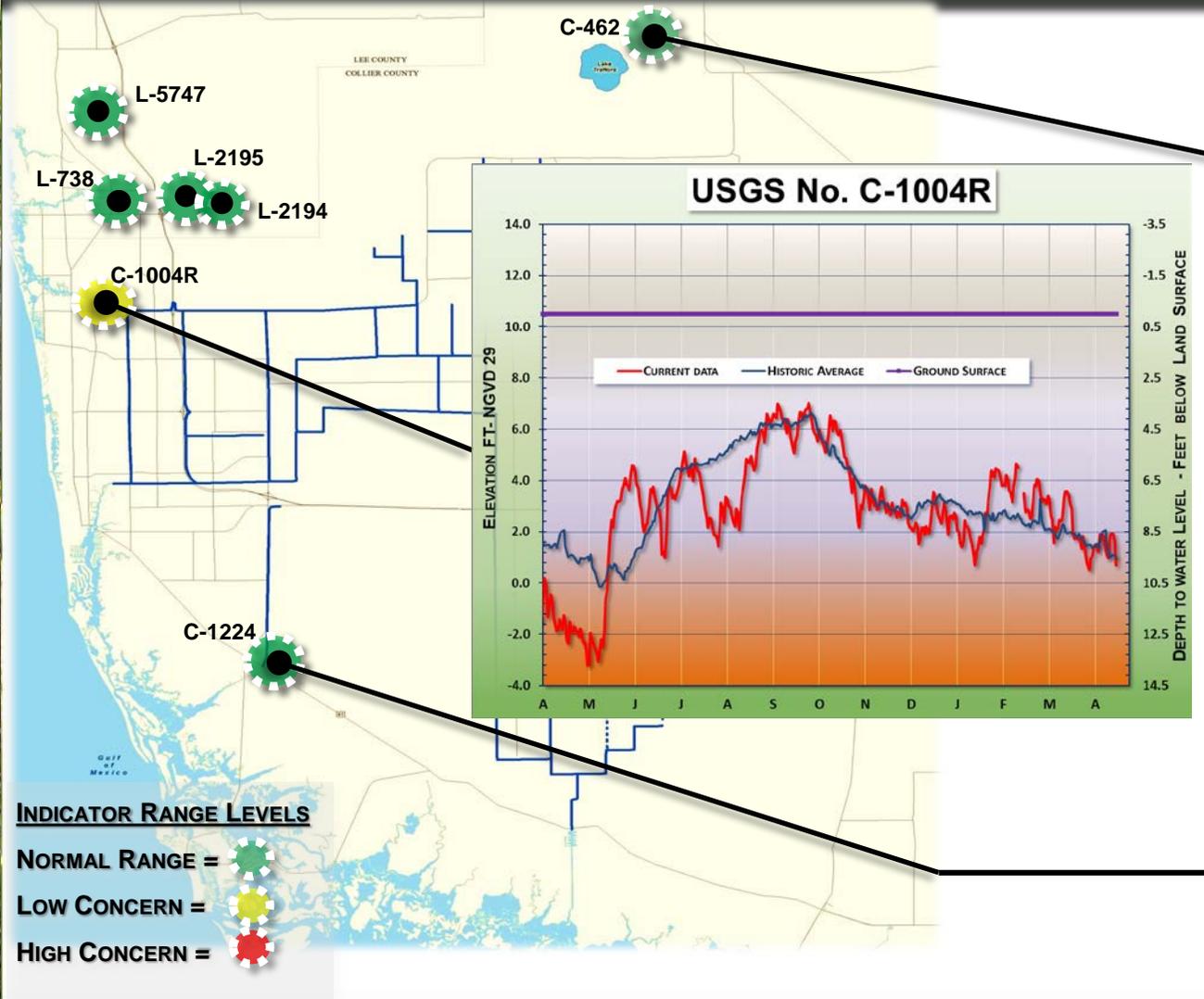
David Miskus
NOAA/NWS/NCEP/CPC



- 3 Month Outlook
 - 37% Above
 - 33% Average
 - 30% Below

- Above average rainfall for January & February brought BCB out of dry conditions

Groundwater Level Trends



Curry Dry Season Operation Comparison

CORKSCREW CANAL

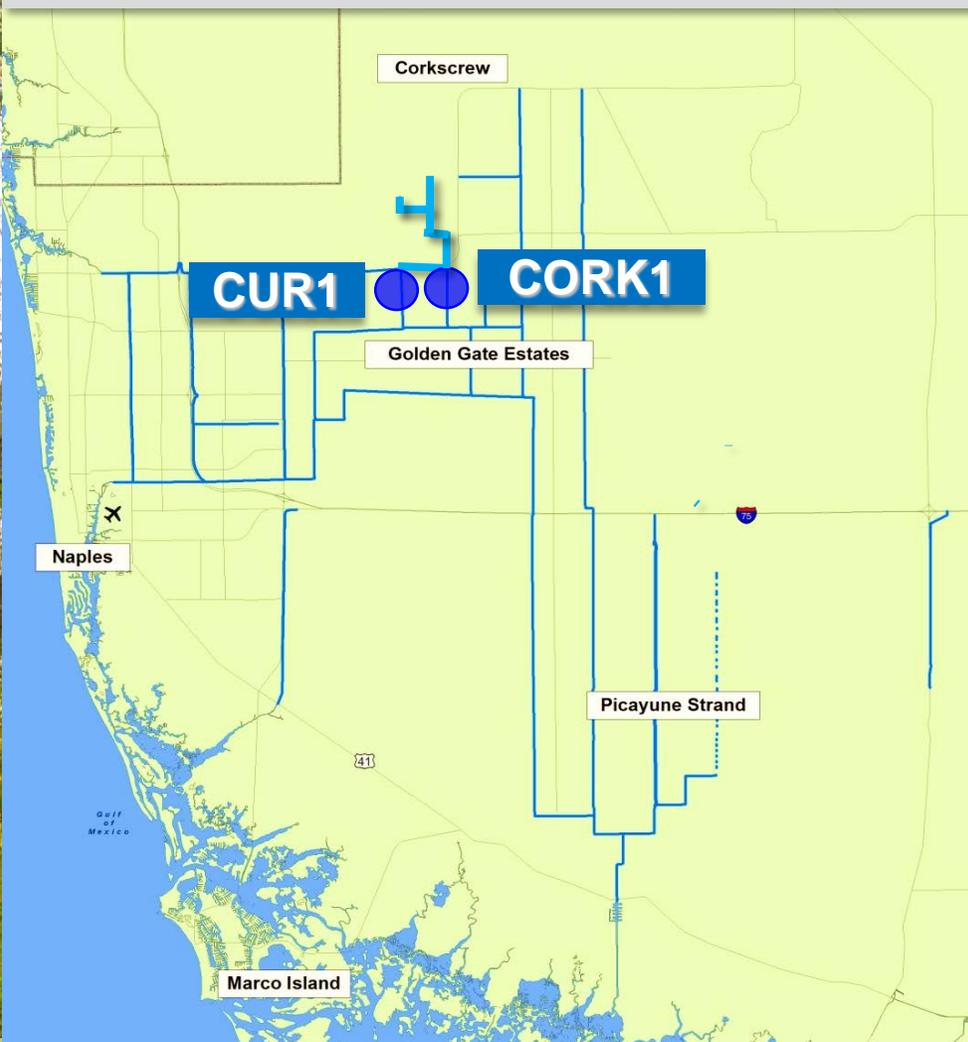
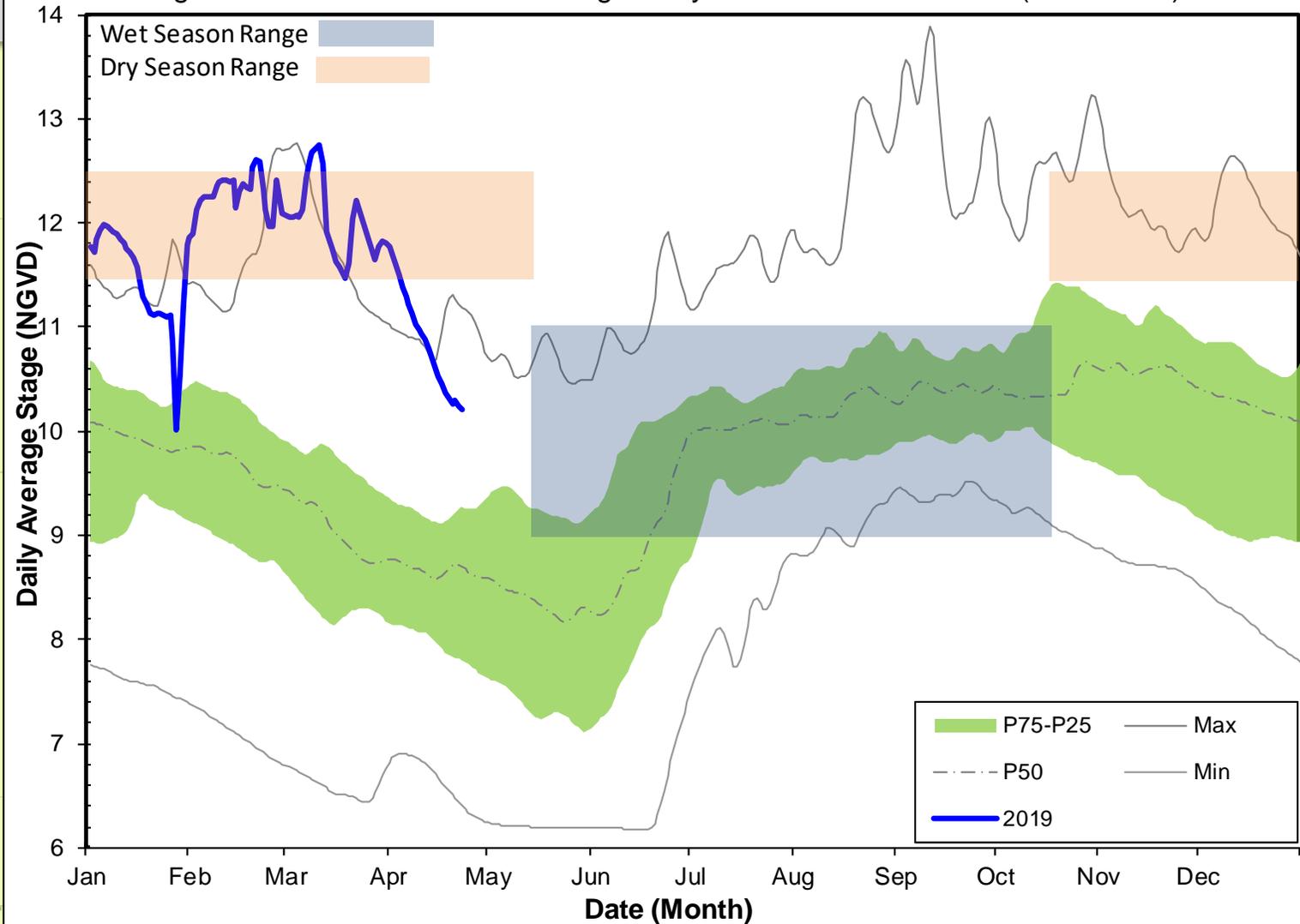
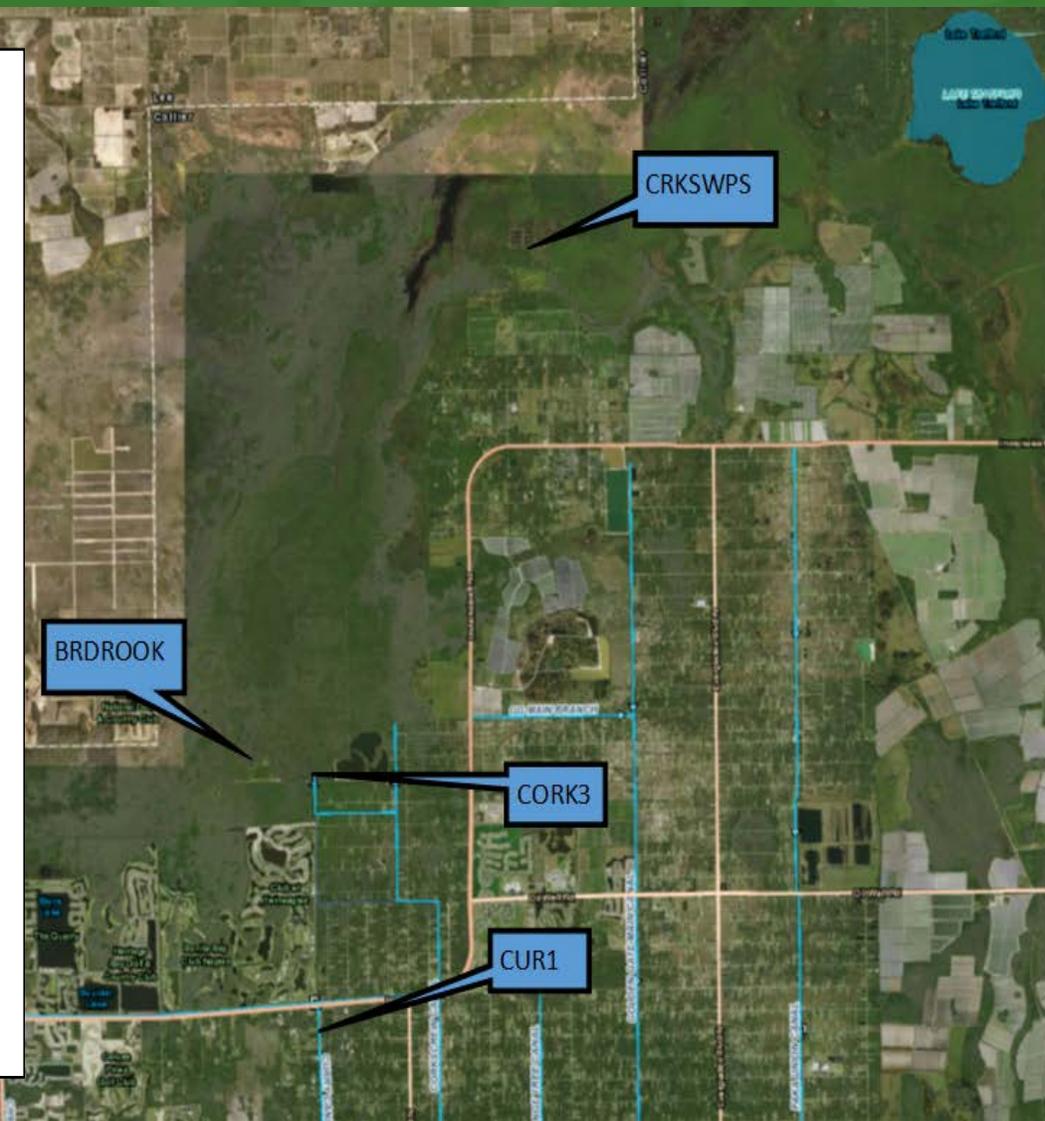
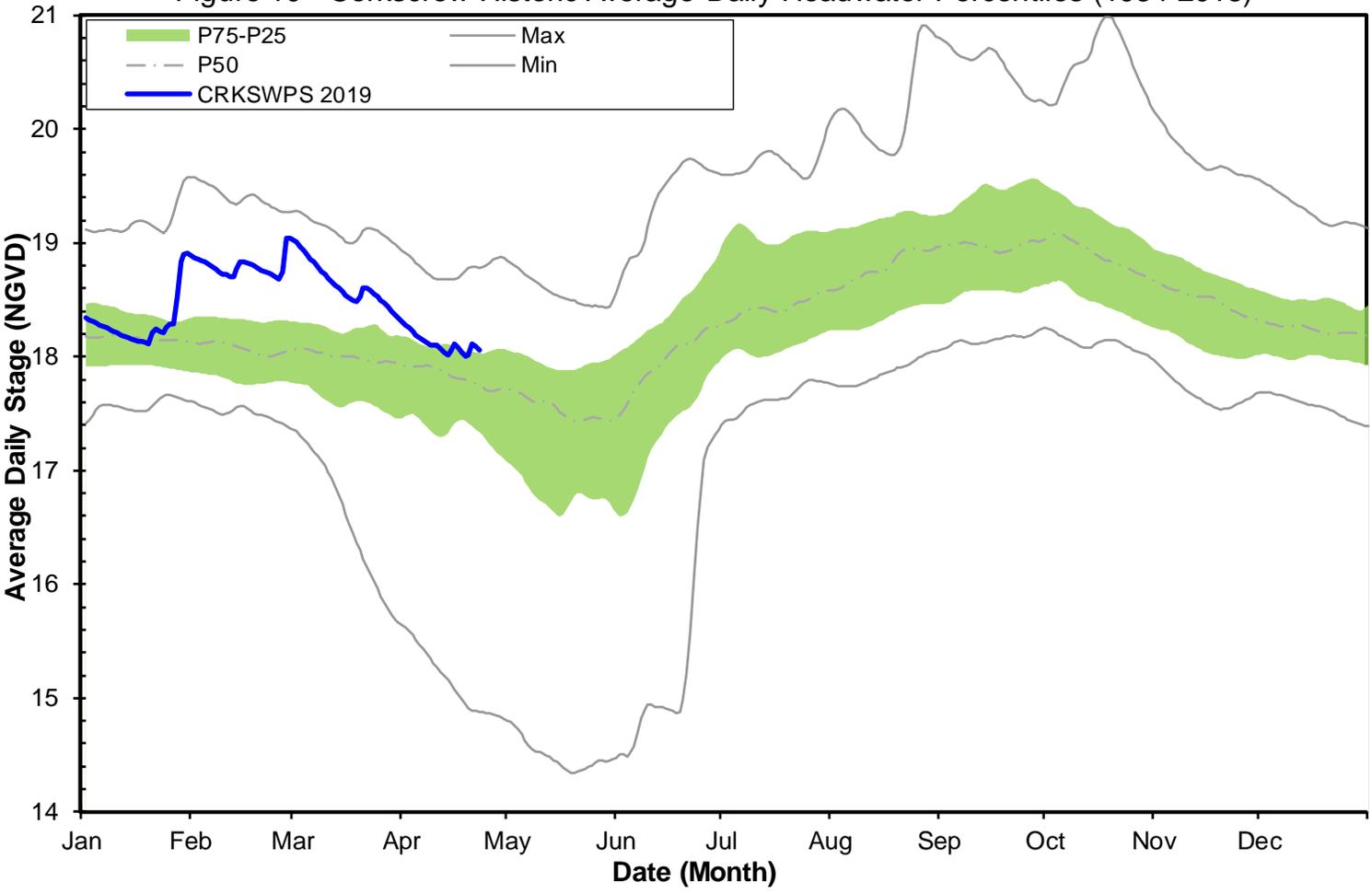


Figure 6C - CORK1 Historic Average Daily Headwater Percentiles (1989-2018)



Corkscrew Average Daily Track

Figure 10 - Corkscrew Historic Average Daily Headwater Percentiles (1984-2018)



BCB Canal Levels ~ Daily Average Track

GOLDEN GATE MAIN

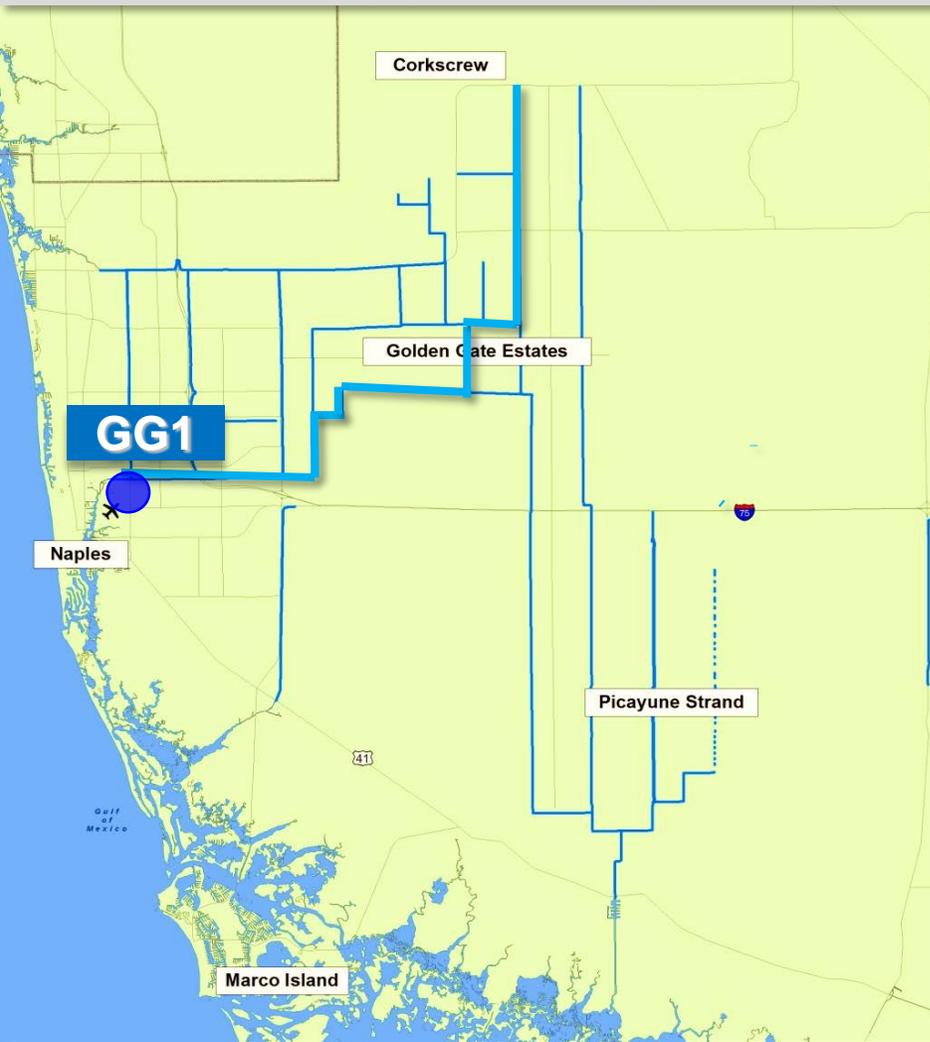
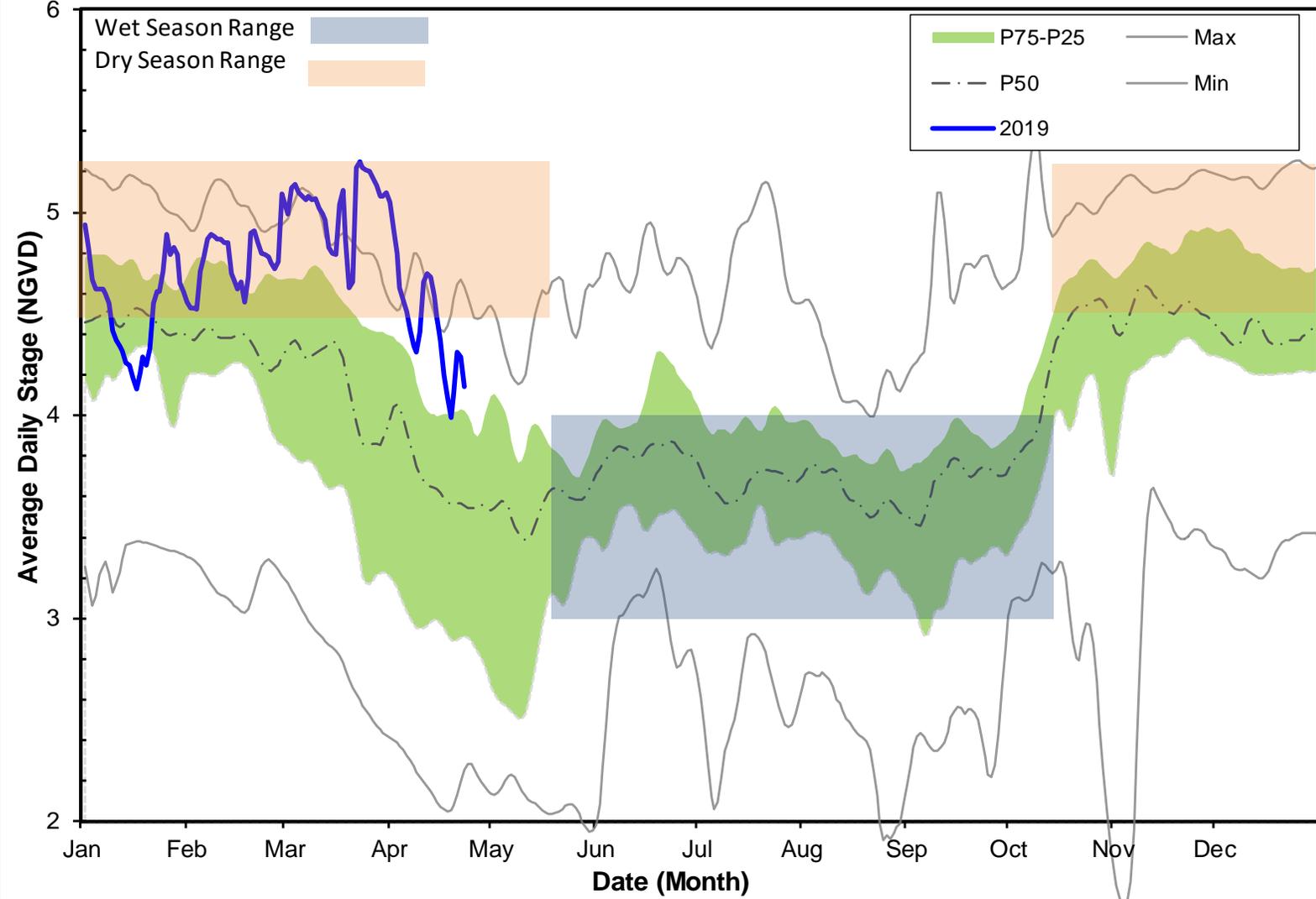
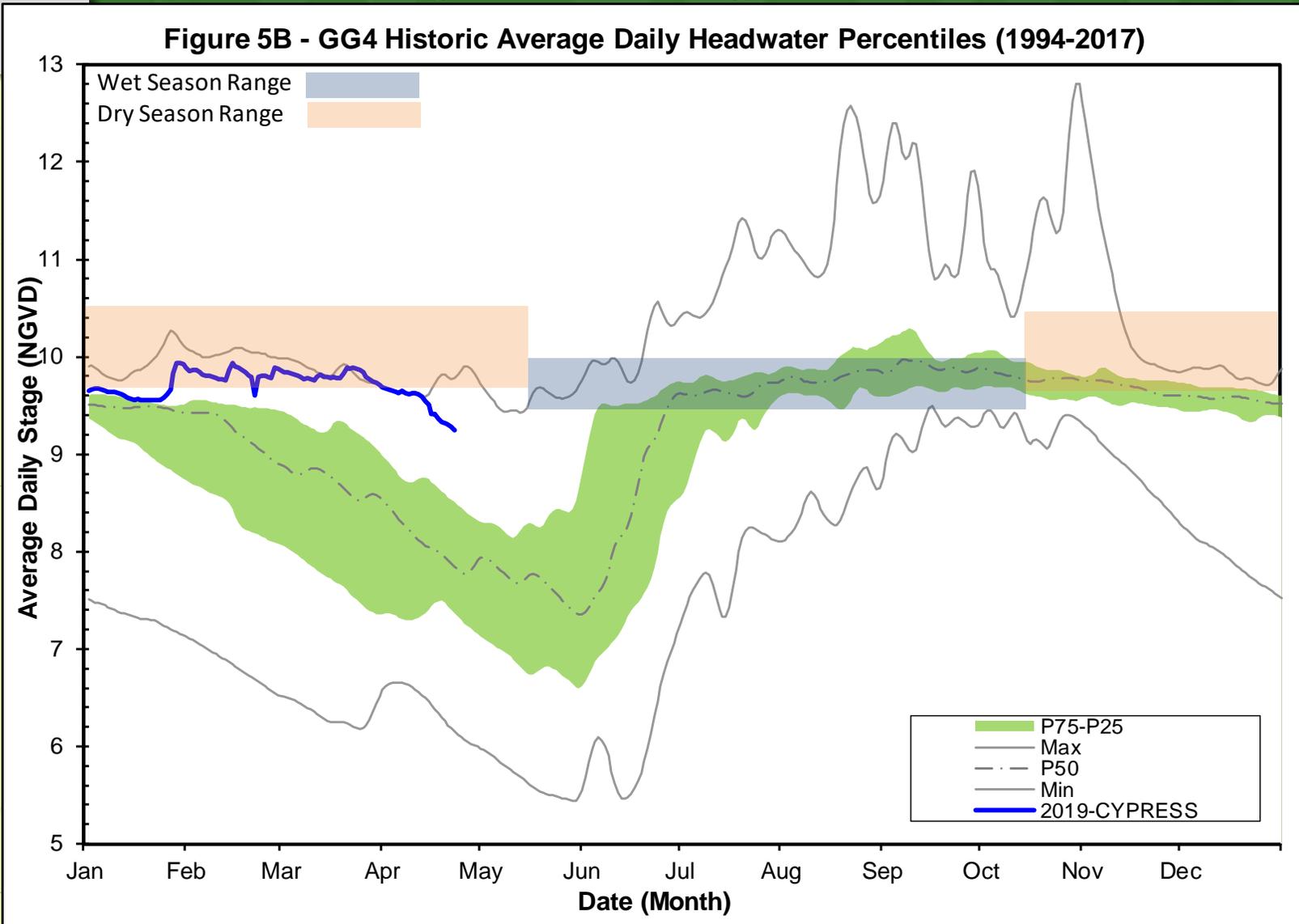
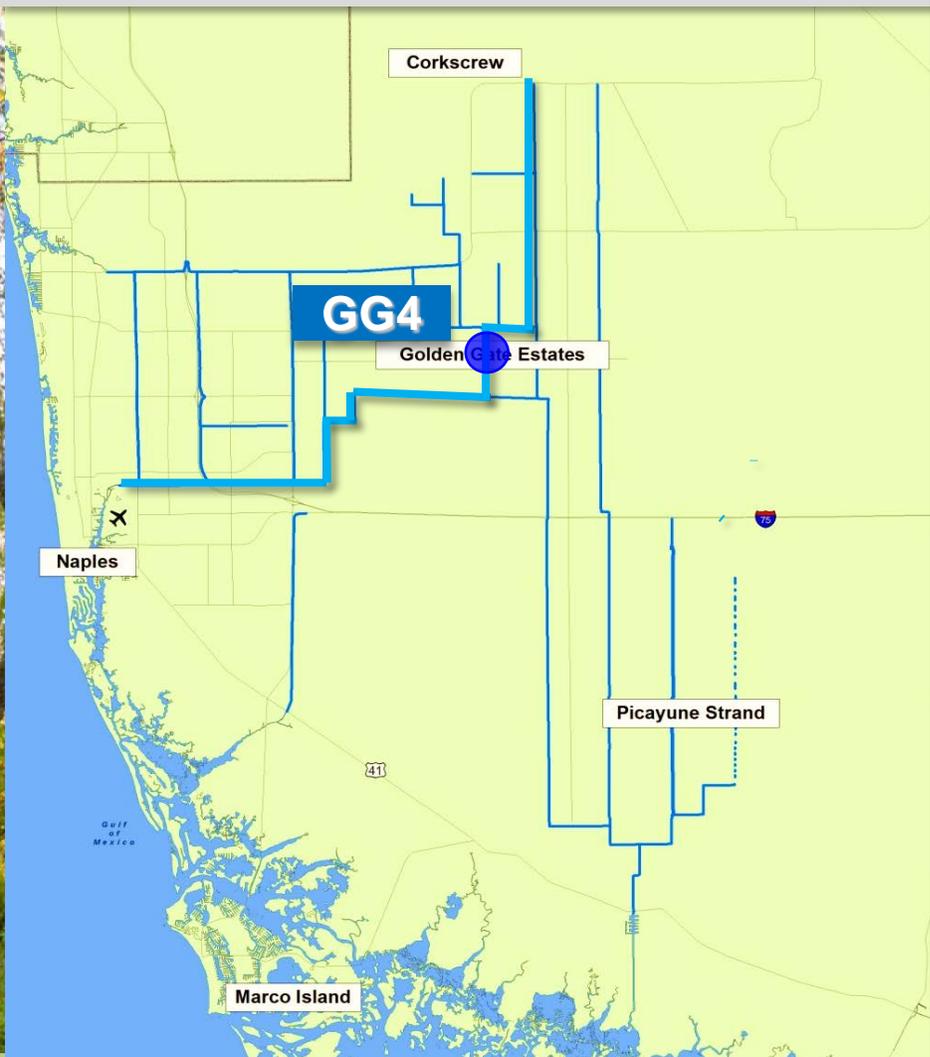


Figure 5A - GG1 Historic Average Daily Headwater Percentiles (2004-2018)



BCB Canal Levels ~ Daily Average Track

GOLDEN GATE MAIN



BCB Canal Levels ~ Daily Average Track

COCO HATCHEE CANAL

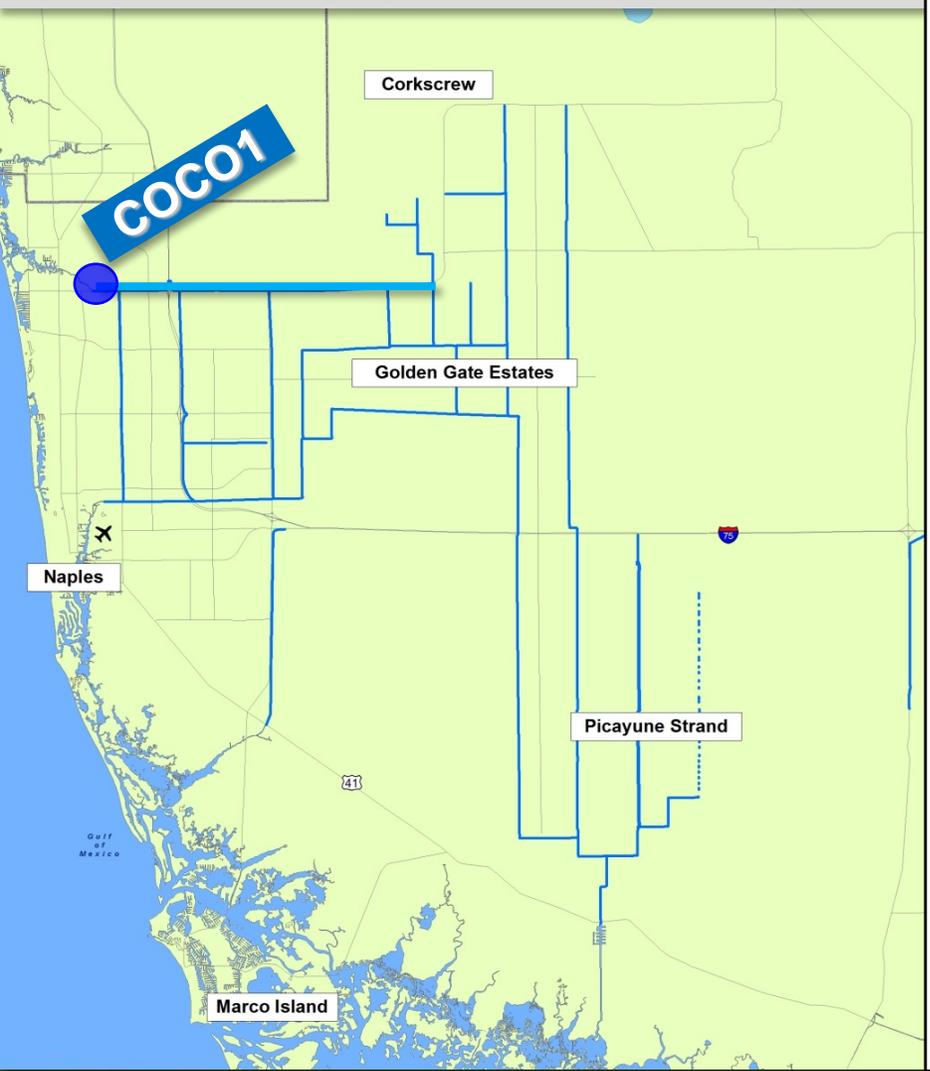
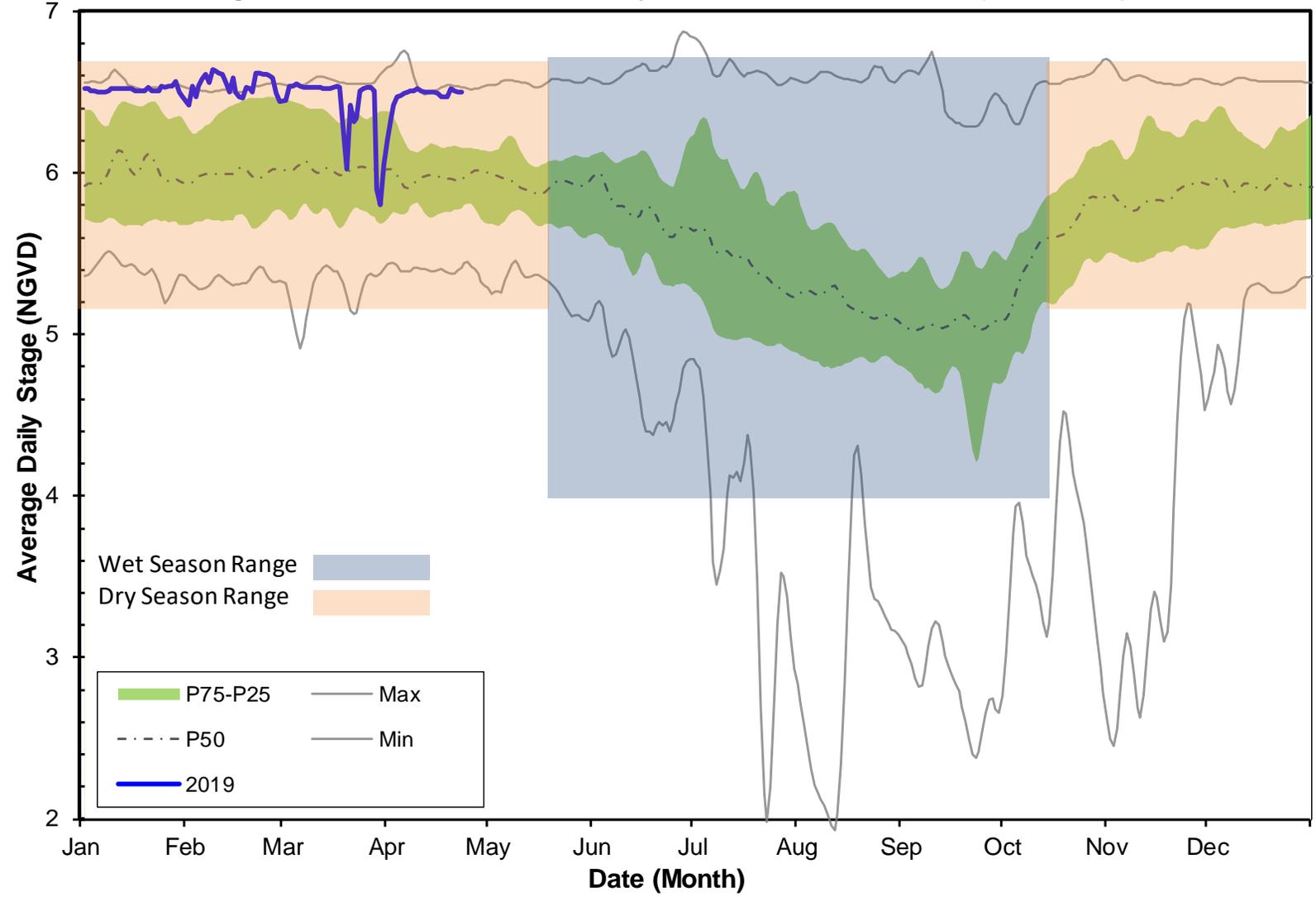


Figure 6A - COCO1 Historic Daily Headwater Percentiles (1994-2018)



BCB Canal Levels ~ Daily Average Track

COCO HATCHEE CANAL

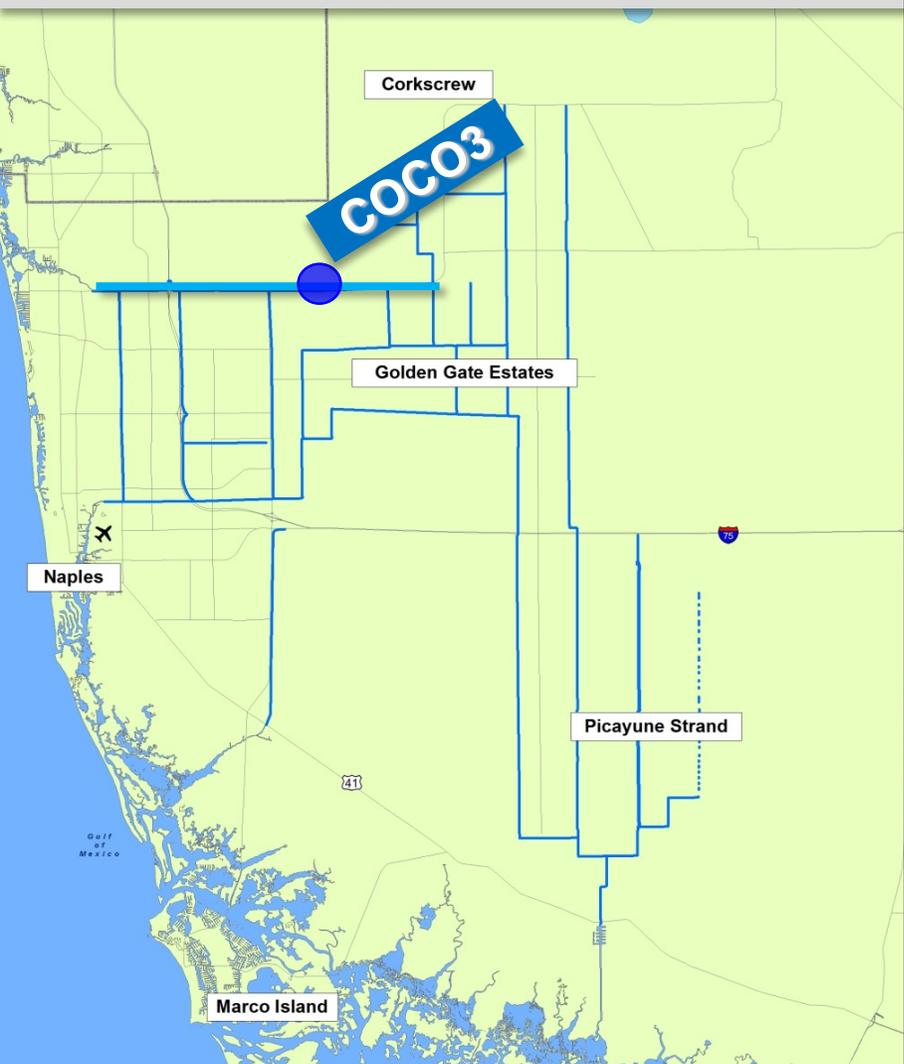
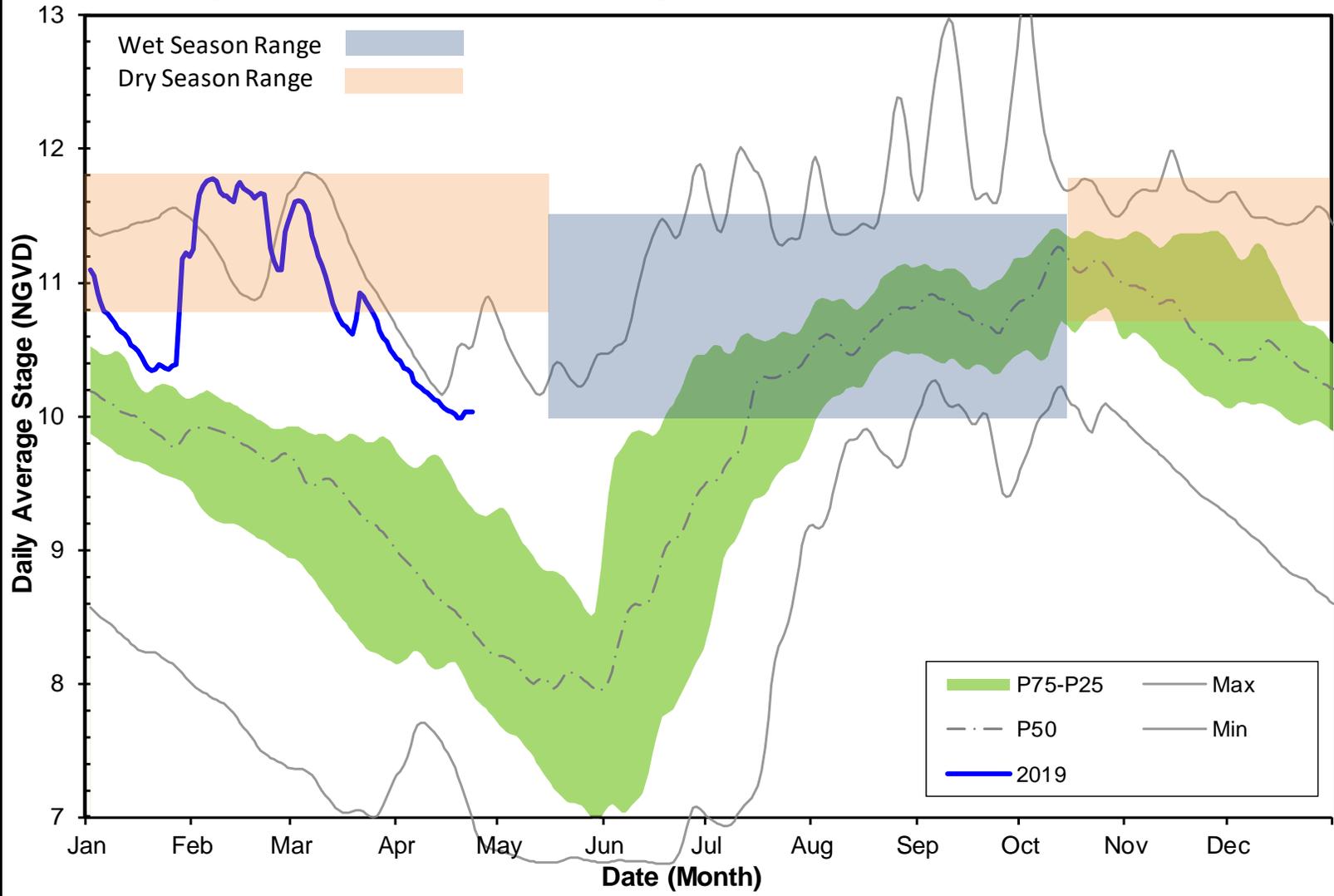


Figure 6B - COCO3 Historic Average Headwater Percentiles (2000-2018)



BCB Canal Levels ~ Daily Average Track

FAKA UNION CANAL

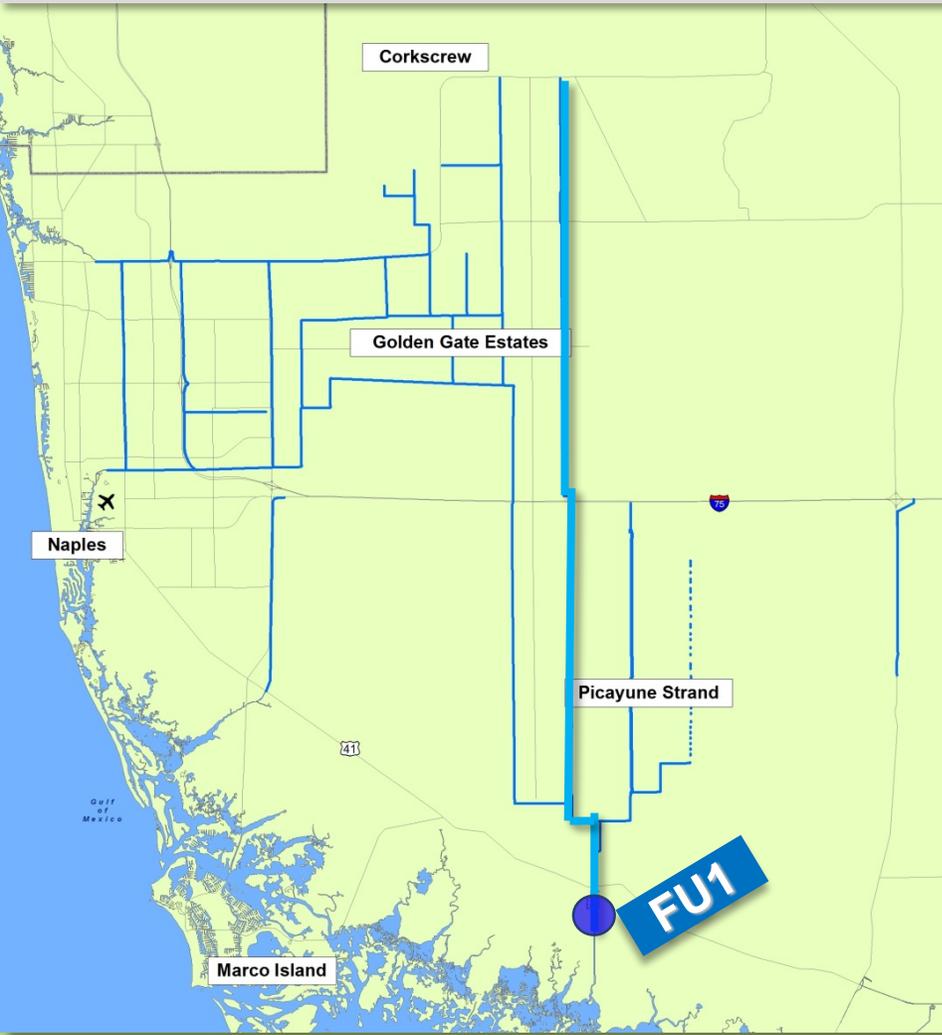
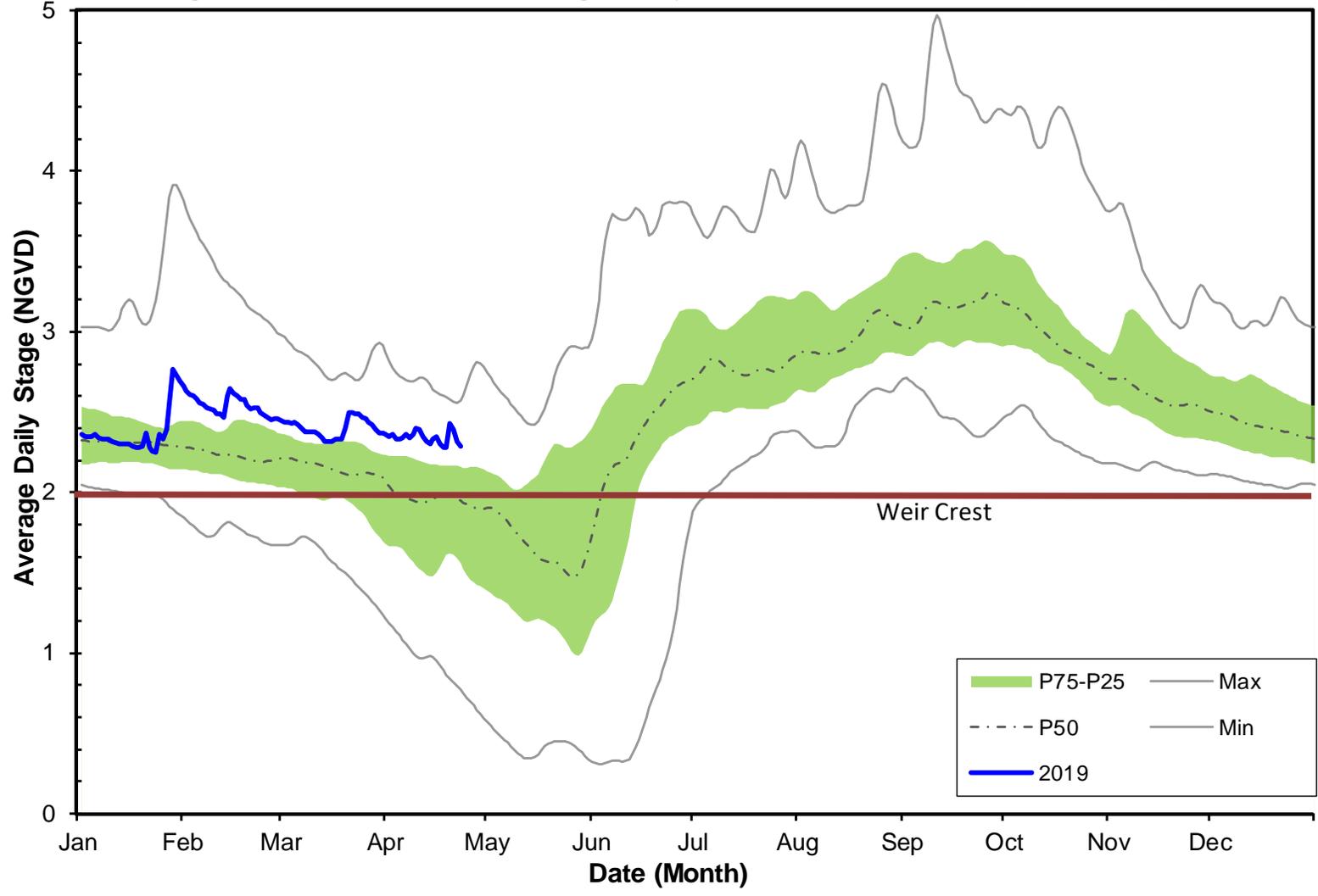


Figure 7A - FU1 Historic Average Daily Headwater Percentiles (1984-2018)



BCB Canal Levels ~ Daily Average Track

FAKA UNION CANAL

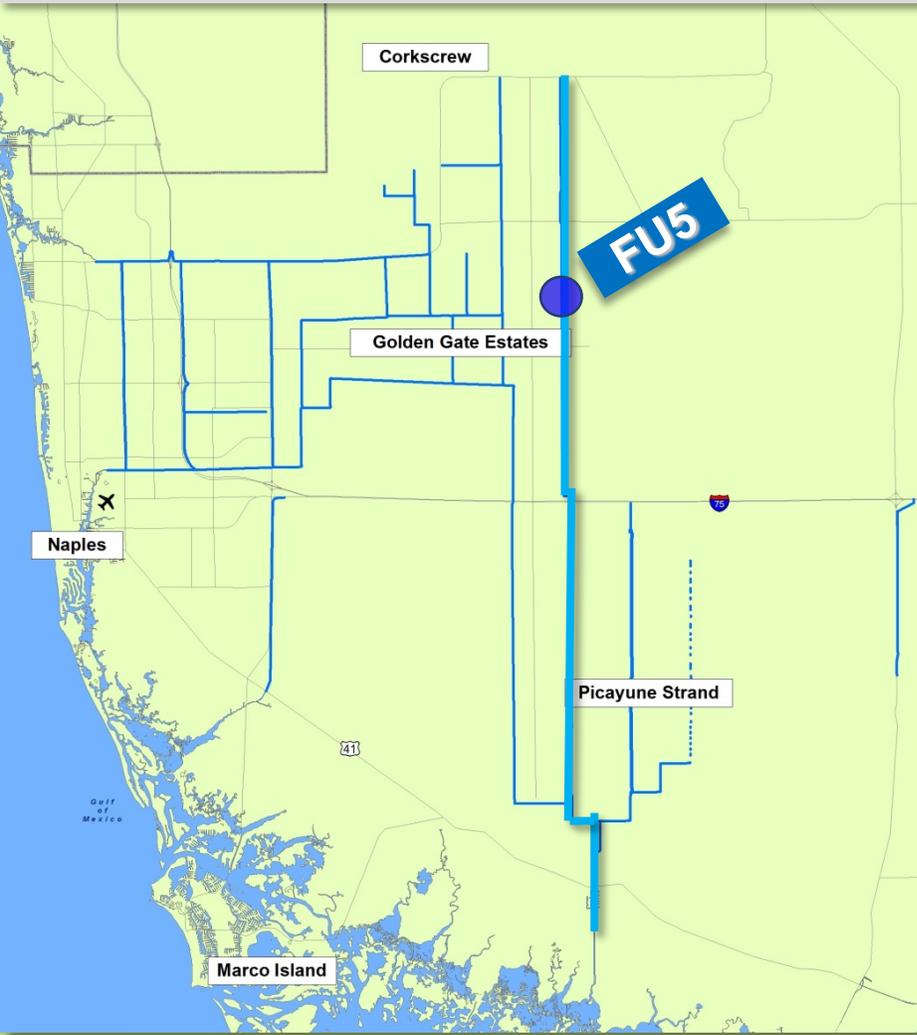
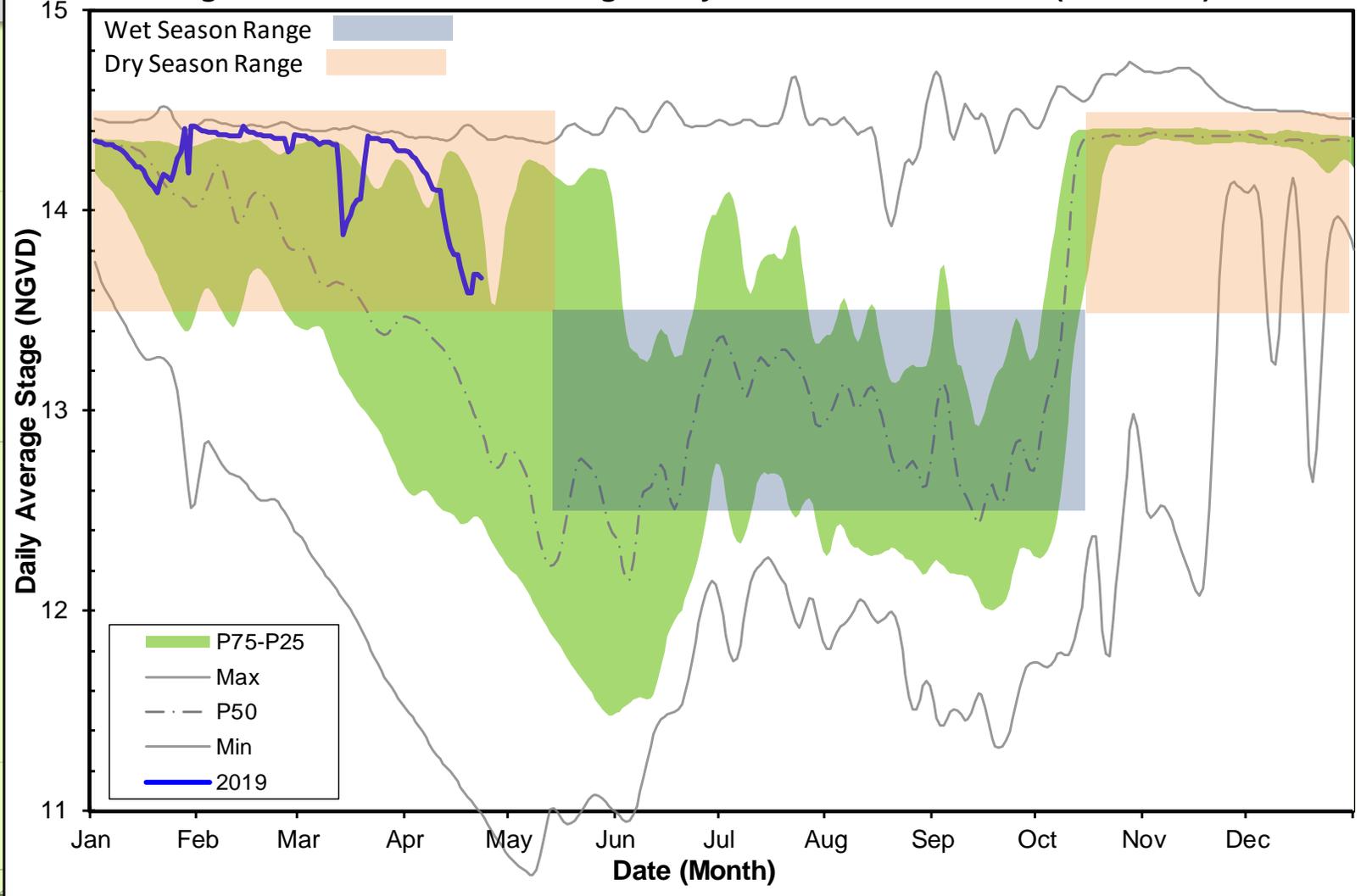


Figure 7B - FU5 Historic Average Daily Headwater Percentiles (2003-2018)



BCB Canal Levels ~ Daily Average Track

HENDERSON CREEK

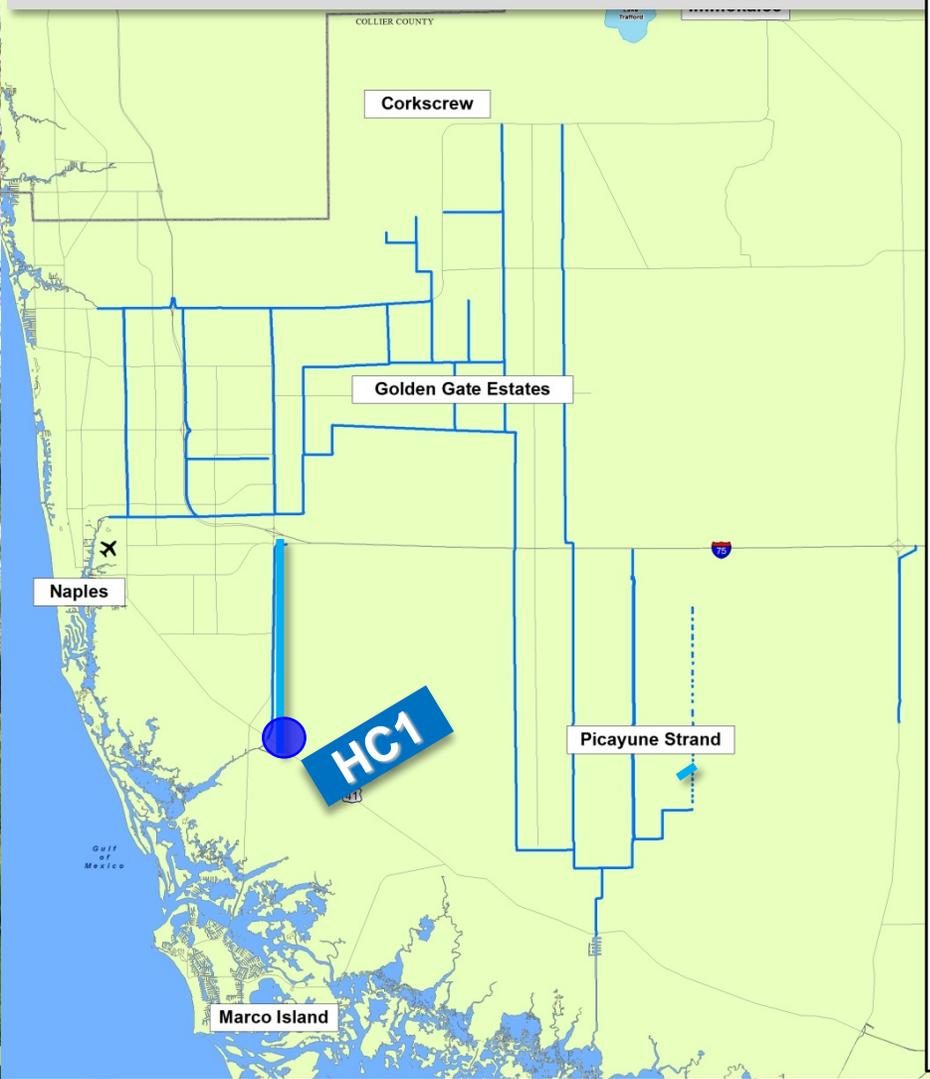
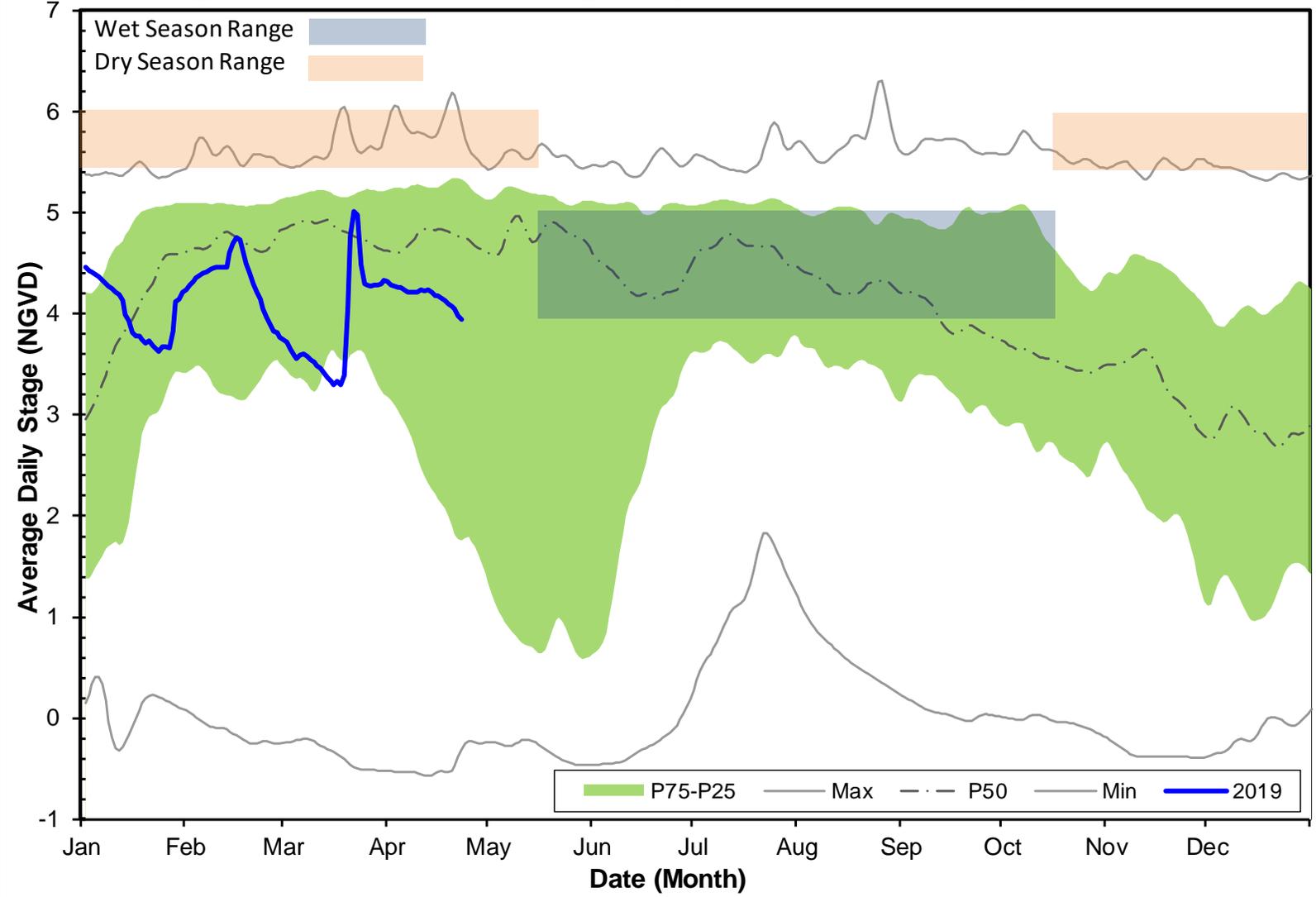


Figure 8A - HC1 Historic Average Daily Headwater Percentiles (1997-2018)



BCB Canal Levels ~ Daily Average Track

HENDERSON CREEK

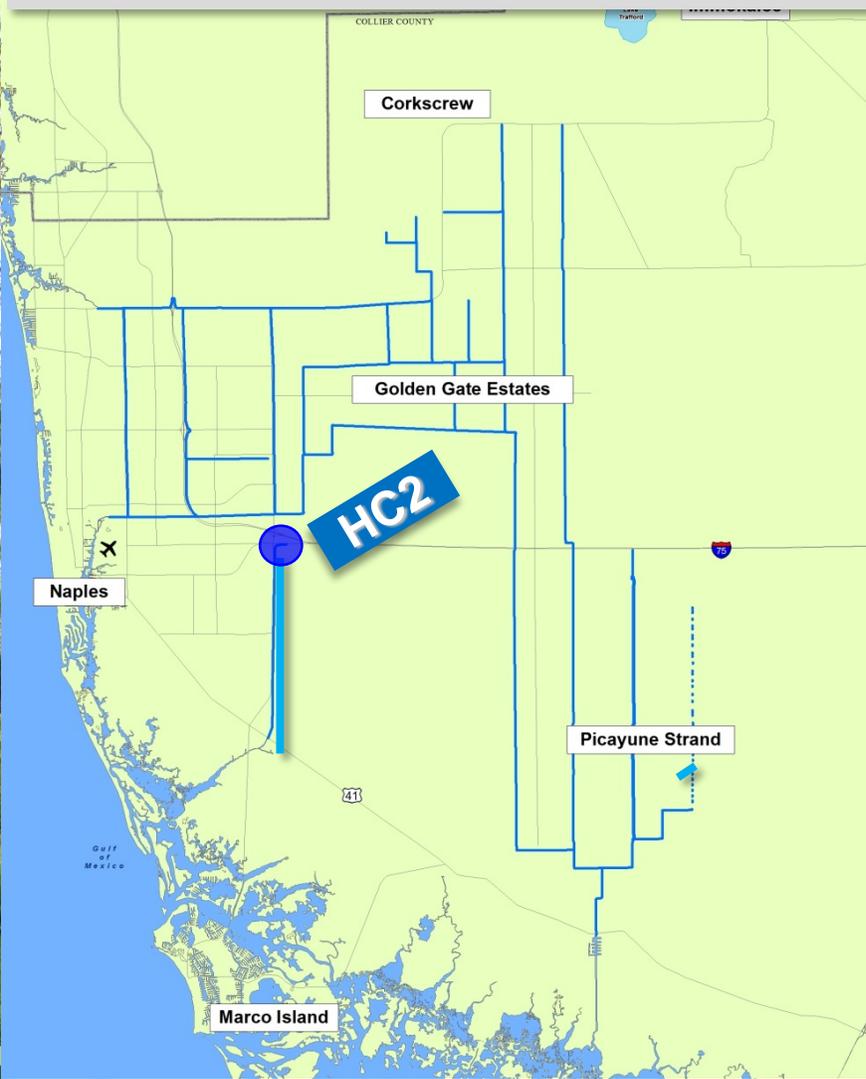
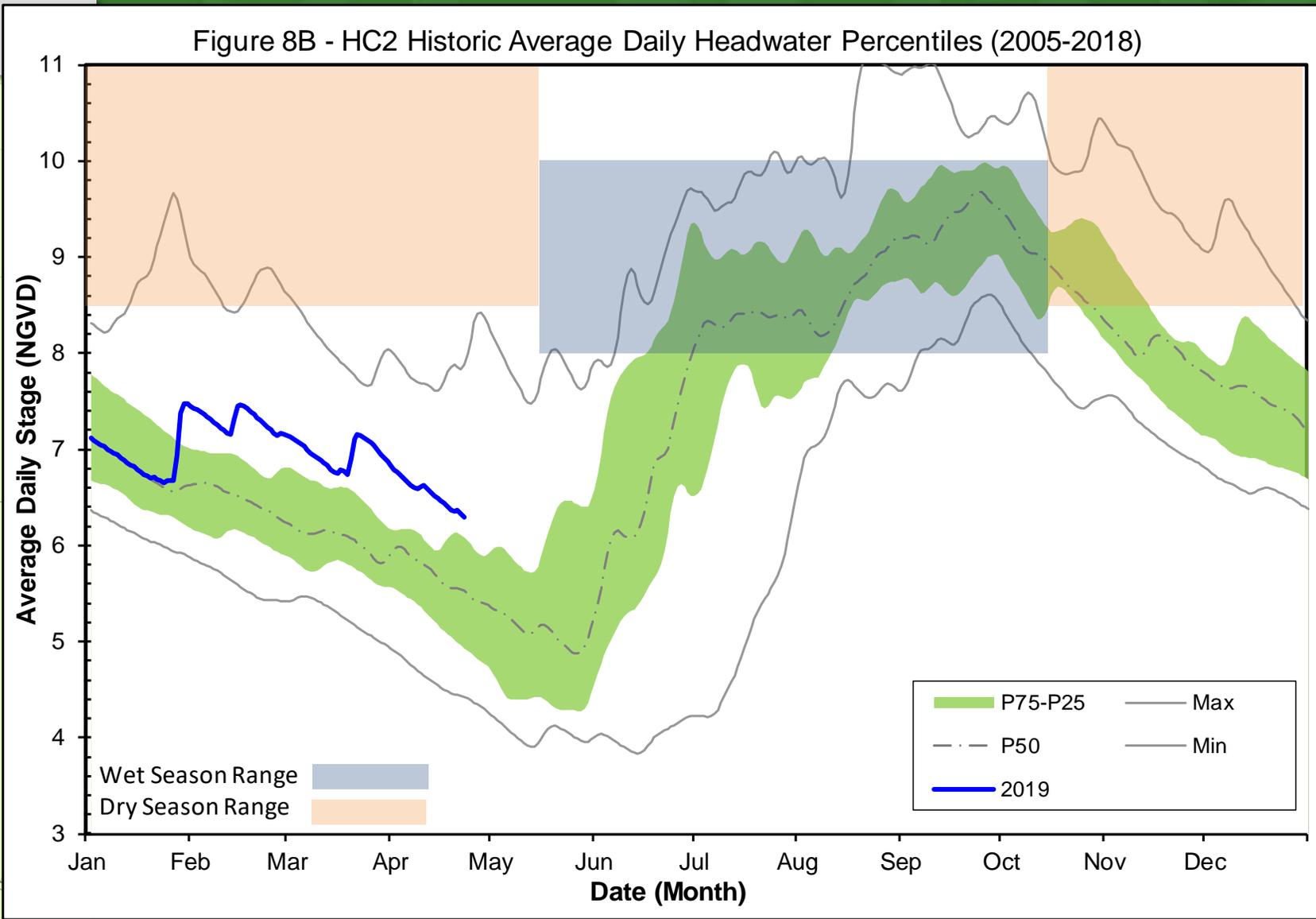
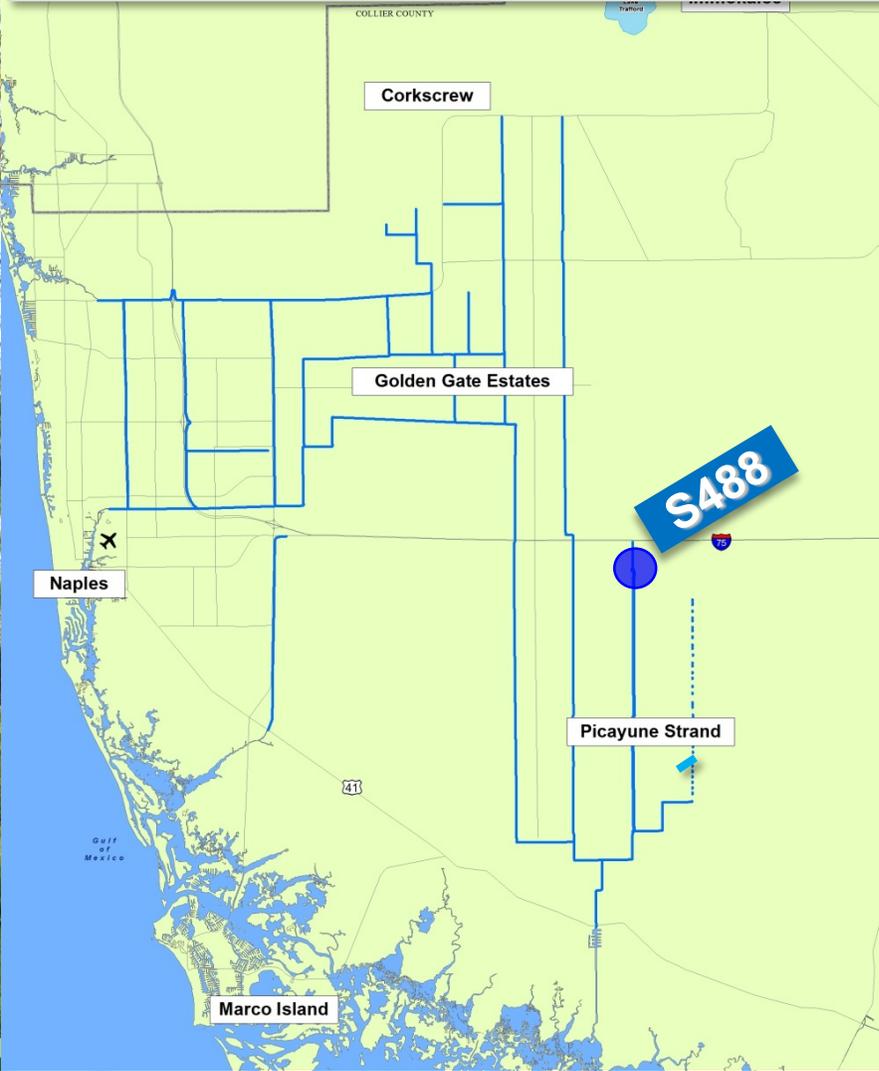


Figure 8B - HC2 Historic Average Daily Headwater Percentiles (2005-2018)

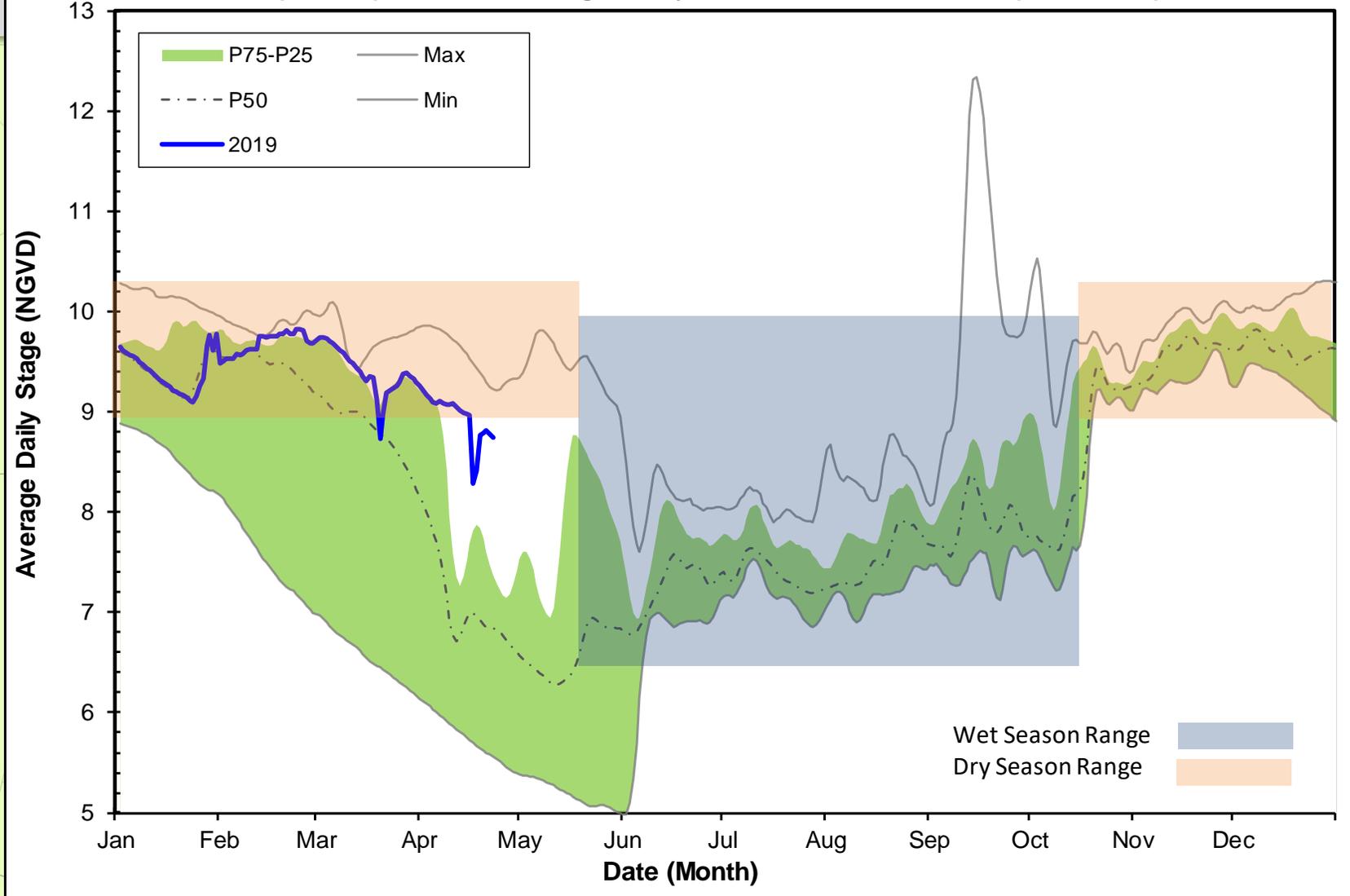


CERP PSRP Operations ~ Daily Average Flow/Stage

MERRITT PUMP STATION

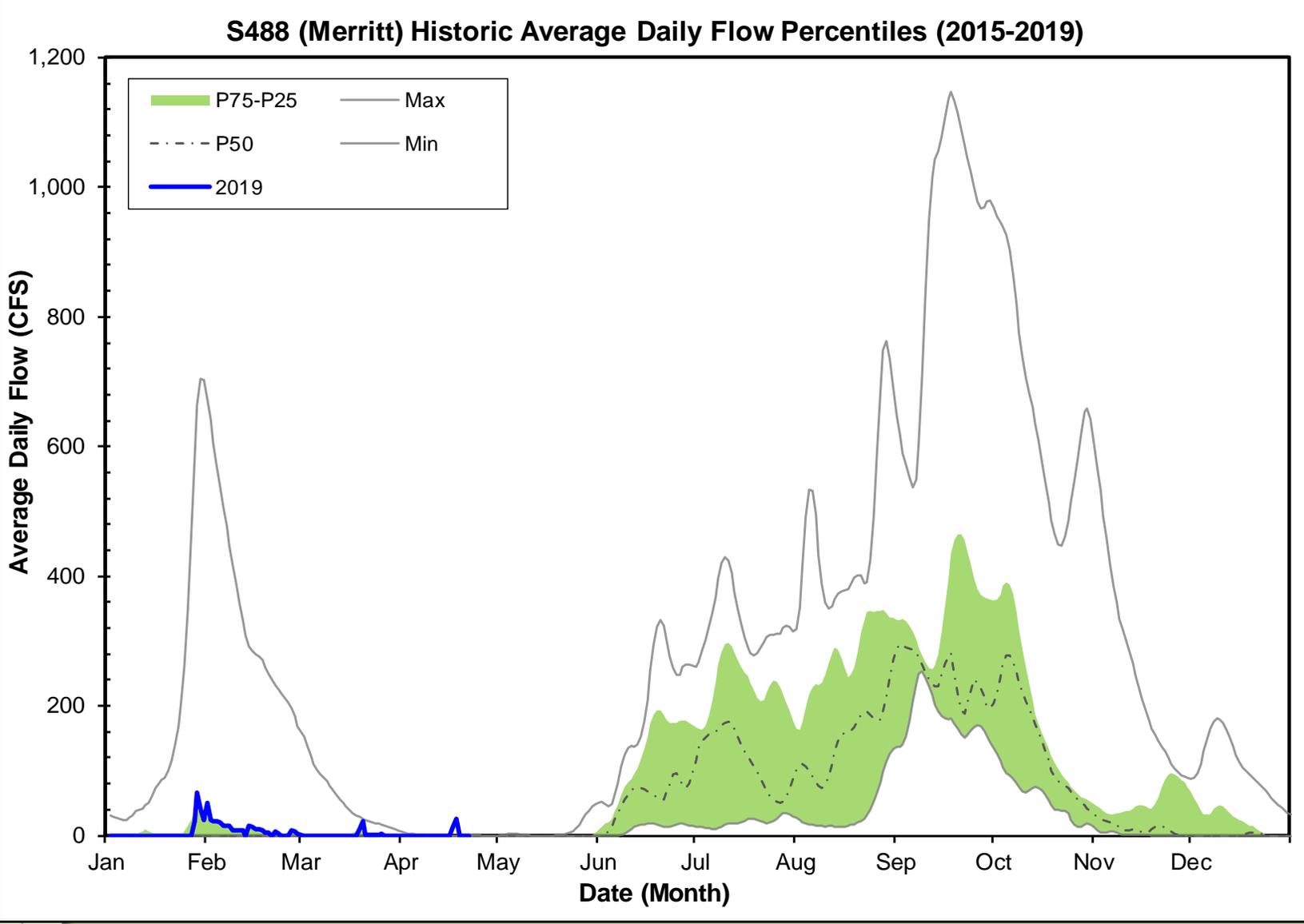
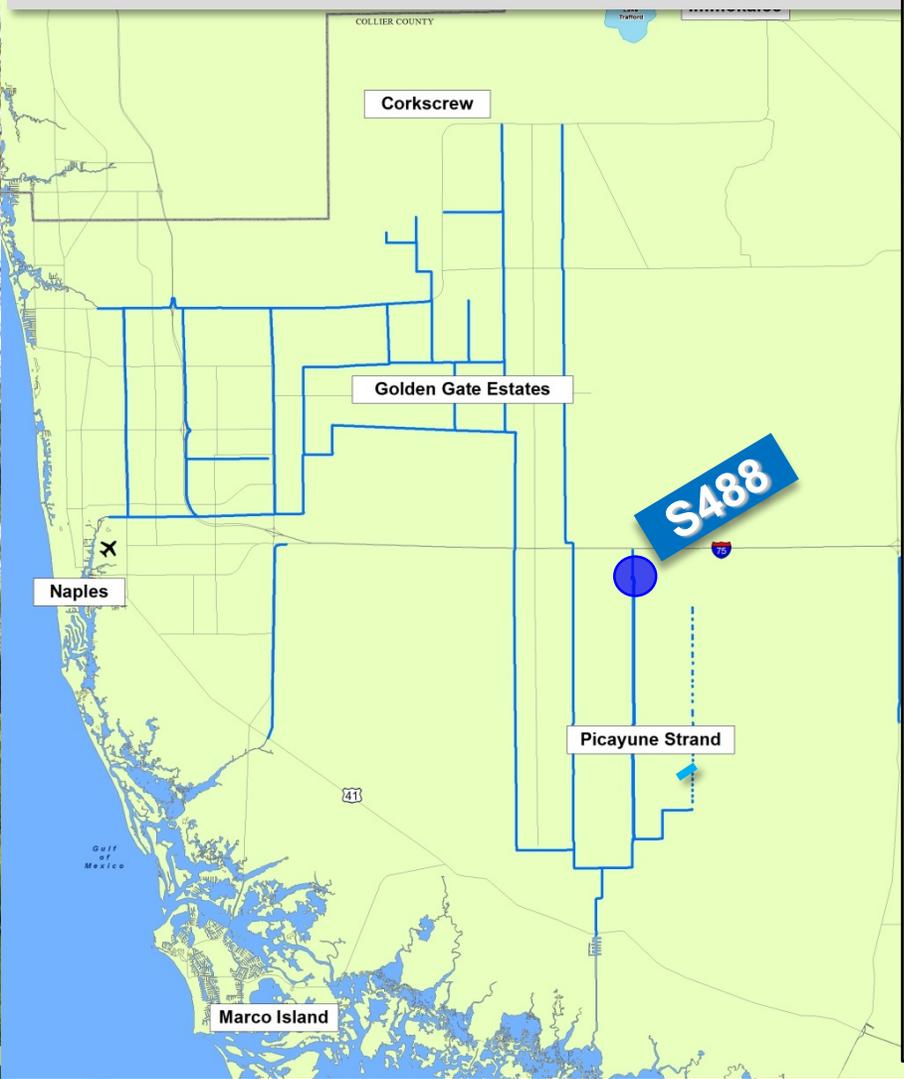


S488 (Merritt) Historic Average Daily Headwater Percentiles (2015-2019)

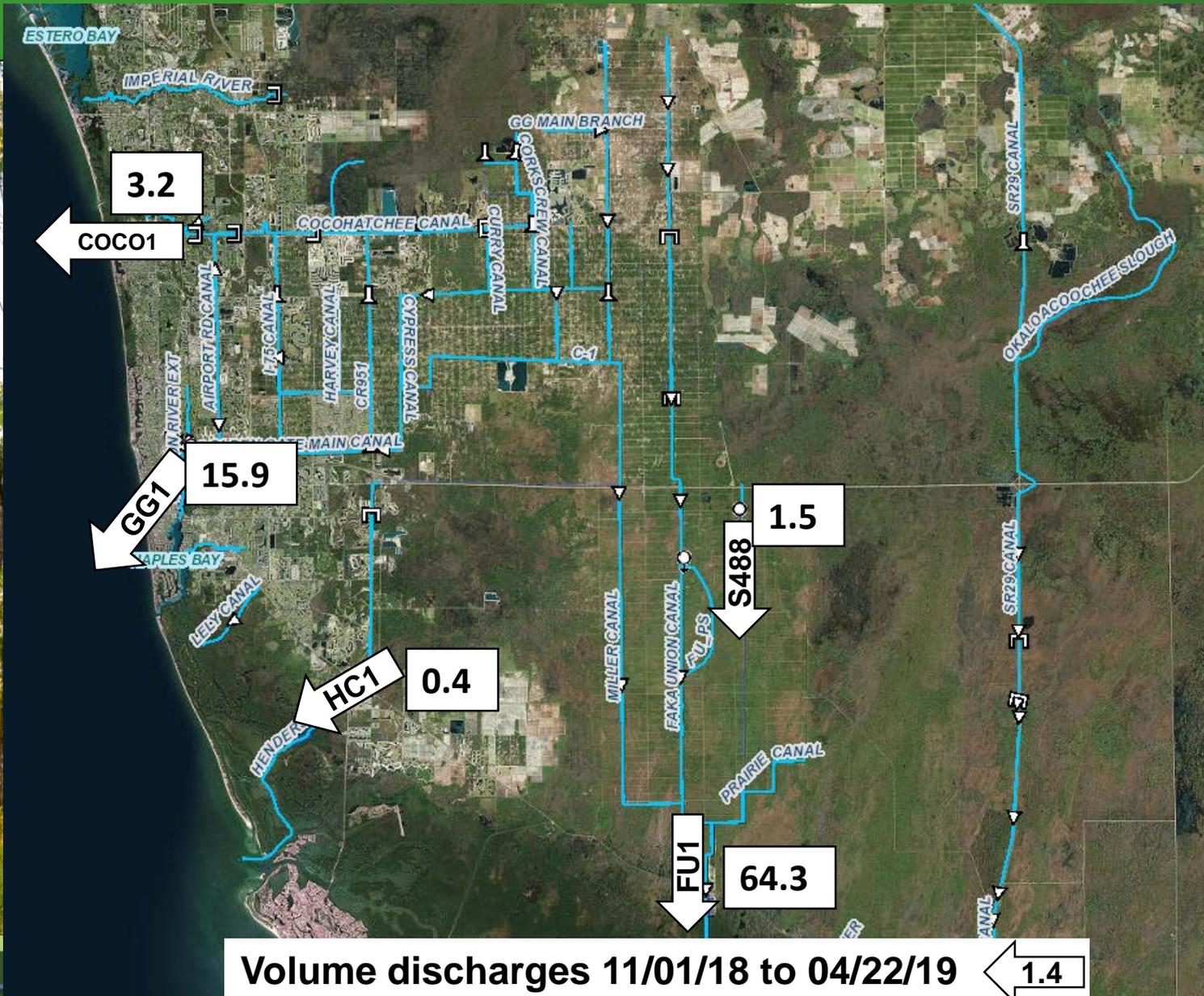


CERP PSRP Operations ~ Daily Average Flow/Stage

MERRITT PUMP STATION



BCB Dry Season - Outflow Volumes



BCB – Dry Season - Release Volumes
Nov 1, 2018 to April 22, 2019
 (volumes in 1,000 acre-feet)

Volume discharges 11/01/18 to 04/22/19

BCB Water Conditions Report



QUESTIONS ?