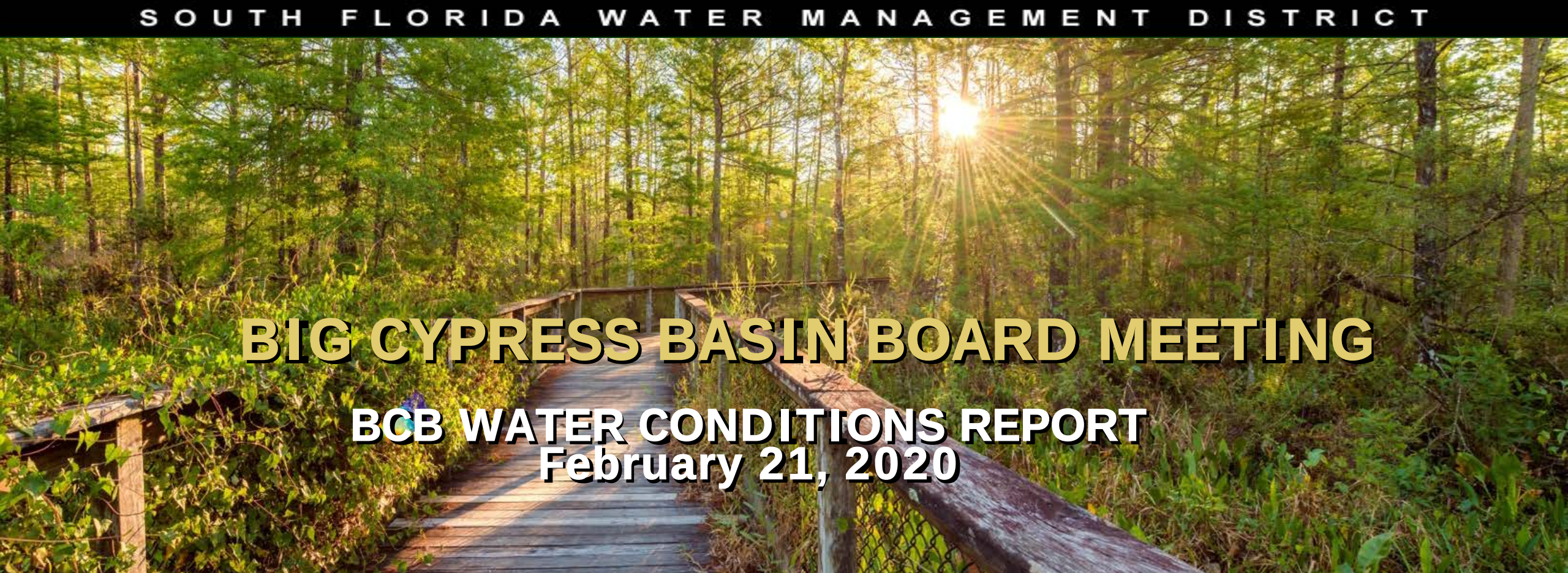




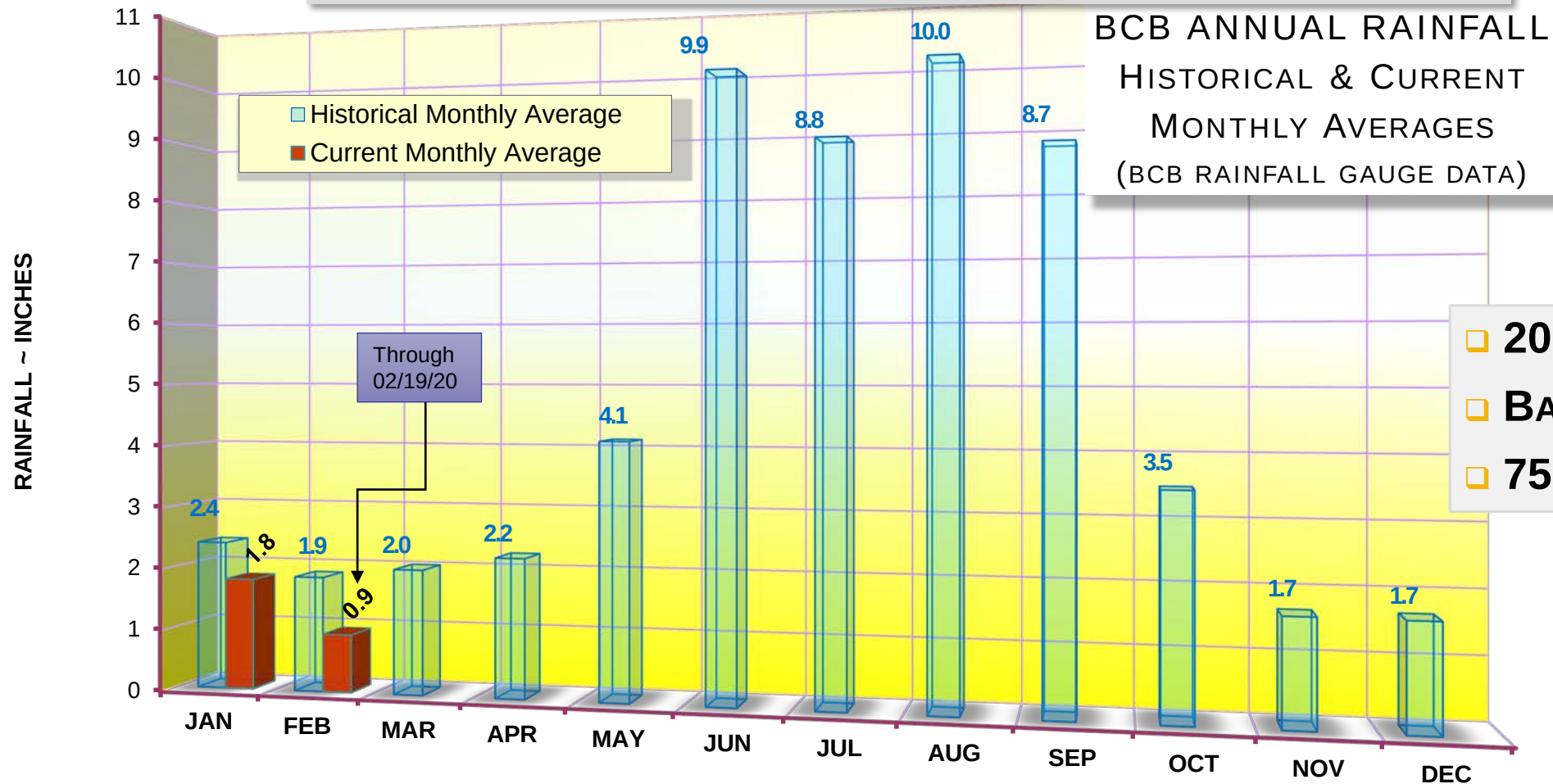
BIG CYPRESS BASIN BOARD MEETING

BCB WATER CONDITIONS REPORT
February 21, 2020

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

Hydrologic Conditions ~ BCB Gauge Rainfall

2020 MONTHLY SUMMARY



- 2020 YTD TOTAL = 2.73 IN
- BASIN AVG TOTAL = 3.62 IN
- 75% OF NORMAL YTD

NOTE: COVERAGE FOR LOCALITIES
WITHIN BCB GAUGE NETWORK ONLY

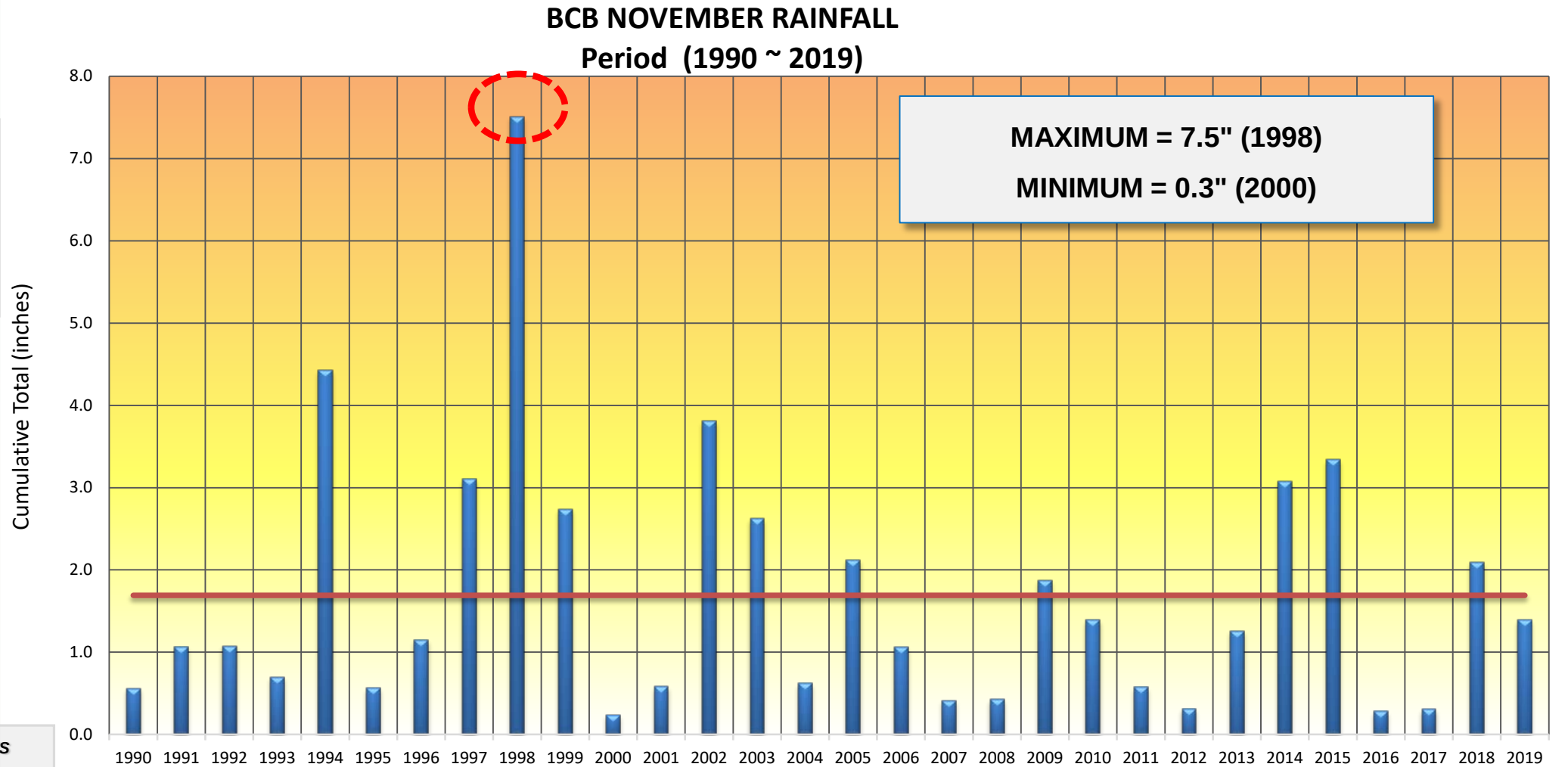
BCB November Rainfall ~ Historical



- 2019: 1.5"
- High: 7.5" (1998)
- Low: 0.3" (2000)
- Avg: 1.7"



NOTE: COVERAGE FOR LOCALITIES
WITHIN BCB GAUGE NETWORK ONLY



BCB December Rainfall ~ Historical



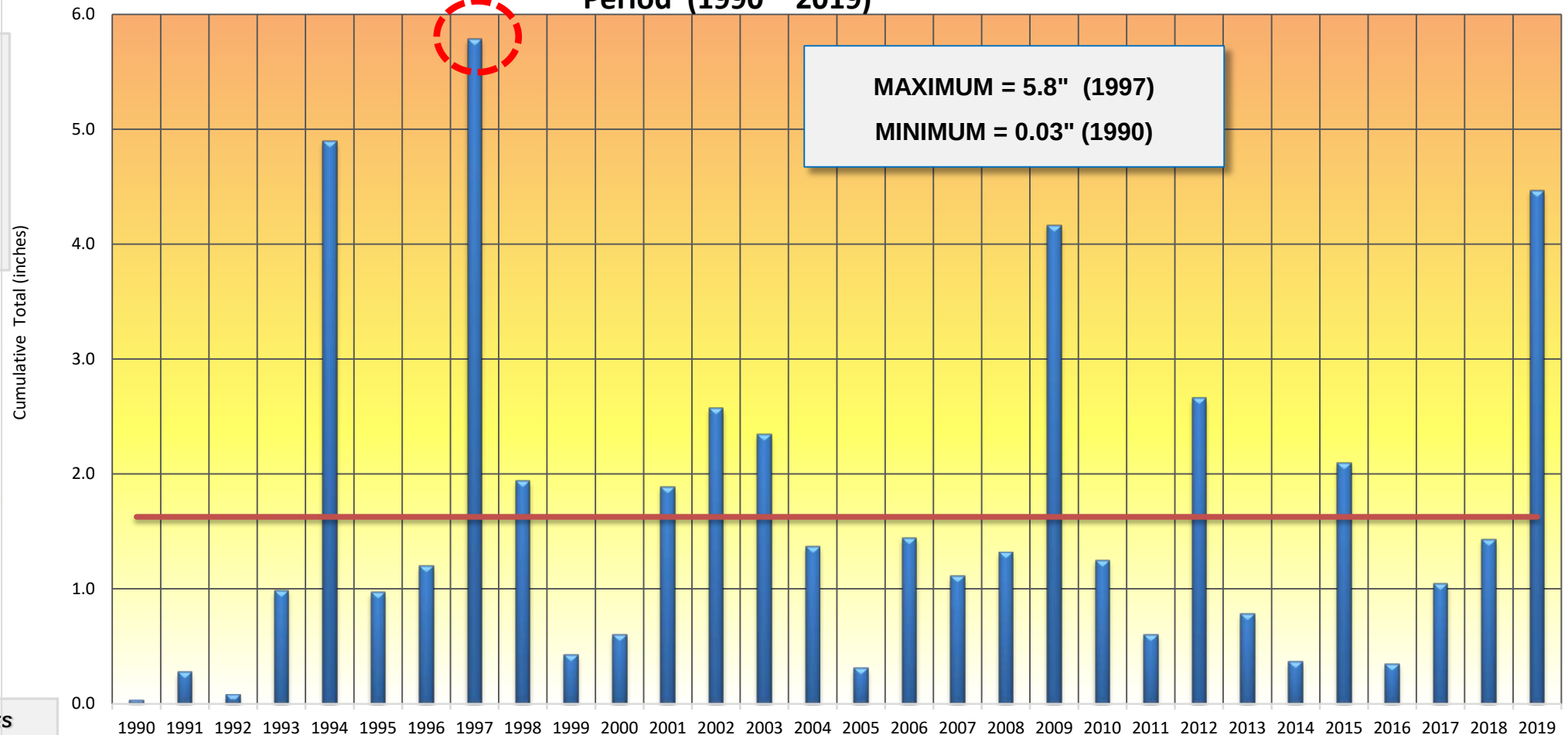
■ 2019: 4.5"

■ 3RD WETTEST DEC

■ Avg: 1.7"

NOTE: COVERAGE FOR LOCALITIES
WITHIN BCB GAUGE NETWORK ONLY

BCB DECEMBER RAINFALL
Period (1990 ~ 2019)



BCB Annual Rainfall ~ Historical



2019: 56.0"

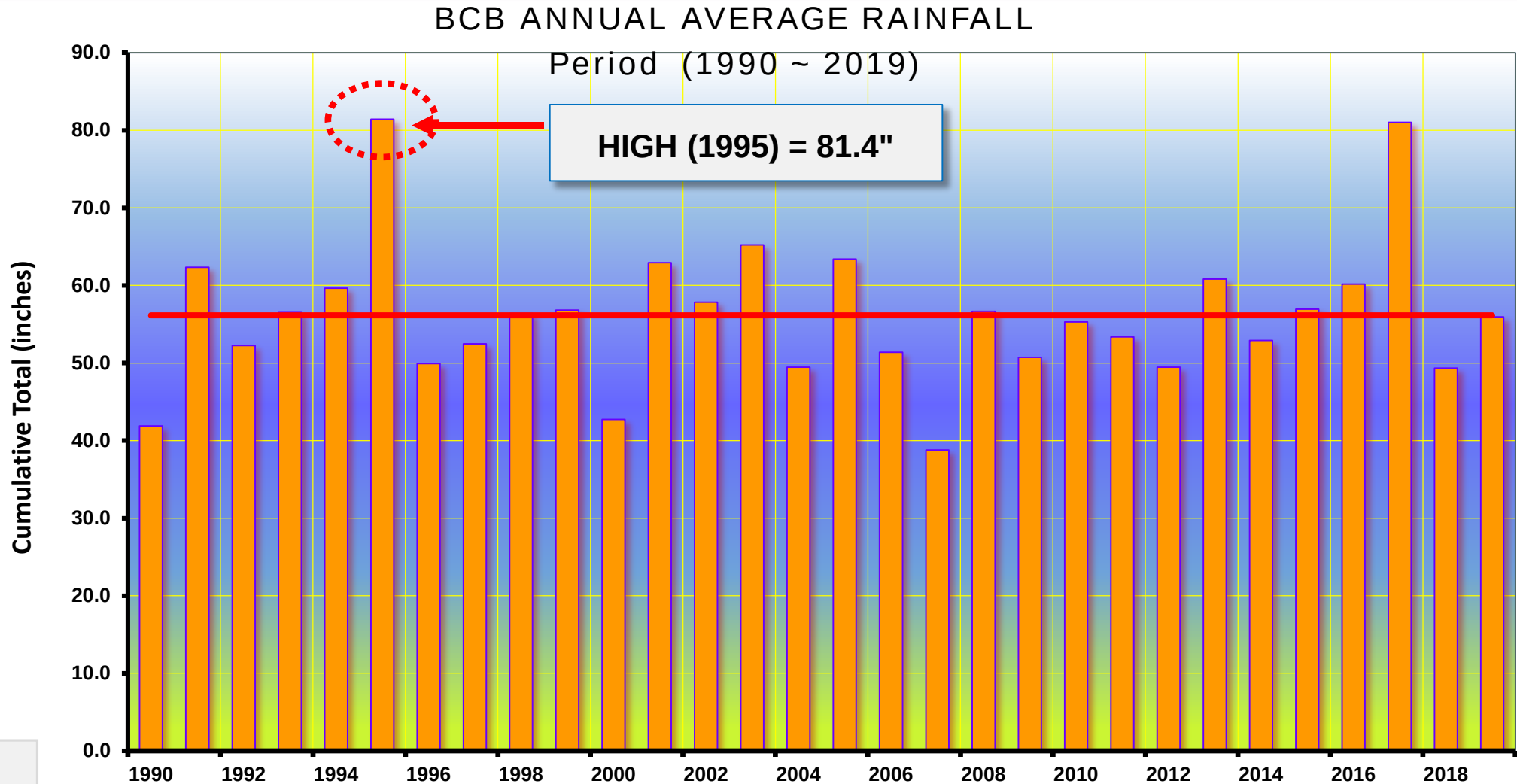
HIGH: 81.4" (1995)

LOW: 38.8" (2007)

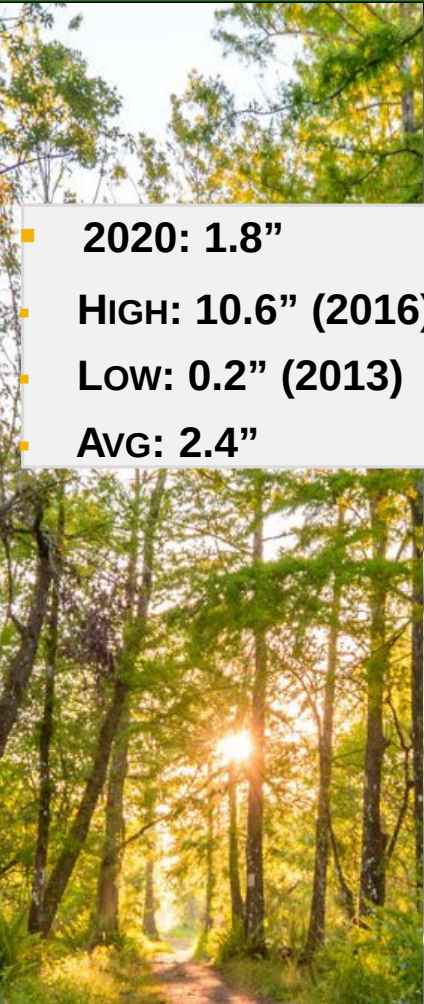
AVG: 56.1"



NOTE: COVERAGE FOR LOCALITIES
WITHIN BCB GAUGE NETWORK ONLY



BCB January Rainfall ~ Historical

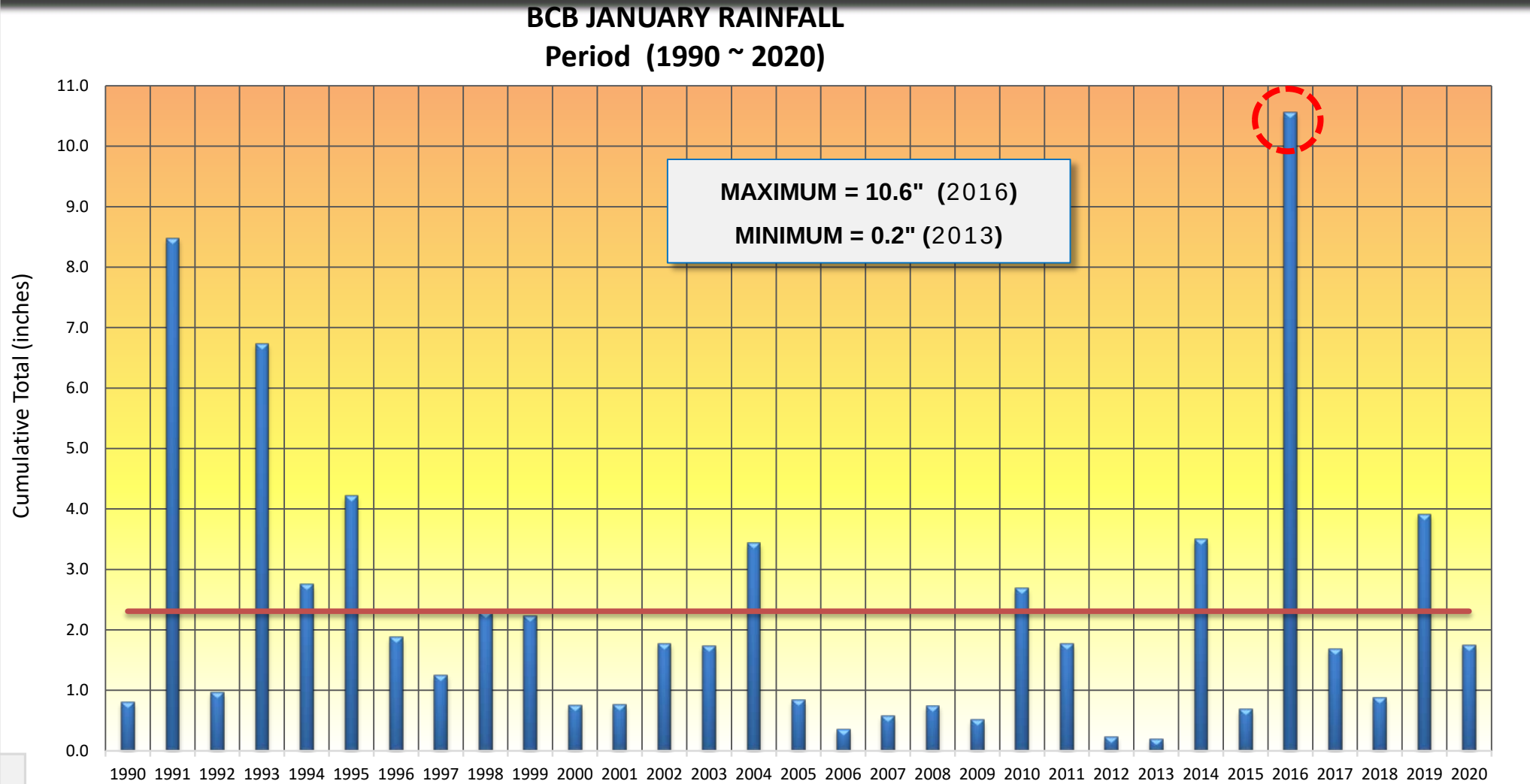


2020: 1.8"

High: 10.6" (2016)

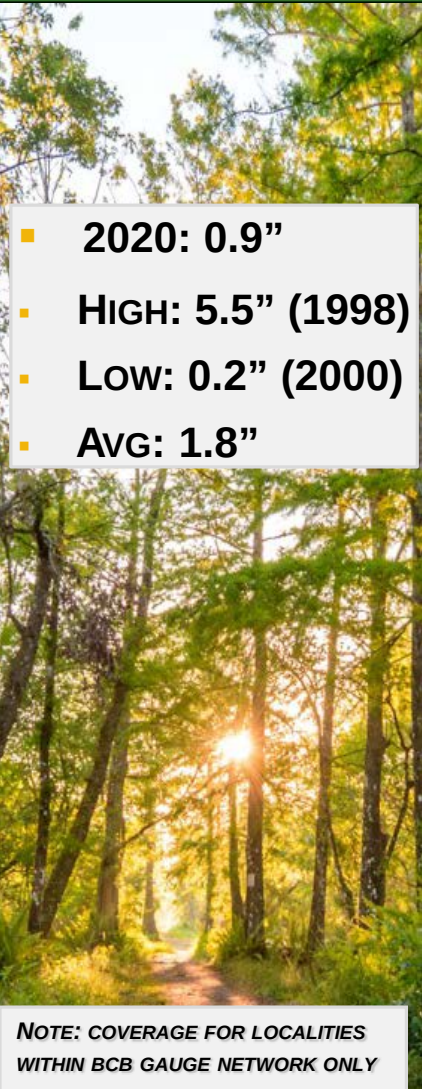
Low: 0.2" (2013)

Avg: 2.4"

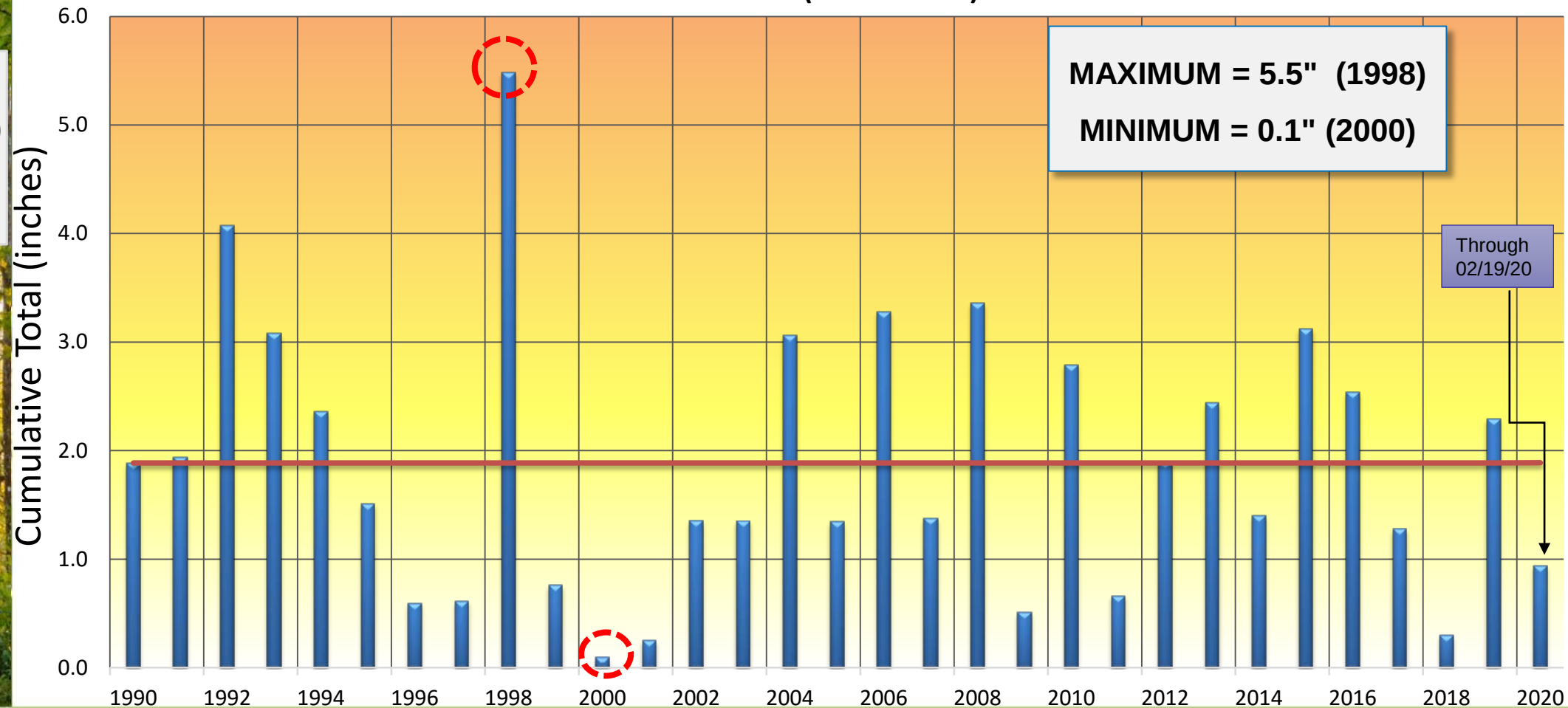


NOTE: COVERAGE FOR LOCALITIES
WITHIN BCB GAUGE NETWORK ONLY

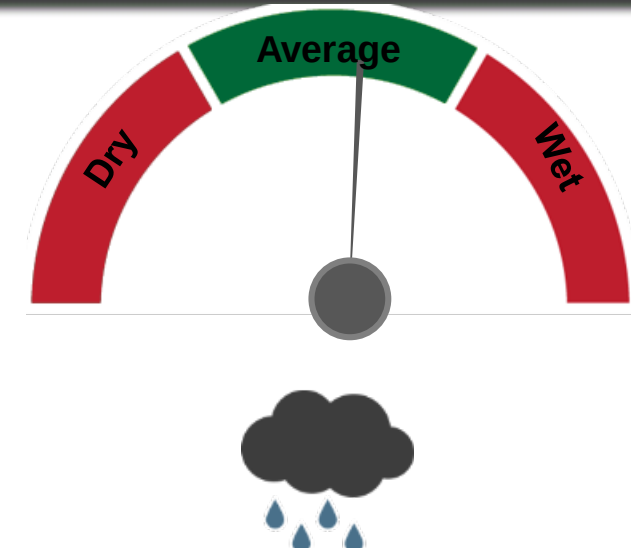
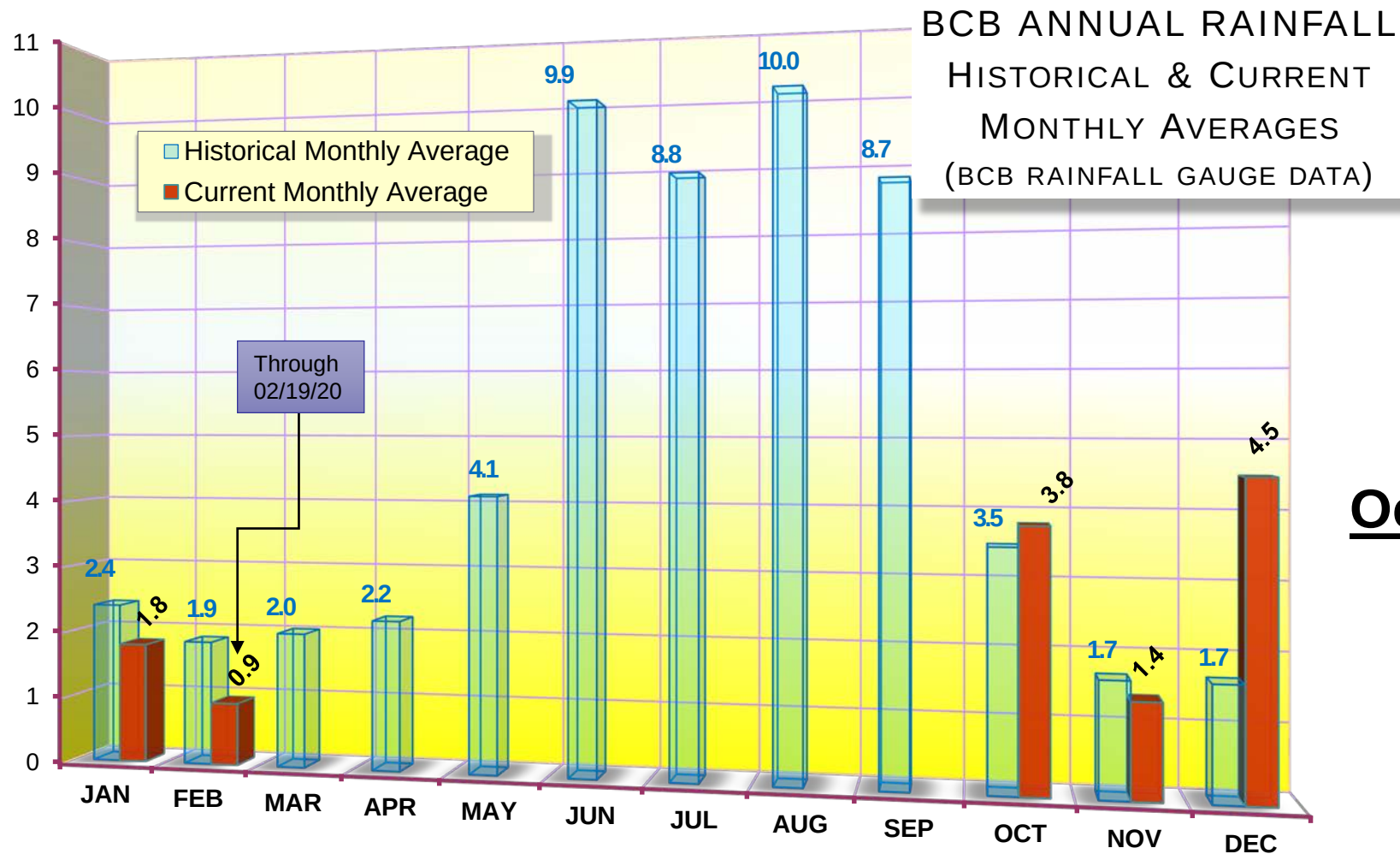
BCB February Rainfall ~ Historical



BCB FEBRUARY RAINFALL
Period (1990 ~ 2020)



BCB Dry Season Summary



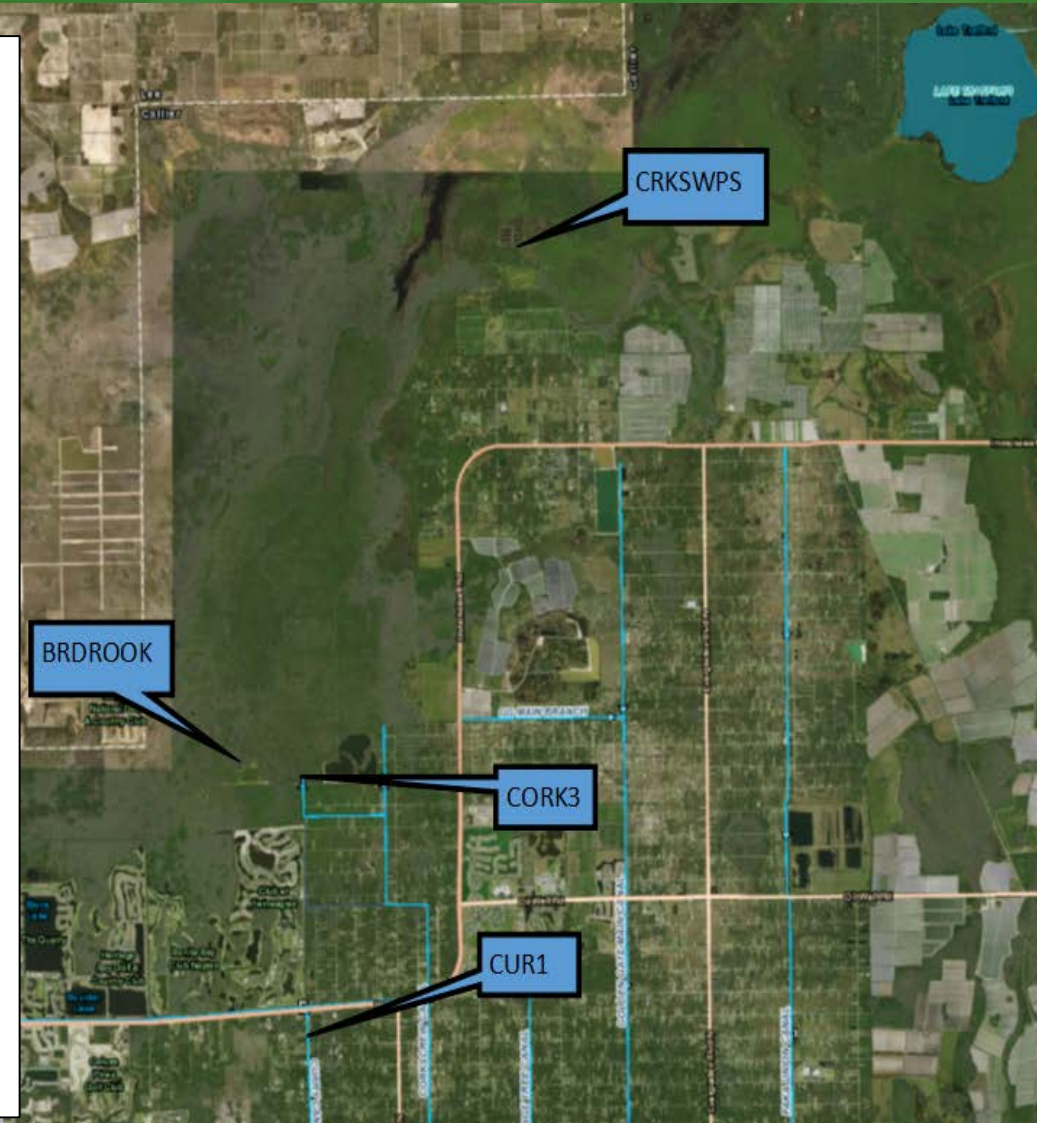
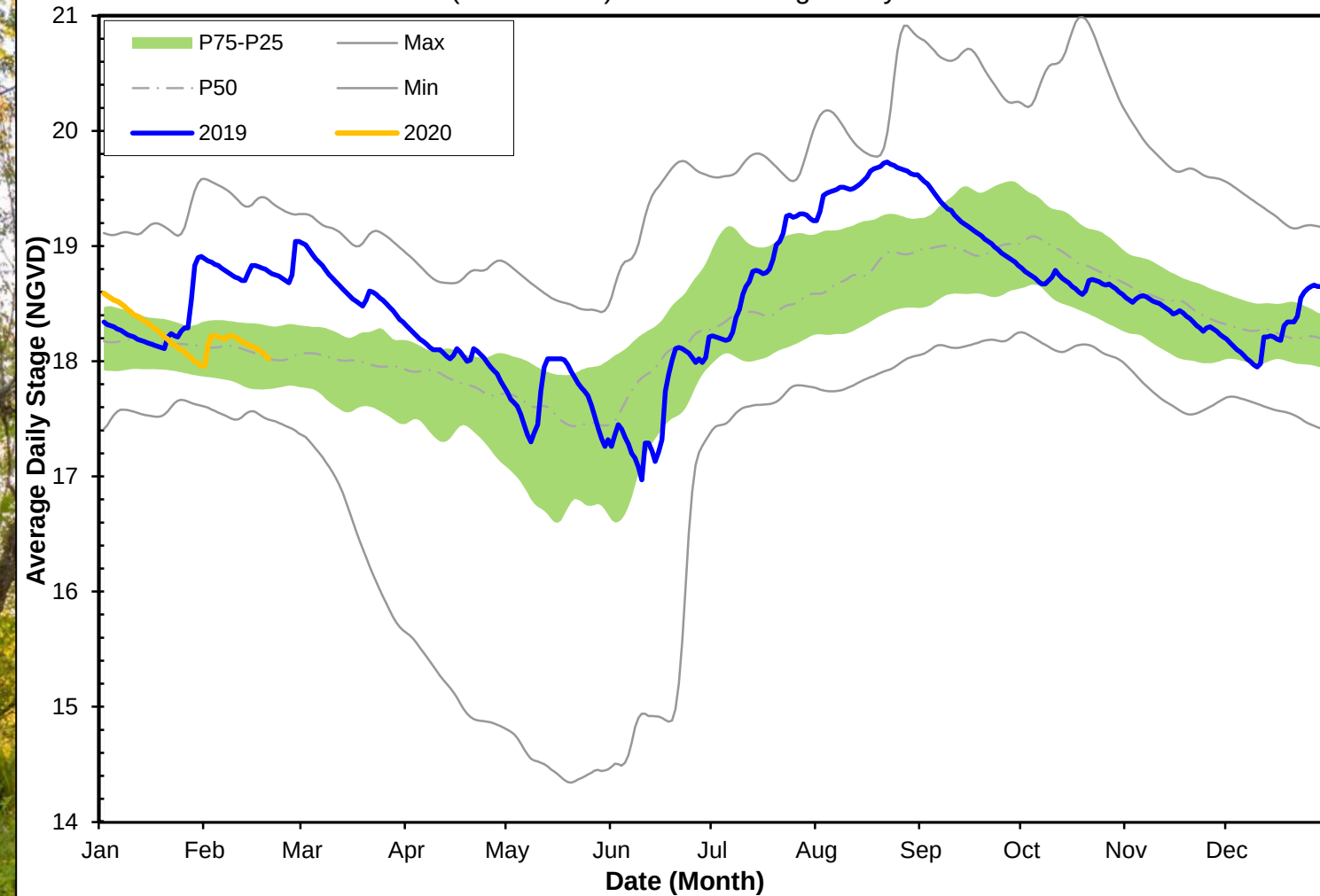
Dry Season Rainfall
Oct 1, 2019 – Feb. 19, 2020

BCB Total Rainfall: 12.4"

- 109% of average
- 1.2" surplus

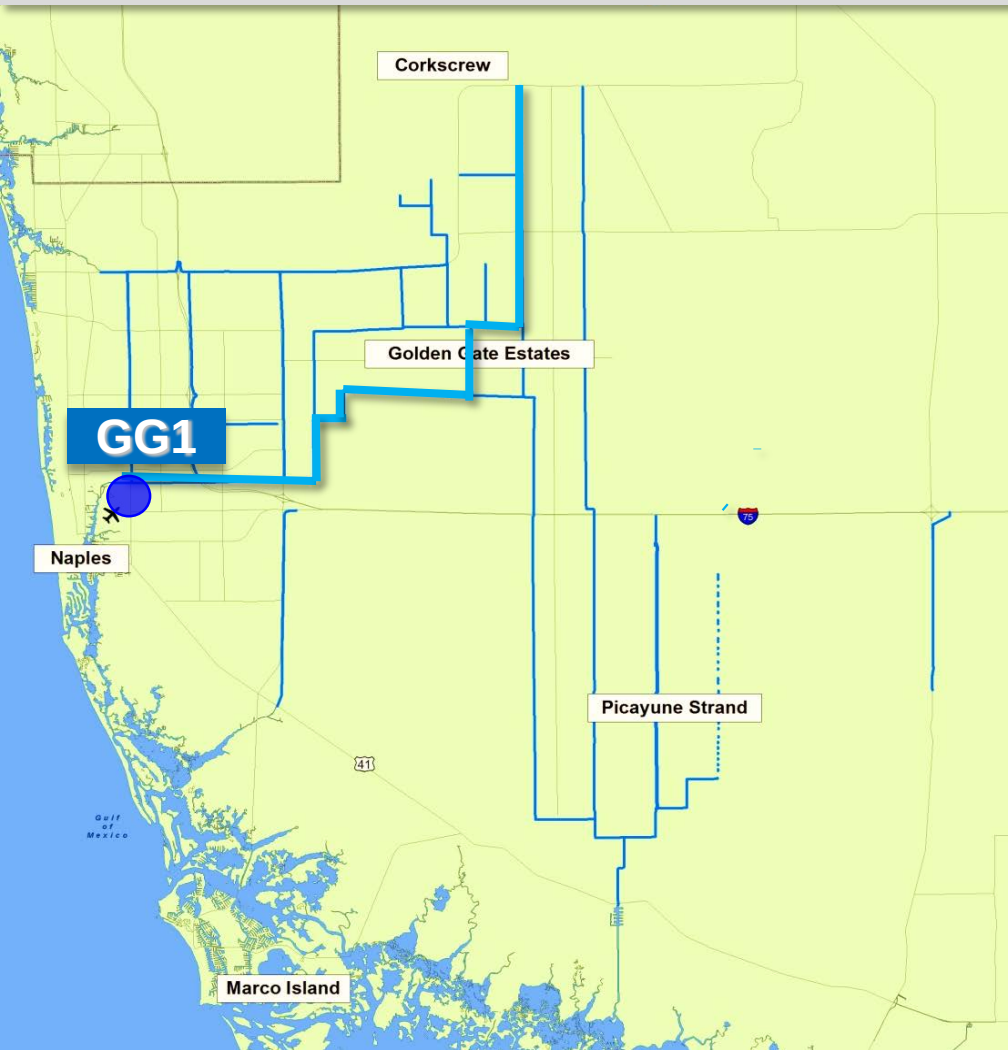
Corkscrew Average Daily Track

Corkscrew (CRKSWPS) Historic Average Daily Headwater Percentiles

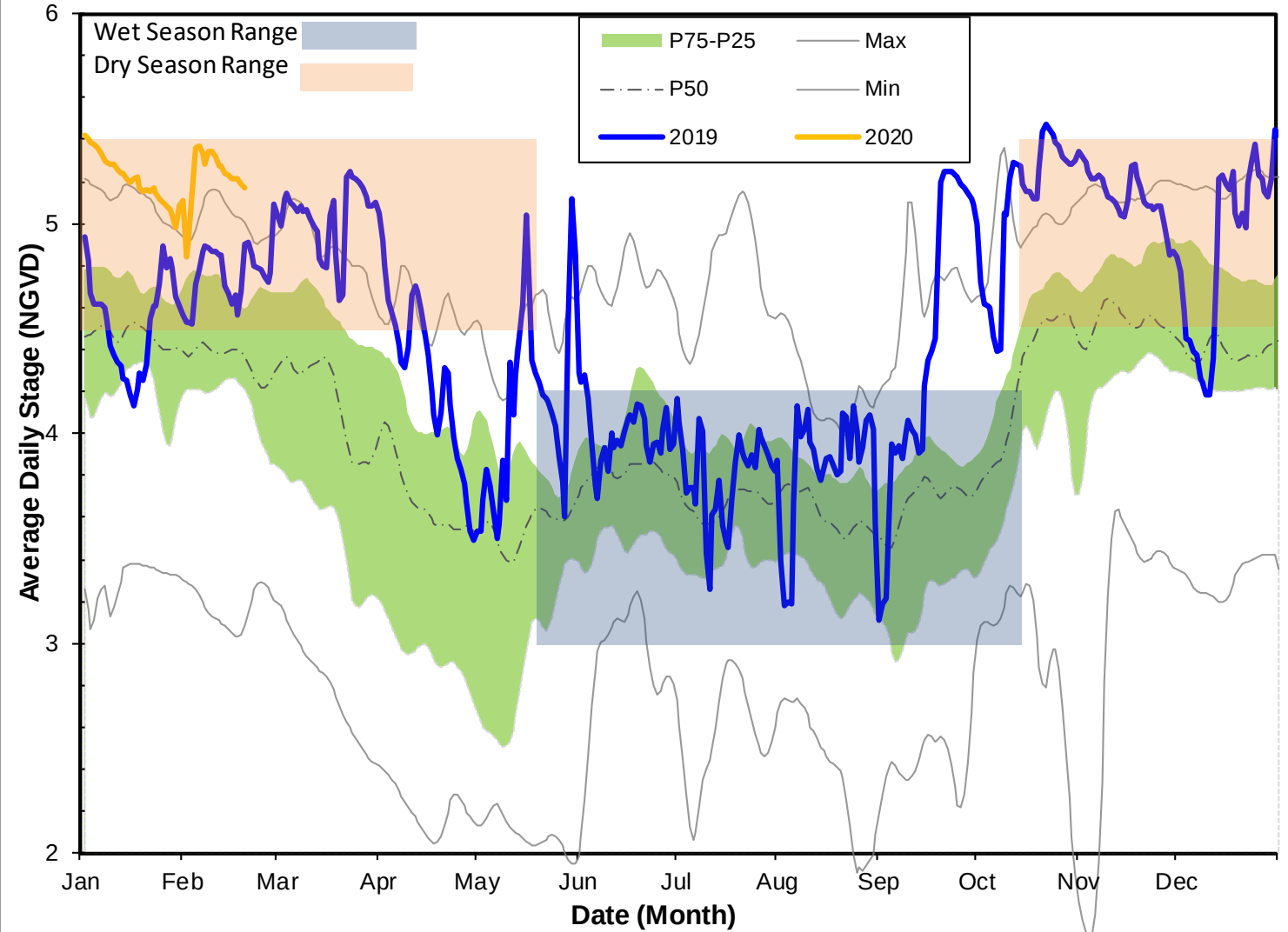


BCB Canal Levels ~ Daily Average Track

GOLDEN GATE MAIN

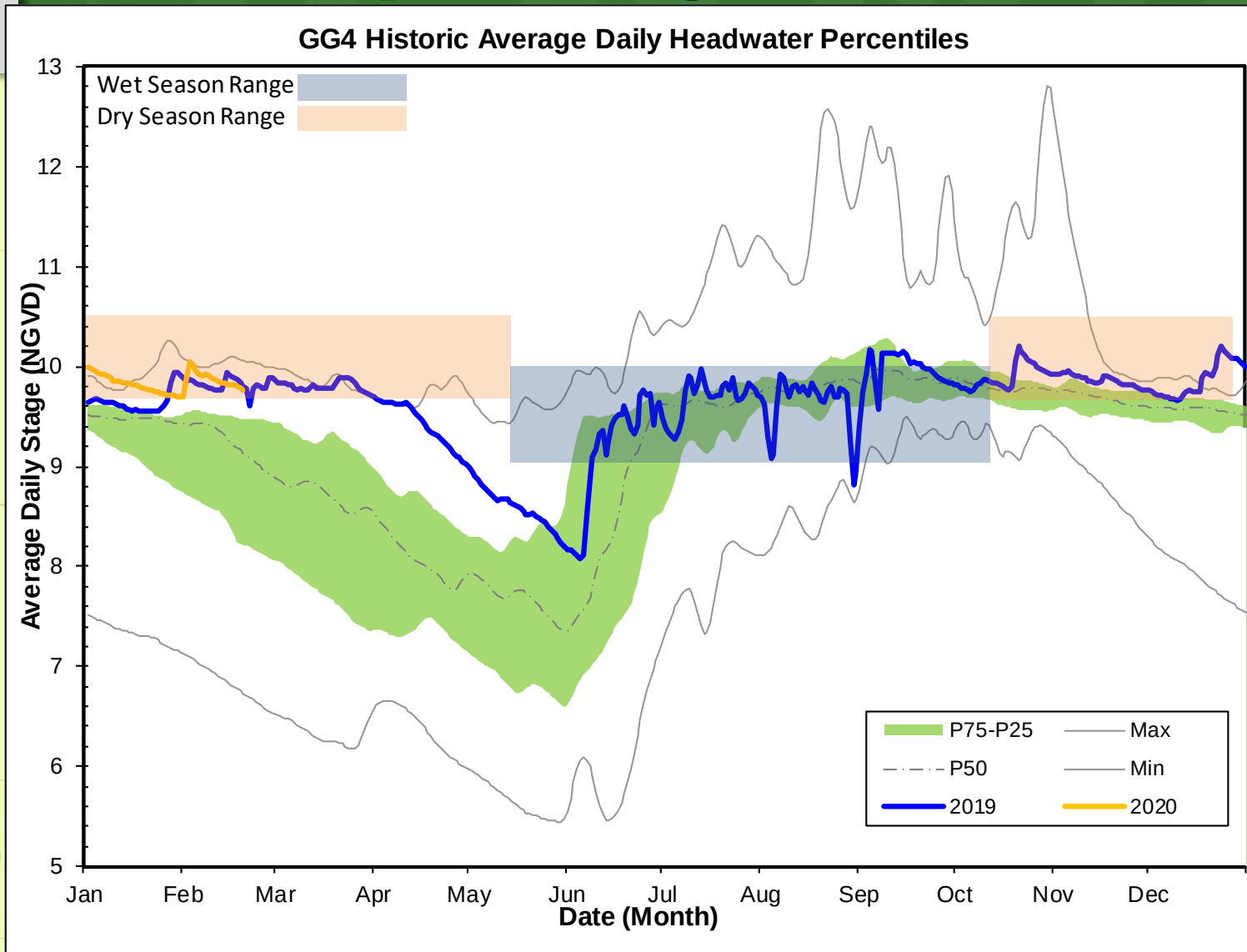
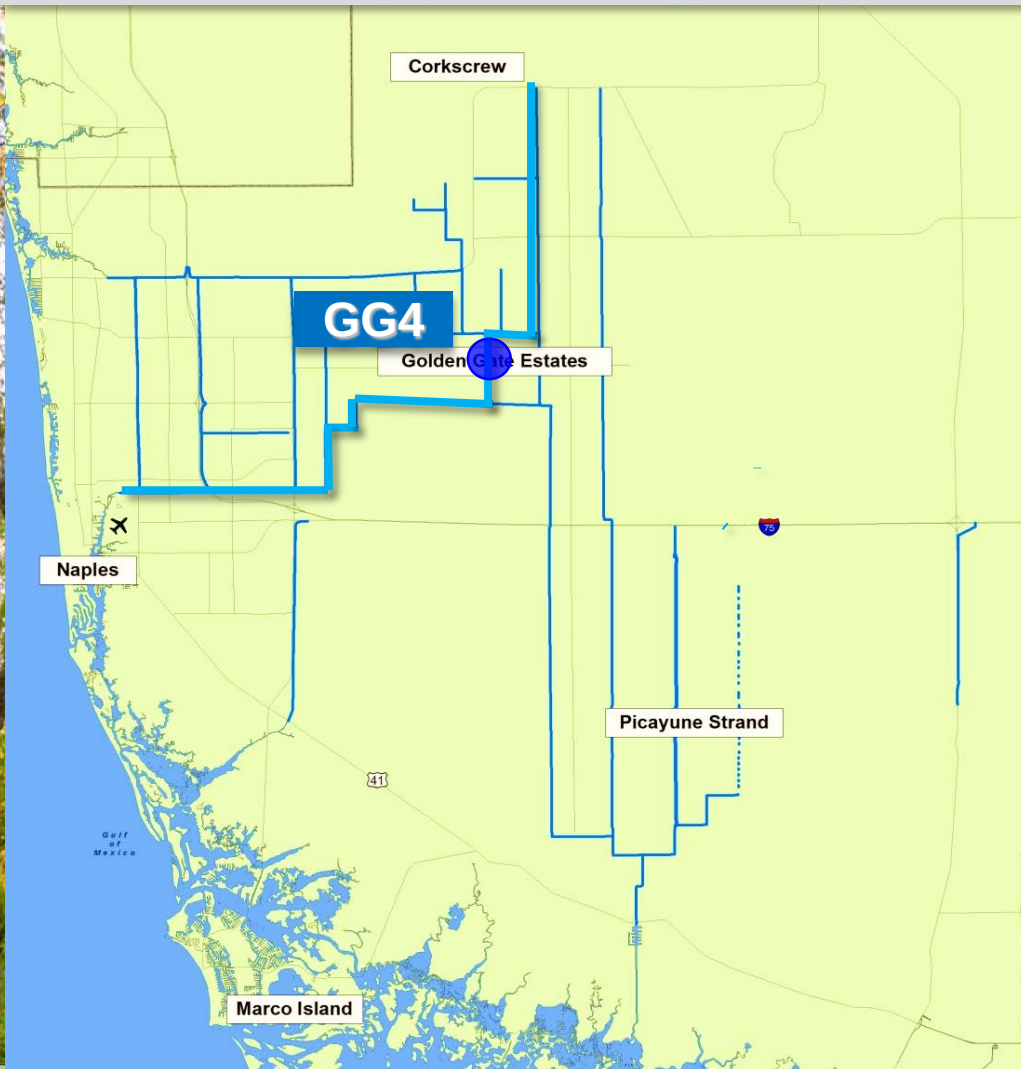


GG1 Historic Average Daily Headwater Percentiles



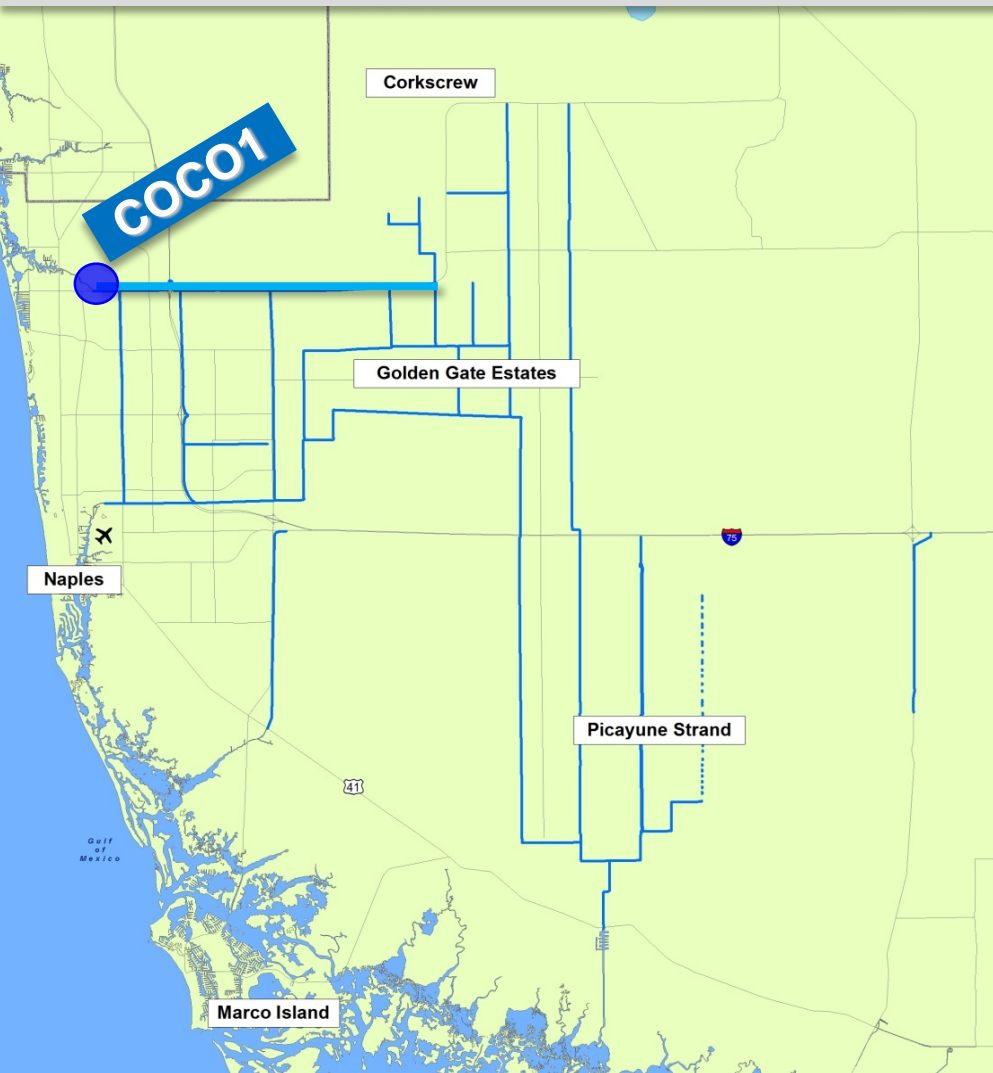
BCB Canal Levels ~ Daily Average Track

GOLDEN GATE MAIN

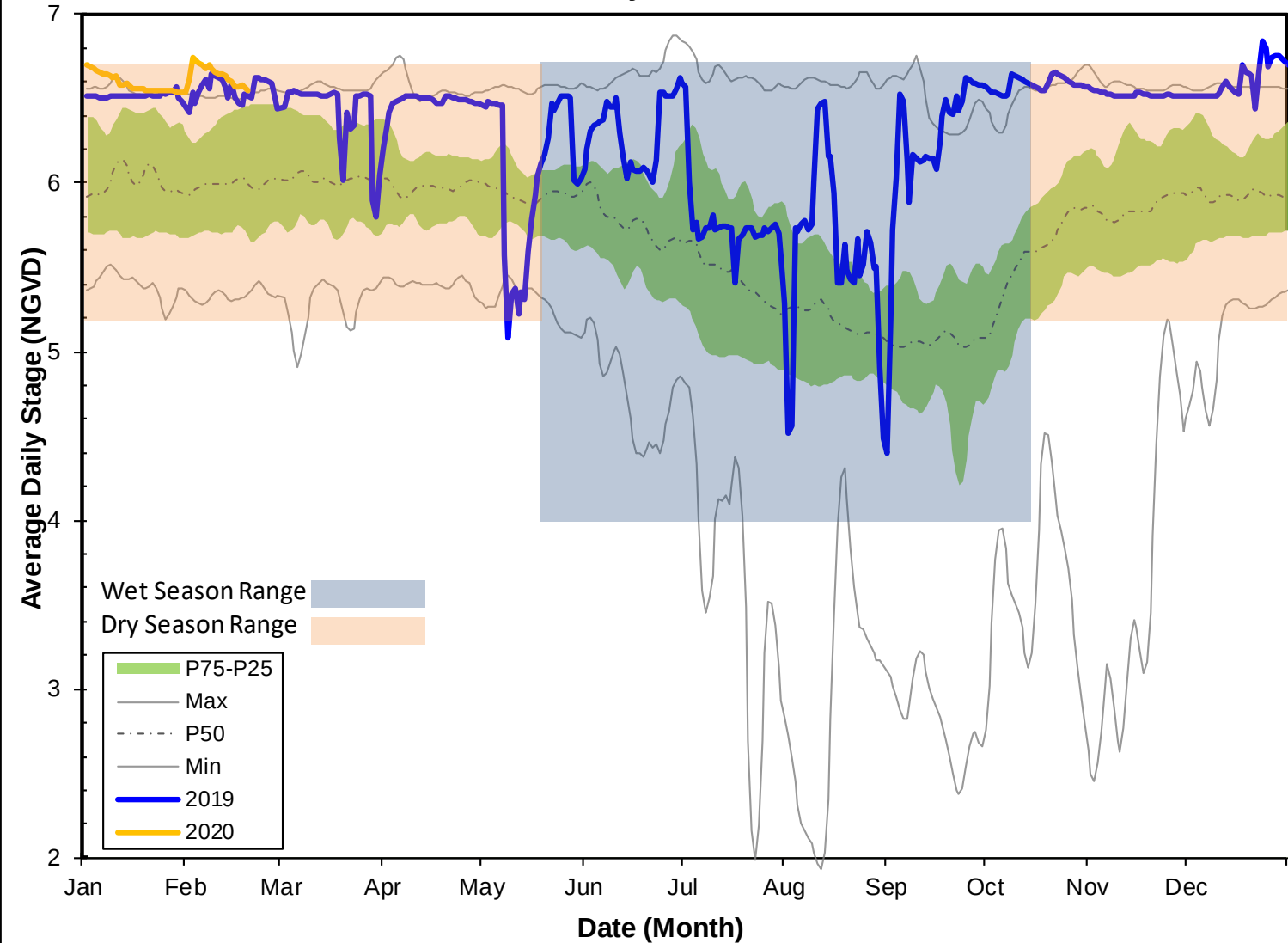


BCB Canal Levels ~ Daily Average Track

COCO HATCHEE CANAL

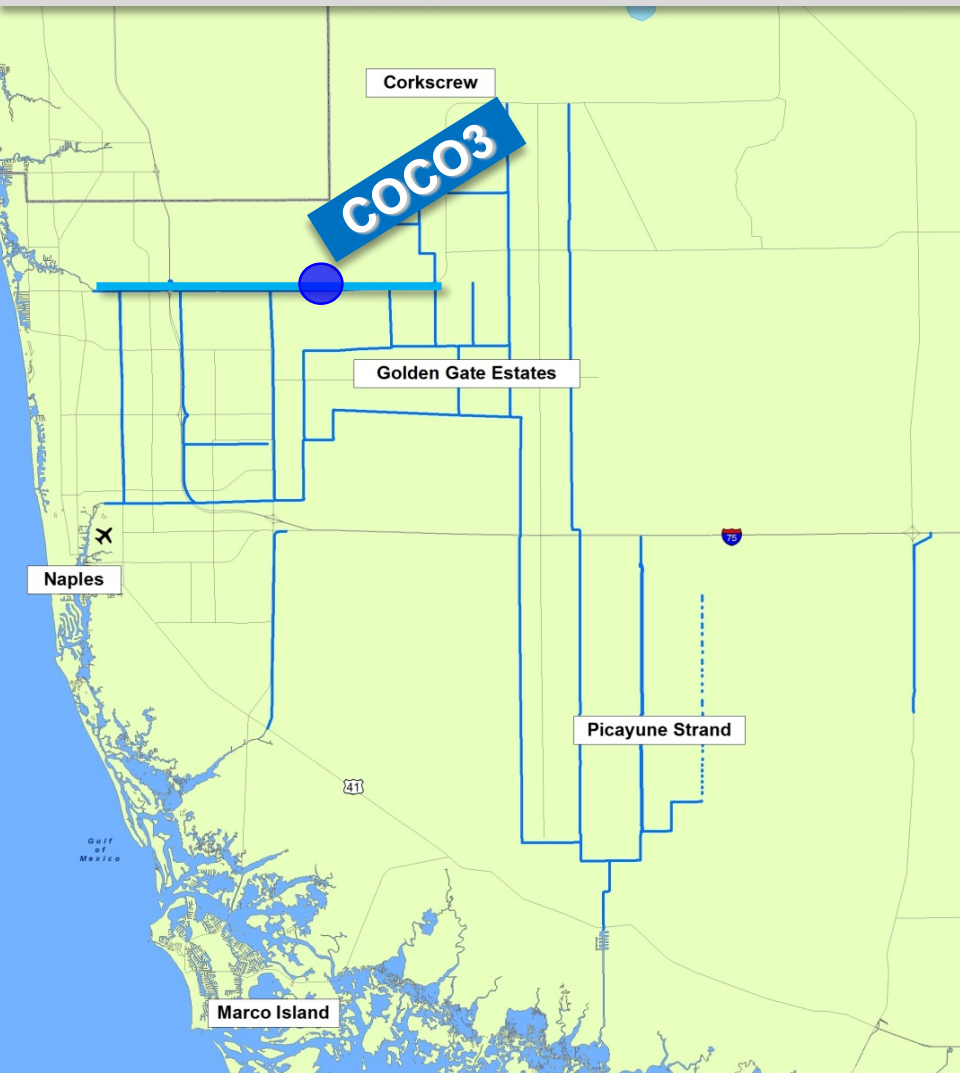


COCO1 Historic Daily Headwater Percentiles

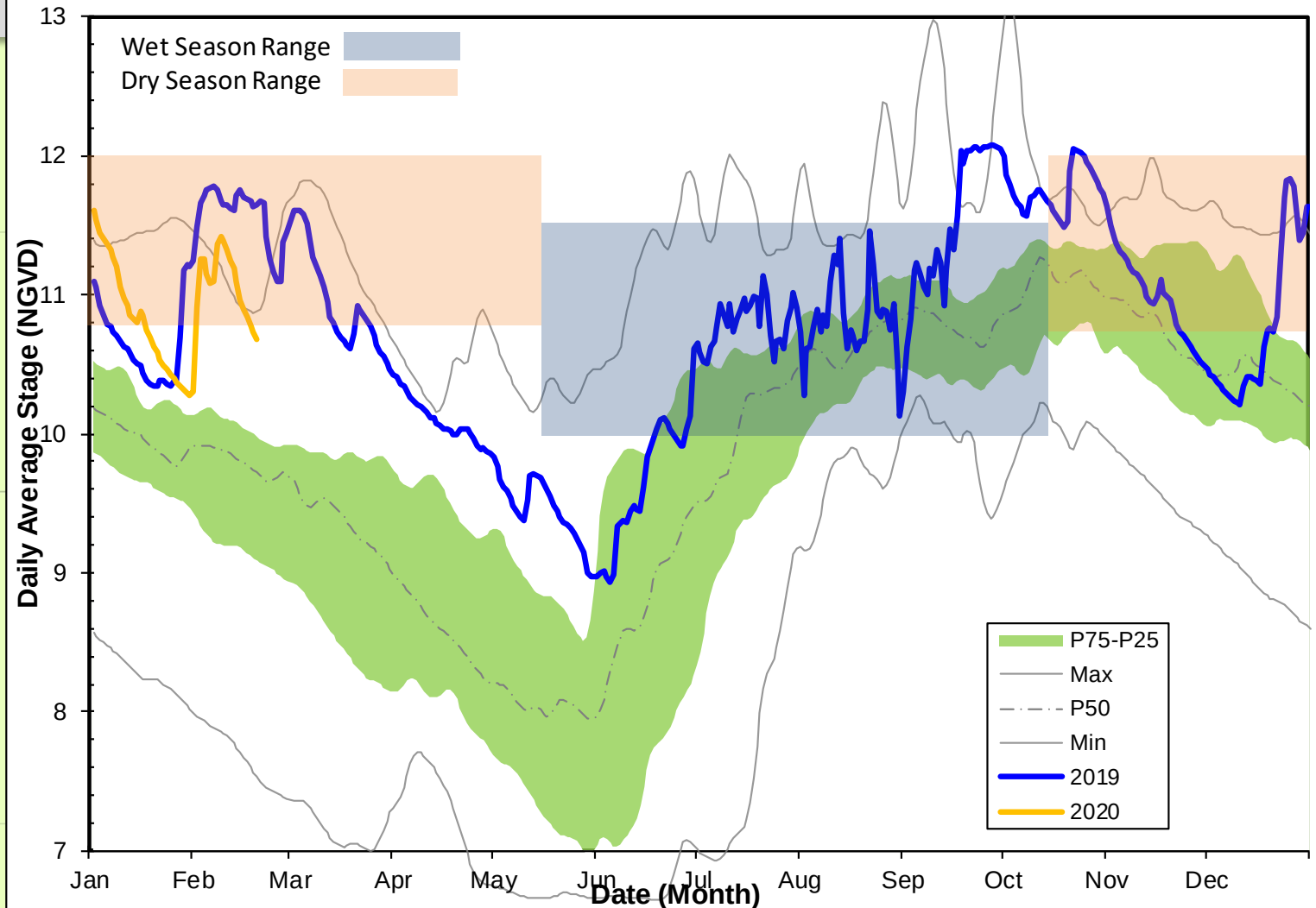


BCB Canal Levels ~ Daily Average Track

COCO HATCHEE CANAL

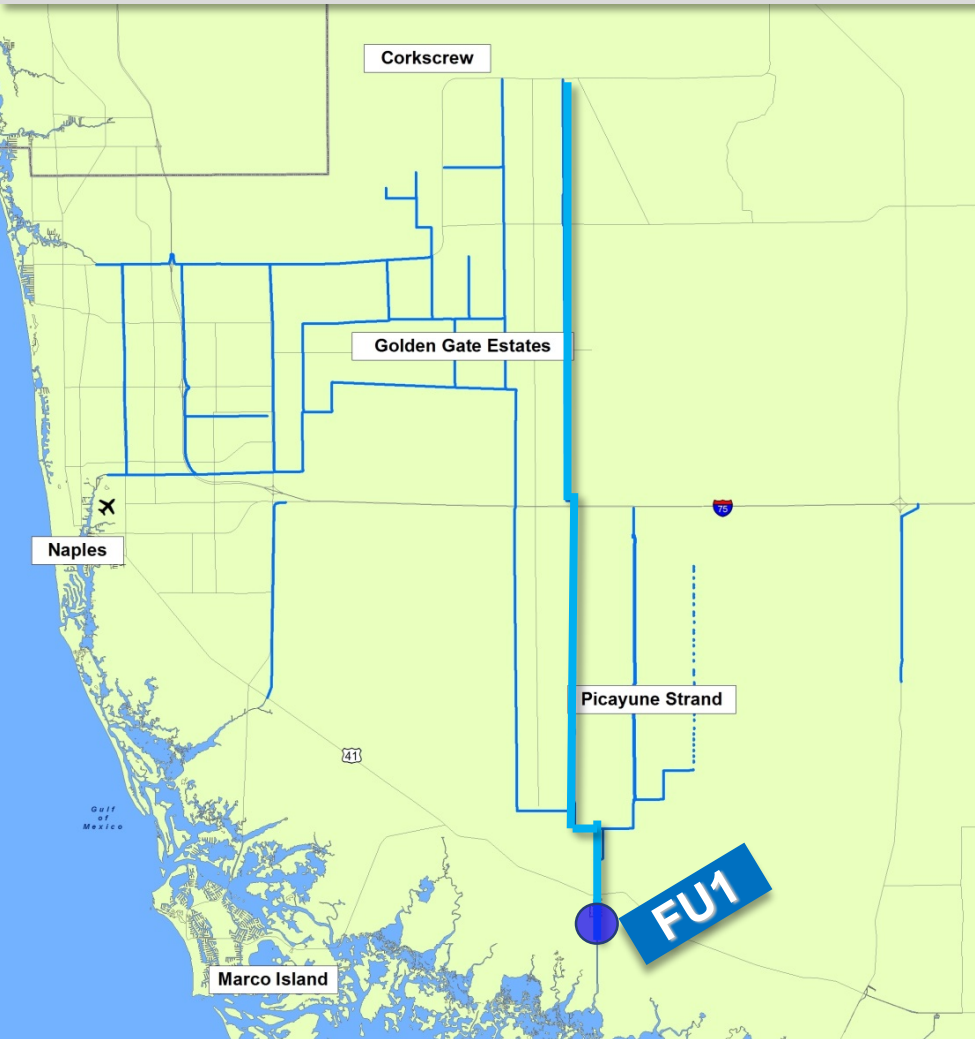


COCO3 Historic Average Headwater Percentiles

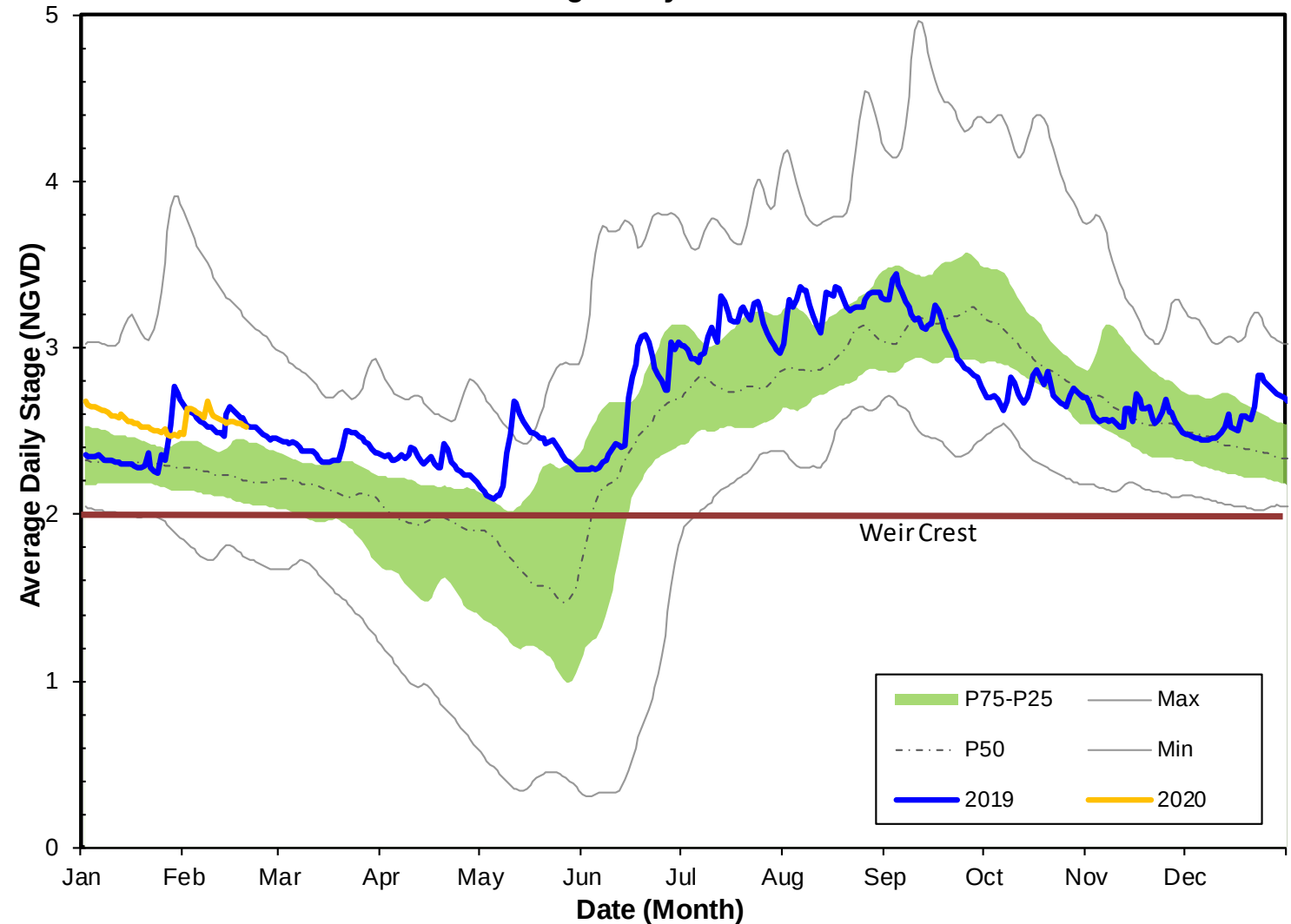


BCB Canal Levels ~ Daily Average Track

FAKA UNION CANAL

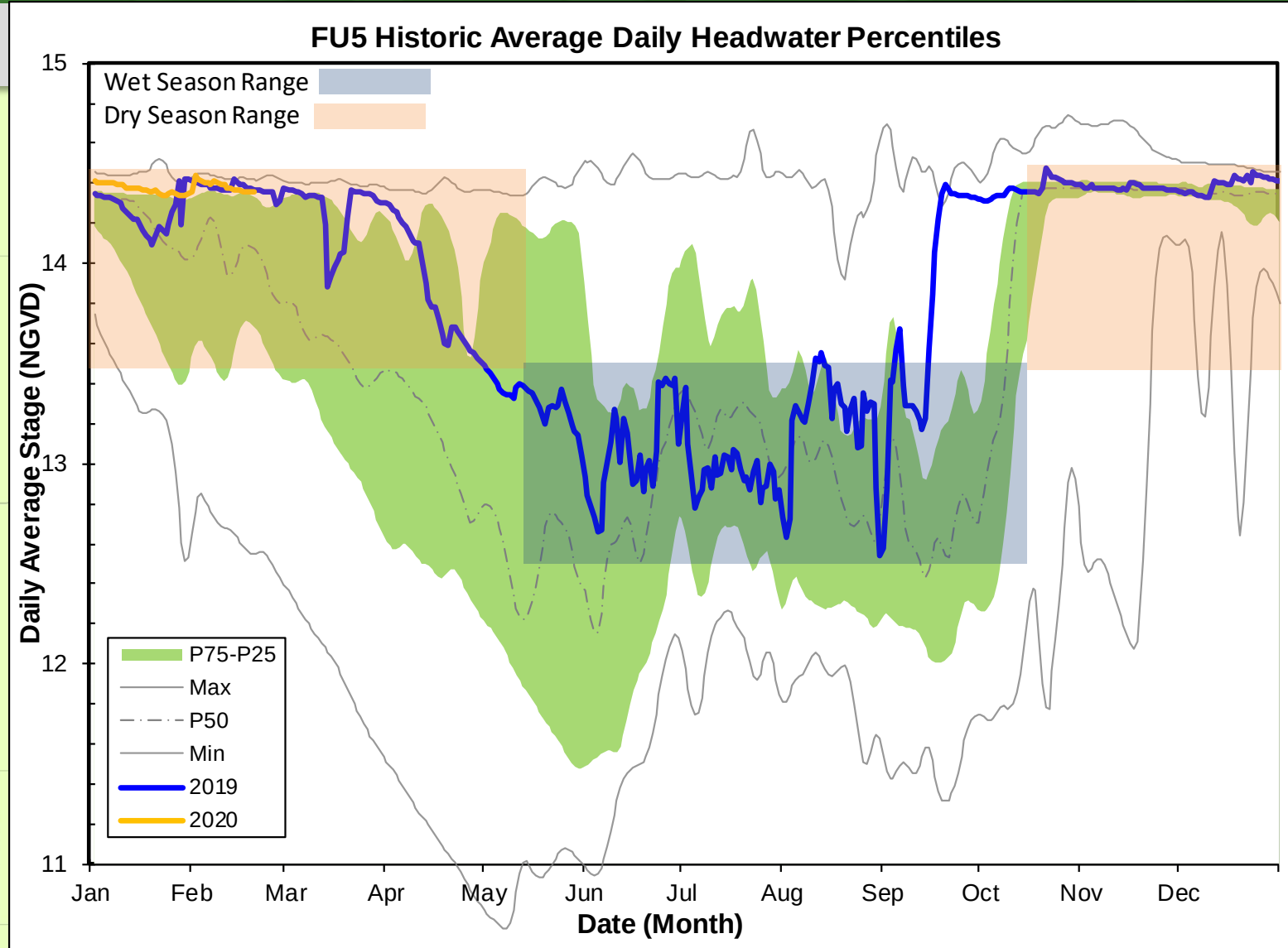
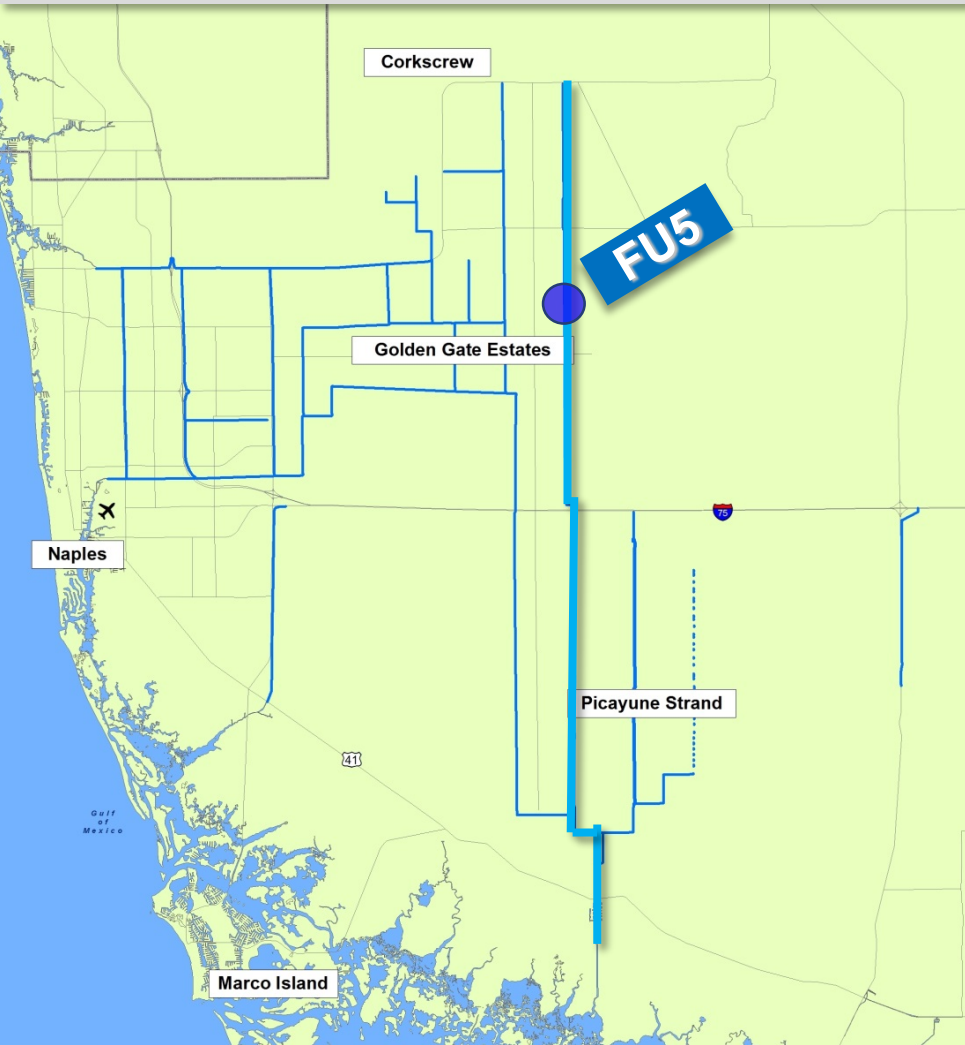


FU1 Historic Average Daily Headwater Percentiles



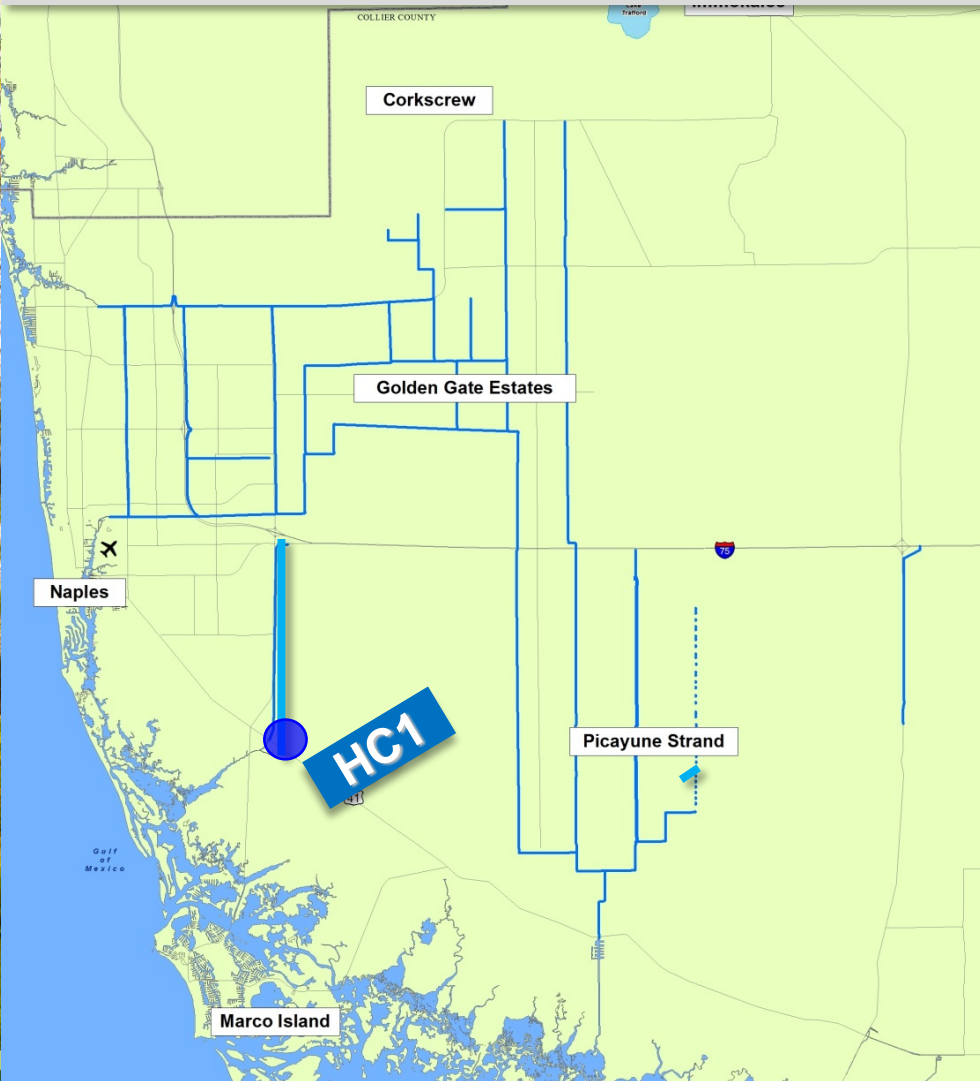
BCB Canal Levels ~ Daily Average Track

FAKA UNION CANAL

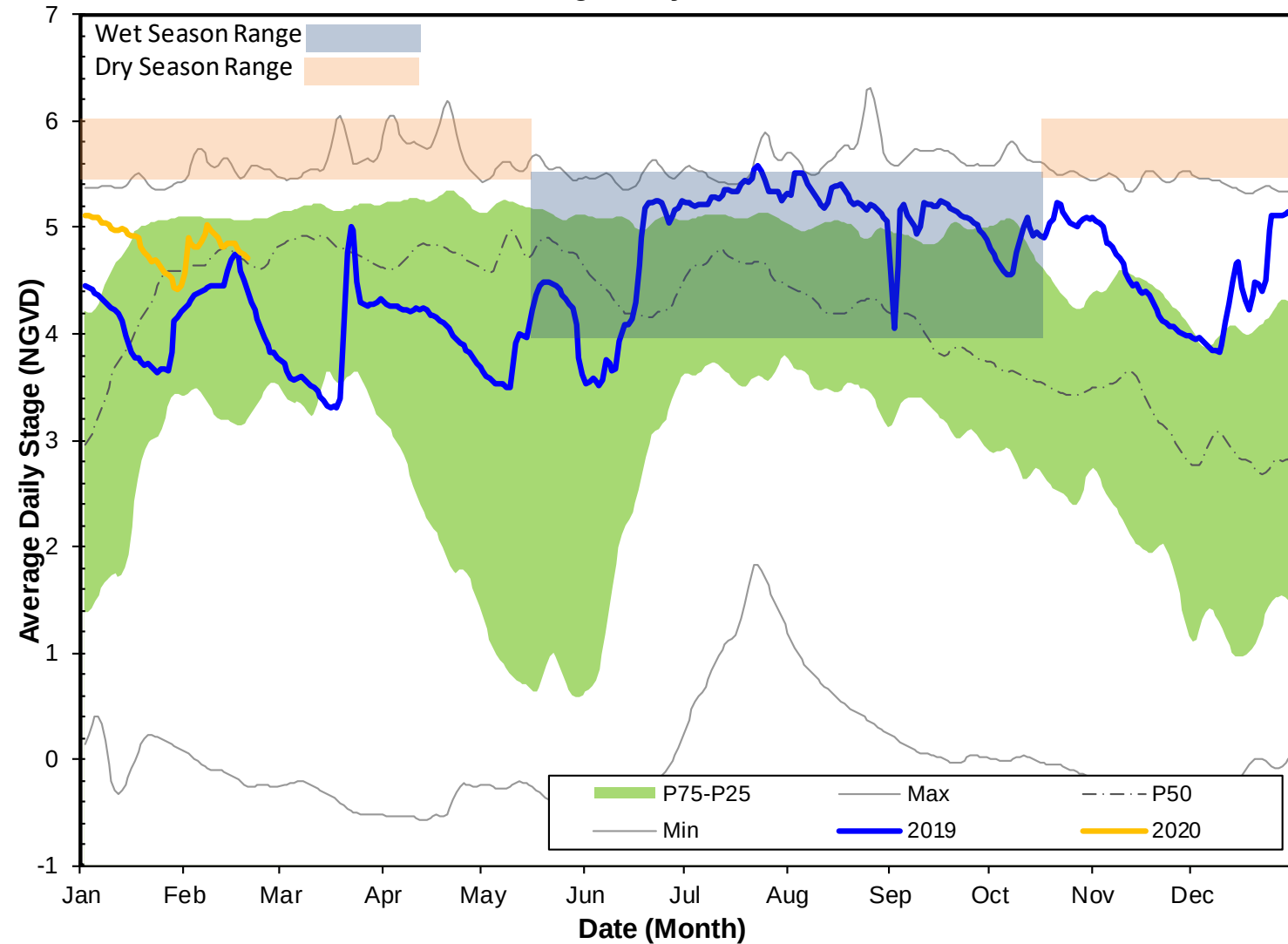


BCB Canal Levels ~ Daily Average Track

HENDERSON CREEK

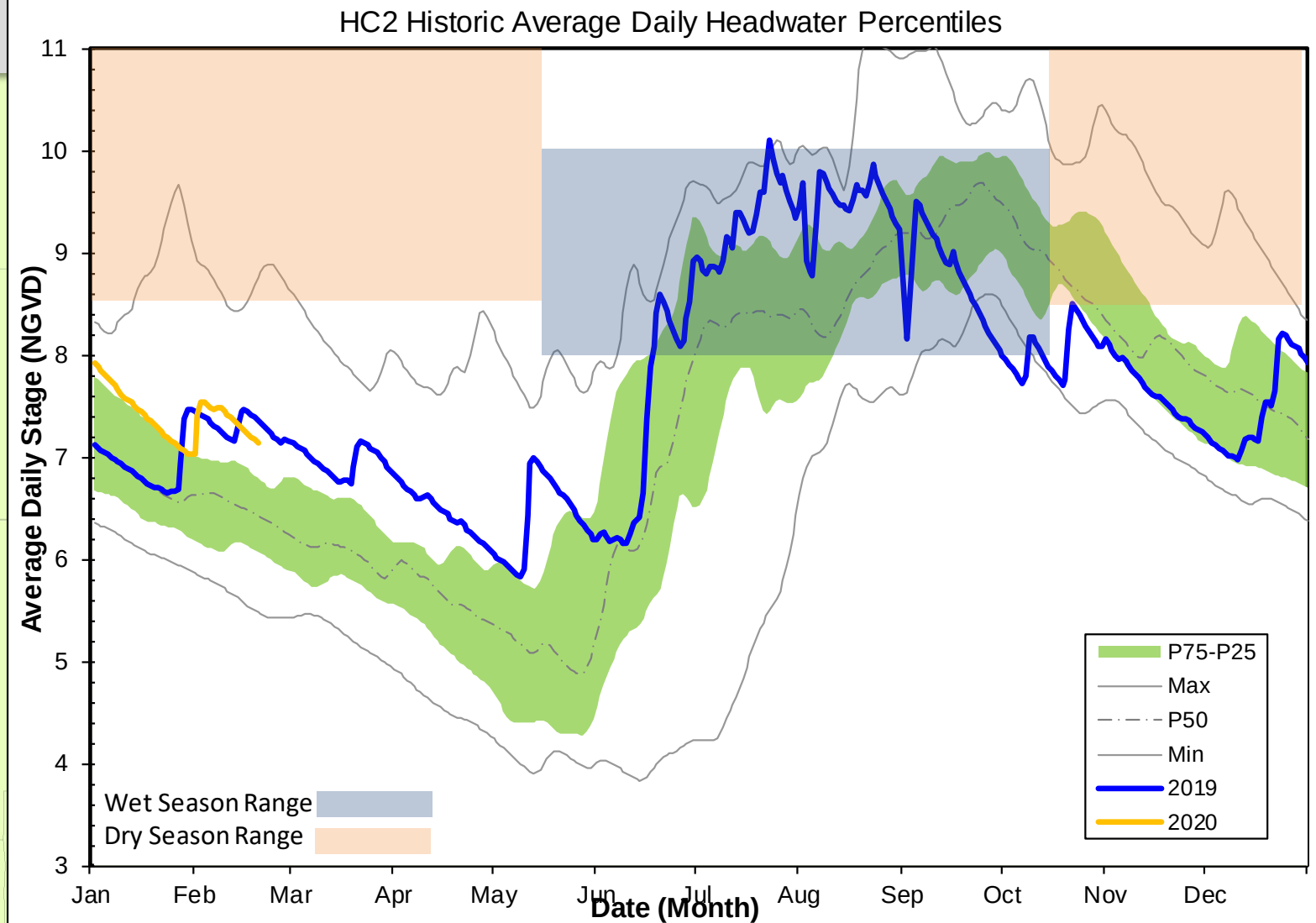
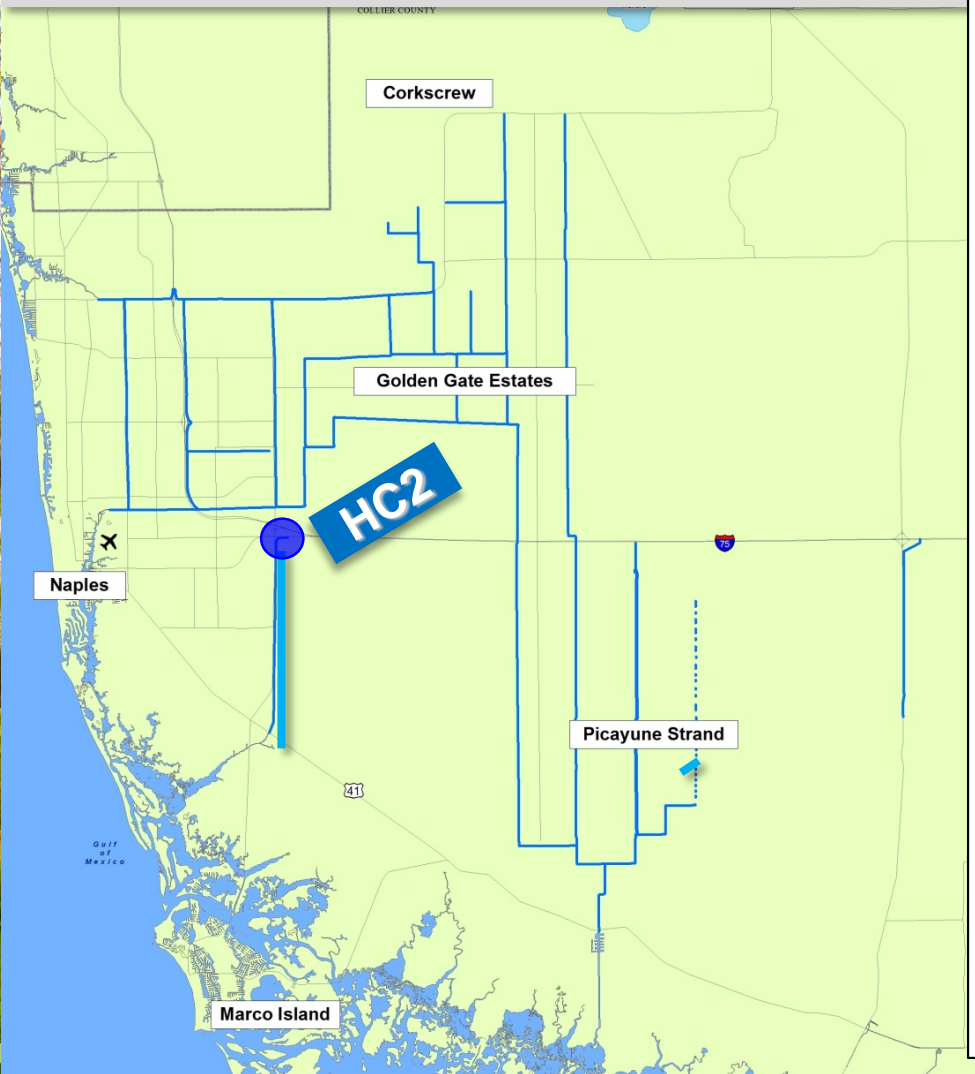


HC1 Historic Average Daily Headwater Percentiles



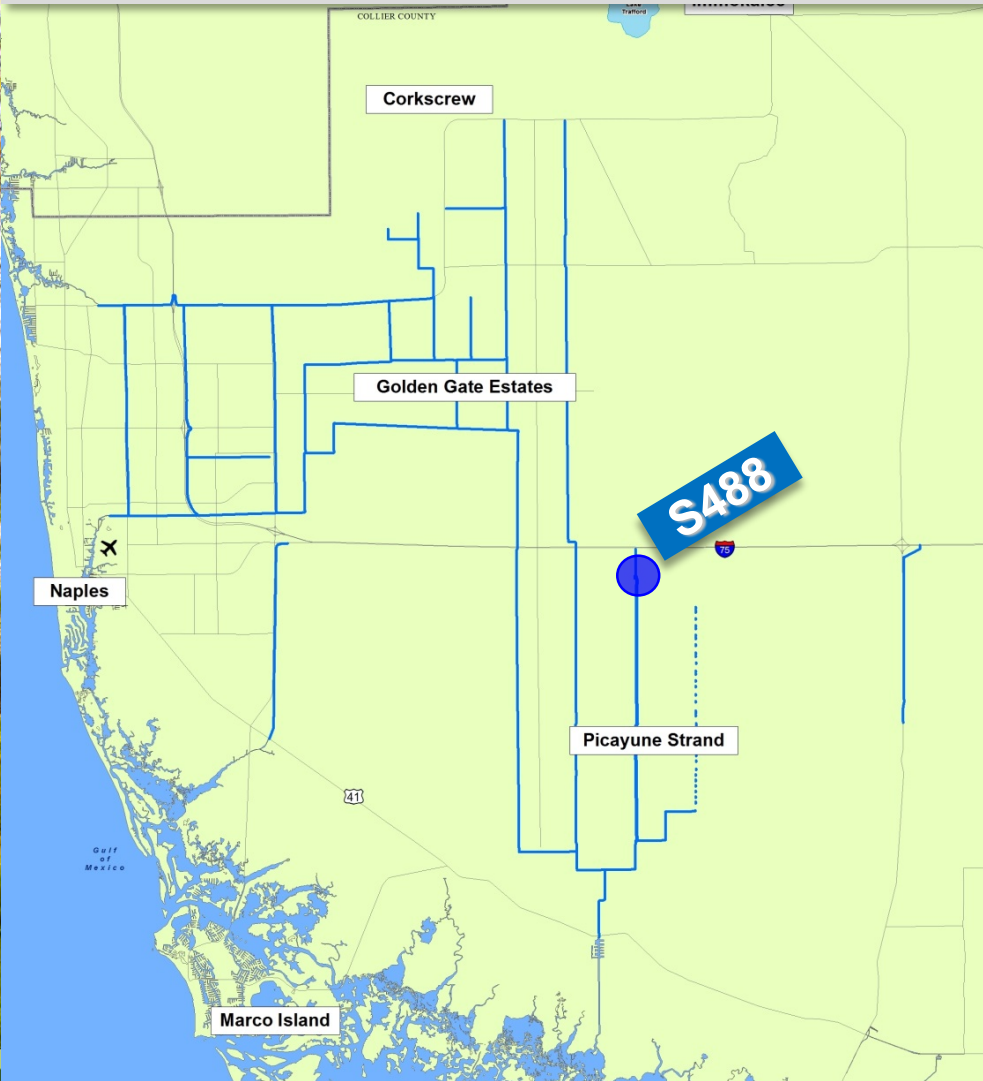
BCB Canal Levels ~ Daily Average Track

HENDERSON CREEK

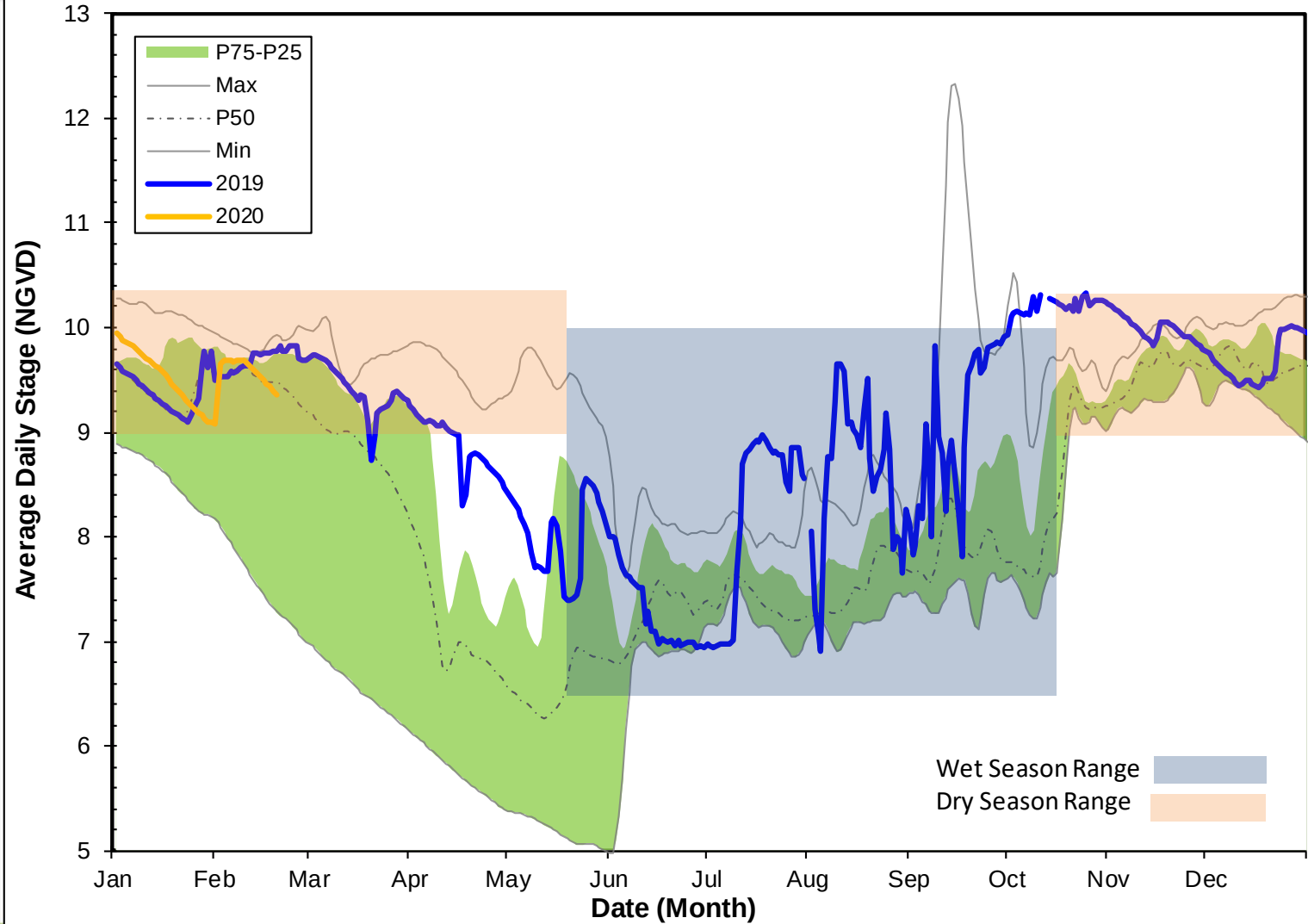


CERP PSRP Operations ~ Daily Average Flow/Stage

MERRITT PUMP STATION

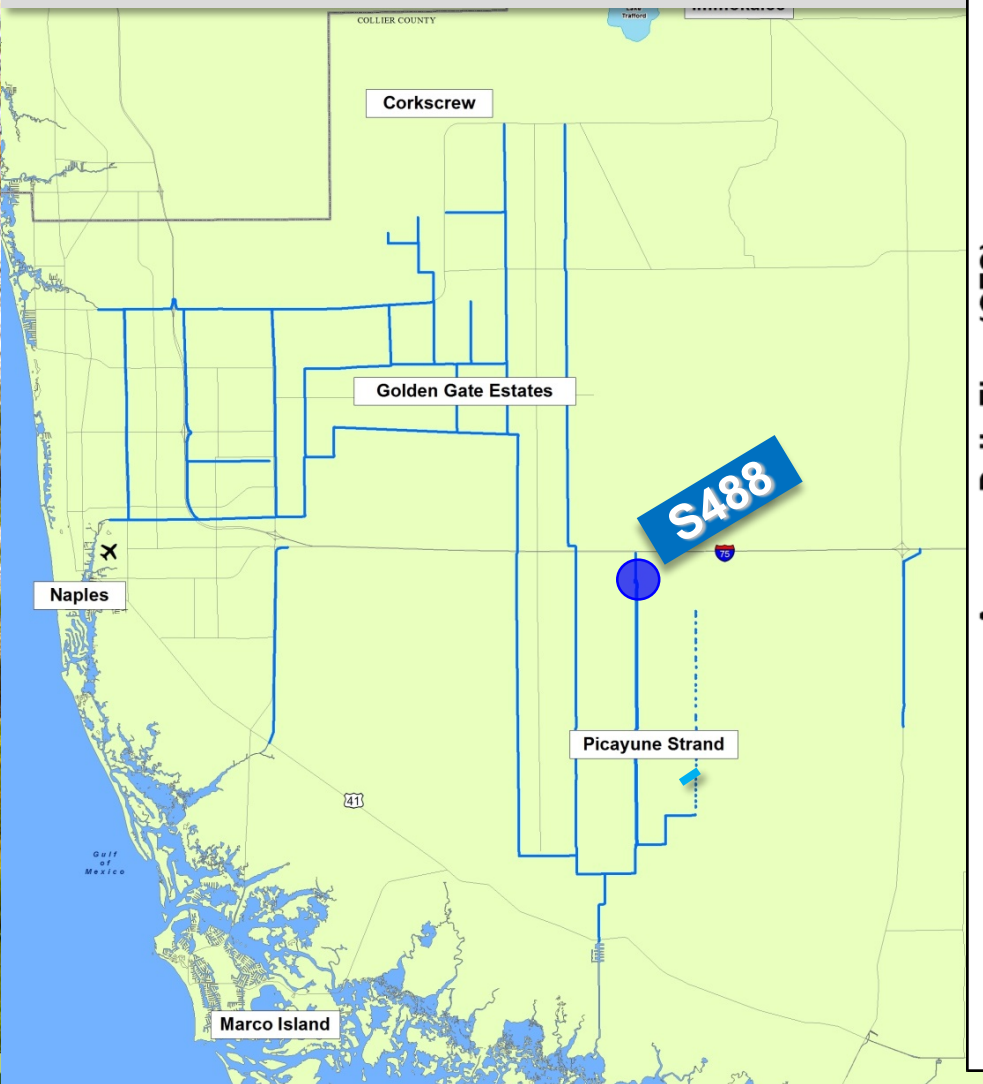


S488 (Merritt) Historic Average Daily Headwater Percentiles (2015-2019)

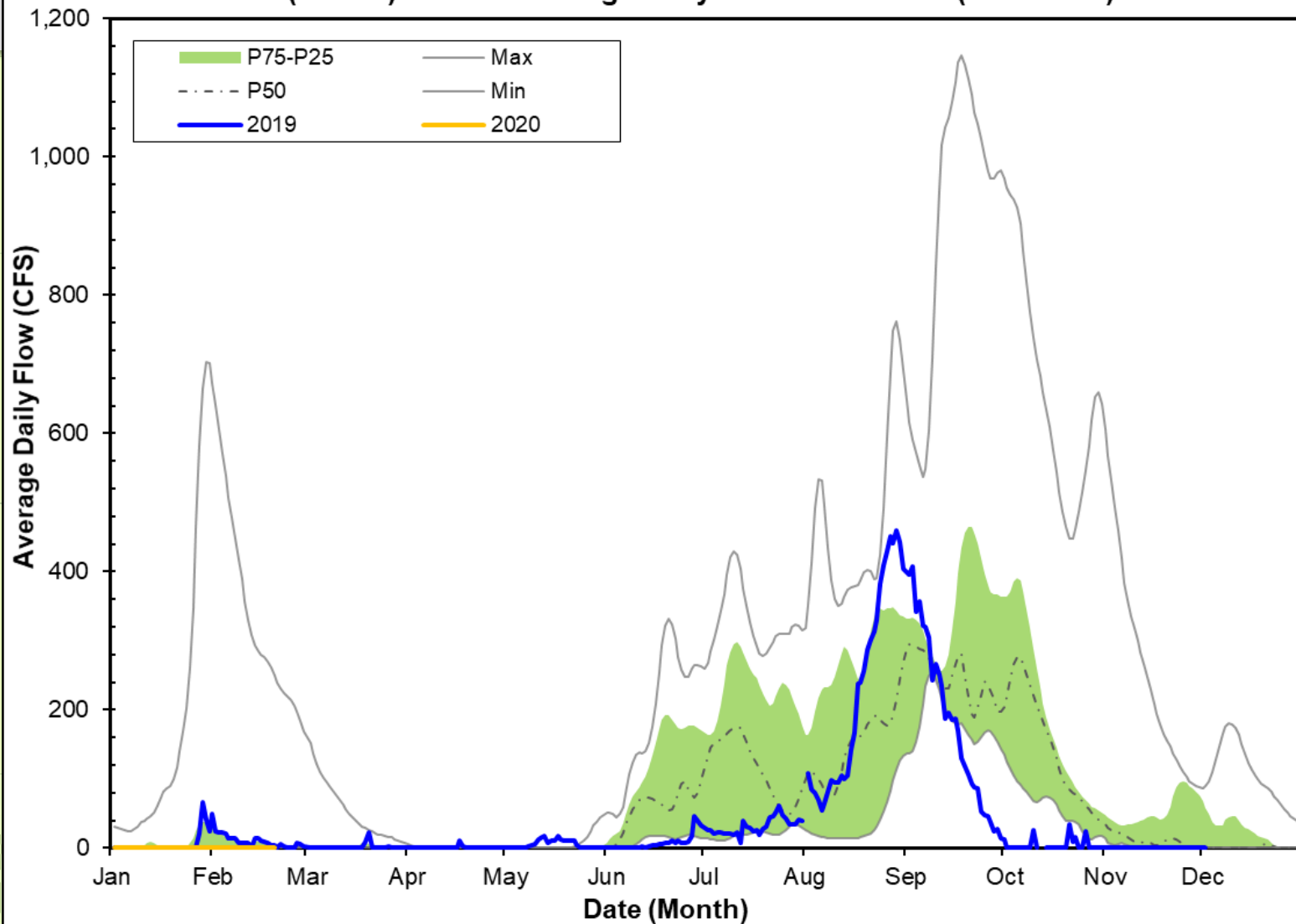


CERP PSRP Operations ~ Daily Average Flow/Stage

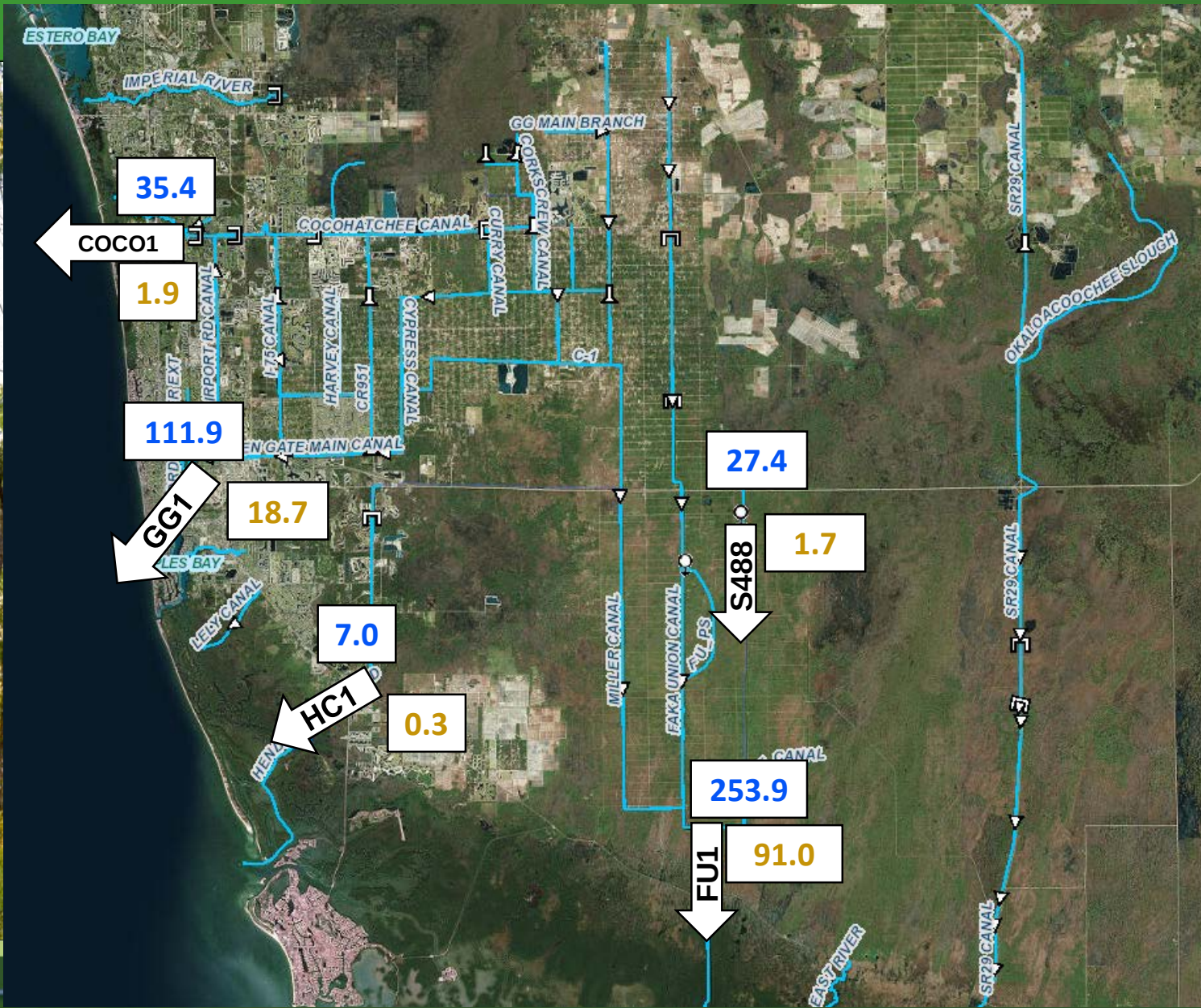
MERRITT PUMP STATION



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



BCB - Outflow Volumes

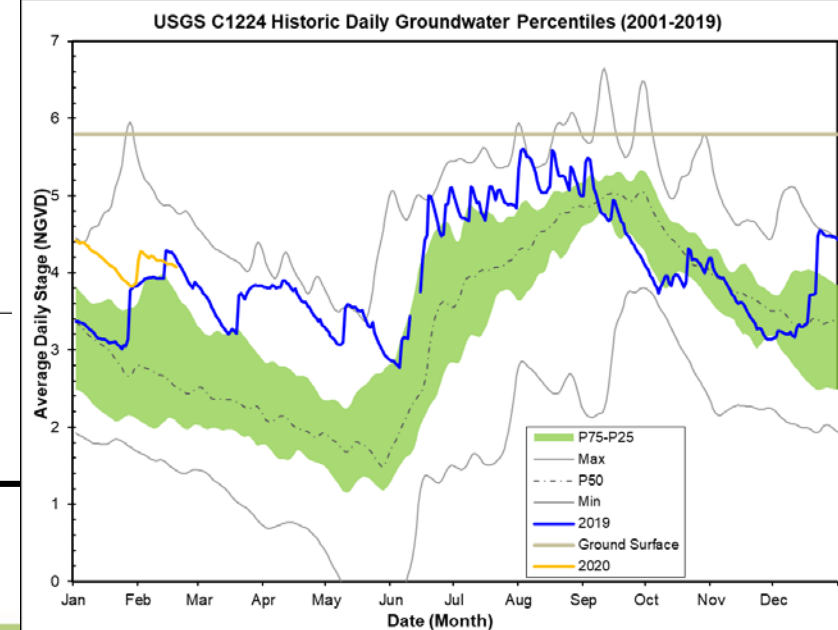
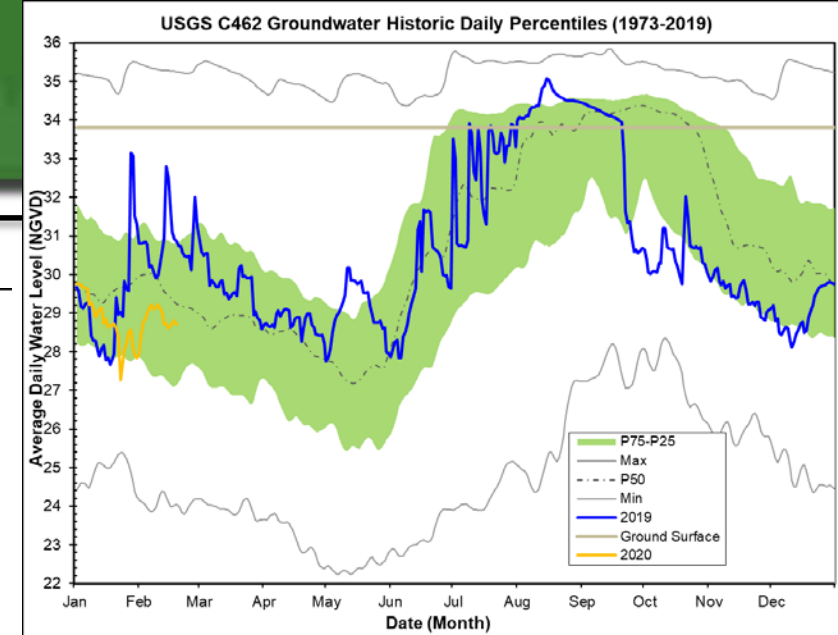
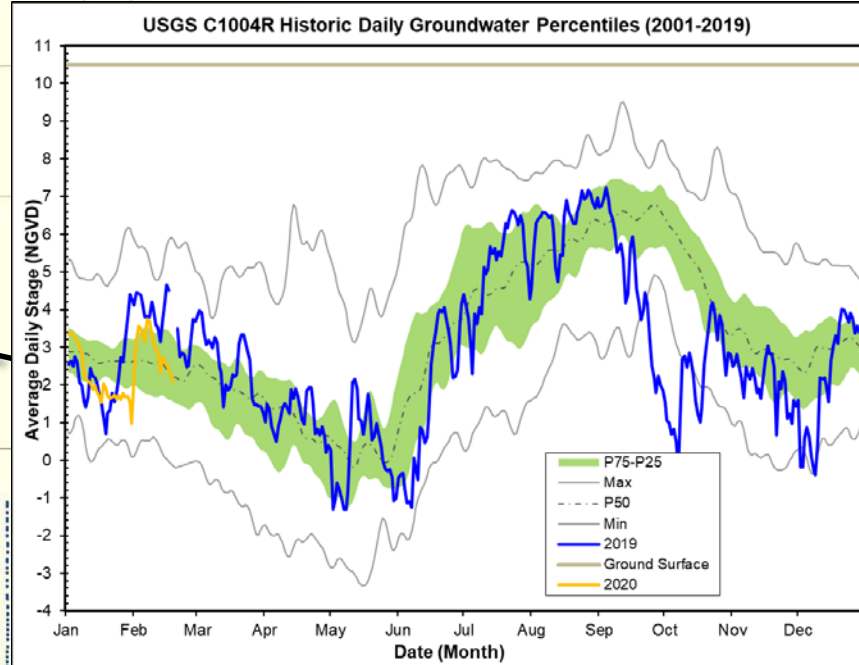
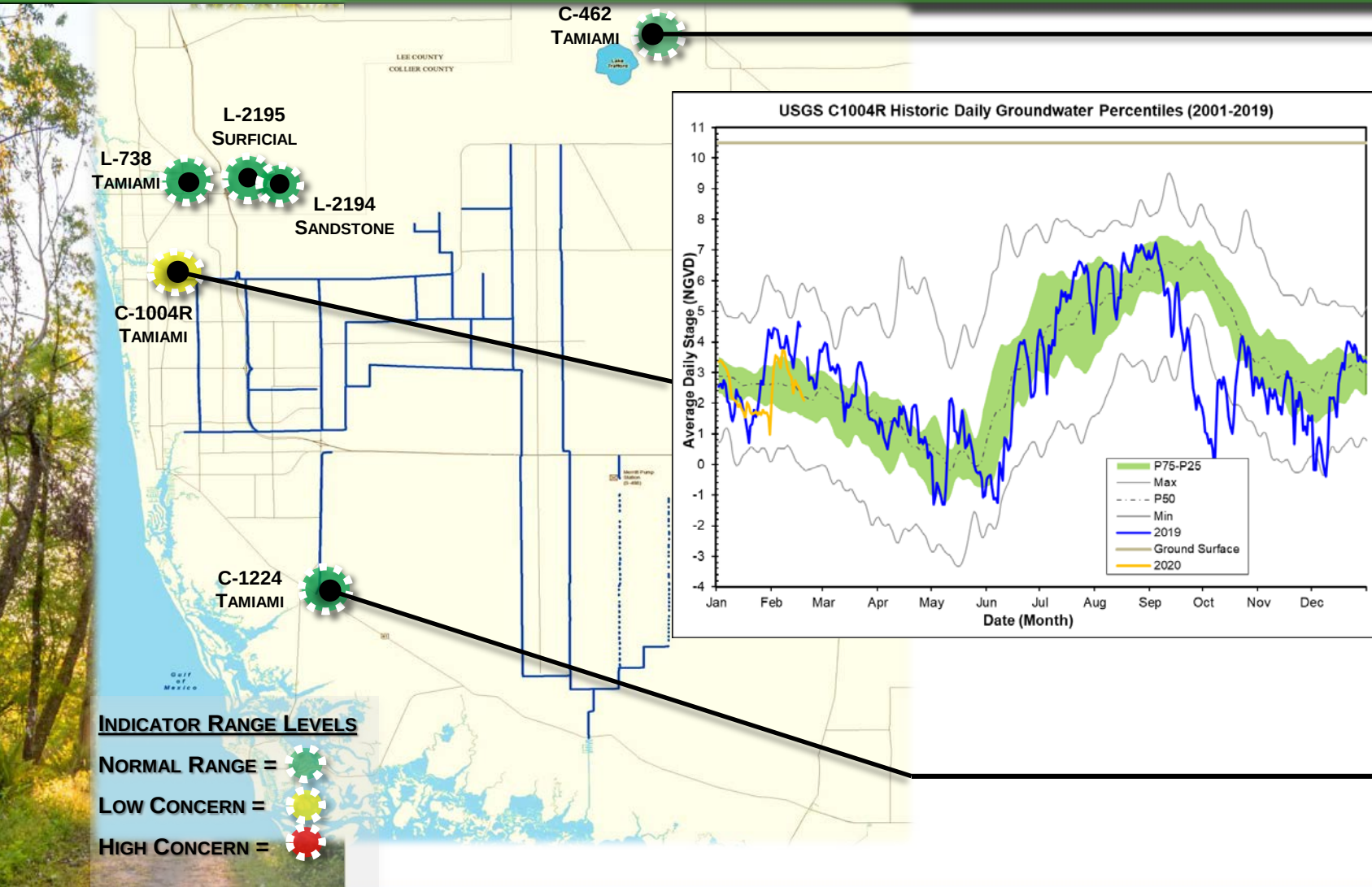


BCB – Release Volumes
(volumes in 1,000 acre-feet)

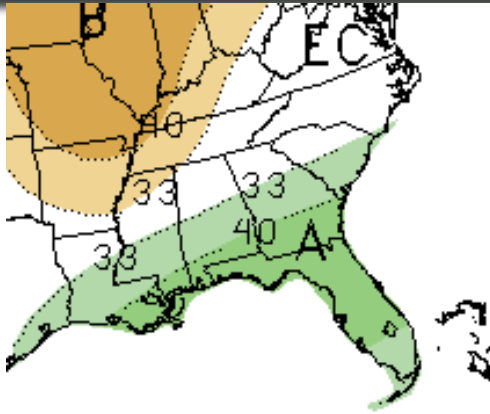
Water Year - Volume discharges 06/01/19 to 02/19/20

Dry Season - Volume discharges 09/18/19 to 02/19/20

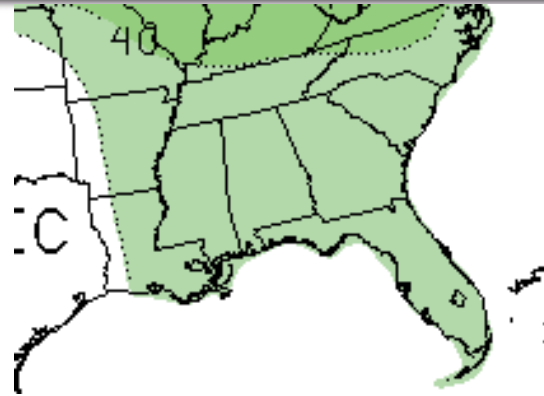
Groundwater Level Trends



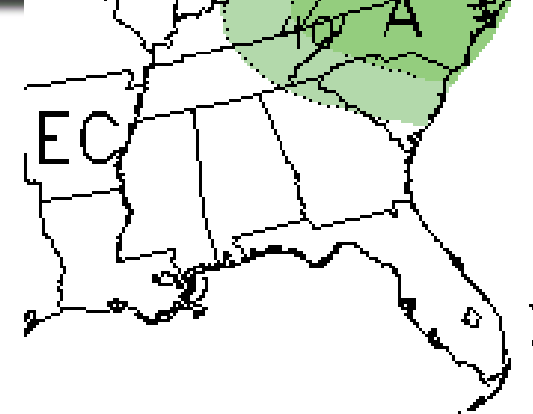
Long-Range Precipitation Outlook



March 2020

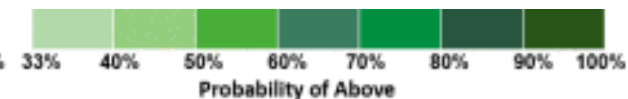
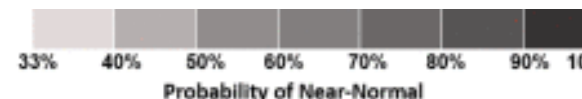
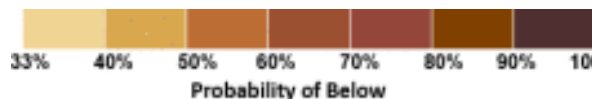


April – June 2020



July-Sept 2020

- The most recent CPC precipitation outlook for March 2020 calls for above average chances for above-normal rainfall for south Florida.
- The CPC precipitation outlook for April-June calls for above average chance for above-normal rainfall.
- The July-September 2020 outlook indicate equal chances of above-normal, normal, or below-normal rainfall for south Florida.



BCB Water Conditions Report

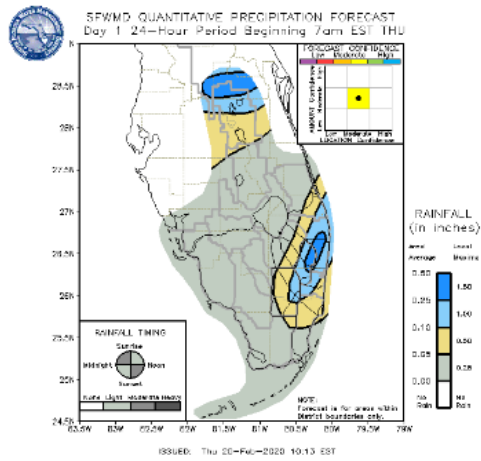
QUESTIONS ?



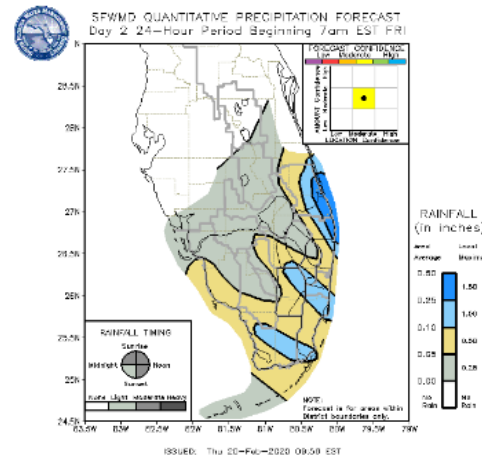
7 Day Weather Outlook



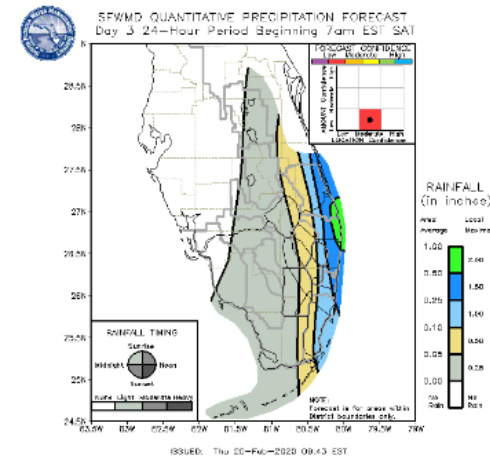
Day 1



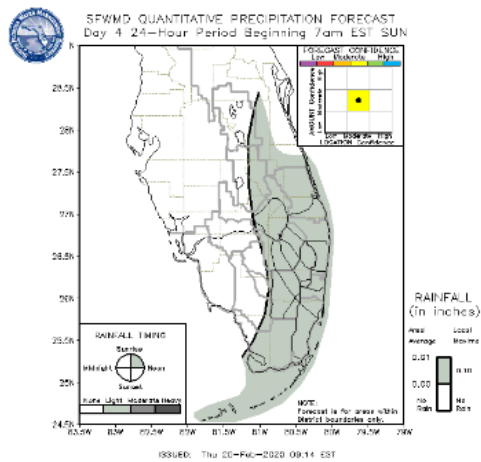
Day 2



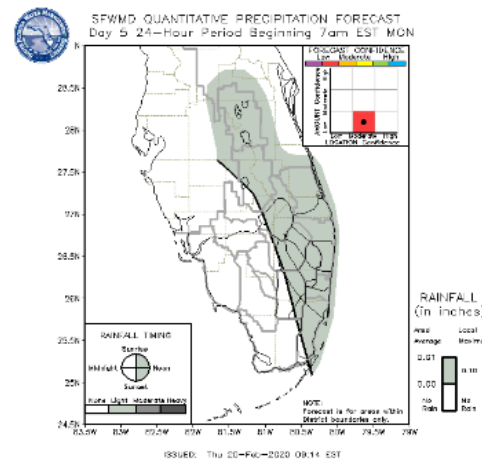
Day 3



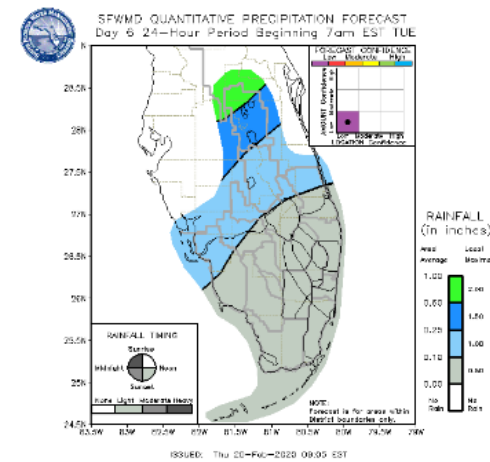
Day 4



Day 5



Day 6



Day 7

