

# Water Conditions Summary

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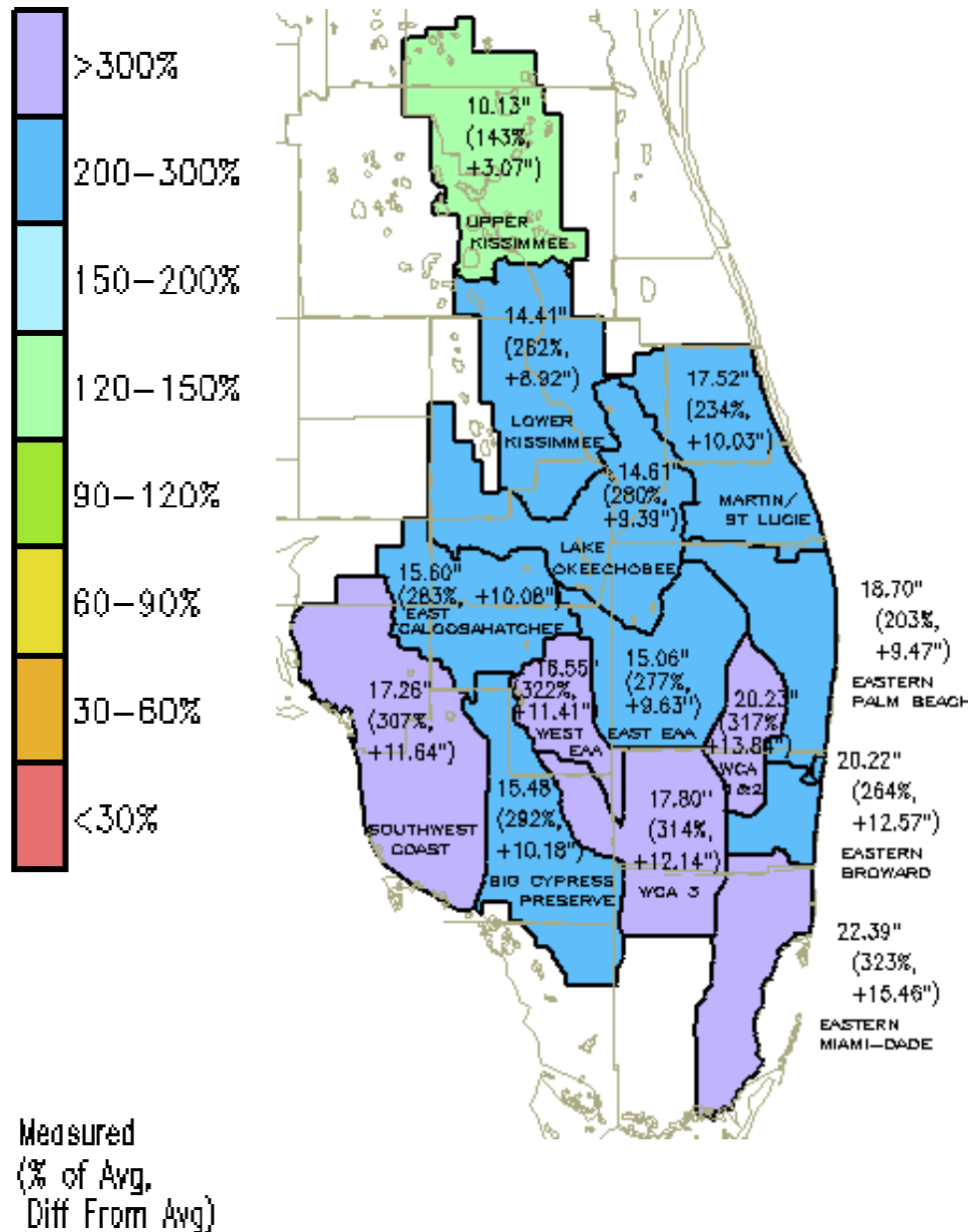
# SFWMD

## 2015-2016 Dry Season

### Rainfall

(02-Nov 2015 to 01Feb 2016)

**DISTRICT-WIDE: 16.22"**  
**267% of Avg, or +10.14")**



- District rainfall for current dry season is above average after a very dry October 2015.
- Nearly all basins are 200% or more above average
- Upper Kissimmee is the lowest with 143% of average
- November, December and January, the start of the dry season, was the wettest for this period since record keeping began in 1932.

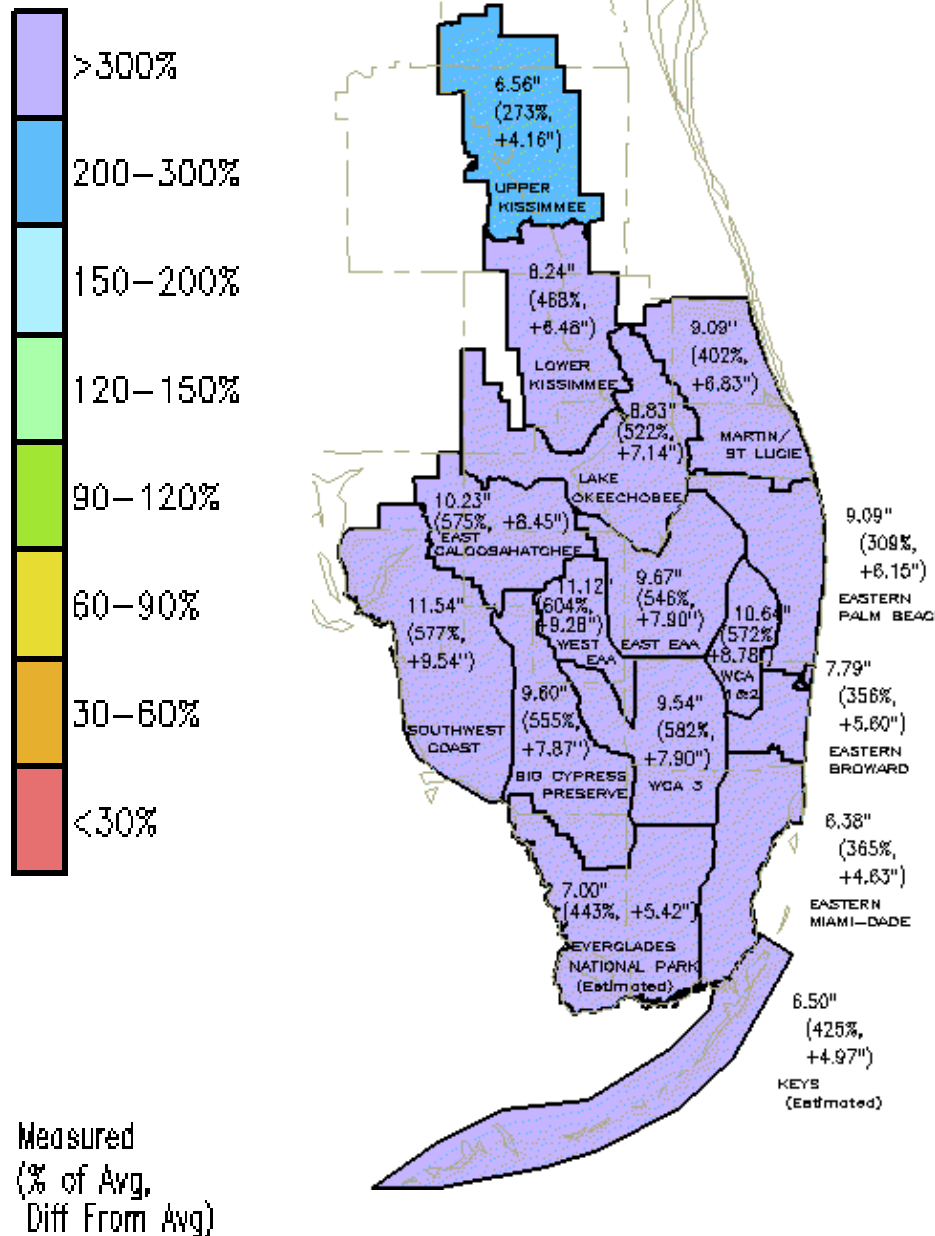
*\*Slide from February 2016 Water Resources Advisory Commission<sup>3</sup>*

# SFWMD

## Jan 2016 Rainfall

(02-Jan to 01-Feb 2016)

**DISTRICT-WIDE: 9.18"**  
**476% of Avg, or +7.25")**

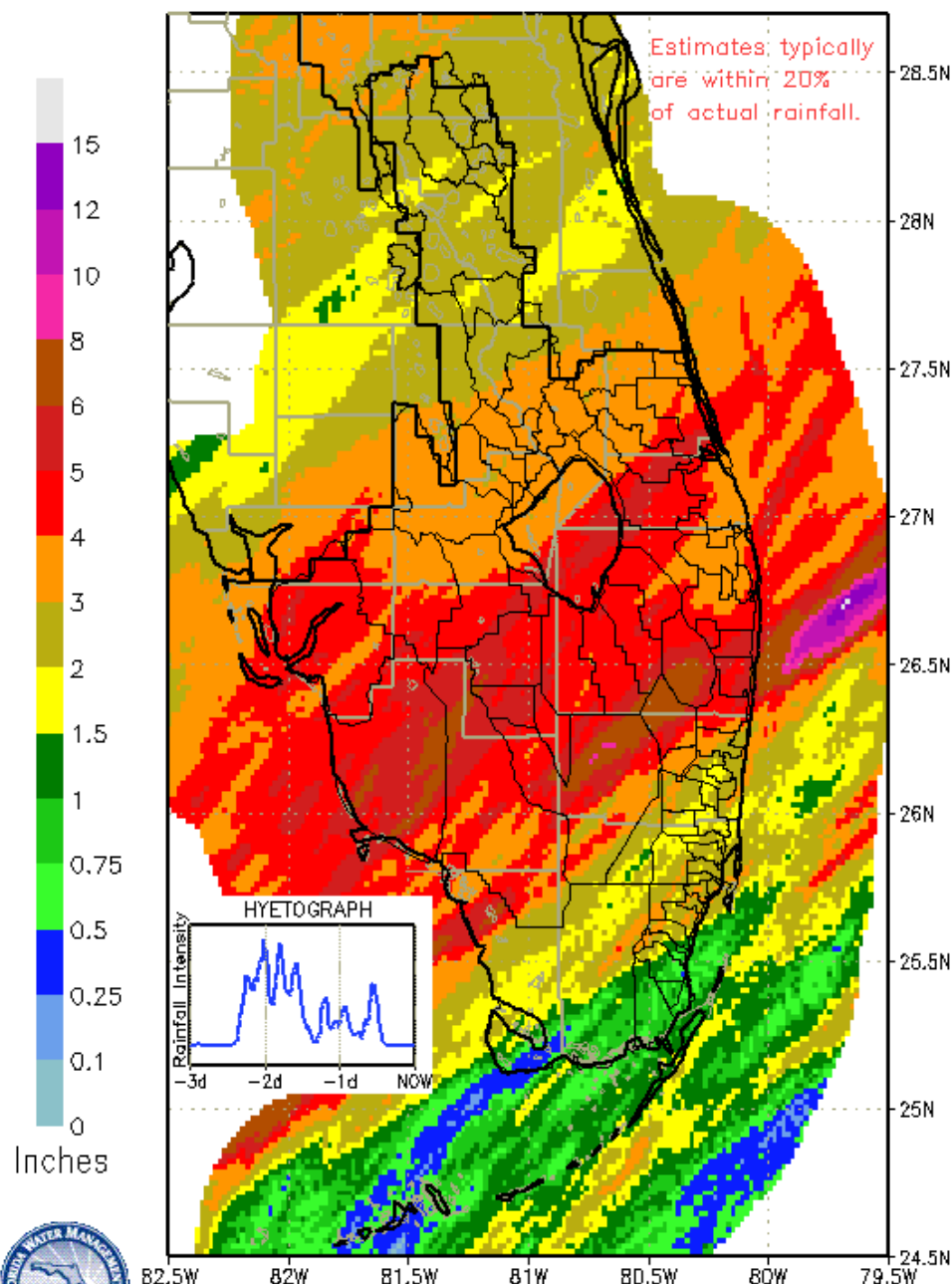


- Wettest January since record keeping began in 1932.
- Second wettest 7 months season month back 1932
- Record setting with 476% of average.
- Nearly all basins received more than 300 percent of average

*\*Slide from February 2016 Water Resources Advisory Commission*

# SFWMD PROVISIONAL RAINDAR 3-DAY RAINFALL ESTIMATES

FROM: 0800 EST, 01/26/2016 THROUGH: 0800 EST, 01/29/2016



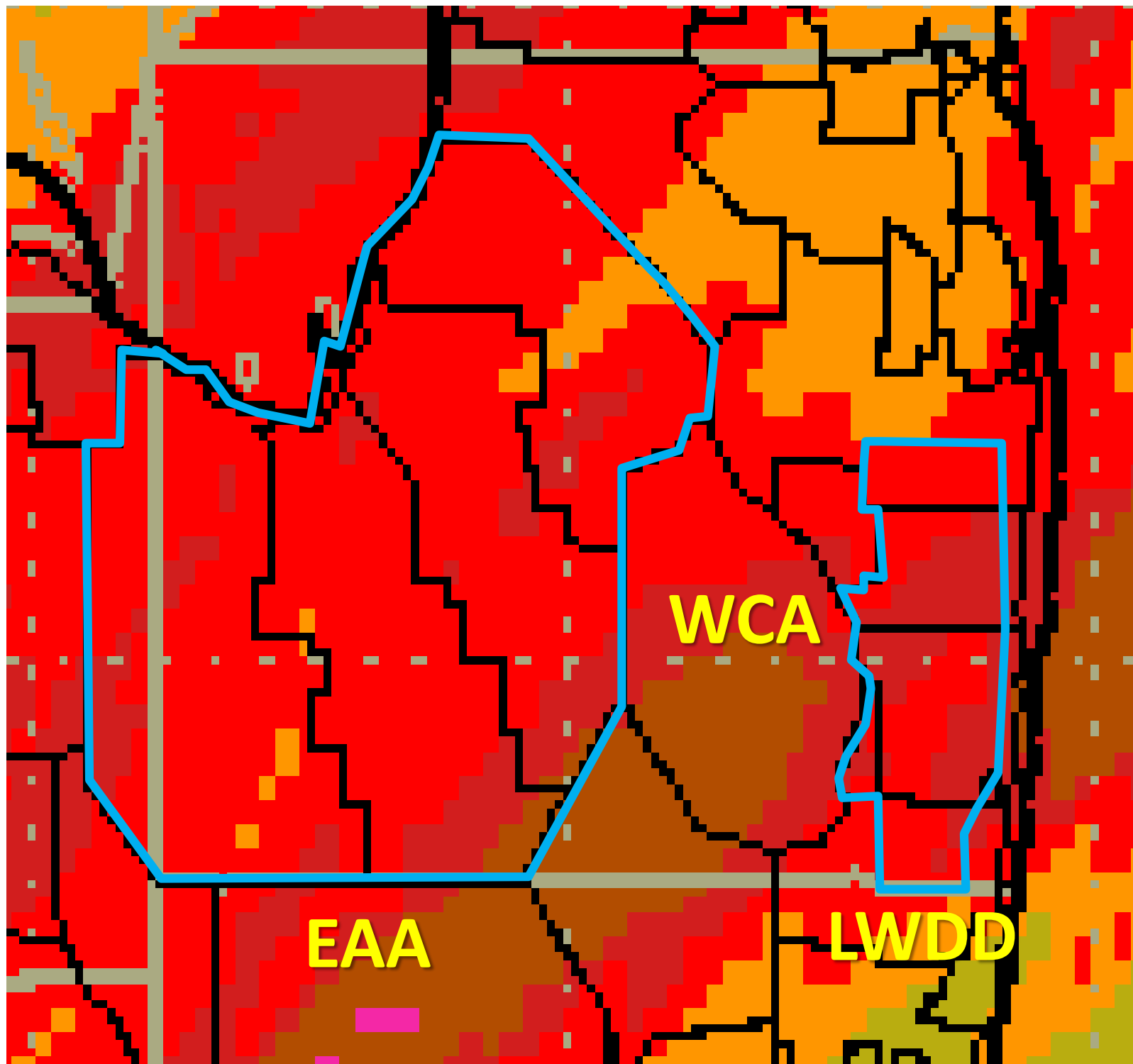
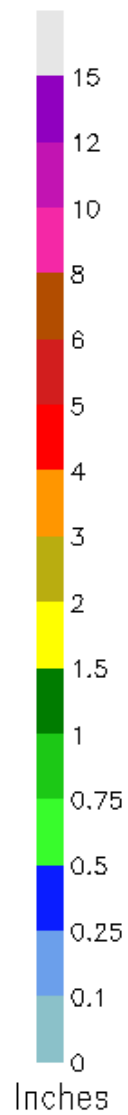
DISTRICT-WIDE RAINFALL ESTIMATE: 3.891"

## 2-day Rainfall

- Most of the recent event was concentrated on the 3 calendar days Jan-26 to Jan-29 with a total of ~ 3.9" in 3 days
- The hardest hit areas show frequencies close to 25 years for the 2-day rainfall depth
- Areas showing 6 to 8 inches frequencies are between 5 and 10 years
- 7 am to 7 am amounts

Period	Rainfall (inches)
01/26-01/27	0.97
01/27-01/28	2.27
01/28-01/29	0.89

*\*Slide from February 2016 Water Resources Advisory Commission*





# EAA Comparison



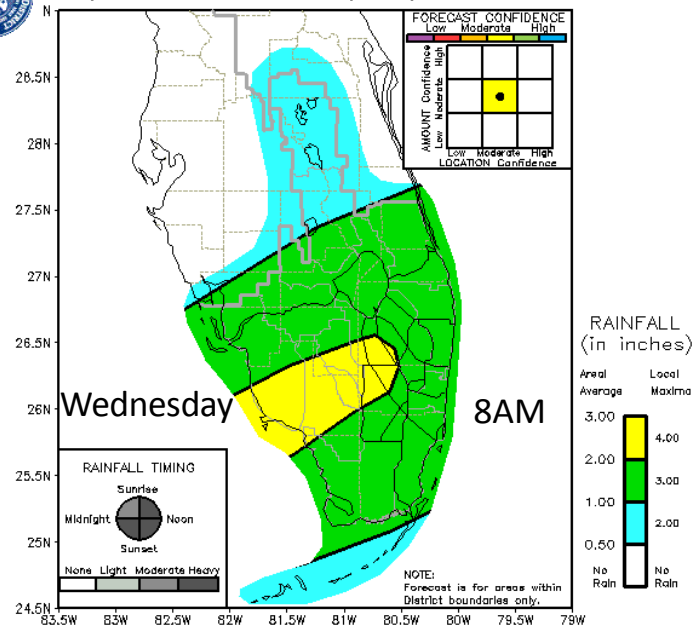
# SFWMD System Preparation / Response\*

- Monday, Jan-25:
  - Forecast of substantial rainfall over the remainder of the week.
  - Coordinated with USACE to secure approval to implement pre-storm drawdown operations
- Tuesday, Jan. 26:
  - Started drawdown for South Dade canals
  - EAA Canals were lowered
  - *LWDD Canals were lowered*
- Wednesday, Jan. 27:
  - Canals in the urban areas were lowered for pre-storm

*\*Slide from February 2016 Water Resources Advisory Commission*



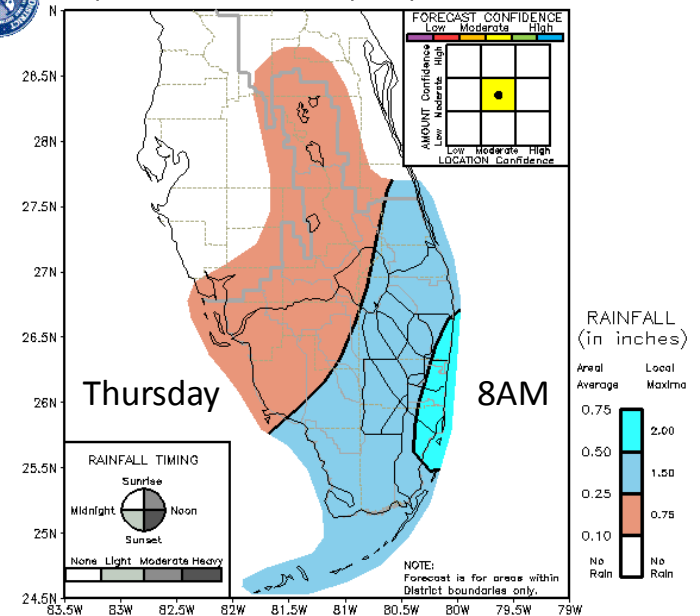
SFWMD QUANTITATIVE PRECIPITATION FORECAST  
Day 2 24-Hour Period Beginning 7am EST WED



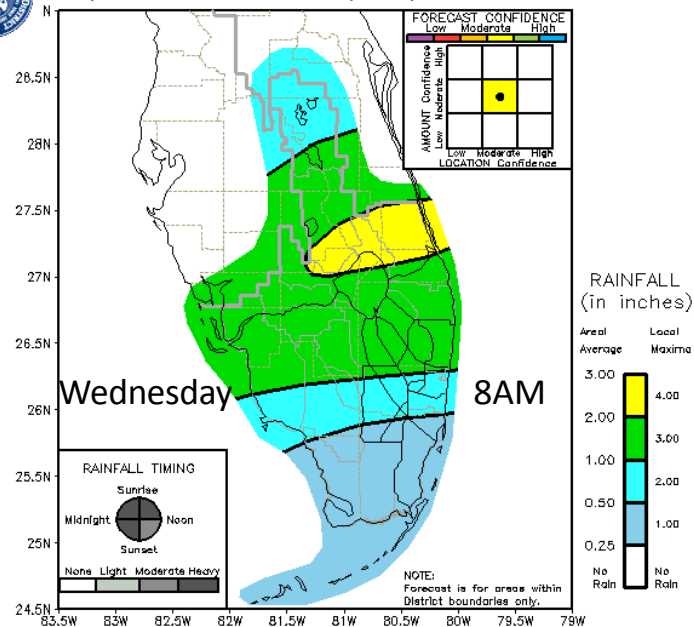
## Tuesday Jan-26 District Rainfall Forecast



SFWMD QUANTITATIVE PRECIPITATION FORECAST  
Day 3 24-Hour Period Beginning 7am EST THU



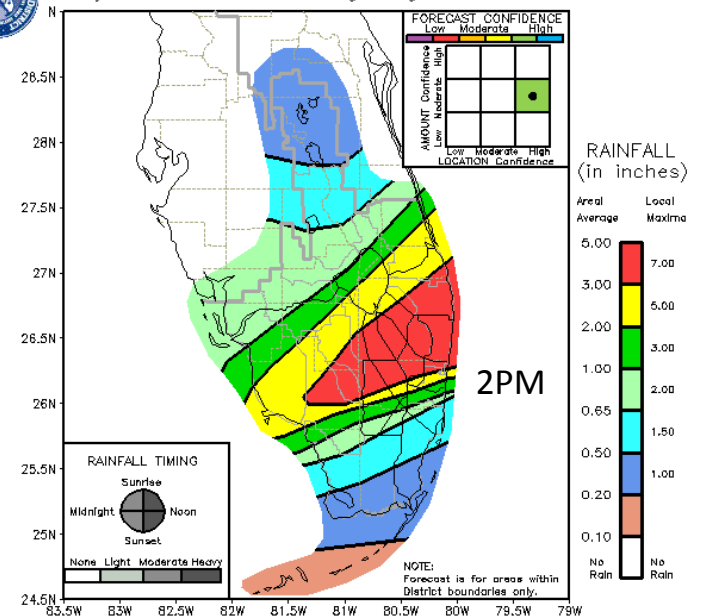
SFWMD QUANTITATIVE PRECIPITATION FORECAST  
Day 1 24-Hour Period Beginning 7am EST WED



## Wednesday Jan-27 District Rainfall Forecast



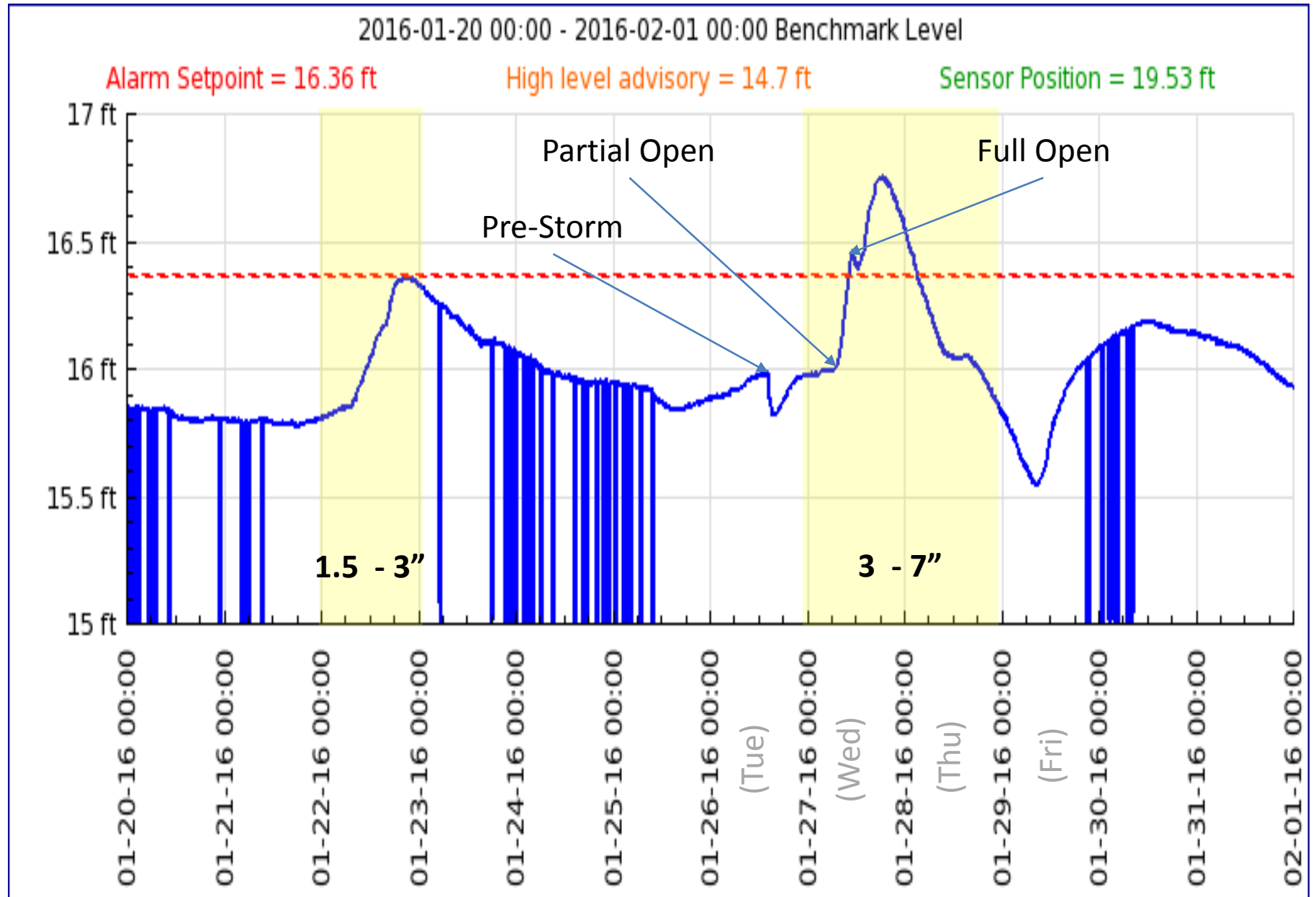
SFWMD QUANTITATIVE PRECIPITATION FORECAST  
Day 1 24-Hour Period Beginning 7am EST WED



*\*Slide from February 2016 Water Resources Advisory Commission*

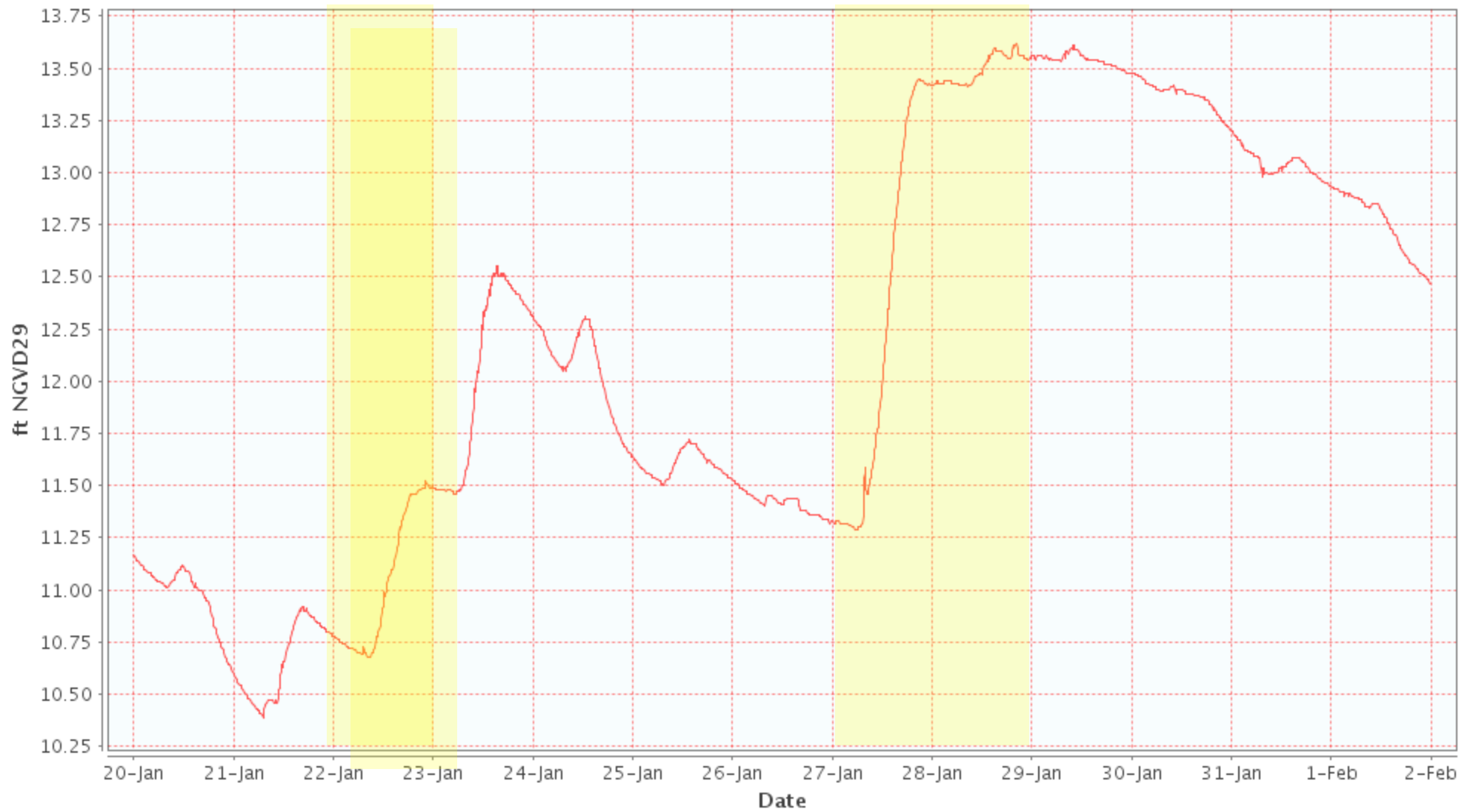


# Lake Worth Rd & E-1



# Everglades Agricultural Area Canal

20-JAN-2016 to 01-FEB-2016



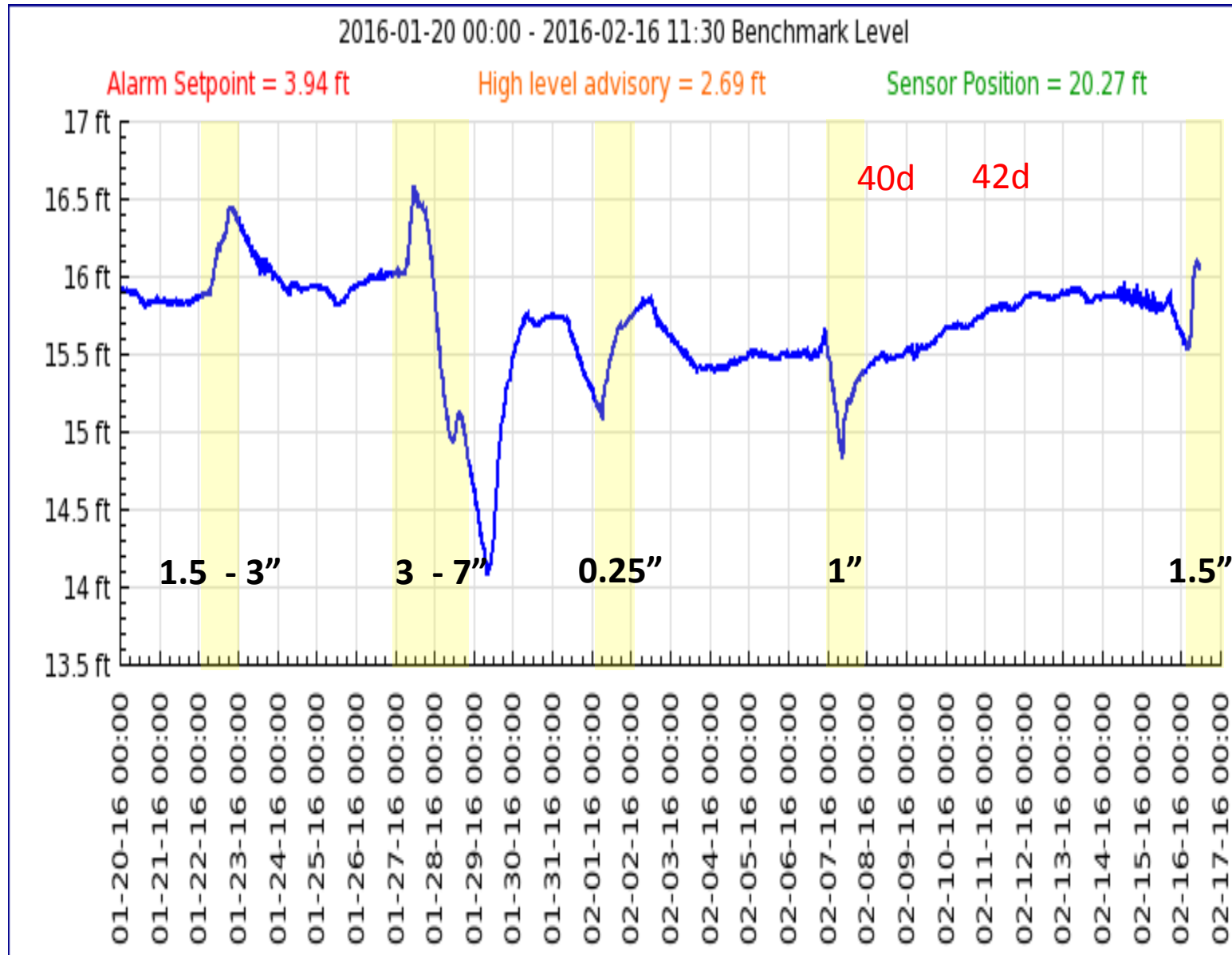


*\*Slide from February 2016 Water Resources Advisory Commission*



*\*Slide from February 2016 Water Resources Advisory Commission*

# C. Stanley Weaver Stages



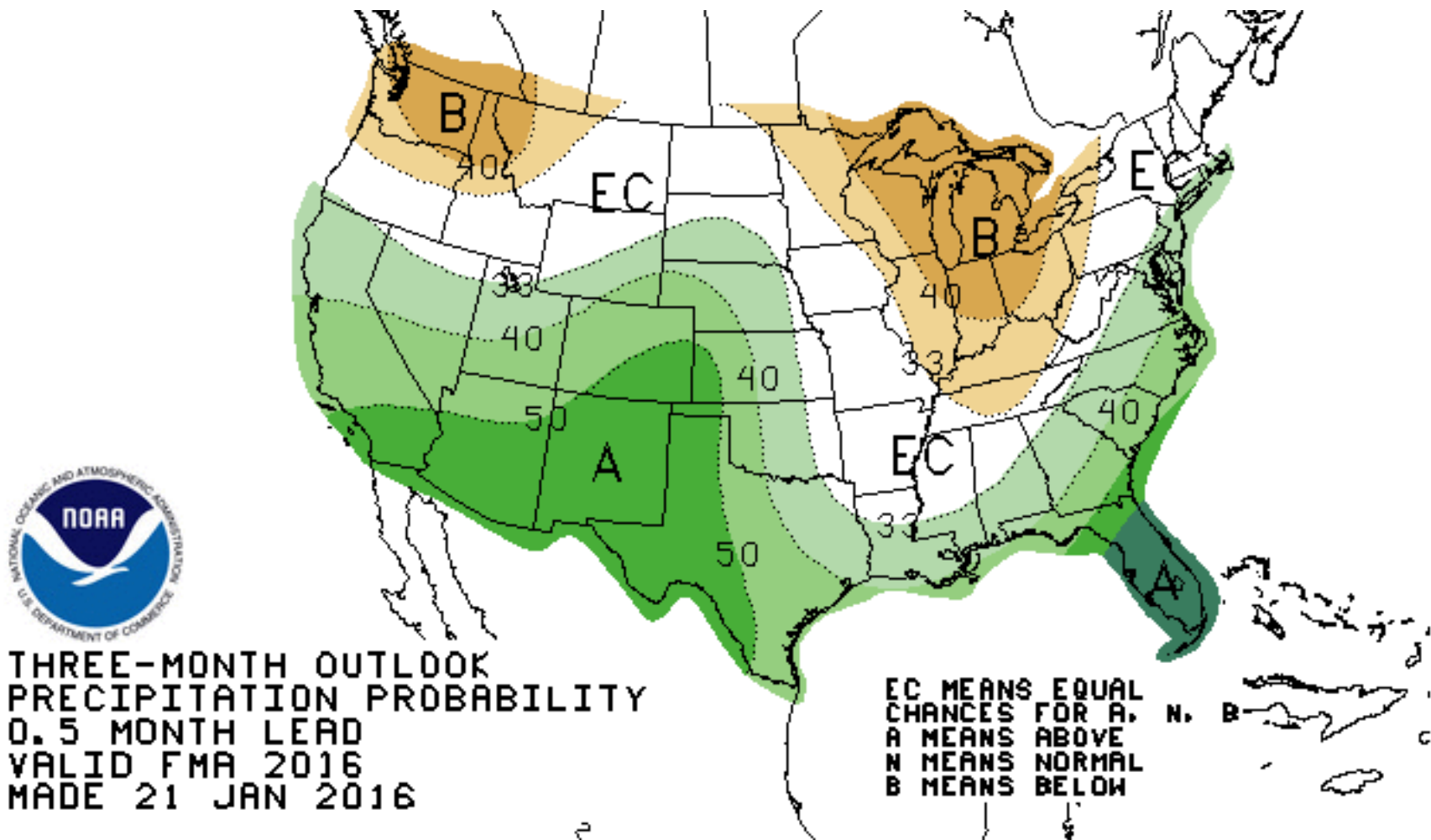


# Regional High Water Conditions

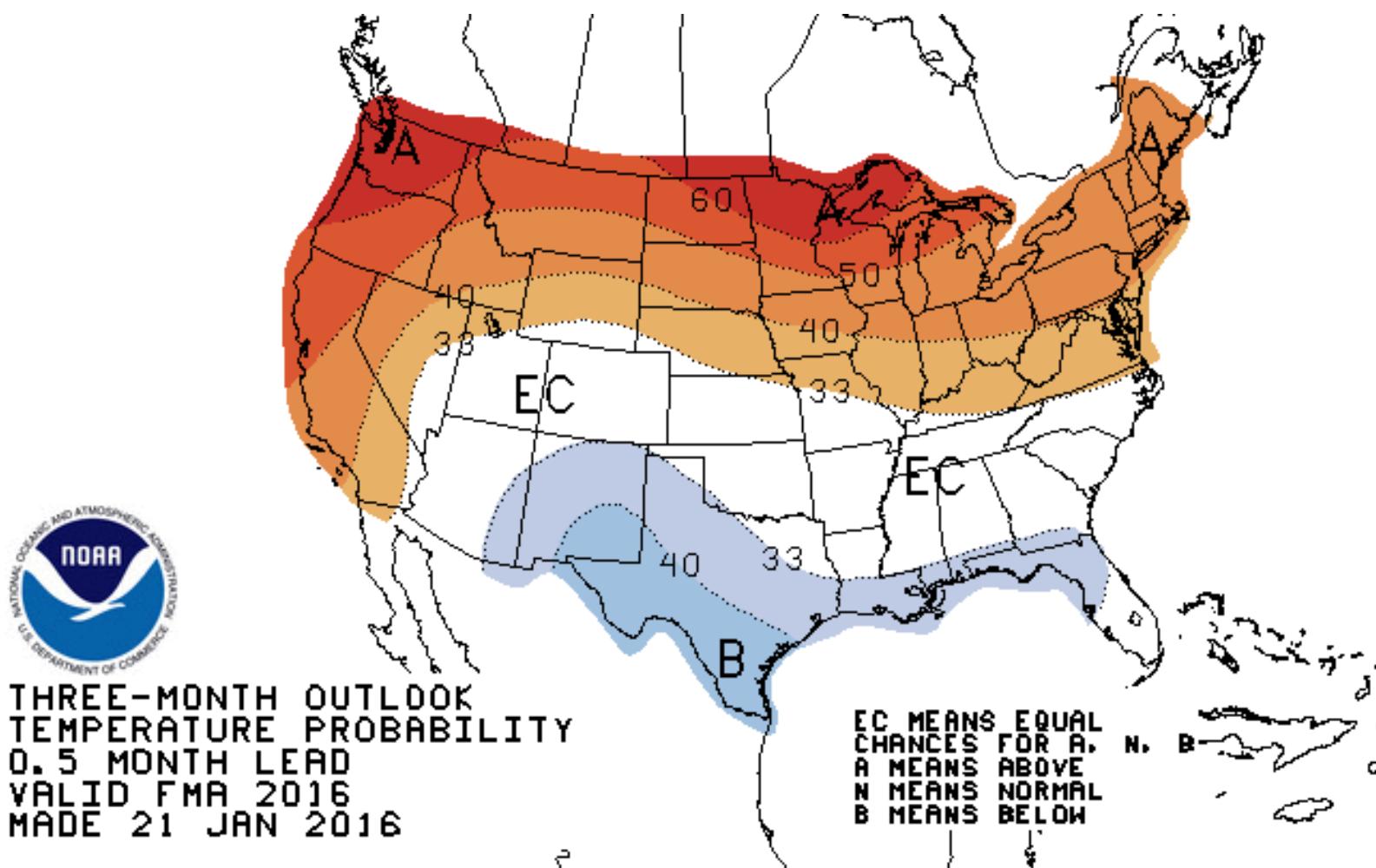


- Unseasonably High Water Regionally
  - Kissimmee River & Chain of Lakes
  - Lake Okeechobee (16.25 ft NGVD)
    - Releases to St. Lucie & Caloosahatchee Estuary
    - Sending Water 'South'
  - Water Conservation Areas
    - Governor's Emergency Order - Increasing discharges to Everglades National Park
    - LWDD assisting by taking 'Pass-Through' water from WCA-1
      - ~250 cfs
      - Will terminate pass-through in advance of rain events
      - Pass-Through will not negatively impact LWDD control levels

# El Nino Rainfall Projections



# El Nino Temperature Projections



# Discussion...

