

Water Conditions Summary

South Florida Water Management District Governing Board Meeting

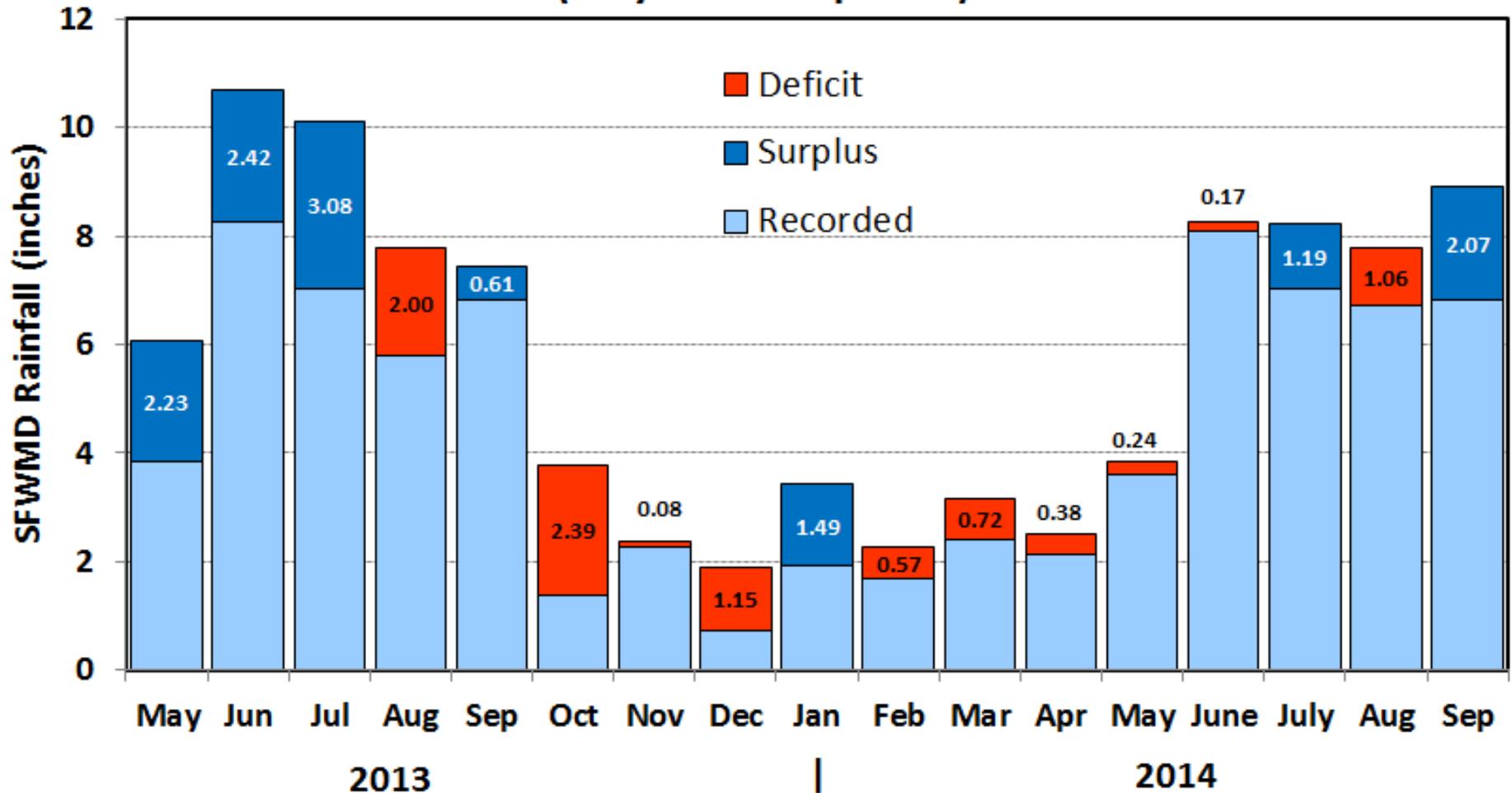
October 9, 2014

Jeff Kivett, PE, Division Director
Operations, Engineering & Construction
South Florida Water Management District

New G-200 Pumps into Holeyland on the downstream side

SFWMD Rainfall Distribution Comparison

(May 2013 - Sep 2014)



2013 WET SEASON:

- May 18th Start
- Oct 8th End
- Slightly above average

2013-14 DRY SEASON:

- January above average
- Dry Season - 92% of average

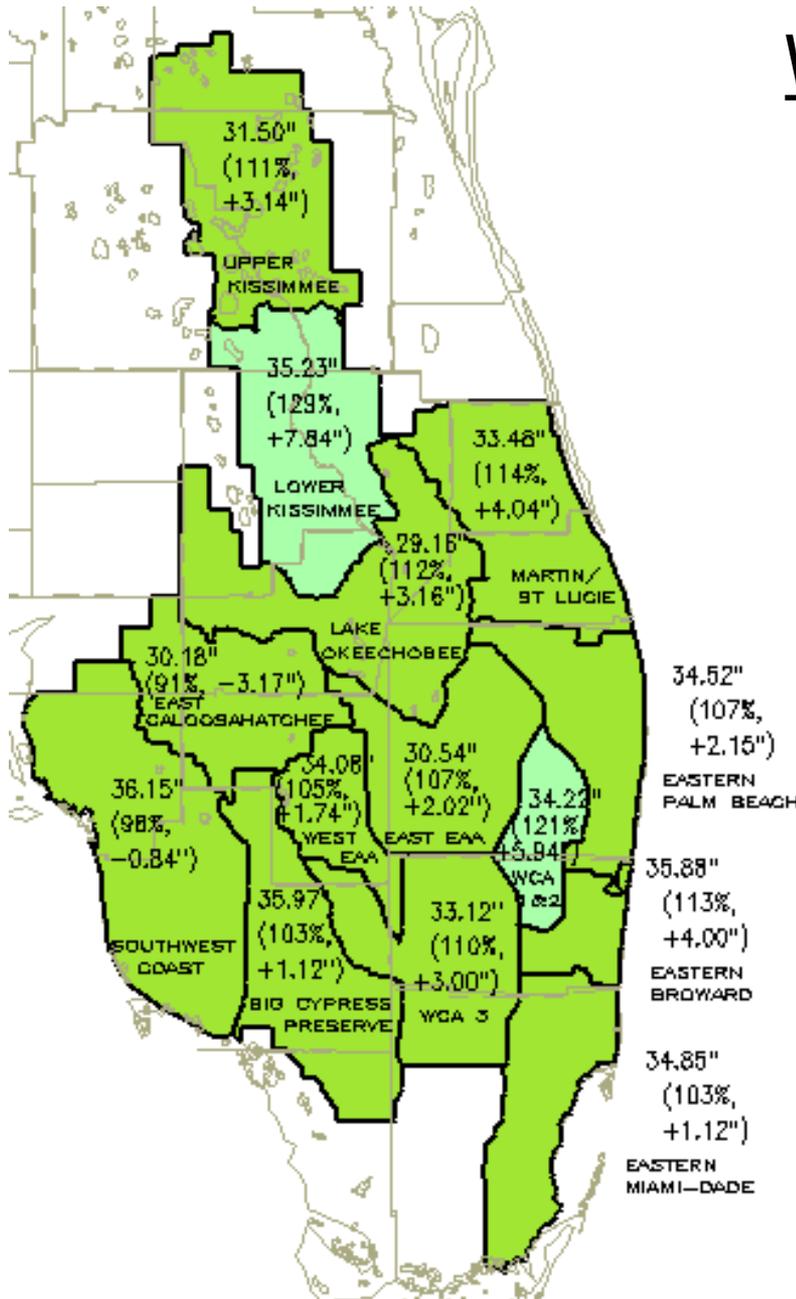
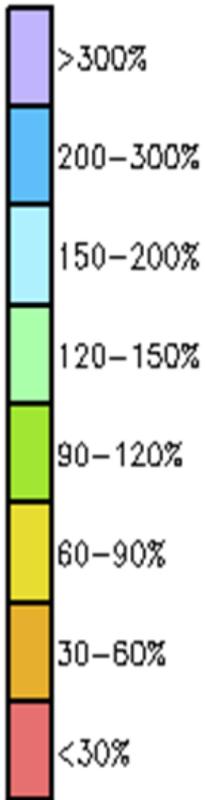
2014 WET SEASON:

- May 27th Start
- Above average

Wet Season Rainfall (to date)

May 27 – Oct 02, 2014

DISTRICT-WIDE: 33.27"
(108% of Avg, or +2.50")



Measured
(% of Avg,
Diff From Avg)

- All basins but two are close to average rainfall (90-120%)
- Lower Kissimmee is the largest above average with 129%
- Southwest Coast is 98% average rainfall
- Caloosahatchee basin is 91% average rainfall

Kissimmee Lakes at or slightly above regulation schedule.

District wide rainfall above average for September 2014

Lake O water levels increased by about 0.9 ft. for September. Lake stage remains in the Low Sub-band.

Maximum practicable Lake O regulatory releases to WCAs through the STAs continued as capacity was available. Stopped as releases became harmful to WCAs

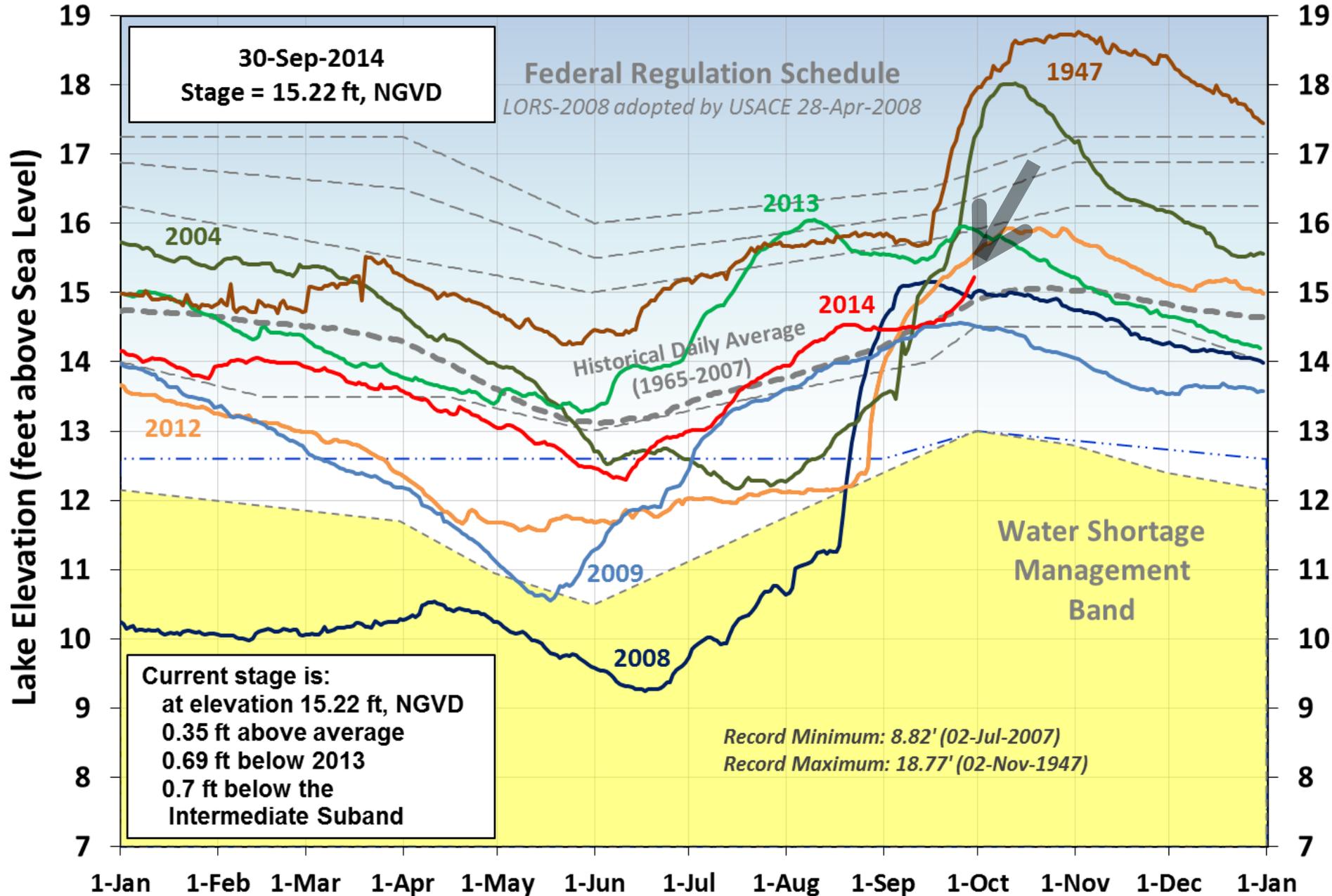
Proactively moving water through the WCAs. Some going to ENP and some to coastal canals. Flow to NESRS stopped on Sep. 13.

Typical wet season discharge to tide from the Lower East Coast developed area

Stages in WCAs: WCA-1 in Zone A-2. WCA-2A and WCA-3A are above their respective schedules. USACE is making regulatory releases from WCA2 and WCA3A.

BCB area canals are transitioning from wet season to dry season operating criteria.

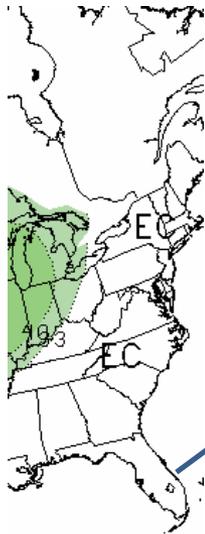
Lake Okeechobee Water Level Comparison



U. S. Seasonal Precipitation Outlook

National Climate Prediction Center (CPC)

Oct 2014



33%

Posted 30-Sep-2014

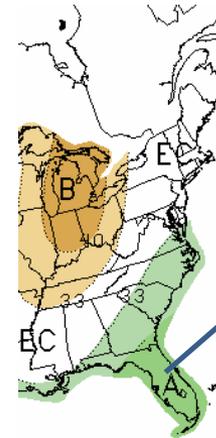
Oct-Dec 2014



37-40%

Posted 18-Sep-2014

Dec 2013 – Apr 2014



37-40%

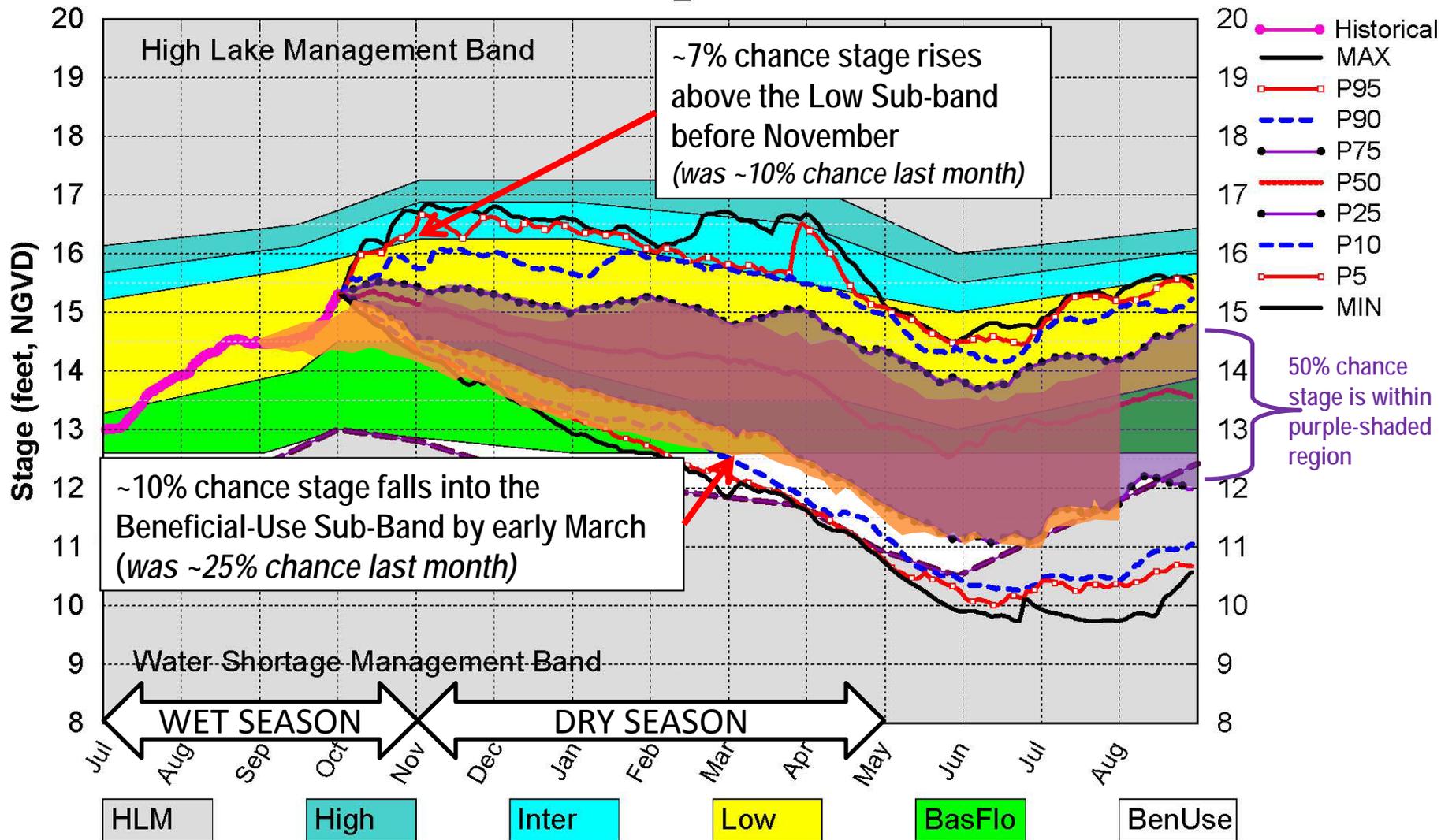
Posted 18-Sep-2014

The most-recent CPC precipitation outlooks for central & southern Florida indicate:

- Equal Chances (EC) for Above-Normal (A), Normal, and Below-Normal (B) rainfall for October
- Increased chances for Above-normal (A) rainfall for all 3-month windows starting with September and ending with April 2015.

Lake Okeechobee SFWMM September 1, 2014 Dynamic Position Analysis

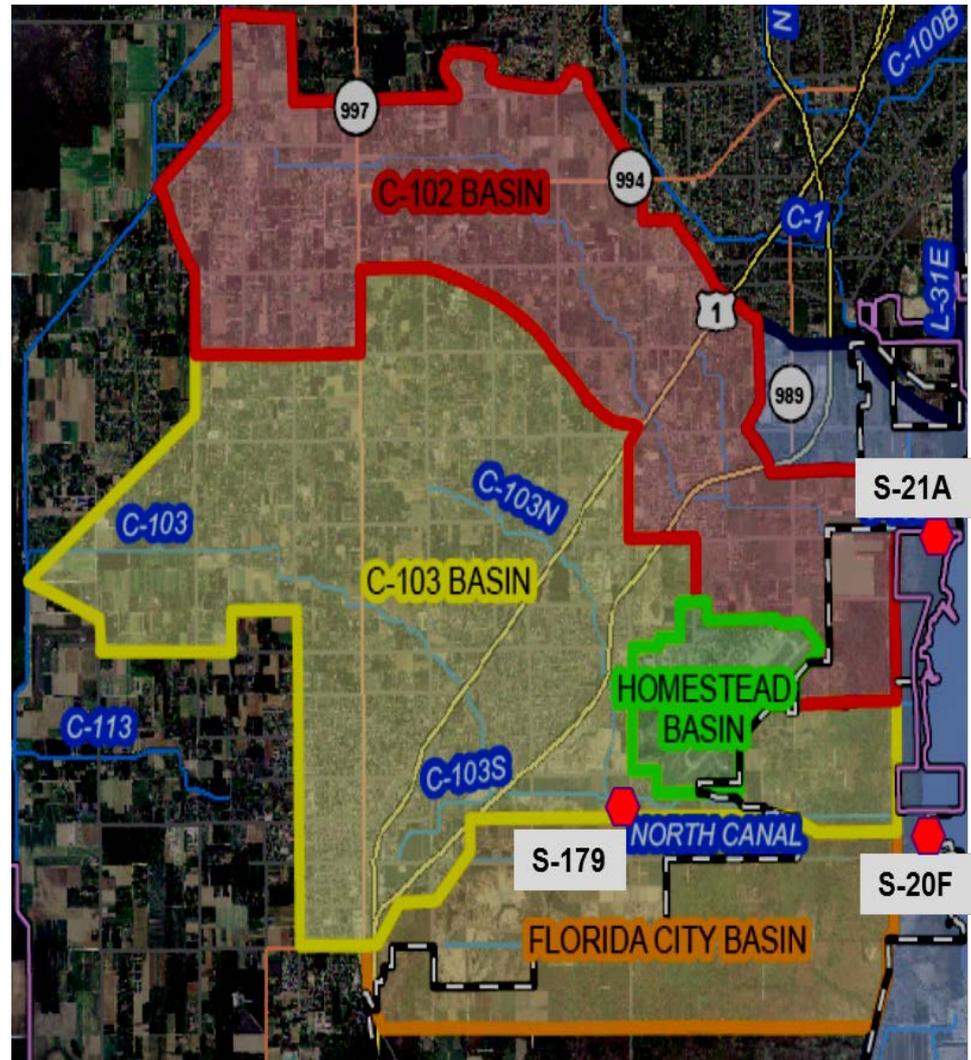
Percentiles based on 41 possible outcomes starting with August 1st initialization



(See assumptions on the Position Analysis Results website)

2014 -2015 South Miami-Dade Seasonal Agricultural Operations

- Based on field conditions and groundwater levels, the District will proceed with the canal drawdown in South Dade County on October 15th
- Consider nearshore Bay salinity and groundwater conditions when shifting operational ranges in winter/spring season



Questions?

