

Water Conditions Summary

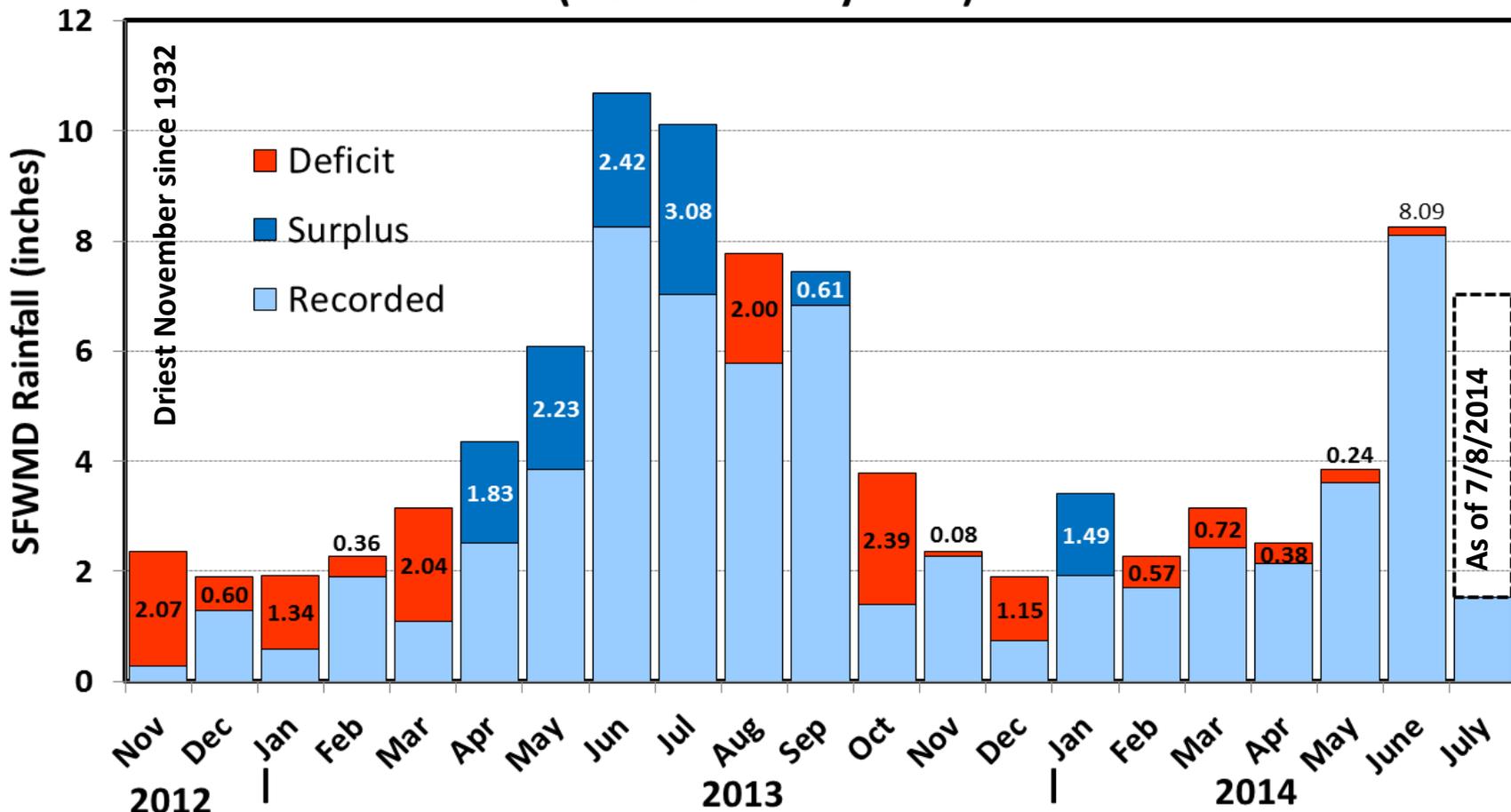
South Florida Water Management District Governing Board Meeting

July 10, 2014

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

SFWMD Rainfall Distribution Comparison

(Nov 2012 - July 2014)



2012-13 DRY SEASON:

- Driest November since 1932
- Below average despite April/May being above

2013 WET SEASON:

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

2013-14 DRY SEASON:

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

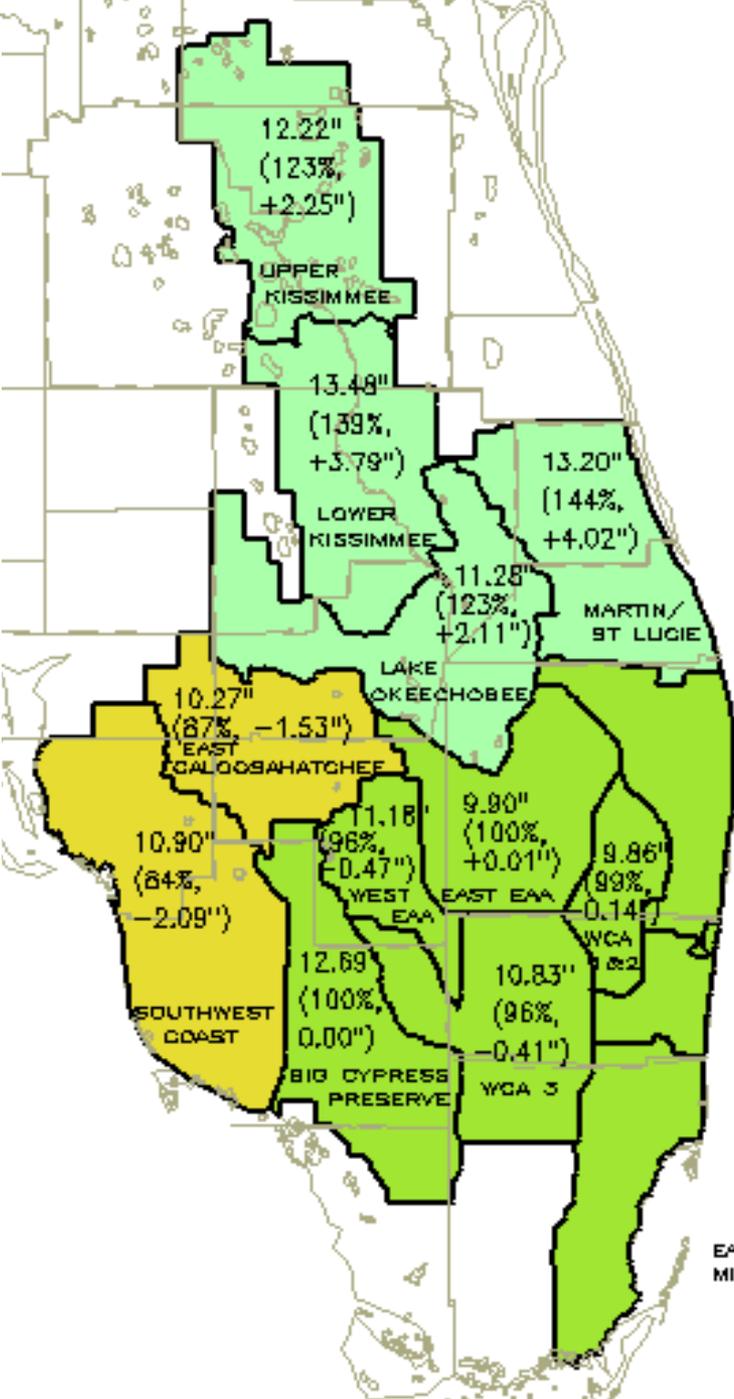
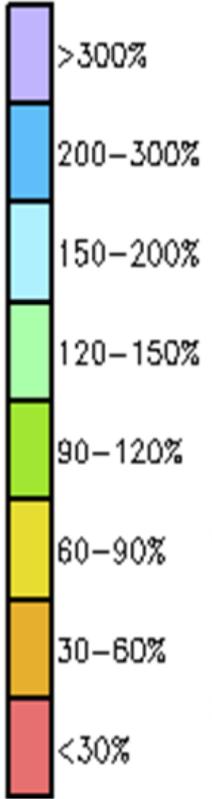
2014 WET SEASON:

- May 26th Start

Wet Season Rainfall (to date)

May 27 – Jul 9, 2014

DISTRICT-WIDE: 11.67"
(108% of Avg, or +0.85")



11.85" (108%, +0.85")
EASTERN PALM BEACH

11.57" (101%, +0.11")
EASTERN BROWARD

12.84" (109%, +1.03")
EASTERN MIAMI-DADE

Measured (% of Avg, Diff From Avg)

- Above-average rainfall in the Upper and Lower Kissimmee basins and Martin/St. Lucie counties
- Below-average rainfall in the Southwest Coast, and East Caloosahatchee basin

Kissimmee Lakes rising and all but Lake Hart are below regulation schedule

District wide rainfall close to average for June 2014

Lake O water levels slowly rising and remain in the Baseflow Sub-band. USACE continues baseflow releases via the Caloosahatchee River.

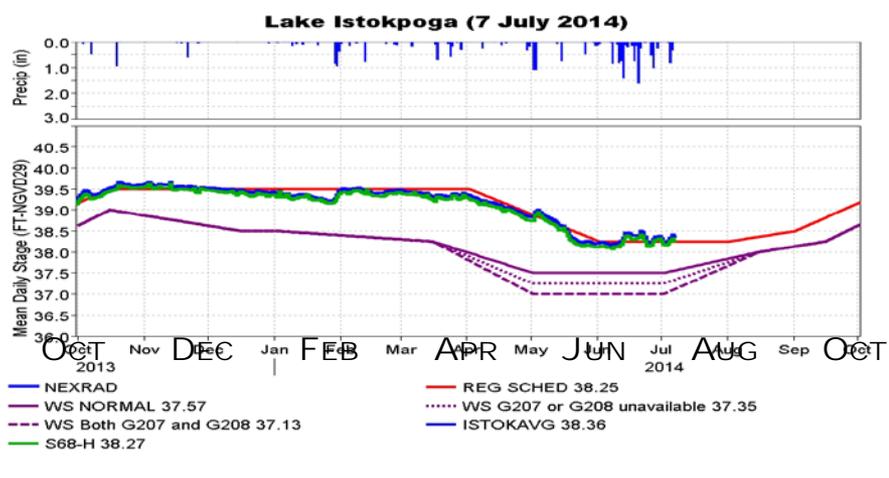
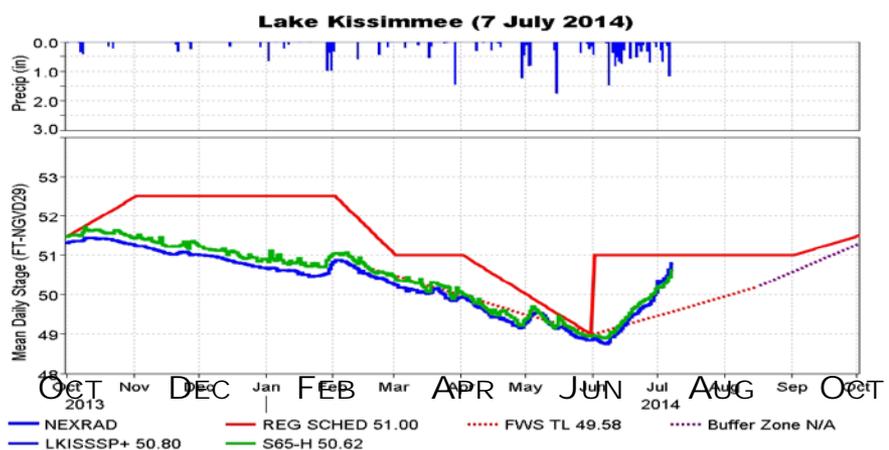
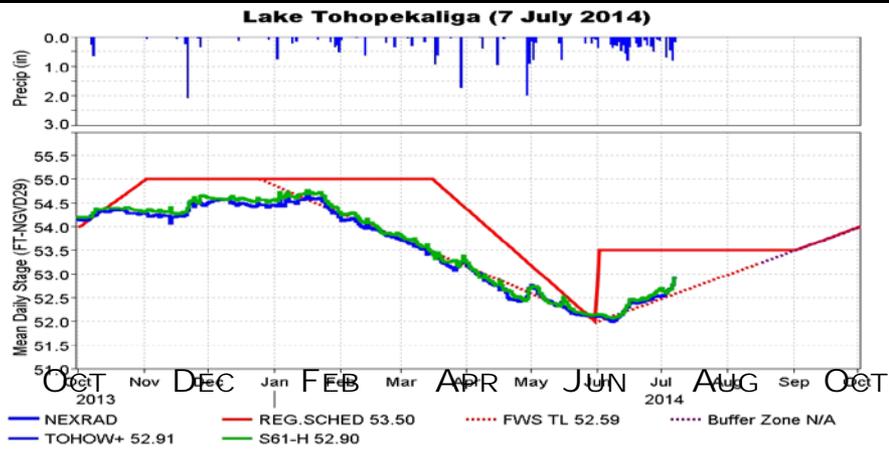
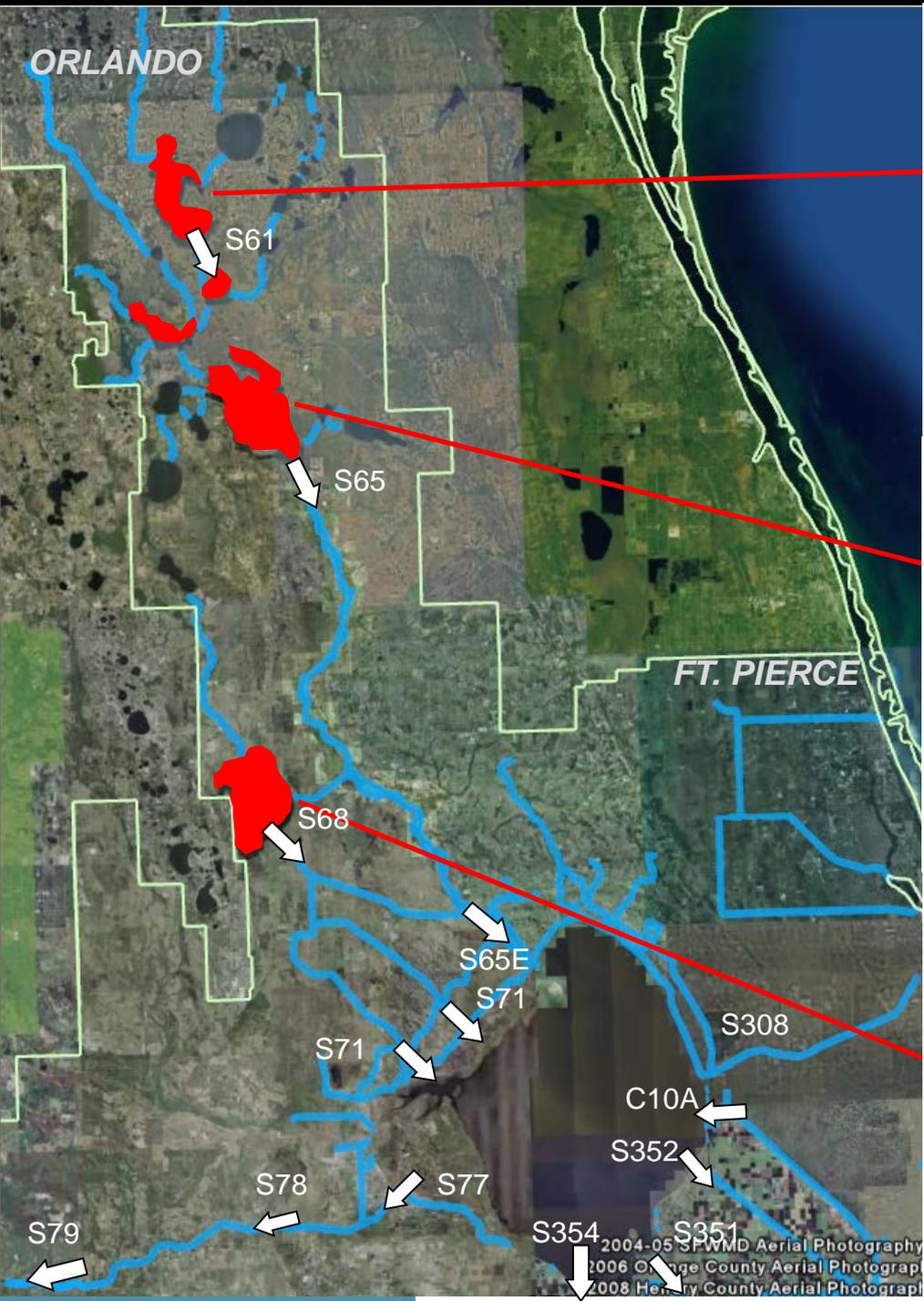
WCA Stages & Schedules USACE making regulatory releases from all WCAs

Maximum practicable Lake O regulatory releases to WCAs through the STAs continue when capacity is available.

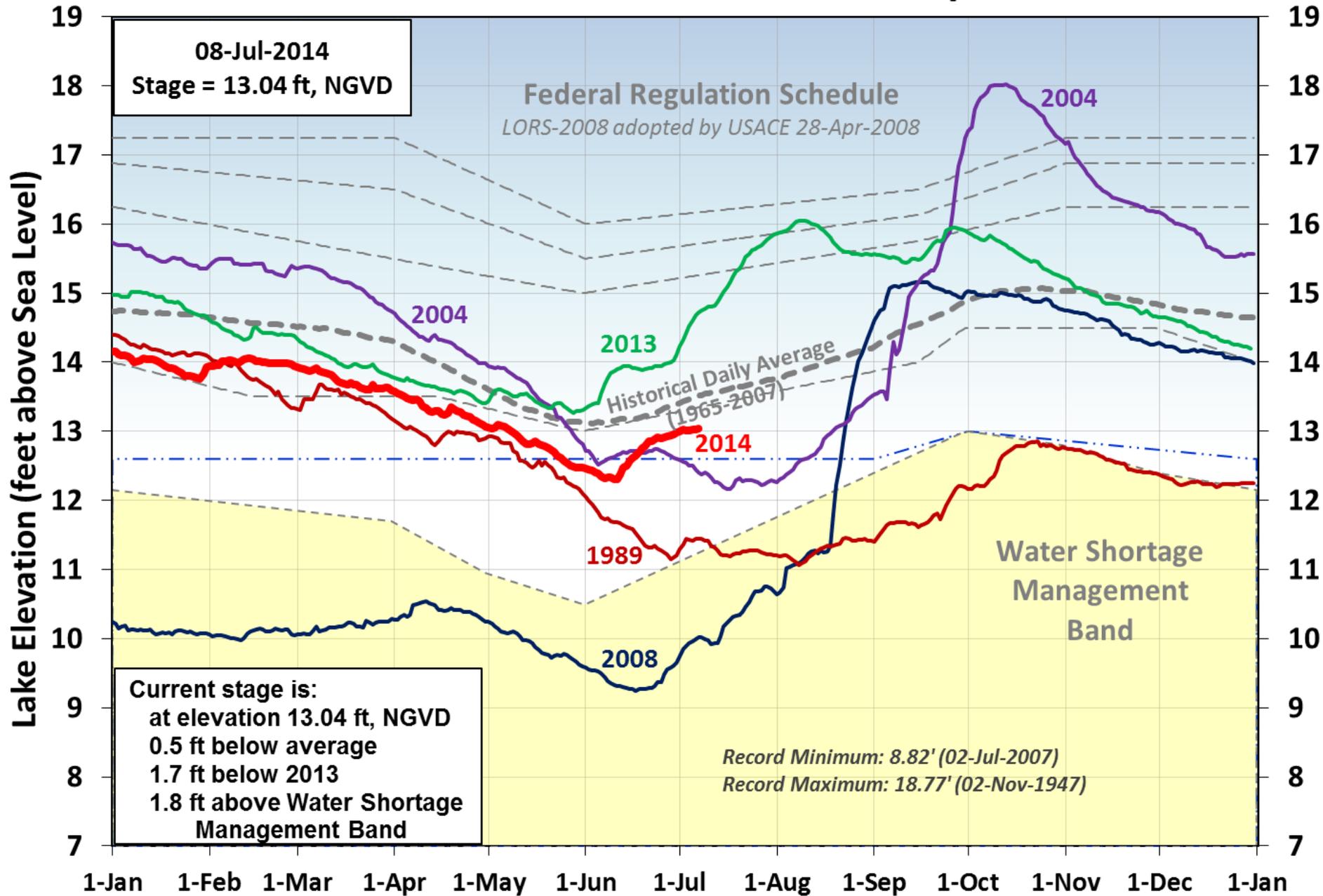
BCB area Canals transitioned to wet season operating criteria.

Proactively releasing water from WCAs through coastal canals as rainfall has kept WCAs above schedule.

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



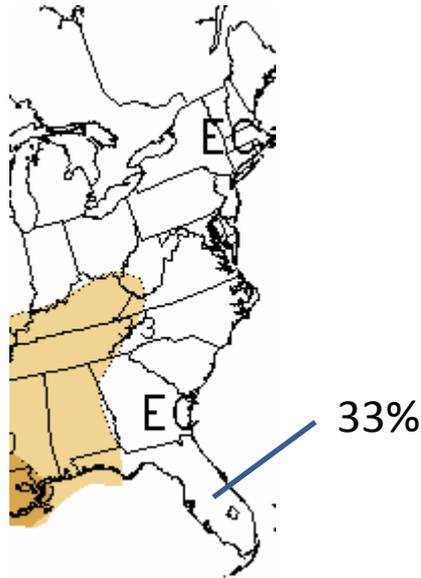
Lake Okeechobee Water Level Comparison



U. S. Seasonal Precipitation Outlook

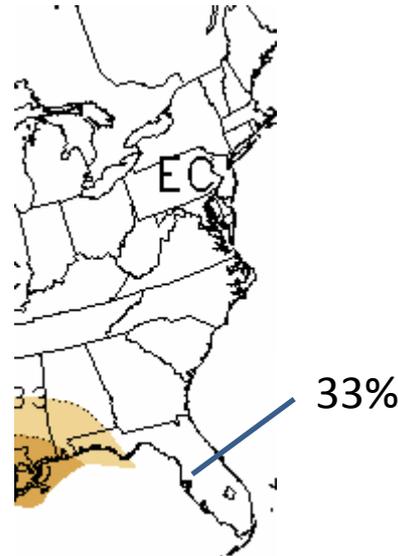
National Climate Prediction Center (CPC)

July 2014



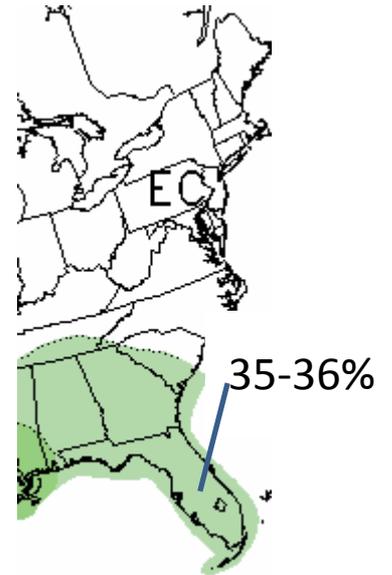
Posted 30-Jun-2014

Jul-Sep 2014



Posted 19-Jun-2014

Oct-Dec 2014

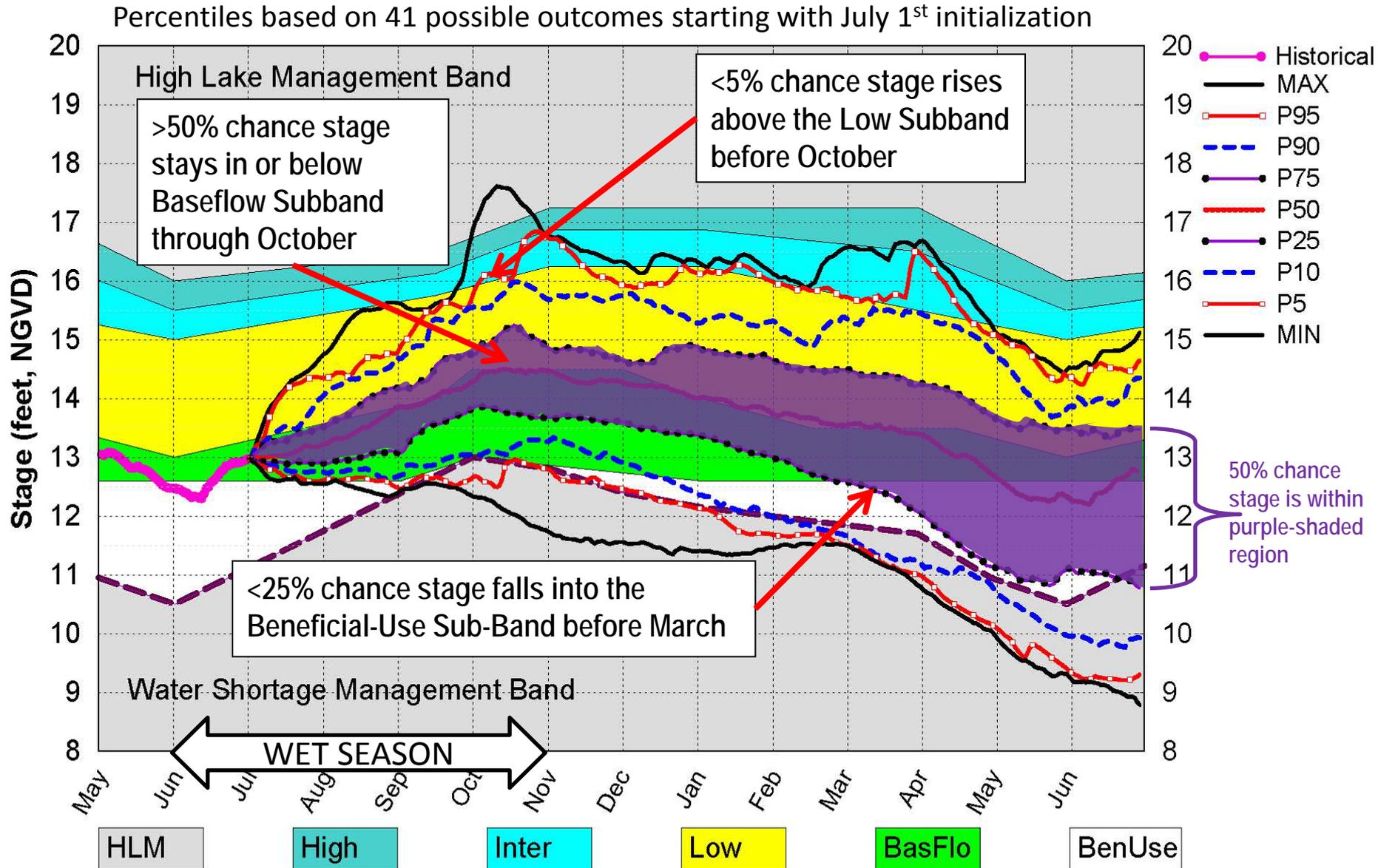


Posted 19-Jun-2014

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 July and for the July-Sep period
- Increased chances for Above-normal (A) rainfall for all 3-month windows starting with September and ending with April 2015.

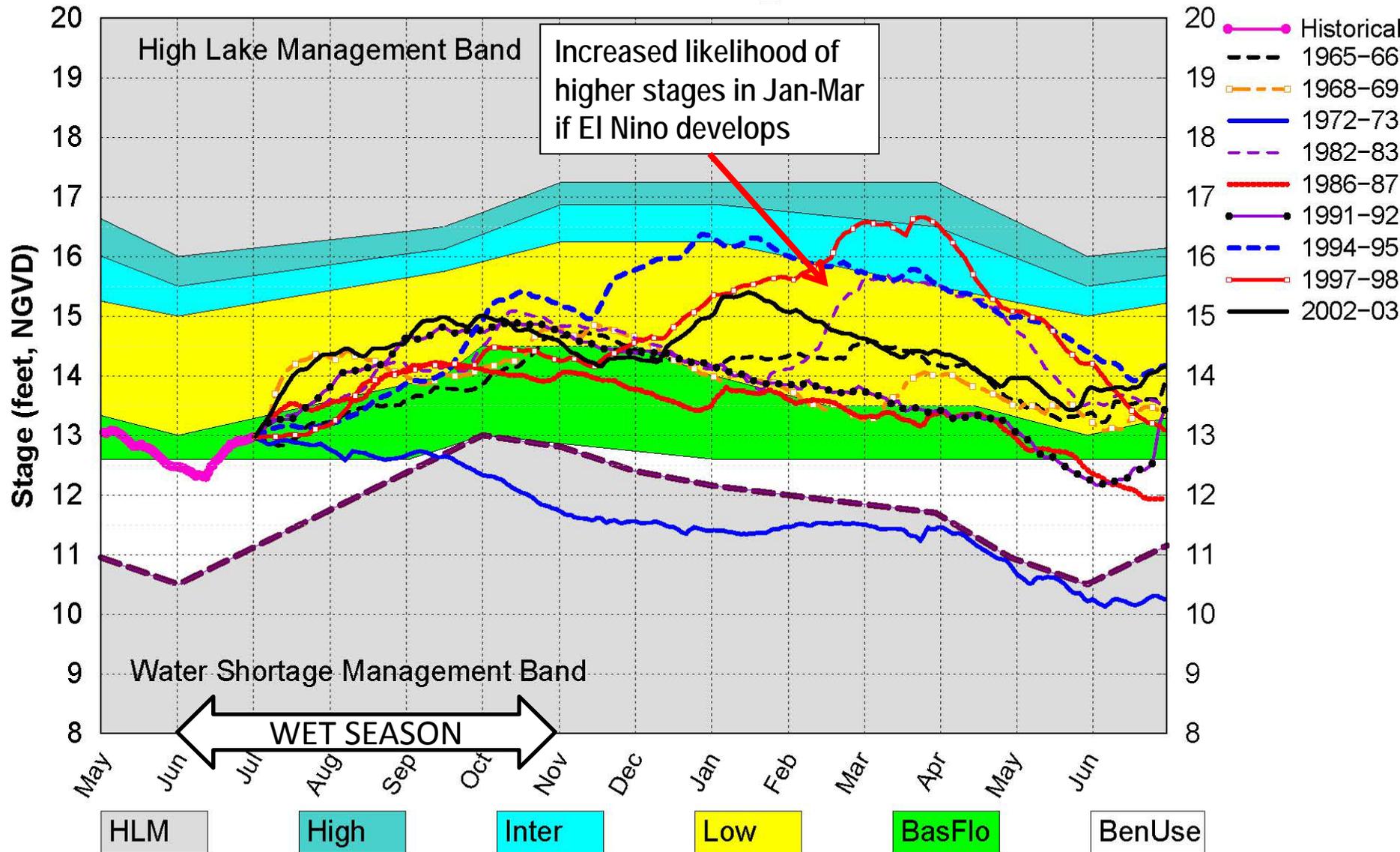
Lake Okeechobee SFWMM July 2014 Position Analysis



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM July 2014 Position Analysis

All El Nino Years Plot PA_V26



(See assumptions on the Position Analysis Results website)

Questions?



STA 3 / 4 – Cell 2A – area plated with Bullrush & Alligator-flag - June 19 2014