

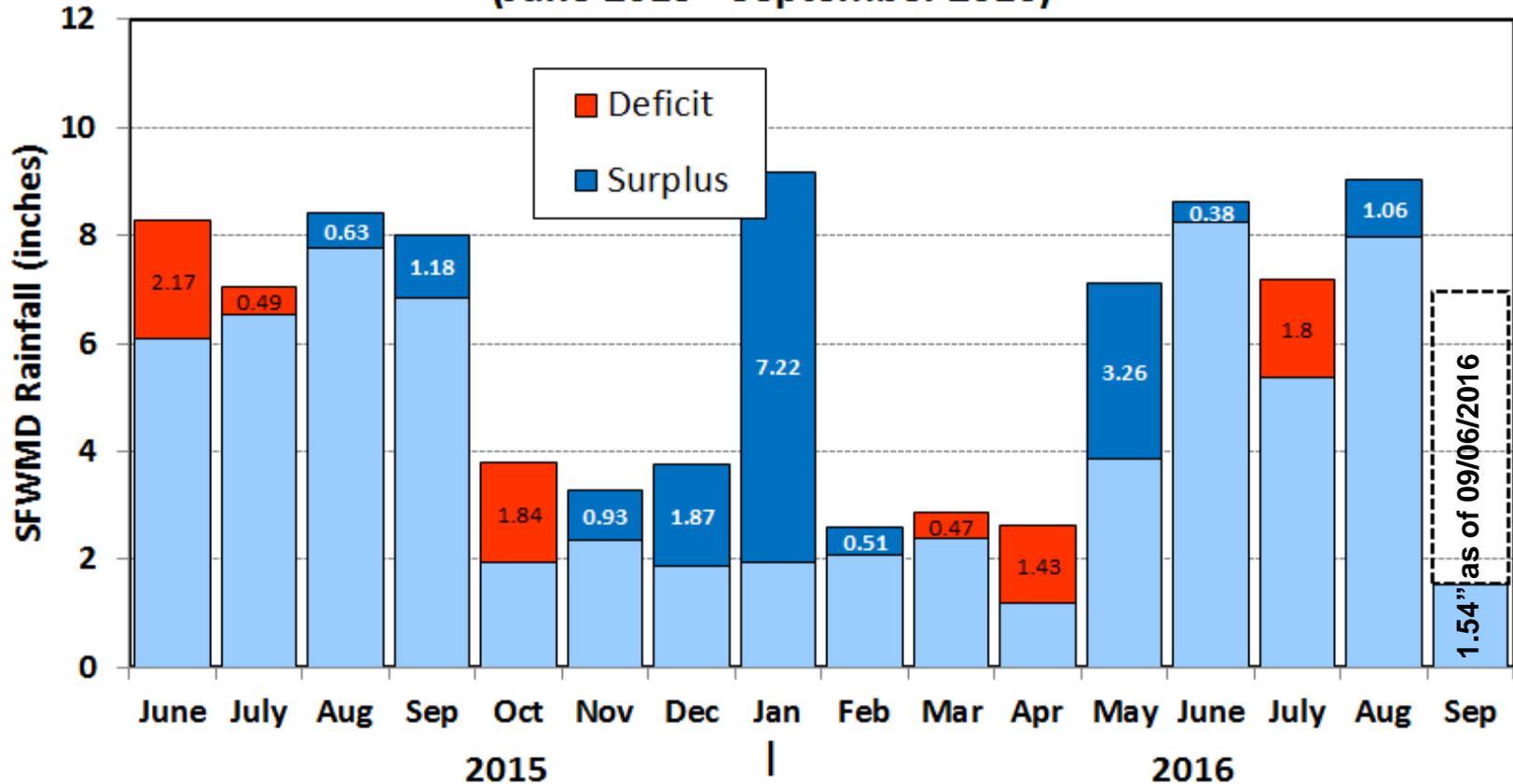
# Water Conditions Summary

South Florida Water  
Management District  
Governing Board Meeting  
September 8, 2016

John P. Mitnik, PE  
Division Director  
Operations, Engineering and Construction

# SFWMD Rainfall Distribution Comparison

(June 2015 - September 2016)



### 2015 WET SEASON:

- Driest May-July since 2004
- Ended below average

### 2015-16 DRY AND 2016 WET SEASON:

- Nov 2015-Jan 2016 wettest since 1932
- Jan 2016 wettest since 1932
- Second wettest May since 1976
- Dry season 2015-16 168% above average
- 2016 Wet season is average

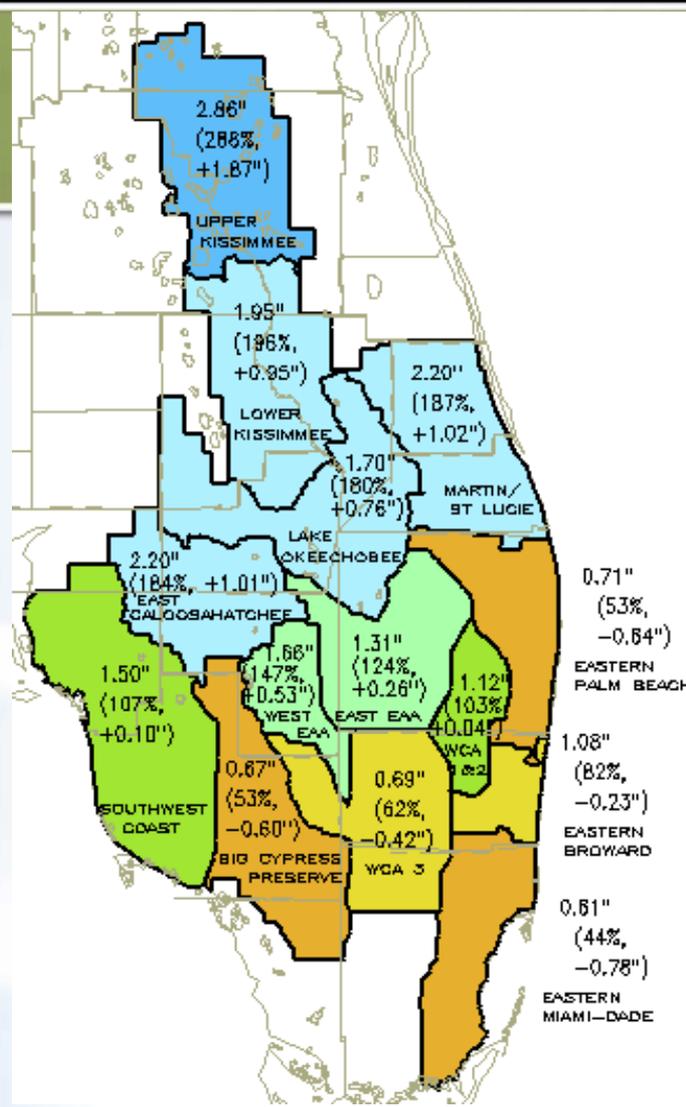
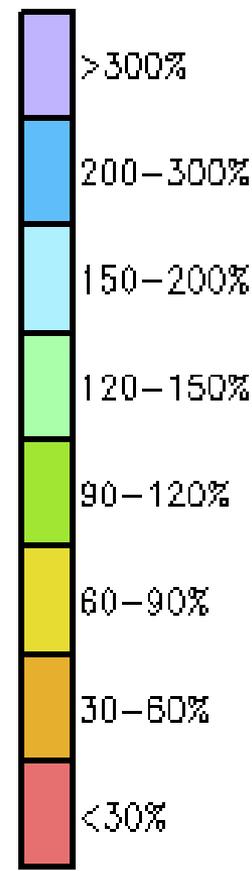
# SFWMD

## Sep 2016 Rainfall

(02-Sep to 06-Sep-2016)

**DISTRICT-WIDE: 1.54"**  
**133% of Avg, or +0.38"**

- District wide September 2016 rainfall is above average, mostly from the impact of TD9 (Tropical Storm Hermine)
- LEC areas, WCA-3A and Big Cypress Preserve are below Normal



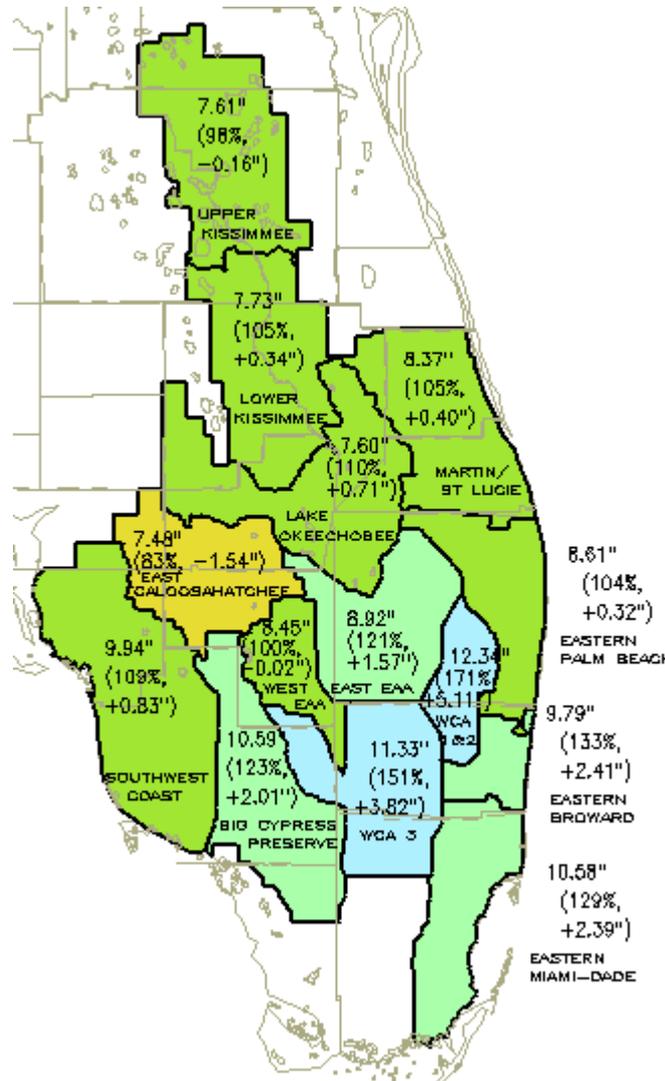
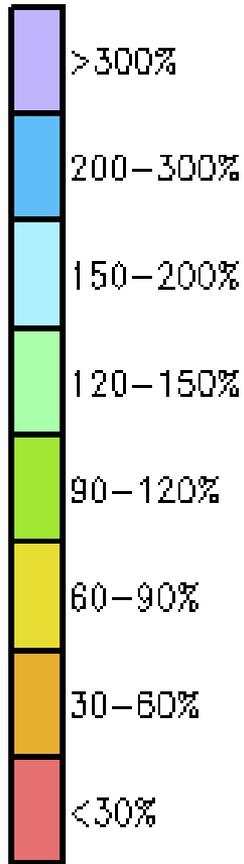
Measured  
 (% of Avg,  
 Diff From Avg)

# SFWMD

## August 2016 Rainfall

(02-Aug to 01-Sep-2016)

**DISTRICT-WIDE: 9.04"  
113% of Avg, or 1.06")**

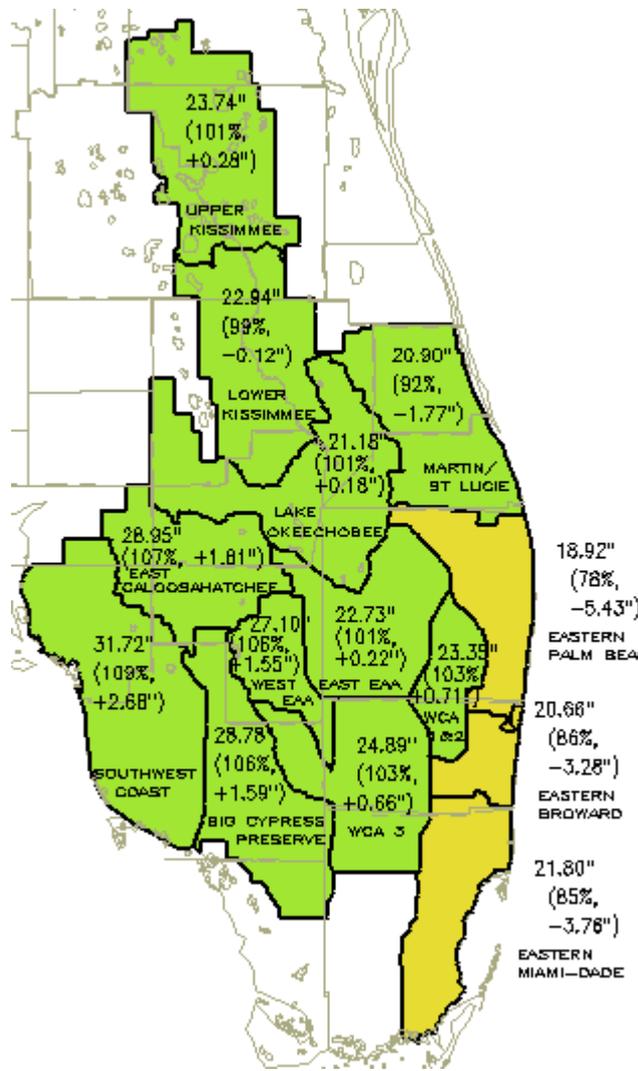
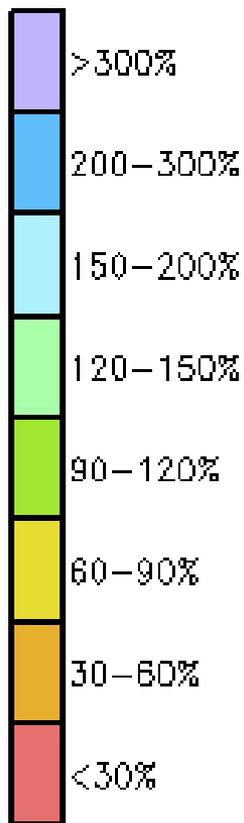


- All the areas but Upper Kissimmee, East Caloosahatchee and West EAA had above-average rainfall for August 2016
- WCAs has the largest rainfall surplus for the month of August 2016, more than 150% above-average
- Approximately 3" fell on the last 7 days of August

Measured  
(% of Avg,  
Diff From Avg)

# SFWMD 2016 Wet Season Rainfall

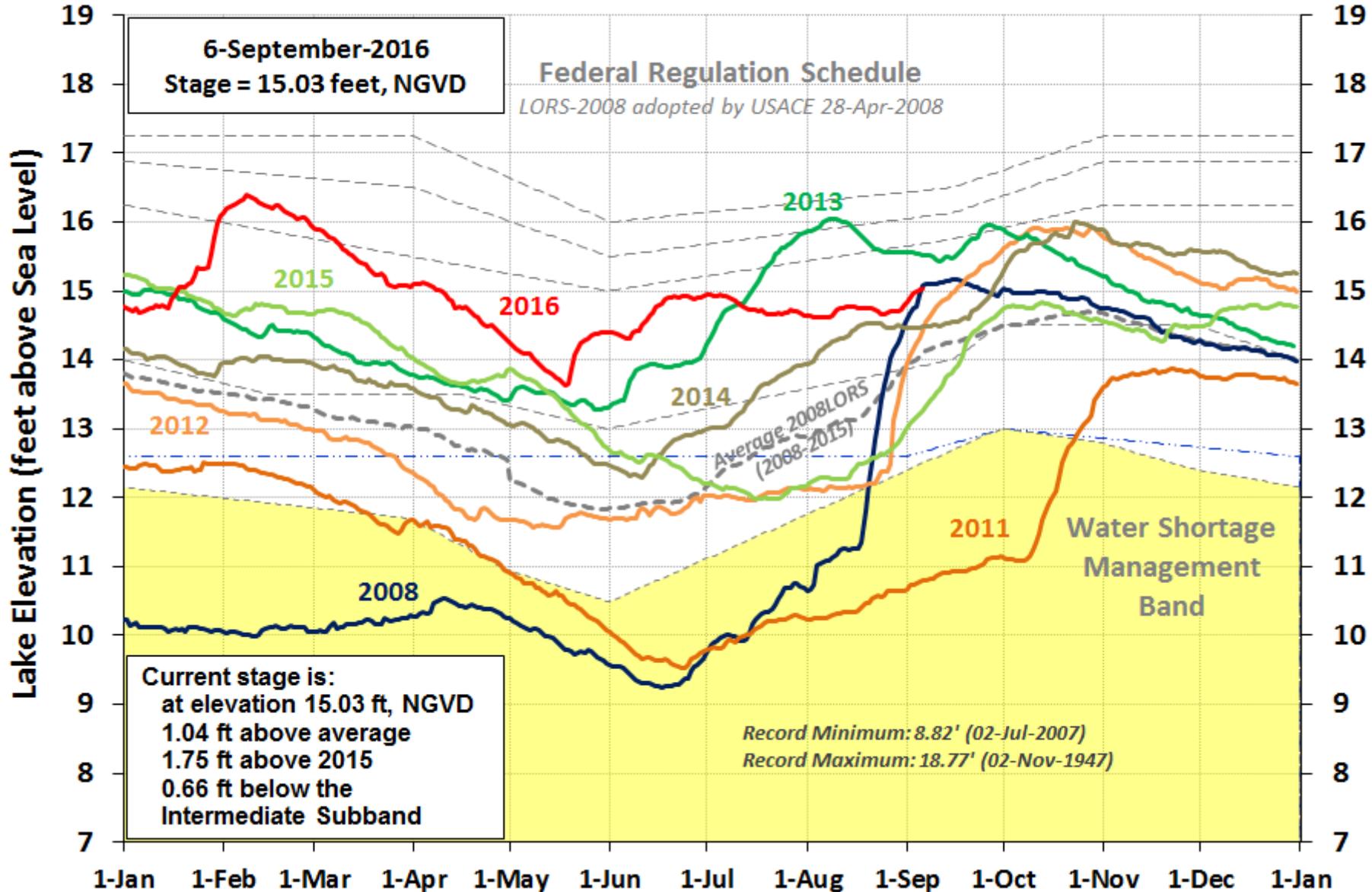
(02-Jun-2016 to 06-Sep-2016  
**DISTRICT-WIDE: 24.59"**  
**100% of Avg, or +0.02"**)

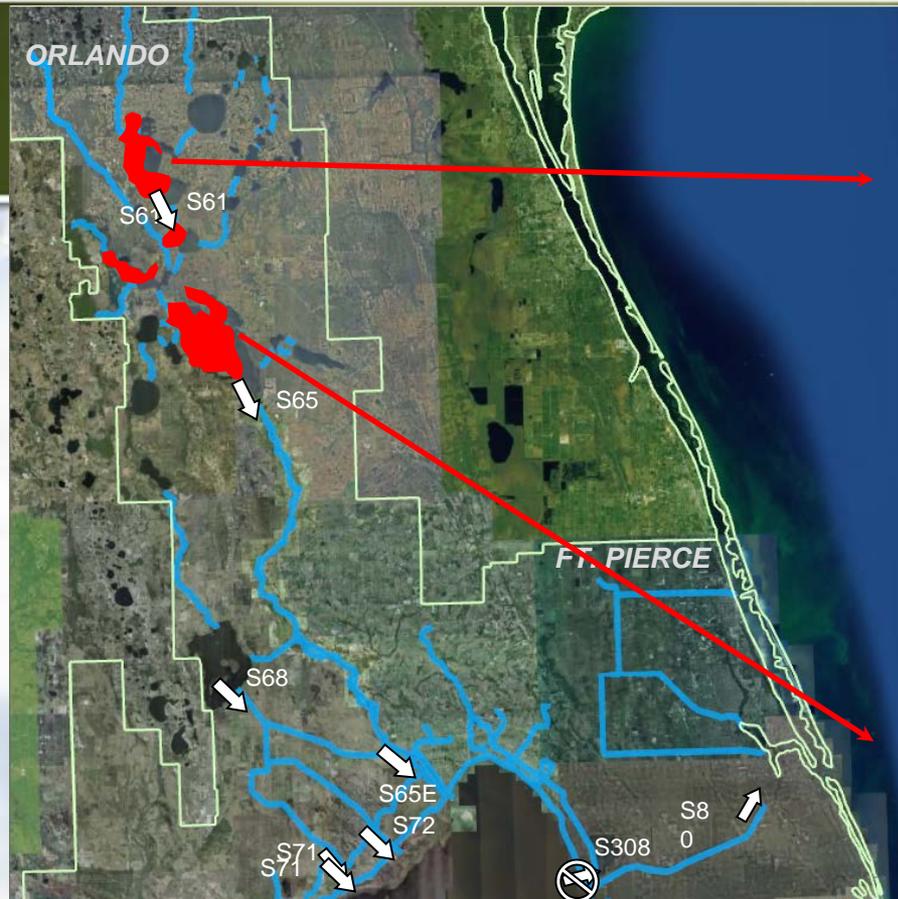


- 2016 wet season District rainfall up to date is average
- Rainfall for areas in the LEC is noticeable below normal
- All other rainfall areas are above normal, with exception of Lower Kissimmee (99% of average)

Measured  
(% of Avg,  
Diff From Avg)

# Lake Okeechobee Water Level Comparison





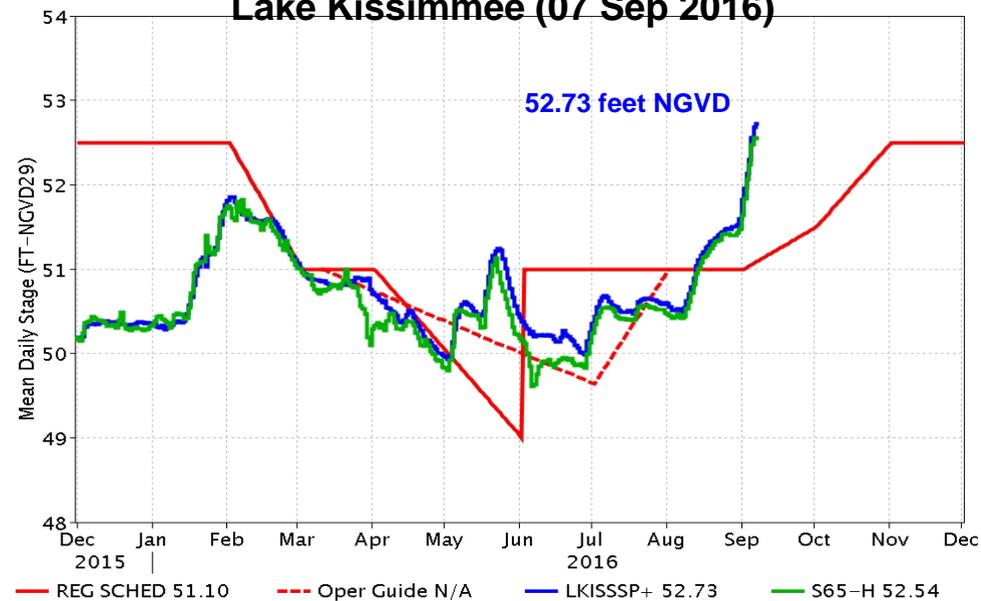
### Kissimmee Basin

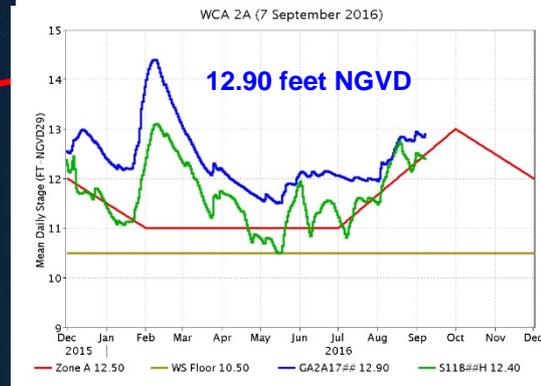
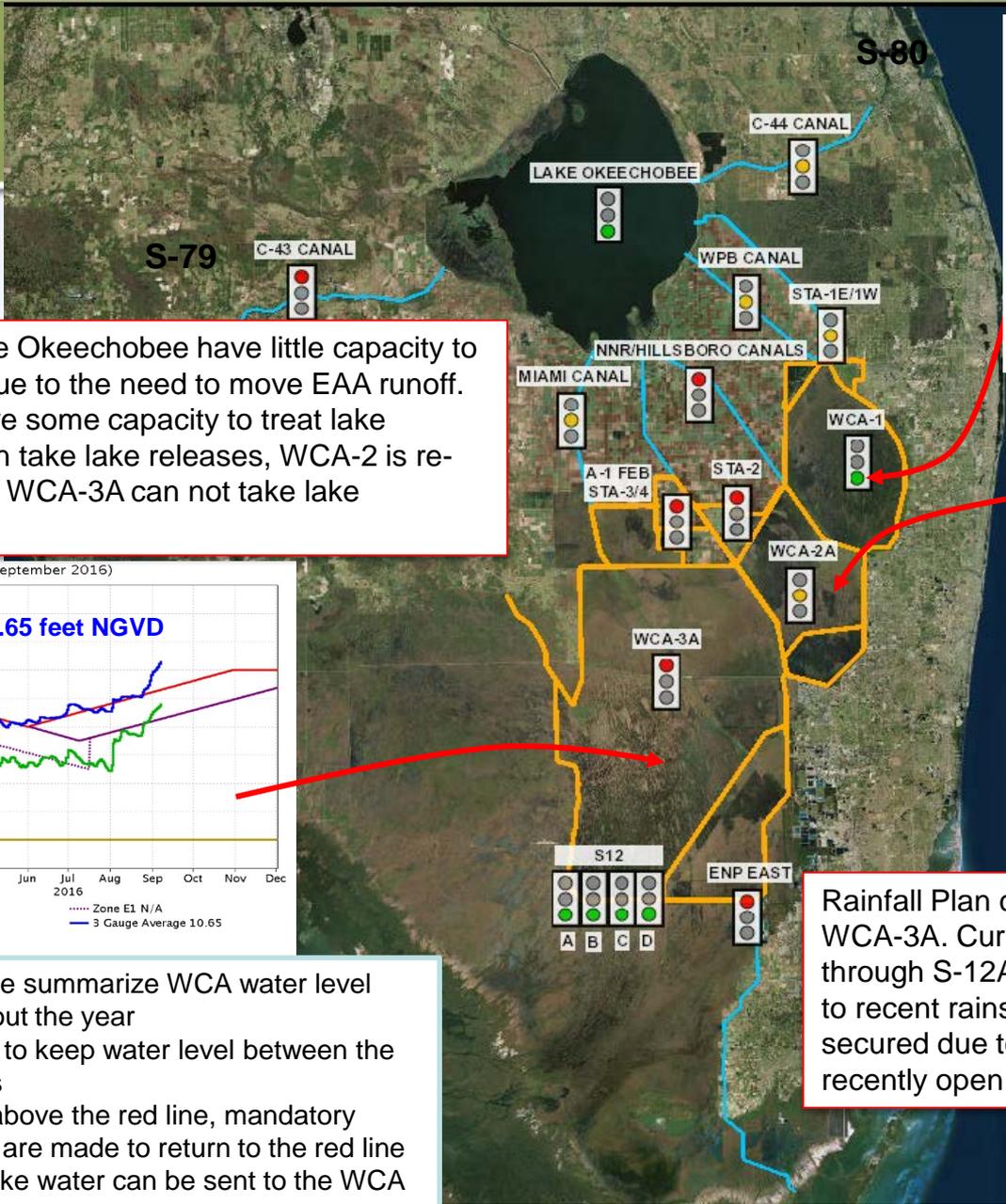
- Stages at Kissimmee-Cypress-Hatchineha are ~1.6 ft above schedule
- Stages at East Toho and Toho are ~ 0.2 ft above regulation schedule
- Stages for all other lakes are very close to their respective regulation schedules
- Discharge at S65 is about 4,000 cfs

### Lake Tohopekaliga (07 Sep 2016)

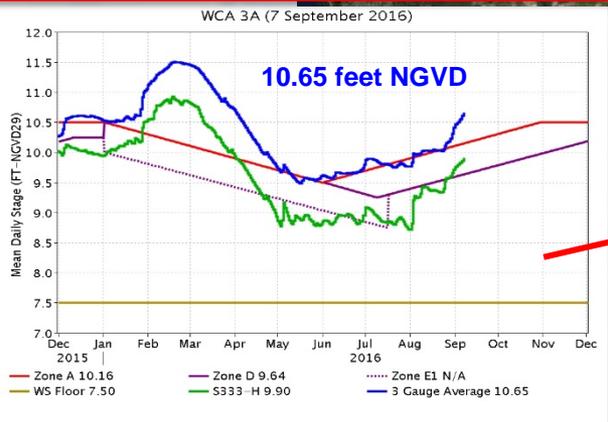


### Lake Kissimmee (07 Sep 2016)





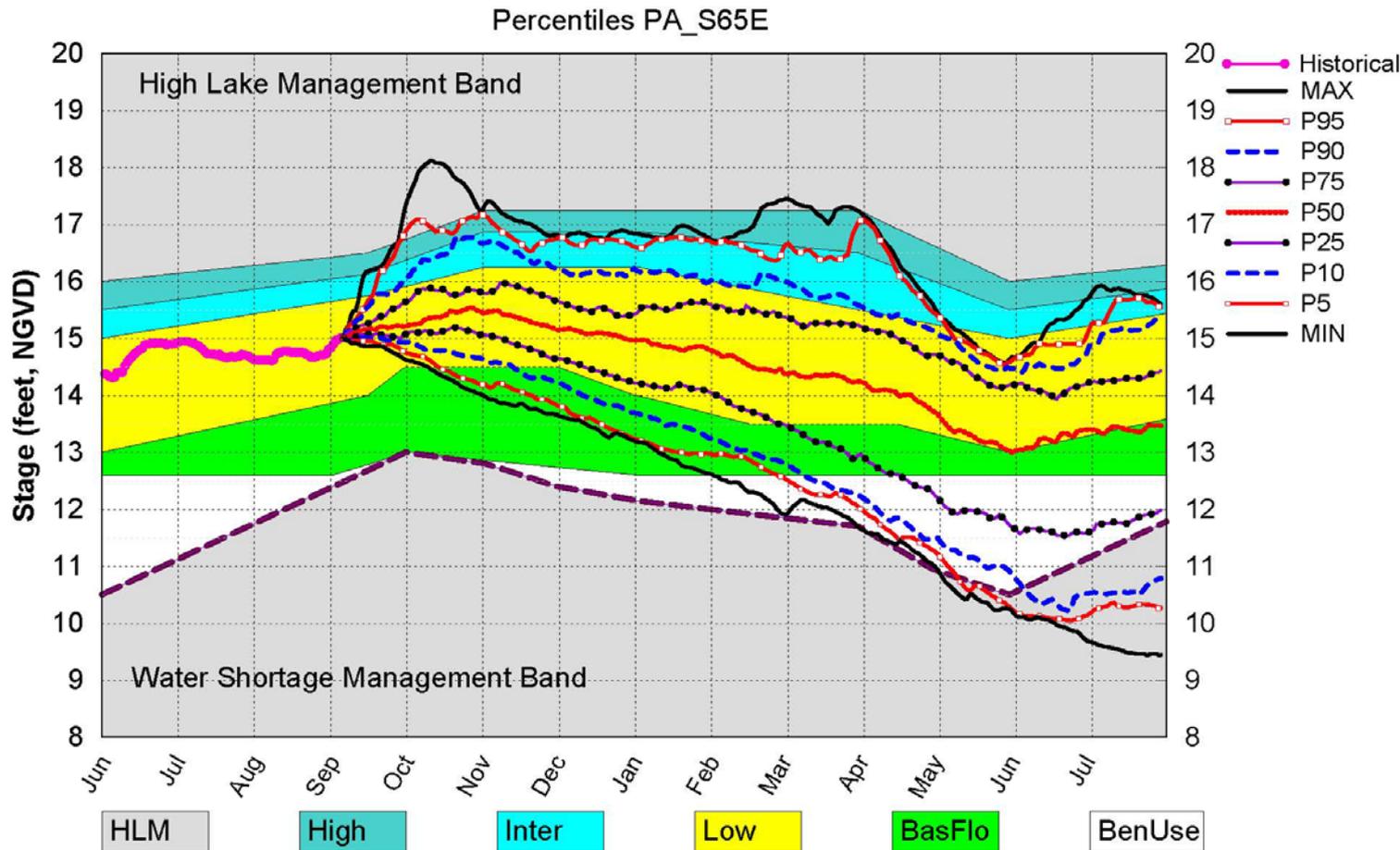
Canals south of Lake Okeechobee have little capacity to take lake releases due to the need to move EAA runoff. Only STA1E/1W have some capacity to treat lake releases. WCA-1 can take lake releases, WCA-2 is regaining capacity, but WCA-3A can not take lake releases.



Rainfall Plan calls for maximum releases from WCA-3A. Currently discharging ~ 1,700 cfs through S-12A-D. S-333 and S-334 are closed due to recent rains. S-332BN pump station remains secured due to construction work. S-197 was recently open for a few days.

- Regulation Schedule summarize WCA water level thresholds throughout the year
- Current objective is to keep water level between the red and purple lines
- If water levels rise above the red line, mandatory regulatory releases are made to return to the red line and no additional lake water can be sent to the WCA

# Lake Okeechobee SFWMM Sept 2016 Dynamic Position Analysis

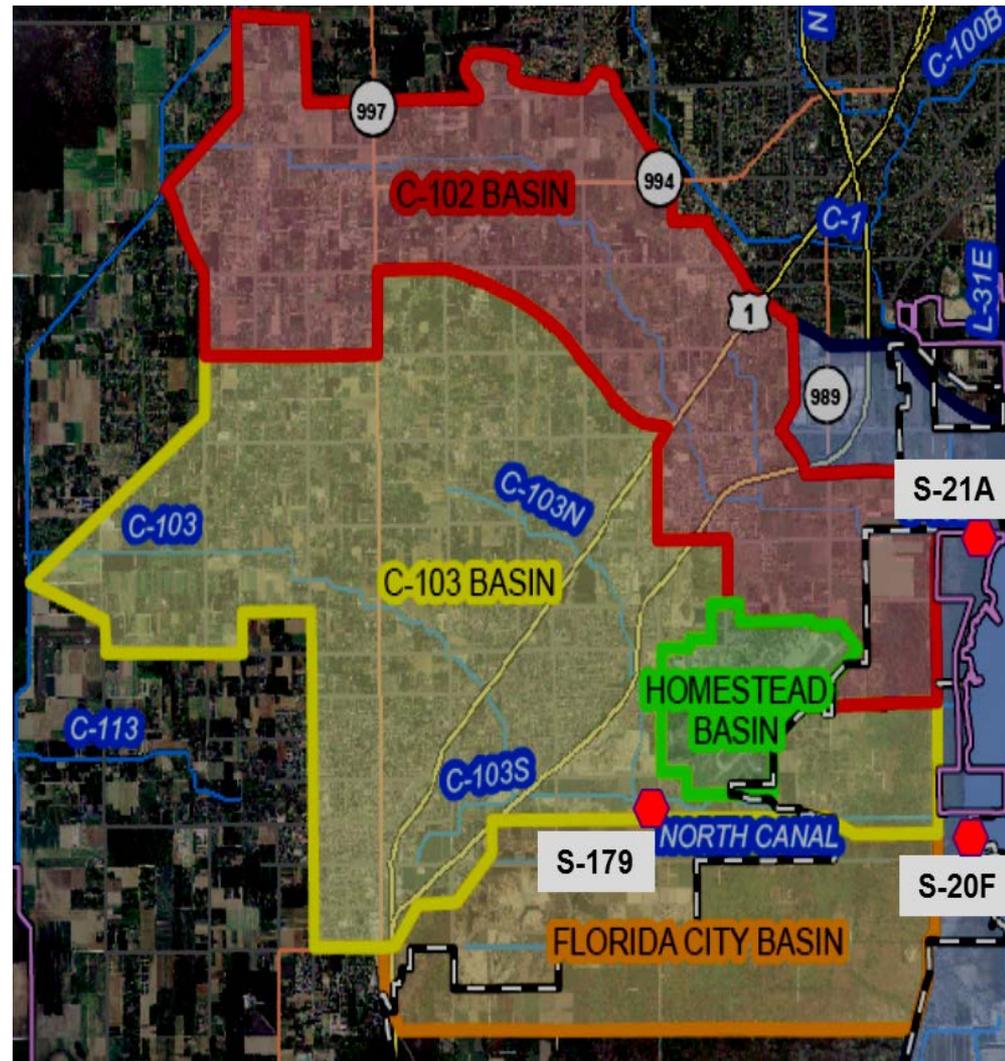


(See assumptions on the Position Analysis Results website)

Tue Sep 6 11:04:11 2016

# 2016-2017 South Miami-Dade Seasonal Agricultural Operations

- Homestead Field Station conducts regular site visits and field condition assessments
- Based on field conditions and groundwater levels, the District will proceed with the canal drawdown on October 15<sup>th</sup>.
- Consider nearshore salinity conditions when shifting operational ranges
- Water Managers direct operational changes as necessary





# Questions?