

Water Conditions Summary

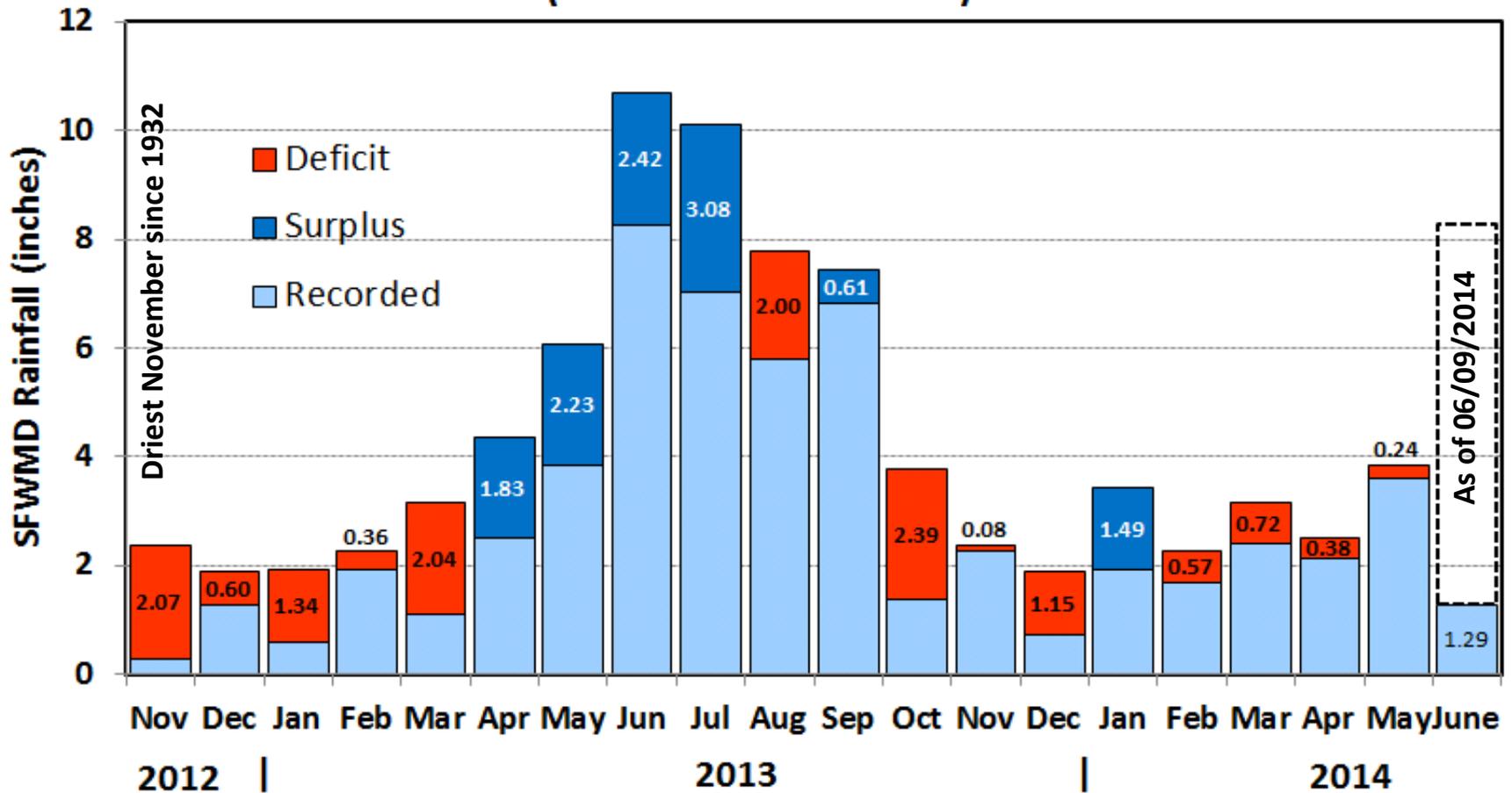
South Florida Water Management District
Governing Board Meeting

June 12, 2014

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

SFWMD Rainfall Distribution Comparison

(Nov 2012 - June 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:

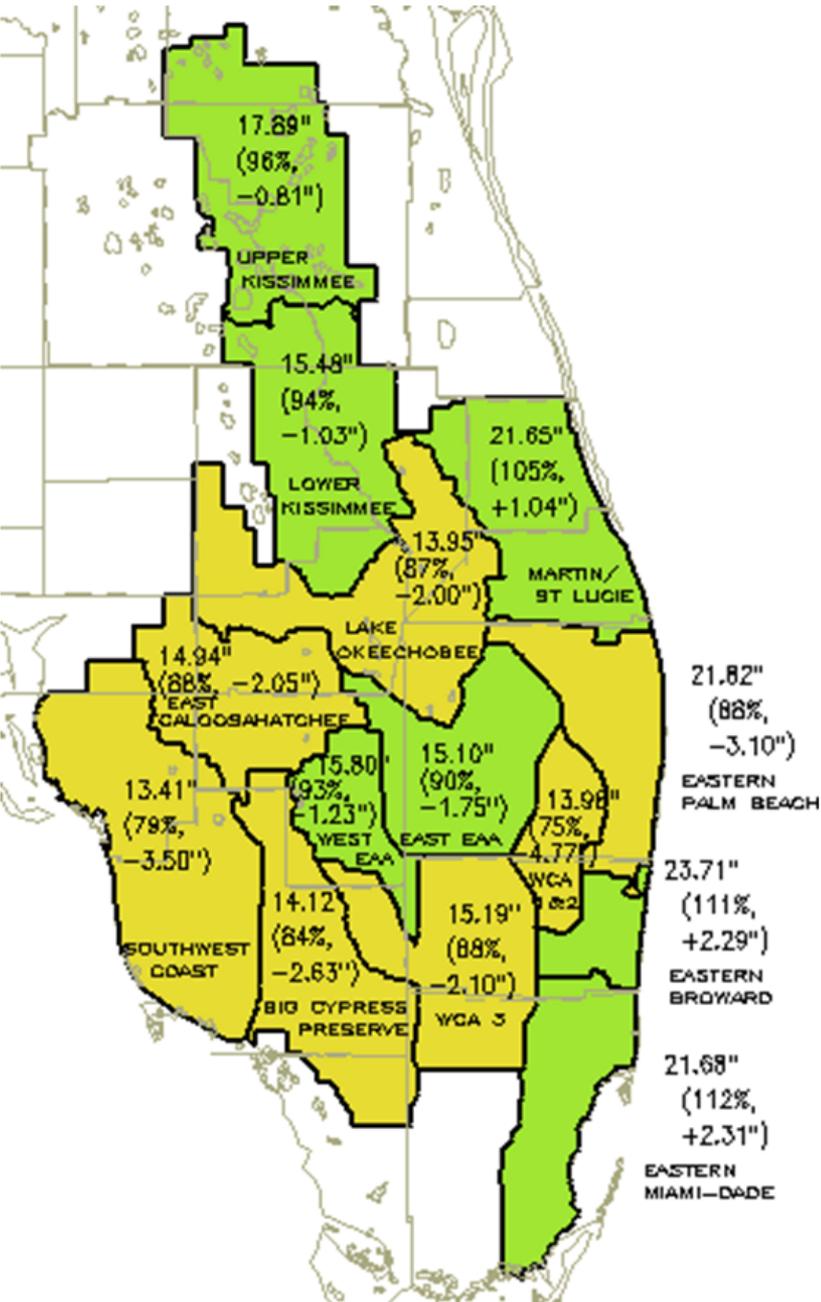
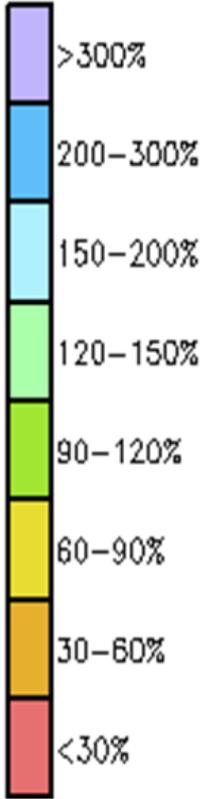
- January above average
- Dry Season ended 92% of average

SFWMD

Dry Season Rainfall

Nov 2, 2013 – Jun 1, 2014

**DISTRICT-WIDE: 16.5"
(92% of Avg, or -1.5")**



Measured
(% of Avg,
Diff From Avg)

- Above average rainfall in Martin/St. Lucie counties, Eastern Broward County and Eastern Miami-Dade County
- All the other basins are below, but close to average

Kissimmee Lakes at the lowest point of the regulation schedule.

District wide rainfall slightly below average for May 2014

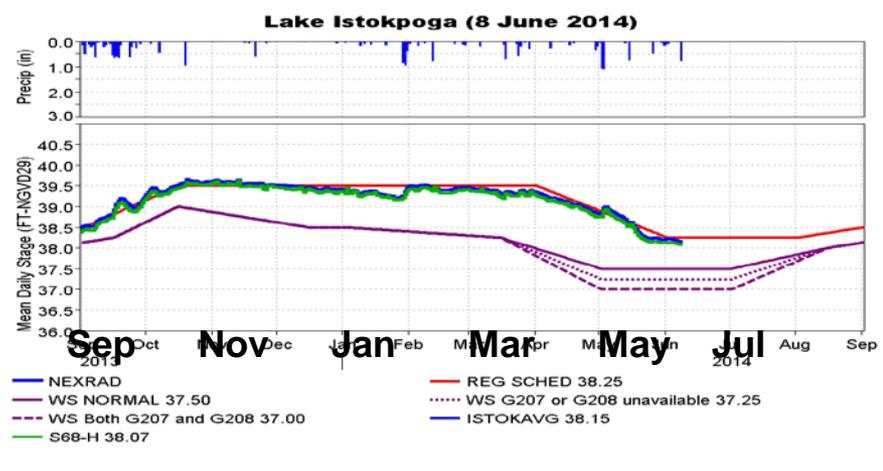
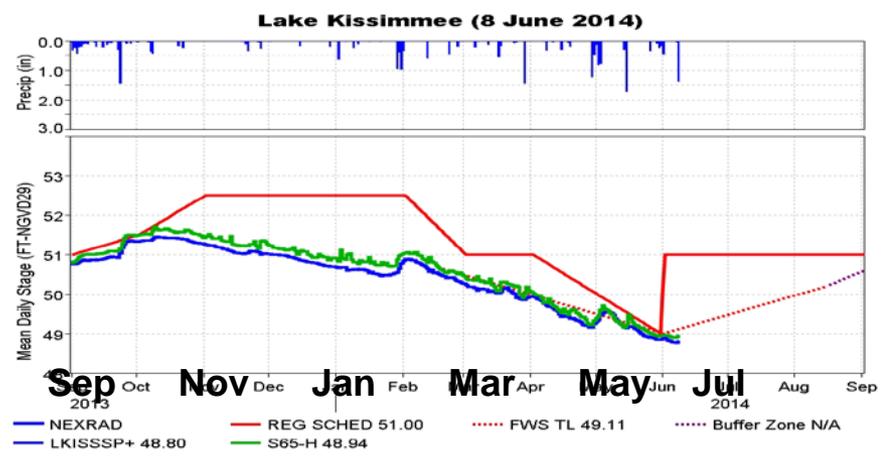
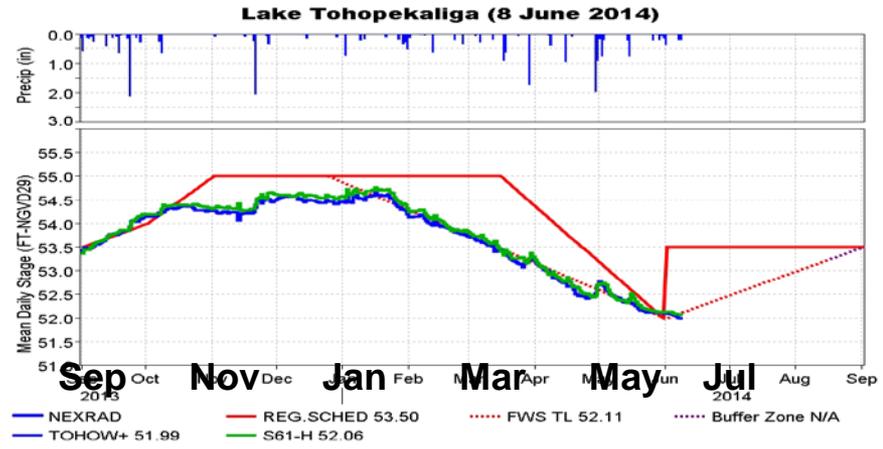
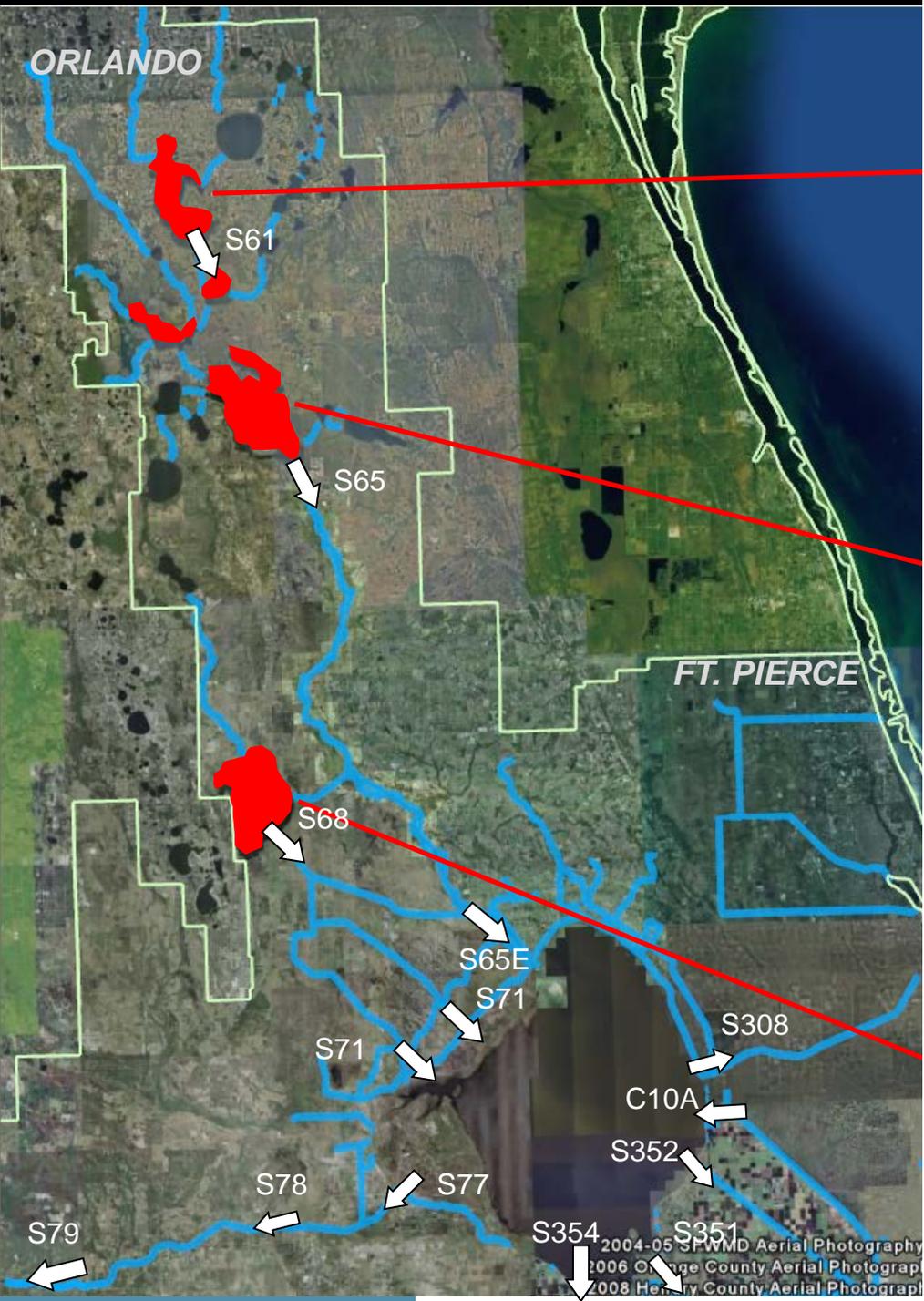
LOK water levels have receded by about 2.5 ft since late Feb. Stage moved into the Beneficial Use sub-band on May 26th. Environmental 7-day pulses releases of 300 cfs began May 29th following the SFWMD AP recommendation

WCA Stages & Schedules
1 – below schedule
2 – below schedule & floor
3 – below Zone E-E1

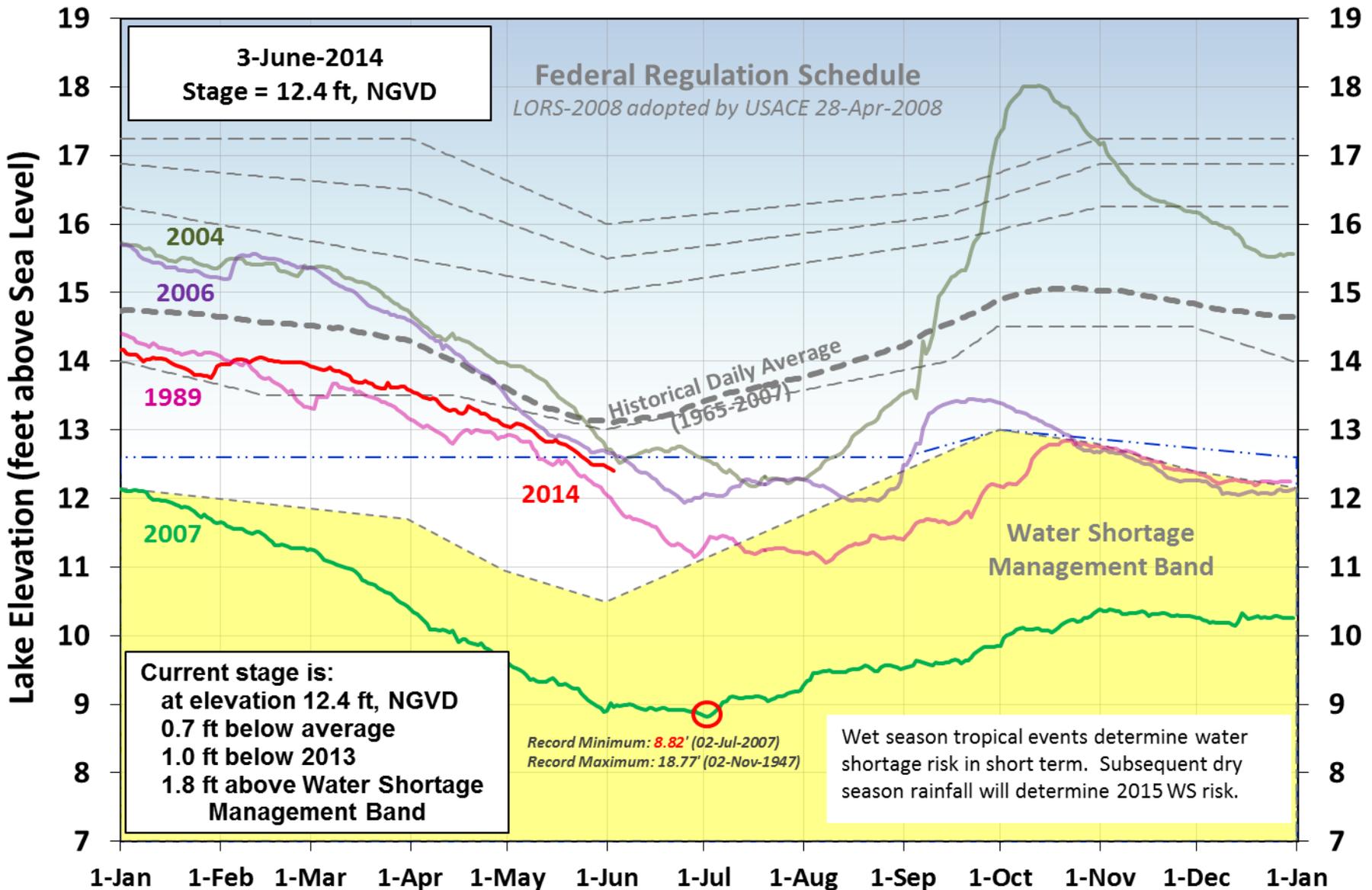
Maximum practicable lake regulatory releases to WCAs through STAs continued until LOK crossed into the Beneficial Use sub-band and/or WCAs stages crossed floor elevations. Once stages cross into floor elevations, WS deliveries to urban areas need to be preceded by a similar upstream inflow into the corresponding WCA

BCB area
Canals operated under dry season criteria. May rainfall totals were close to average

With the exception of E Broward, rainfall in urban areas have been consistently below average since February



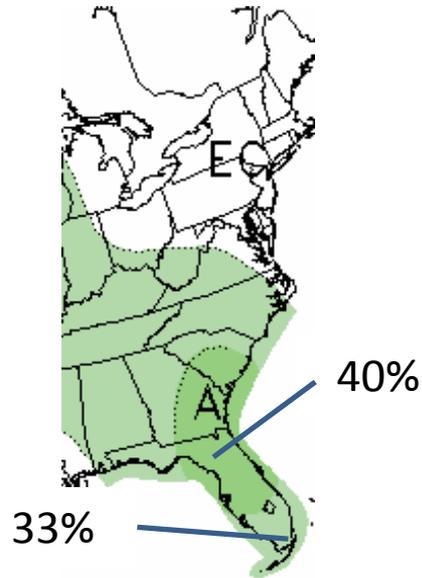
Lake Okeechobee Water Level Comparison



U. S. Seasonal Precipitation Outlook

National Climate Prediction Center (CPC)

June 2014



Posted 31-May-2014

Jun-Aug 2014



Posted 15-May-2014

Sep-Nov 2014



Posted 15-May-2014

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

- Increased chances of Above-Normal (A) rainfall for June
- Equal Chances (EC) of Above-Normal (A), Normal, and Below-Normal (B) rainfall for all 3-month windows starting with June and ending with November

U.S. Drought Monitor Florida

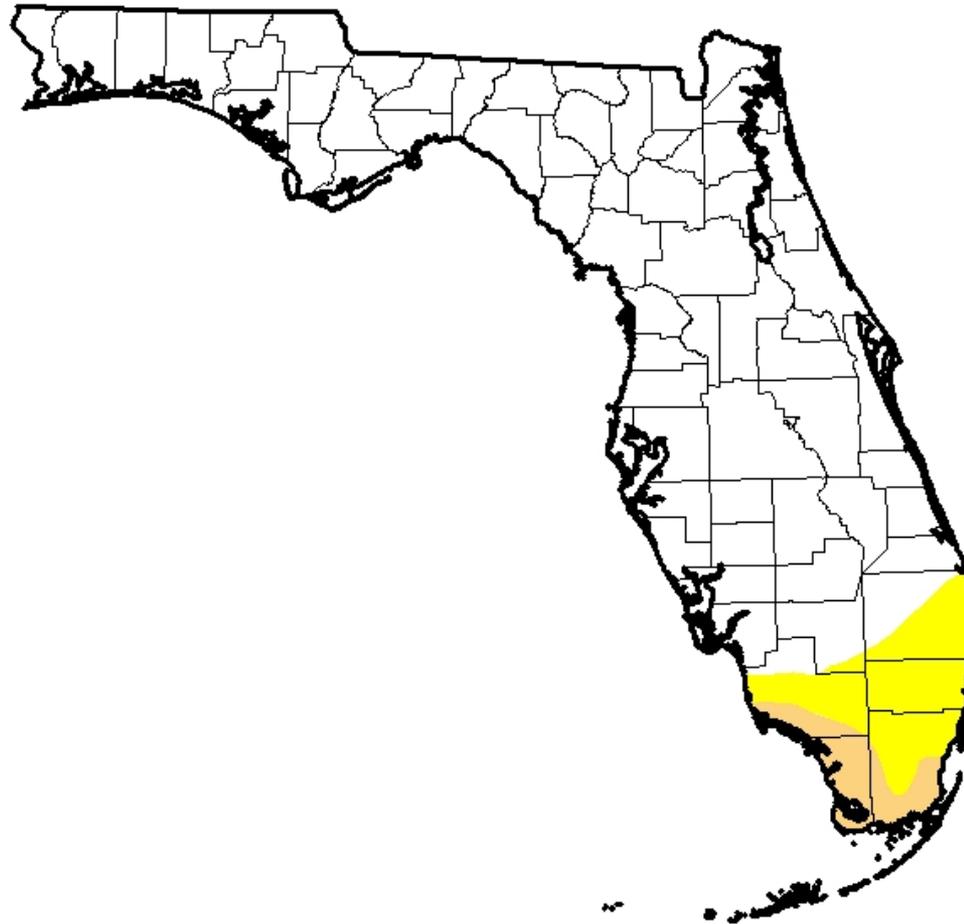
June 3, 2014

(Released Thursday, Jun. 5, 2014)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	87.38	12.62	3.99	0.00	0.00	0.00
Last Week <i>5/27/2014</i>	87.38	12.62	3.98	0.00	0.00	0.00
3 Months Ago <i>3/4/2014</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>12/31/2013</i>	75.83	24.17	0.00	0.00	0.00	0.00
Start of Water Year <i>10/1/2013</i>	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago <i>6/4/2013</i>	77.31	22.69	5.43	0.00	0.00	0.00



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

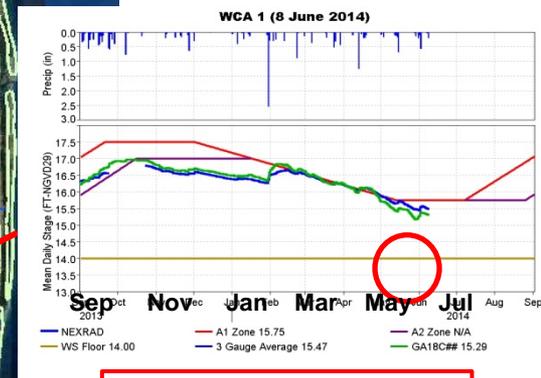
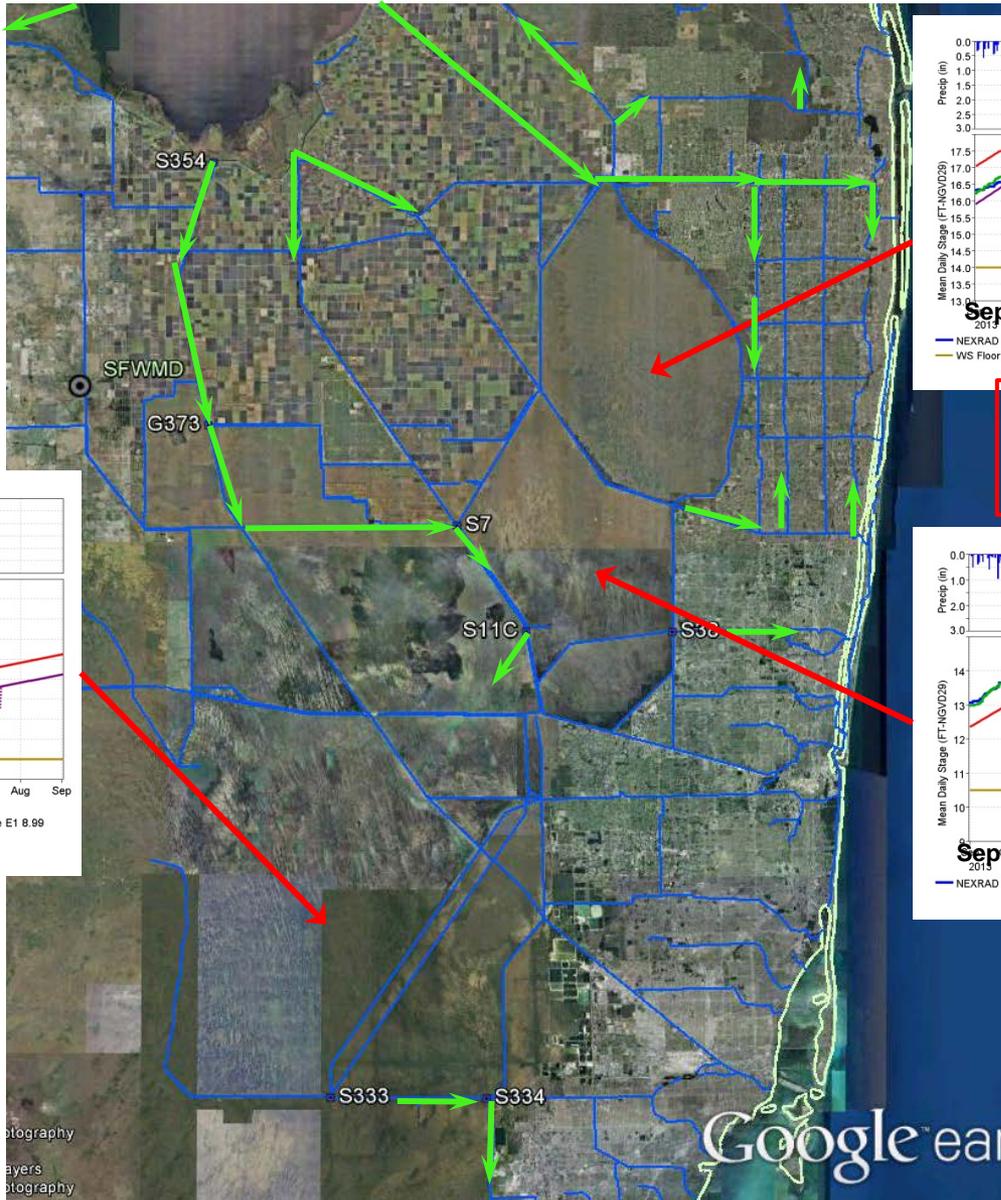
Author:

Richard Tinker
CPC/NOAA/NWS/NCEP

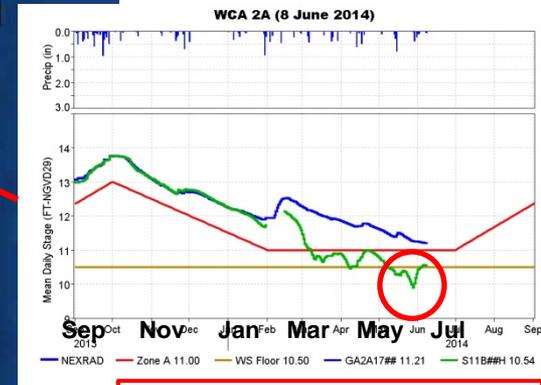


<http://droughtmonitor.unl.edu/>

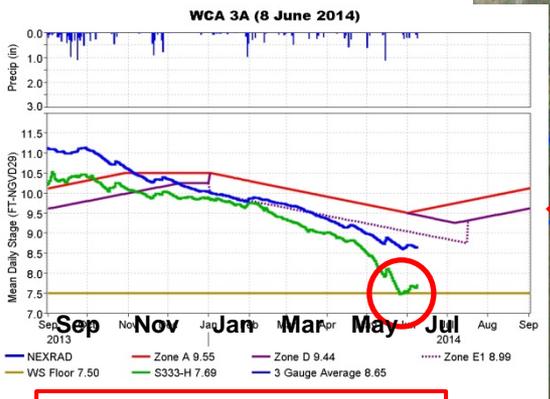
Current Water Supply - Operations



**Indicator gage 1-8C
Above floor elevation
14.0 ft NGVD**

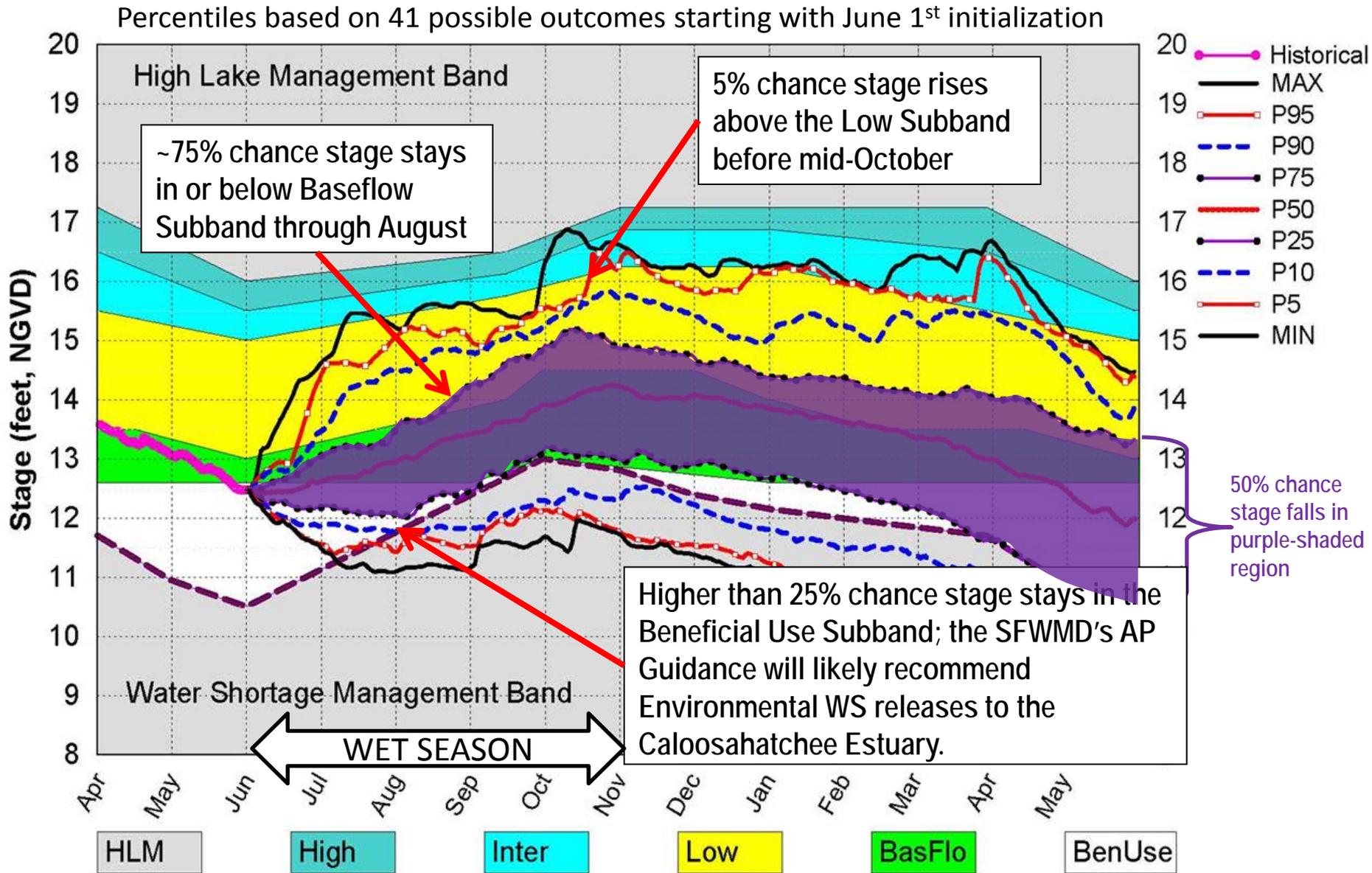


**Indicator gage S11-B HW
Near floor elevation
10.5 ft NGVD**



**Indicator gage S333 HW
Near floor elevation
7.5 ft NGVD**

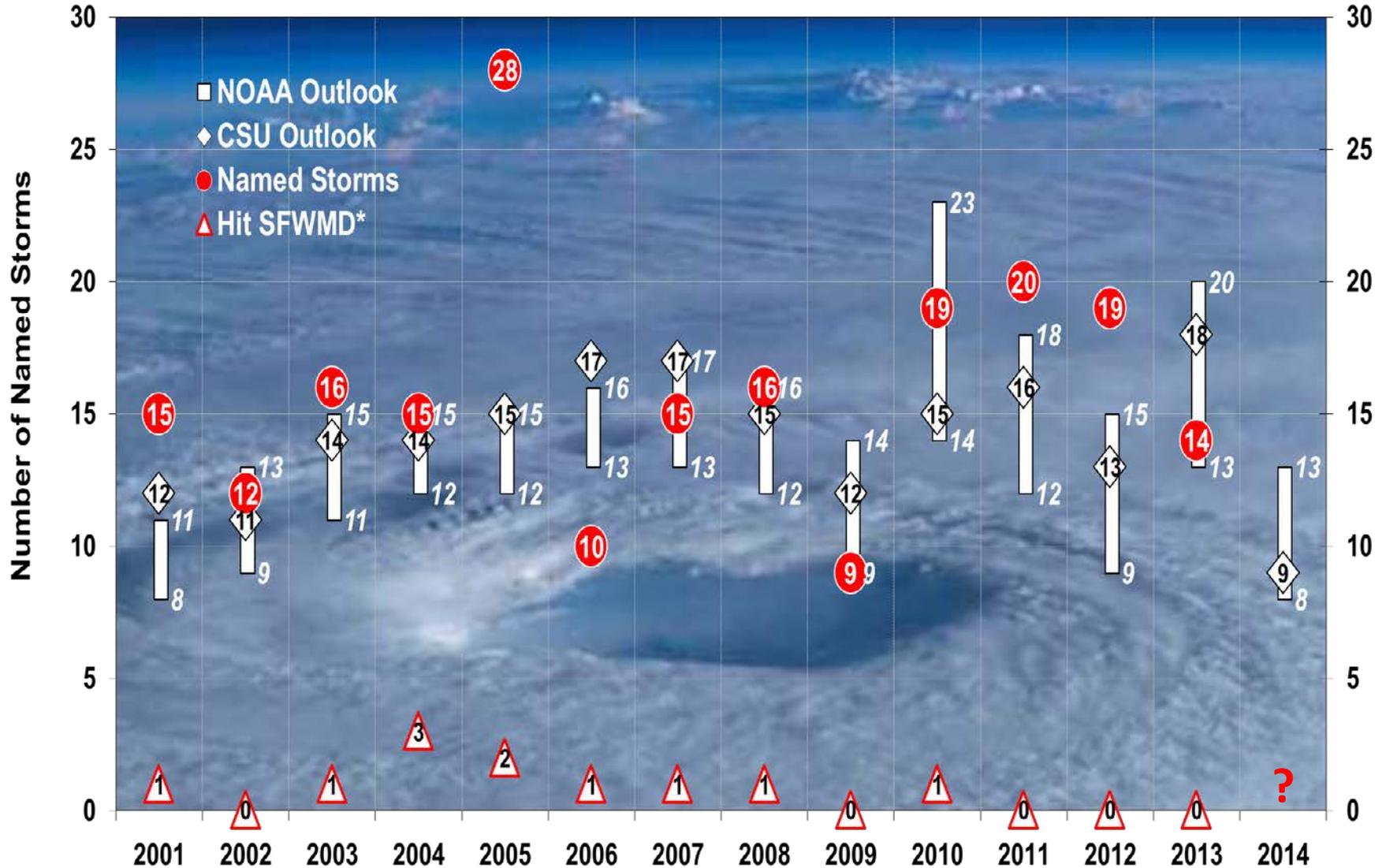
Lake Okeechobee SFWMM June 2014 Position Analysis



(See assumptions on the Position Analysis Results website)

Atlantic Hurricane Season

Named Storms vs Pre-Season Outlooks



TS Gabrielle

TS Henri

*H Charley
H Frances
H Jeanne*

*H Katrina
H Wilma*

TS Ernesto

TS Barry

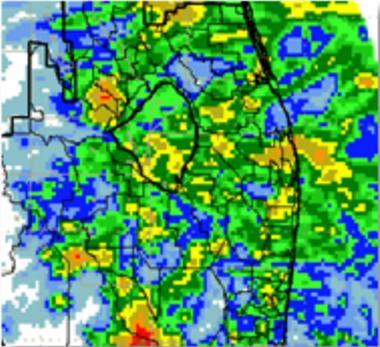
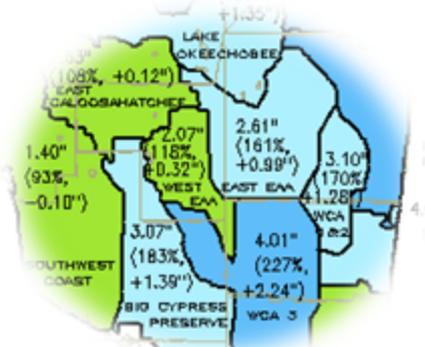
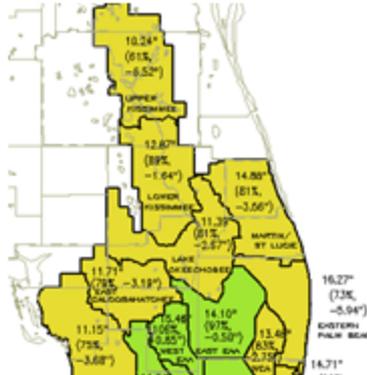
TS Fay

TS Bonnie

Average (1981–2010)
12.1 Named Storms
6.4 Hurricanes
2.7 Major Hurricanes (Cat 3 or higher)

*Hit SFWM is defined as the center of the storm crossing the SFWM boundary

Tools for staying informed:

Track the Wet Season with SFWMD Online Weather Resources		
<p>Real-Time Raindar</p> 	<p>Monthly Rainfall</p> 	<p>Seasonal Rainfall</p> 
<p>Displays real-time rainfall radar hourly, daily and monthly.</p>	<p>Tracks rainfall by county each month, updating daily.</p>	<p>Provides seasonal rainfall amounts by county to date.</p>
<p>Click on the graphics above, or see more SFWMD weather data here.</p>		

Questions?