

# Water Conditions Summary

## South Florida Water Management District Governing Board Meeting

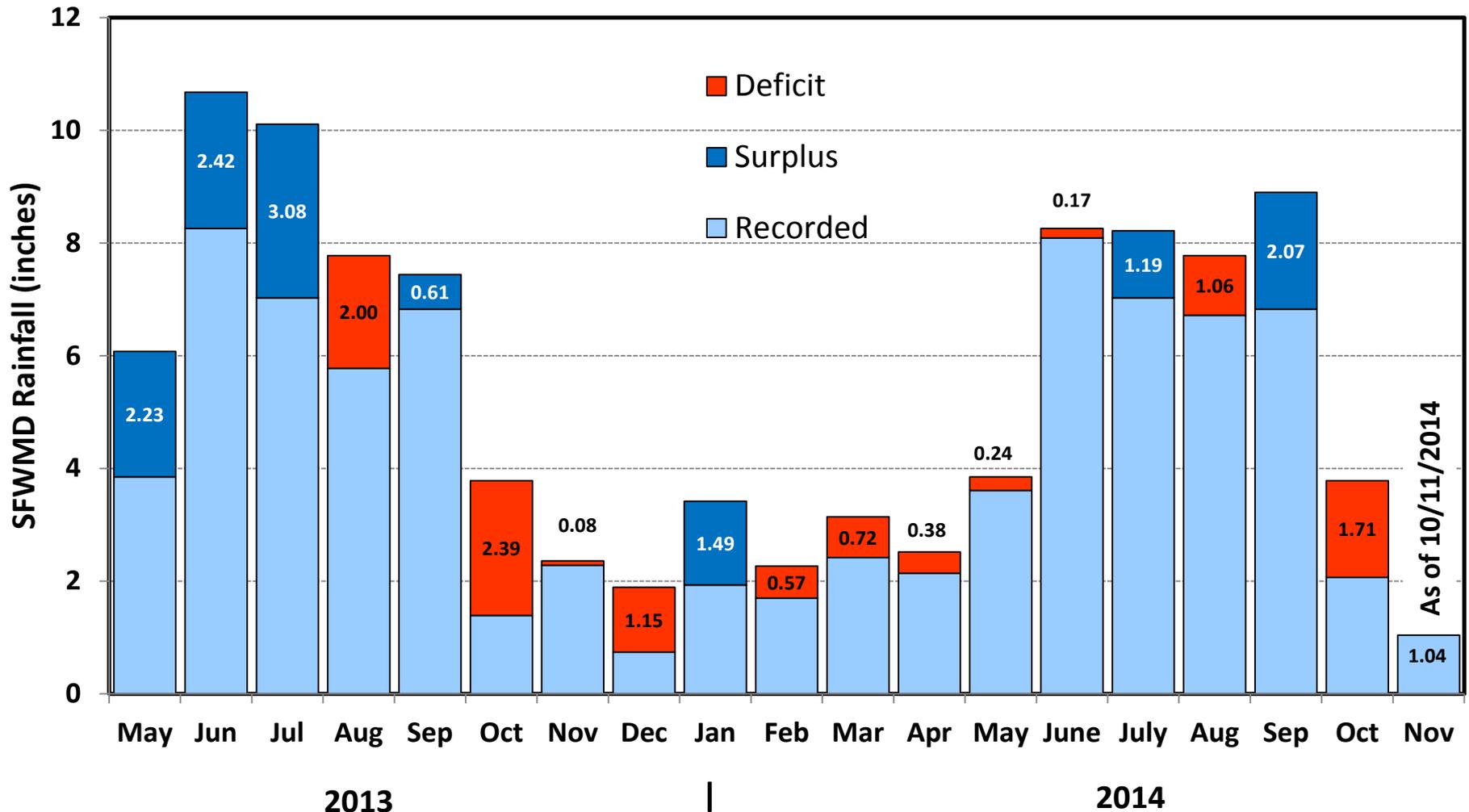
**November 13, 2014**

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

Dye test at the Decomp Physical Model, Structure S151

# SFWMD Rainfall Distribution Comparison

(May 2013 - Nov 2014)



As of 10/11/2014

2013

2014

### 2013 WET SEASON:

- May 18<sup>th</sup> - Oct 8<sup>th</sup> End
- Slightly above average
- Above-average May-July

### 2013-14 DRY SEASON:

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

### 2014 WET SEASON:

- May 26<sup>th</sup> - Oct 4<sup>th</sup>
- Near average
- Timing nearly average

# SFWMD

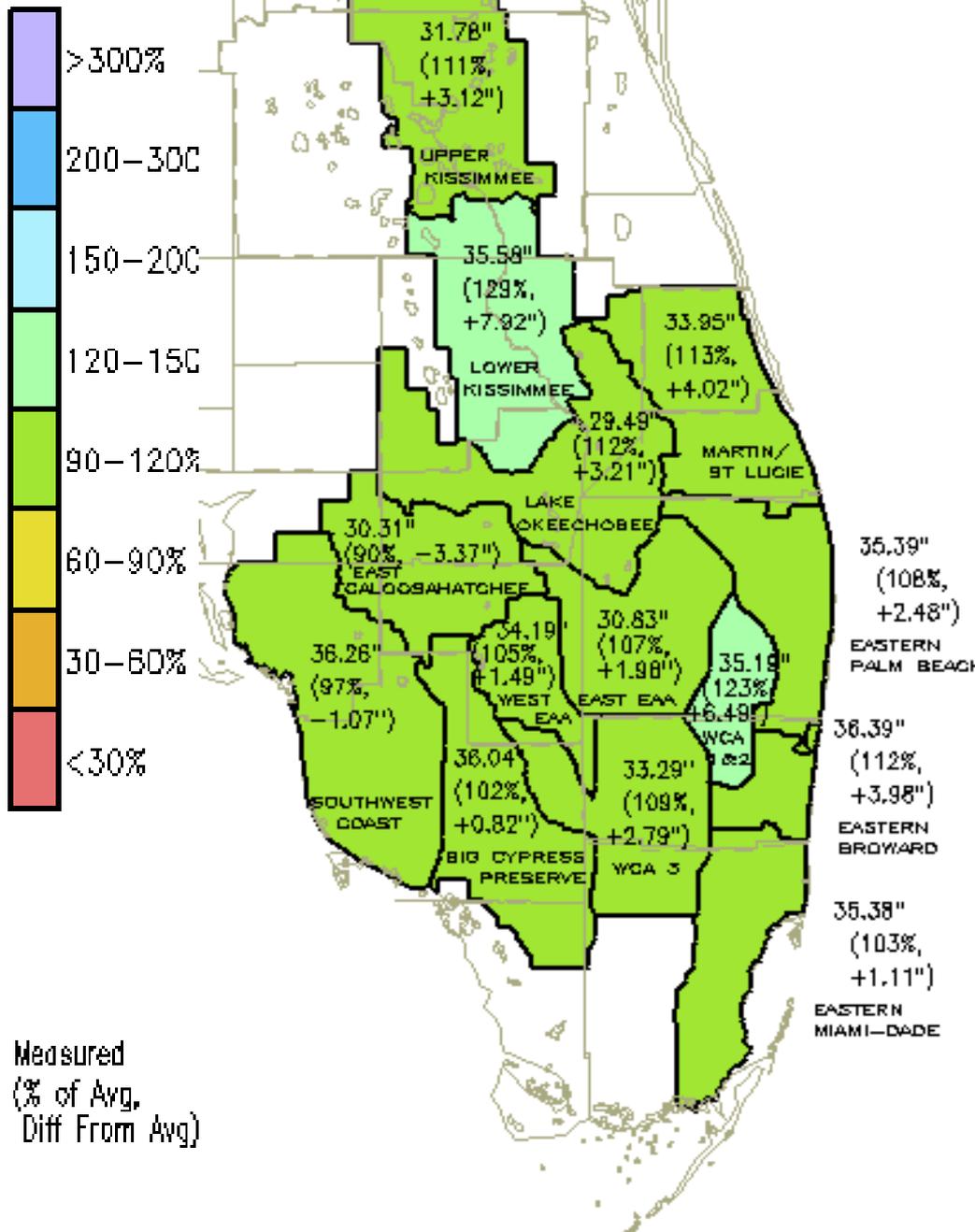
## Wet Season Rainfall

May 26 2014 – Oct 4, 2014

**DISTRICT-WIDE:**

**33.58"**

**(108% of Avg, or +2.45")**



All basins received at or slightly above average rainfall

District wide, the timing and coverage of rainfall was well distributed

Operationally the main challenge was the above normal rainfall in September which contributed to a rise in Lake Okeechobee levels.

Kissimmee Lakes finished the wet season below regulation schedule.

District wide rainfall well below average for October 2014

Lake Okeechobee stage remains in the Low Sub-band. Releases were 650 cfs from 1 – 16 Oct at S79 and increased to 1000 cfs on Oct 17. USACE continuing at 1000 cfs average daily at S79.

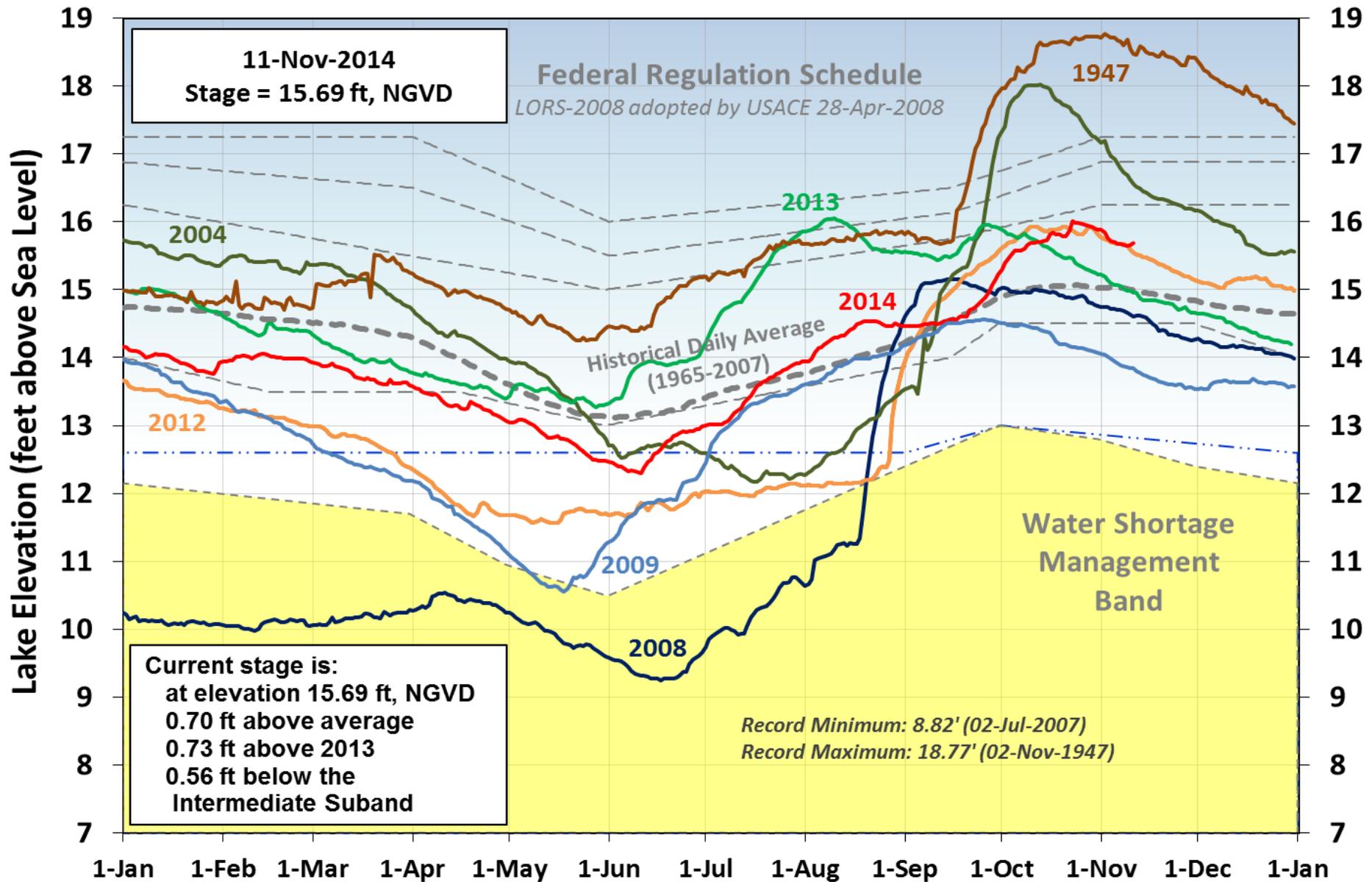
Water Conservation Areas finished the wet season near the top of their respective schedules. WCA 1 & 3A slightly below and WCA-2A above.

Maximum practicable Lake O regulatory releases to WCAs through the STAs resumed on Oct 21 as water levels declined in the WCAs

BCB area canals are following dry season operating criteria.

Heavy rainfall focused on Miami-Dade County as a front moved through in late October.

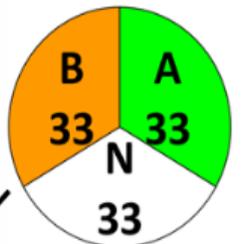
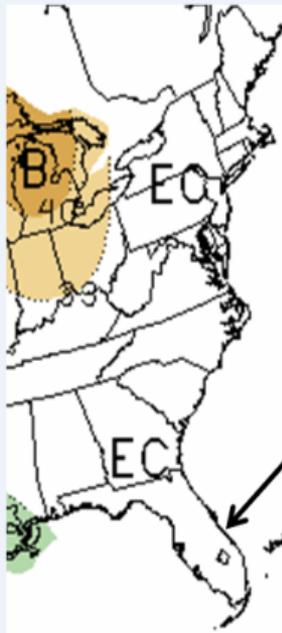
# Lake Okeechobee Water Level Comparison



# U. S. Seasonal Precipitation Outlook

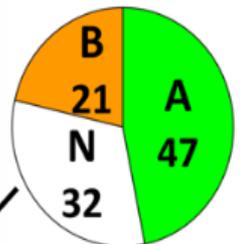
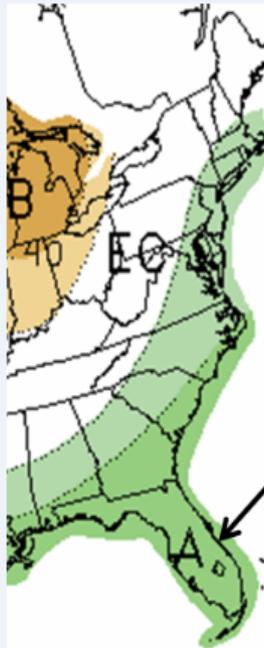
National Climate Prediction Center (CPC)

**Nov 2014**



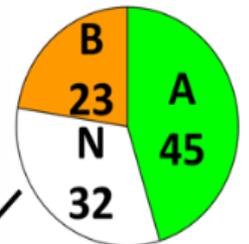
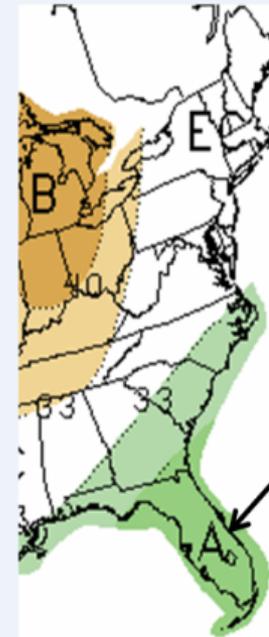
*Posted 16-Oct-2014*

**Nov 2014-Jan 2015**



*Posted 16-Oct-2014*

**Feb-Mar 2015**



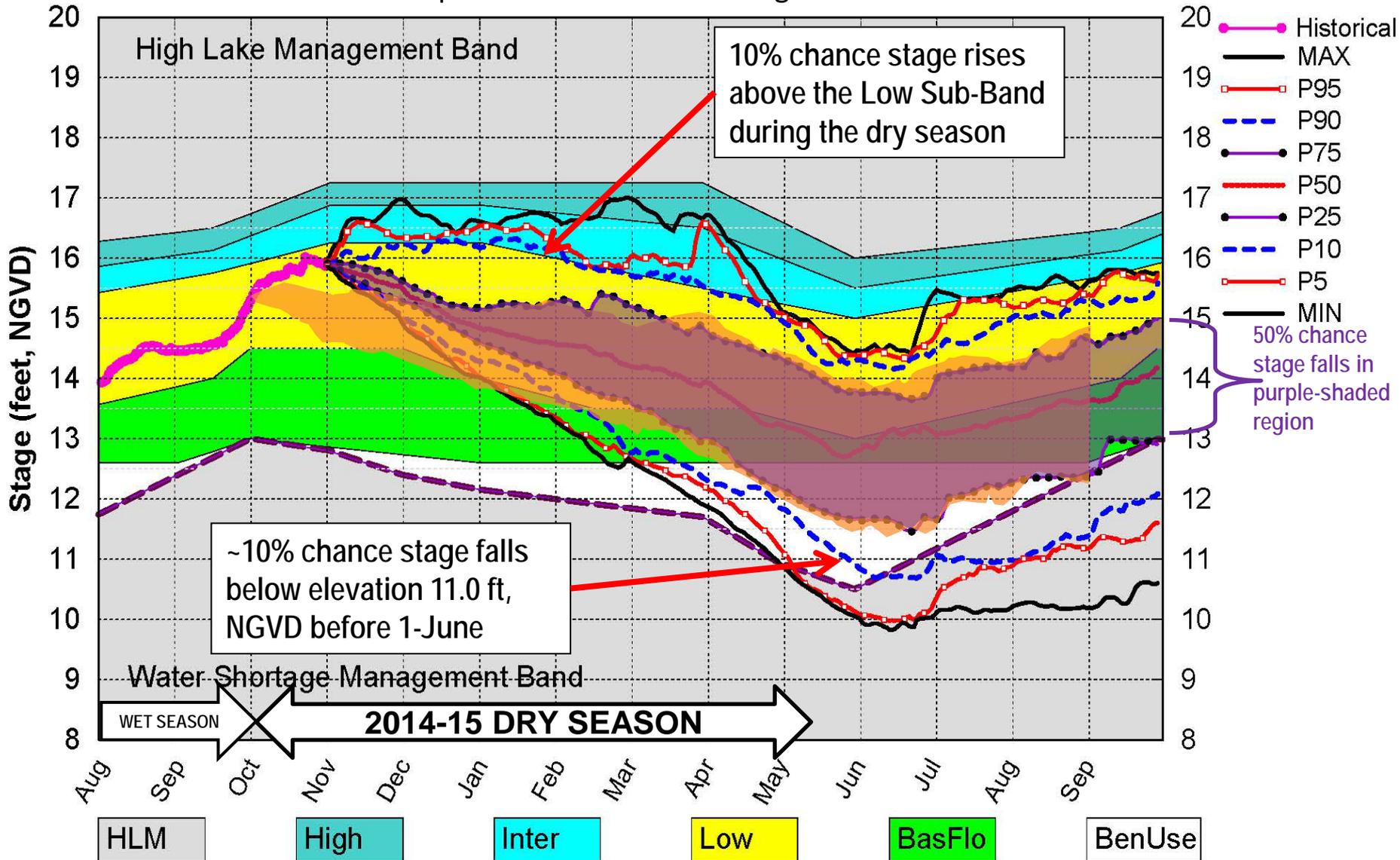
*Posted 16-Oct-2014*

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

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

# Lake Okeechobee SFWMM November 2014 Dynamic Position Analysis

Percentiles based on 41 possible outcomes starting with March 1<sup>st</sup> initialization



(See assumptions on the Position Analysis Results website)

# Questions?

