

Water Conditions Summary

South Florida Water Management District Governing Board Meeting

November 14, 2013

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Operations, Maintenance & Construction
South Florida Water Management District

Lake Okeechobee

Everglades Agricultural Area

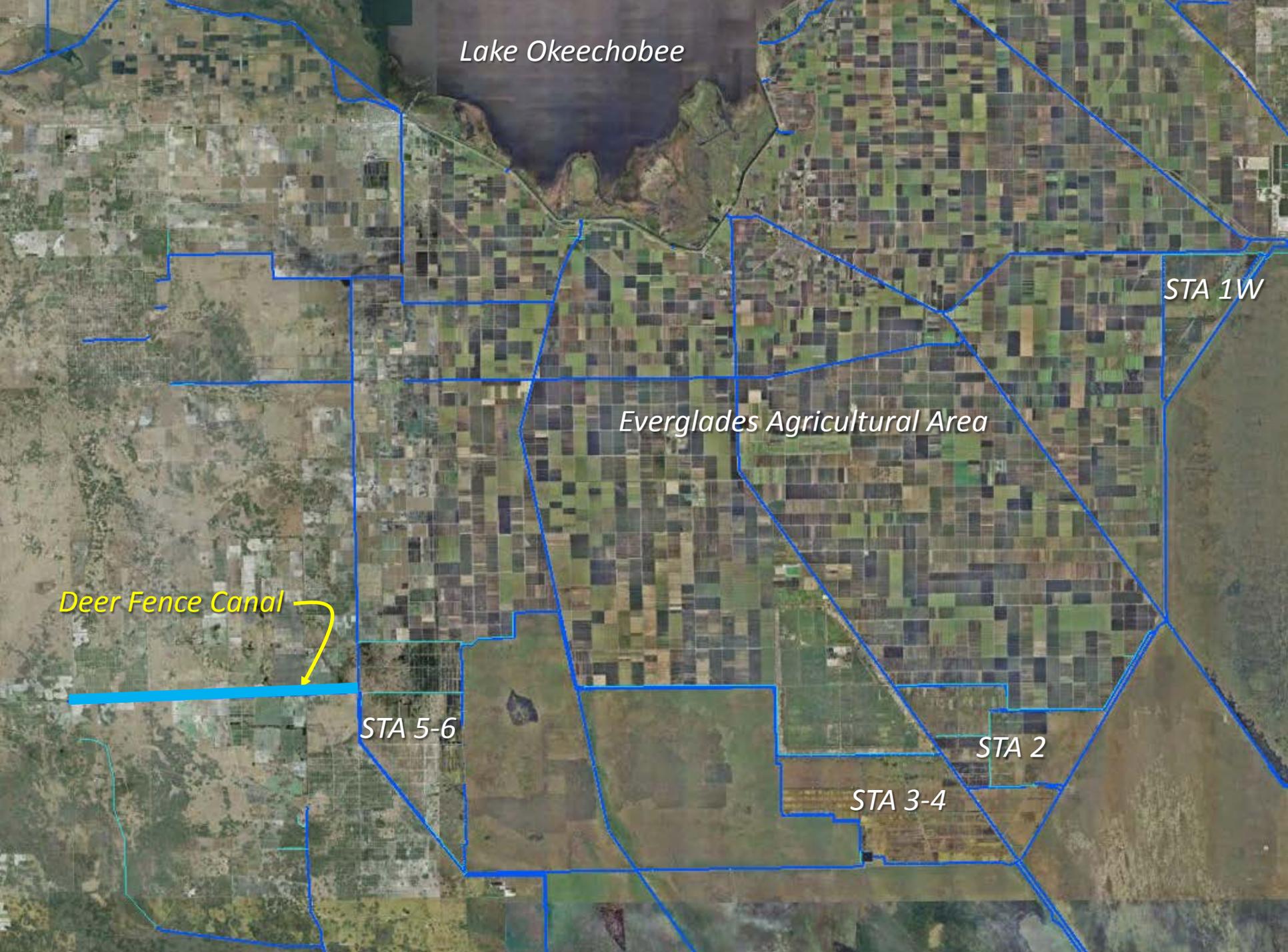
STA 1W

Deer Fence Canal

STA 5-6

STA 2

STA 3-4





Summary of the Past 30 Days

Early end of wet season and early start of dry season (~October 8th, 2013)

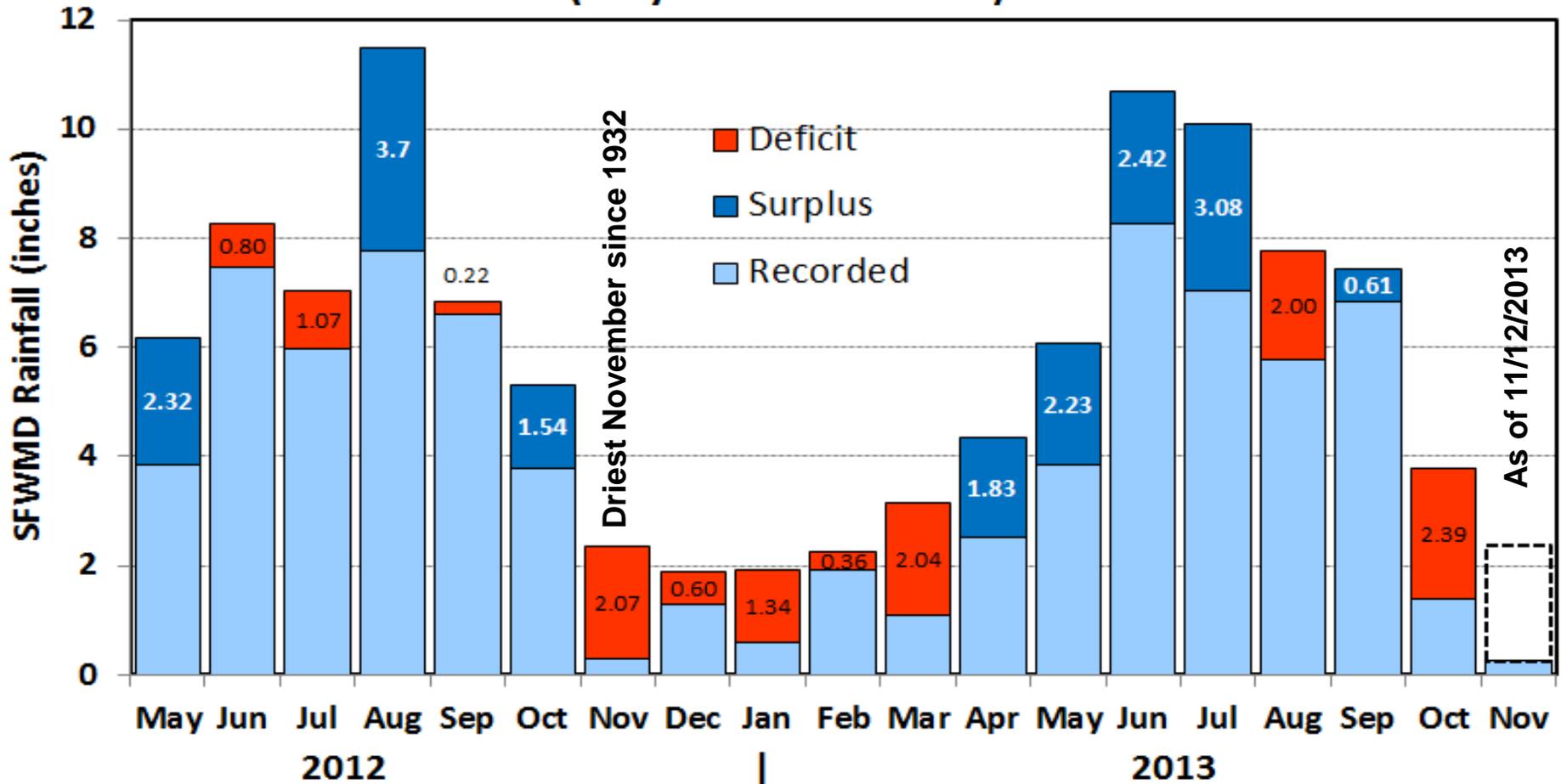
- Driest October since 1939 for Eastern Palm Beach
- Third driest October since 1915 for Martin/St. Lucie

Most of the stages around the District are at acceptable levels for this time of the year but are rapidly receding

- This year LOK has experienced the largest recession (0.80 ft) for Oct.1 – Nov. 5 in the last 30 years
- For the same period , WCA2A recession for 2013 (0.77 ft) is the largest for the last 24 years
- Recessions for WCA1 are close to average conditions
- WCA3A show the fourth largest recession (0.58 ft) for Oct. 1 – Nov. 5 for the last 24 years

SFWMD Rainfall Distribution Comparison

(May 2012 - Nov 2013)



2012 WET SEASON:

- Started early with wet May, followed by dry June and July . TS Isaac brought August rainfall high above average.
- Ended up above

2012-13 DRY SEASON:

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

2013 WET SEASON:

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

5 average

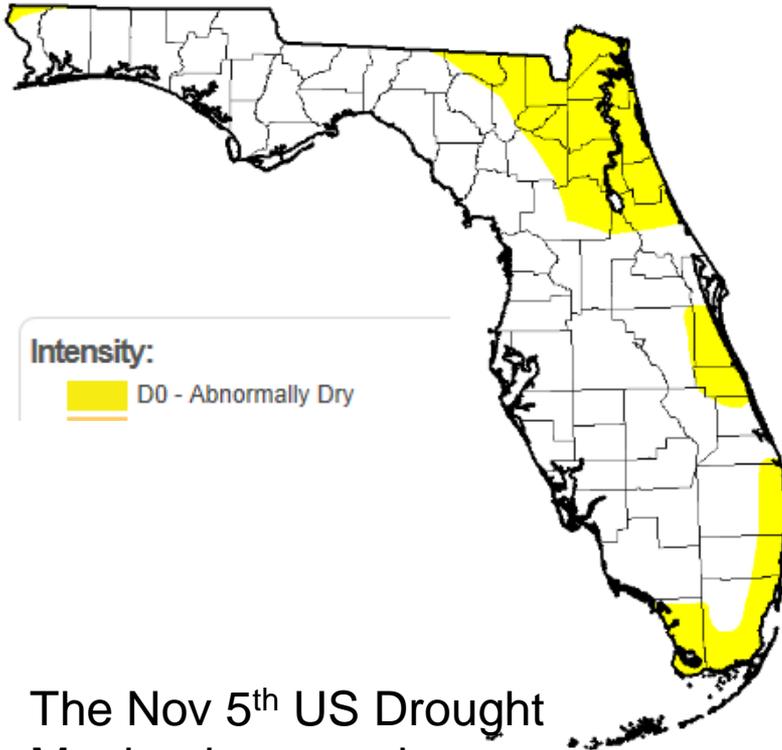
November 5, 2013

(Released Thursday November 7, 2013)

Valid 7 a.m. Eastern

U.S. Drought Monitor

Florida

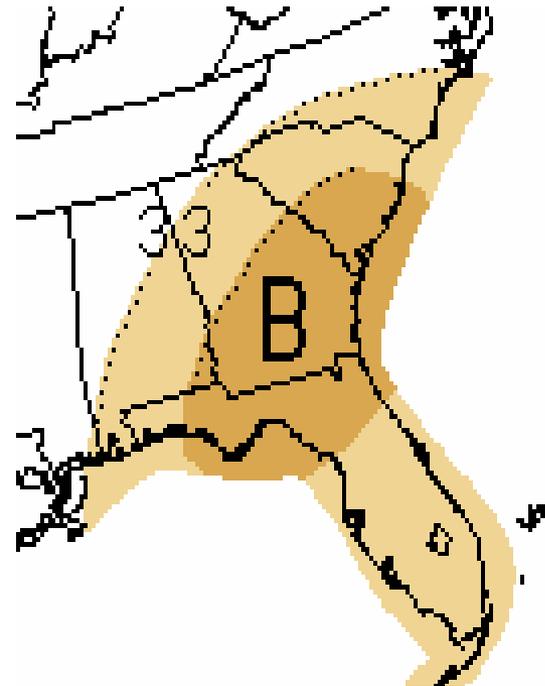


The Nov 5th US Drought Monitor has now just indicated parts of the District are abnormally dry.

U. S. Seasonal Precipitation Outlook

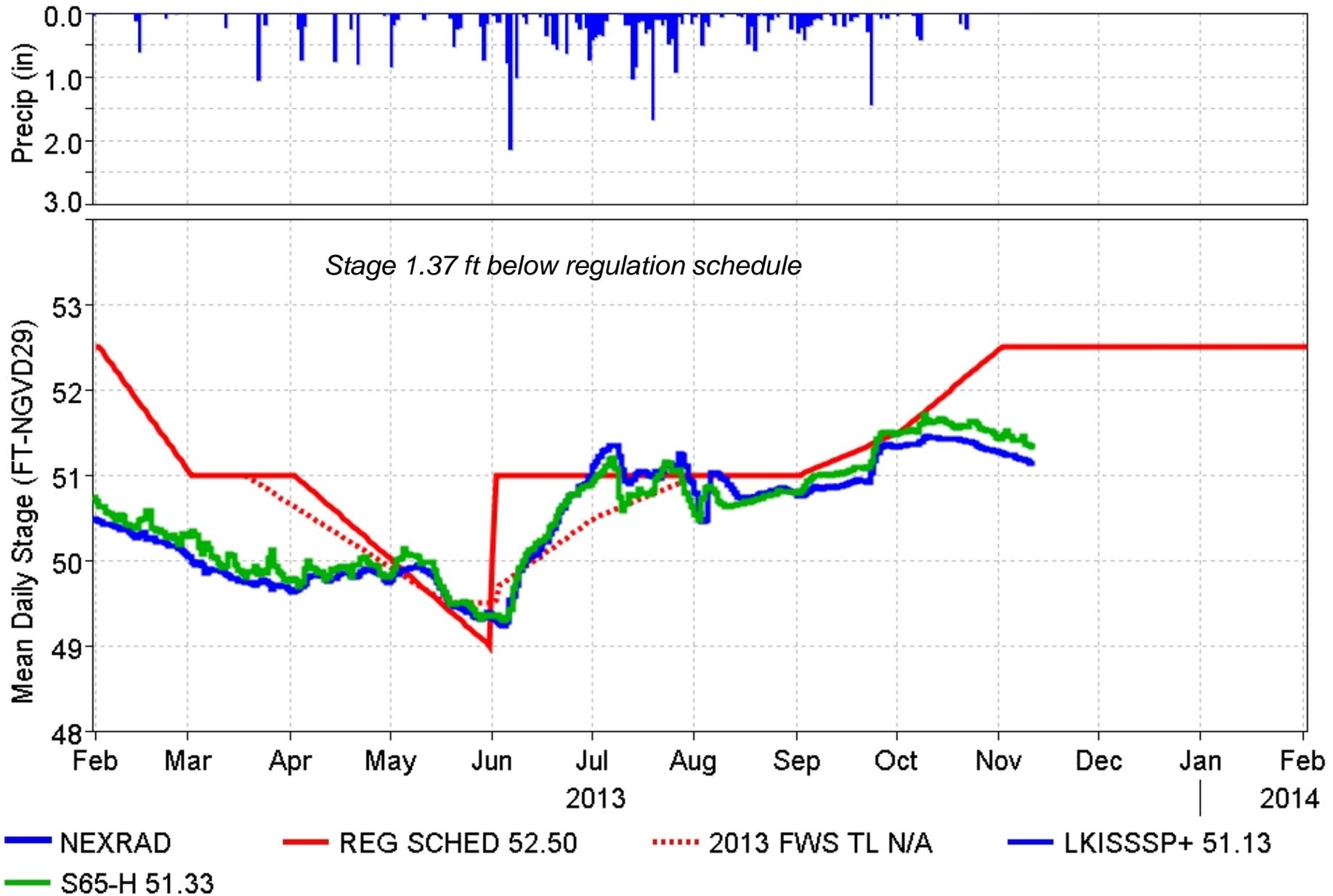
National Climate Prediction Center (CPC)

Nov-Jan 2013

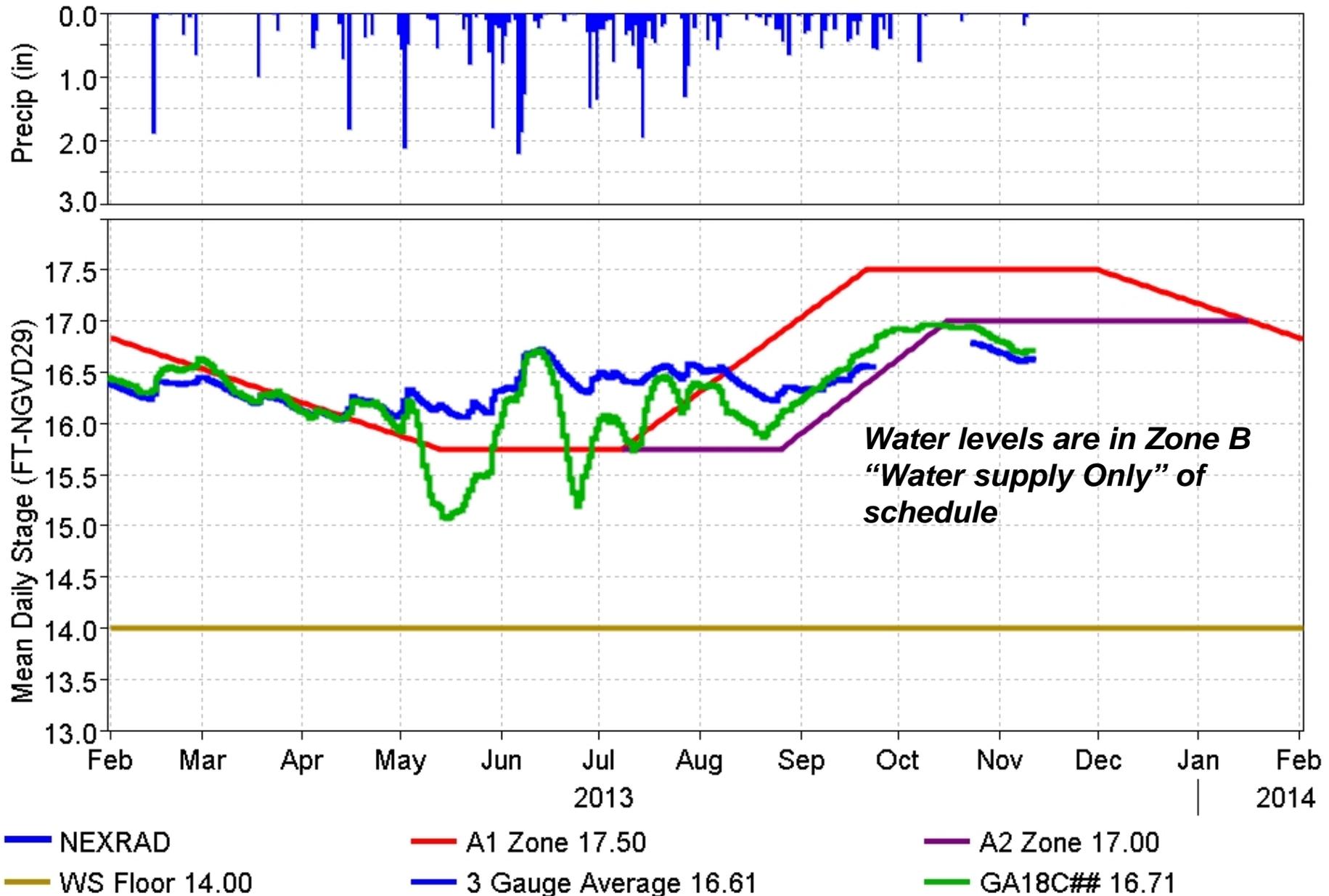


CPC precipitation outlooks for central & southern Florida indicate there is an increased chance of Below-Normal (B) rainfall for all 3-month windows starting with November and ending with March

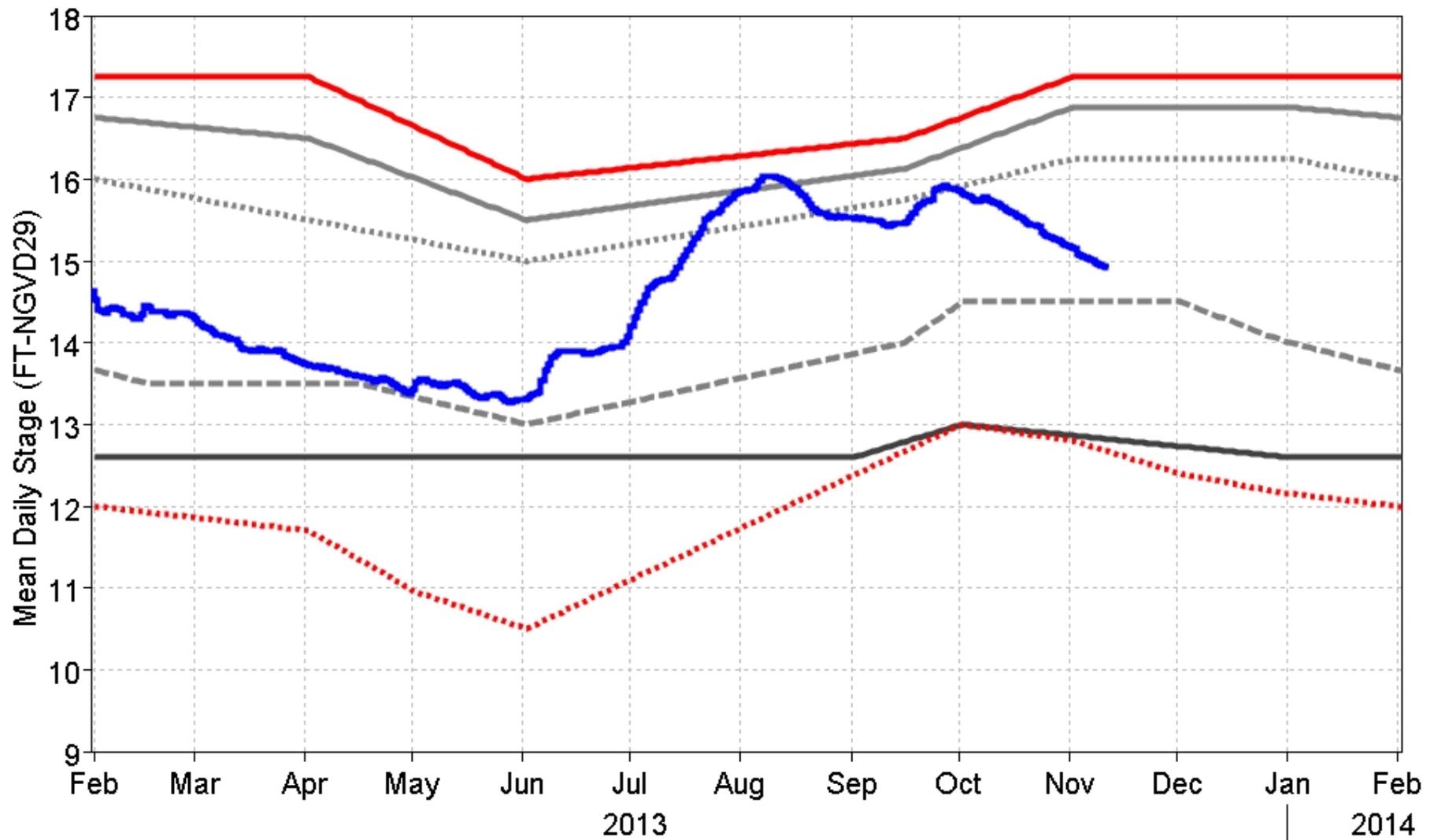
Lake Kissimmee (11 November 2013)



WCA 1 (11 November 2013)



Lake Okeechobee (11 November 2013)



— MAXIMUM RELEASES 17.25

— HIGH 16.88

..... INTERMEDIATE 16.25

- - - LOW 14.50

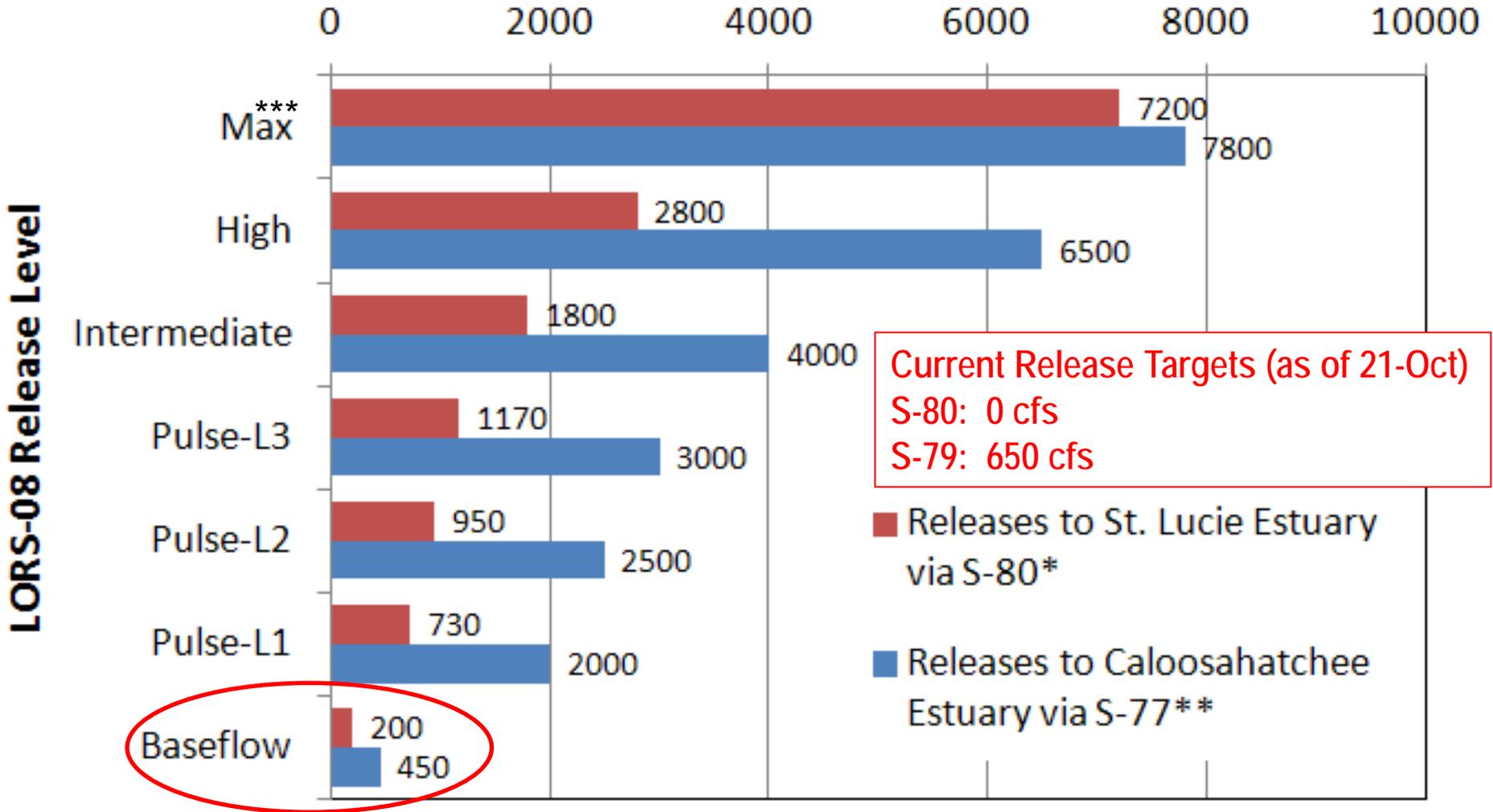
— BASE FLOW 12.82

..... LOWSM 12.67

— LAKEOAVG 14.92

Lake Okeechobee Regulation Schedule 2008

Release Rates (cfs)



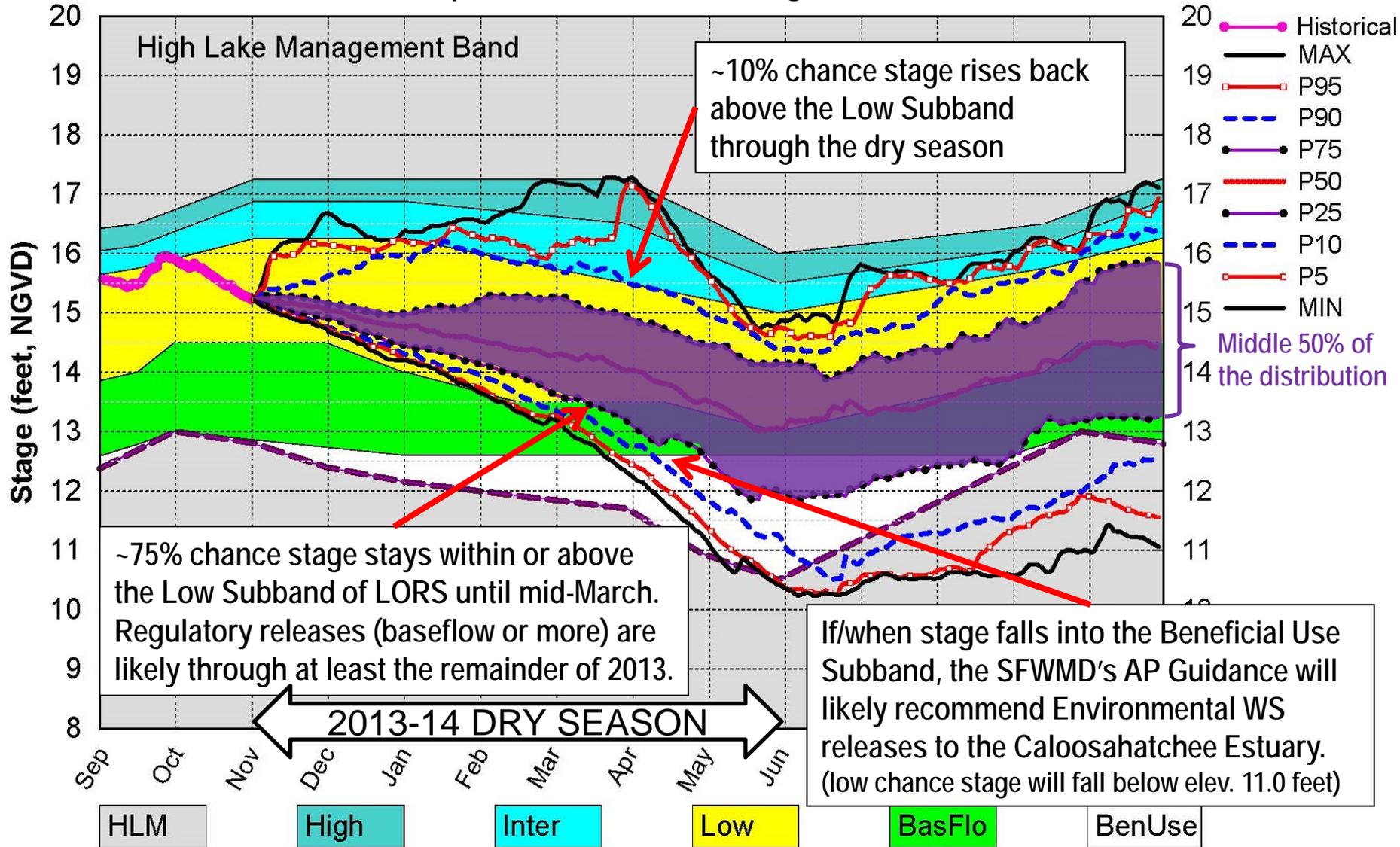
* Releases at S-308 are limited by C-44 basin runoff

** Baseflow Releases and Pulse Releases at S-77 are limited by C-43 basin runoff

*** Maximum Release rates depend on Lake and canal stages **10**

Lake Okeechobee SFWMM November 2013 Position Analysis

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



(See assumptions on the Position Analysis Results website)

Special Operations

Aug – Oct 2013

Lake Okeechobee – L-8 – C-51 to tide: Transitioned to water supply

Lake Okeechobee – WPB Canal to STA1 (Pump) - WCA-1 (Pump): Terminated on 10/23/2013

Normal Regional Operations – WCA-1 & 2 to tide: Transitioned to water supply operations

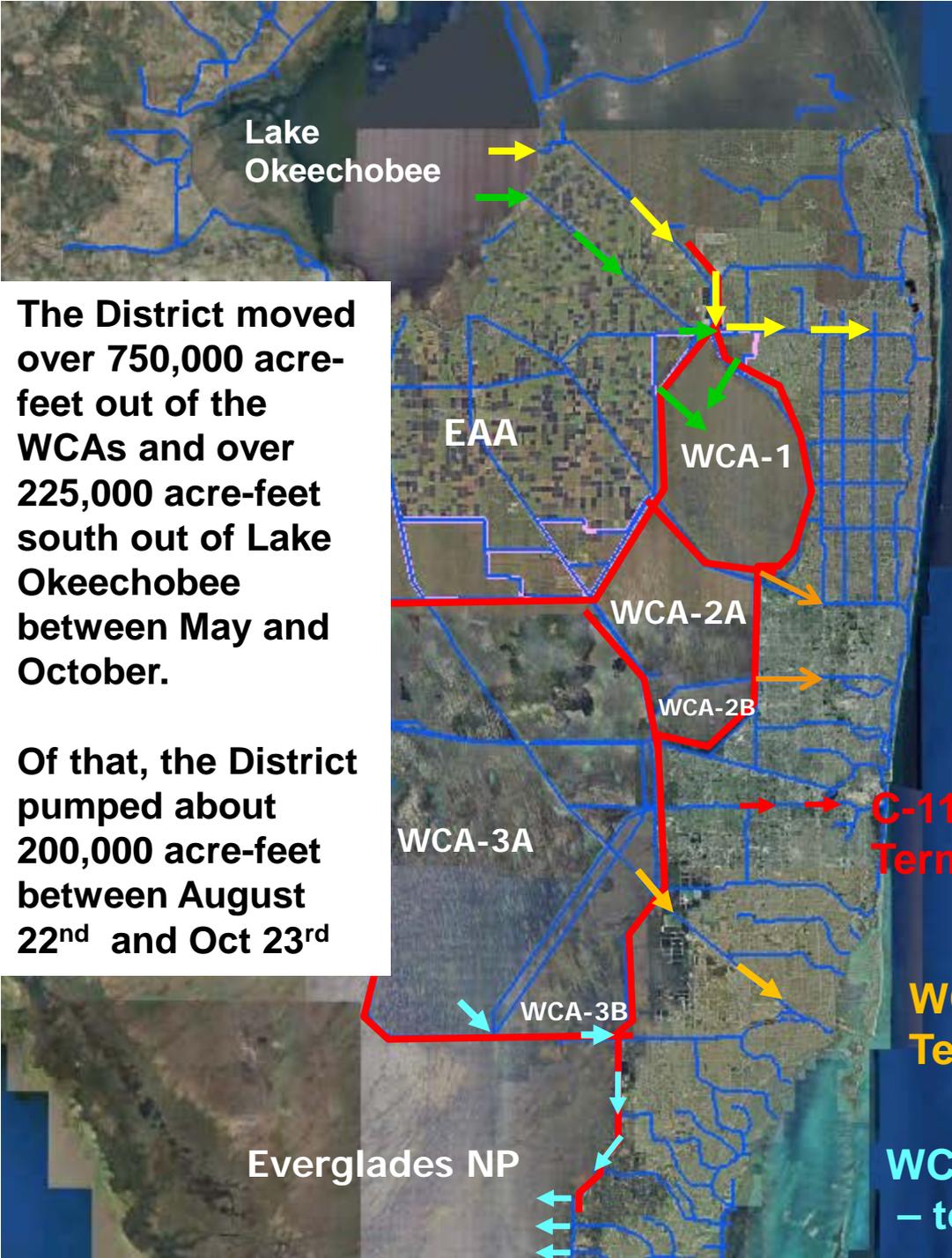
C-11 West – S13A – S13 (Pump) – to tide: Terminated on 10/22/2013

WCA-3 – C-6 – S-26 (Pump) – to tide: Terminated 10/13/2013

WCA3 – Tamiami Canal – SDCS (Pump) – to ENP: terminated 10/17/2013

The District moved over 750,000 acre-feet out of the WCAs and over 225,000 acre-feet south out of Lake Okeechobee between May and October.

Of that, the District pumped about 200,000 acre-feet between August 22nd and Oct 23rd



QUESTIONS?



PM12:37 NOV/ 6/2013

Homestead Field Station maintaining the C-111 – Frog Pond restorations project area by chopping cane grass on the containment levees.