

# Southeastern Federal Power Alliance

## Hydrologic Outlook and Lake Level Projections

Trent Ferguson, PE

SAD Water Management

October 9, 2013



®

US Army Corps of Engineers  
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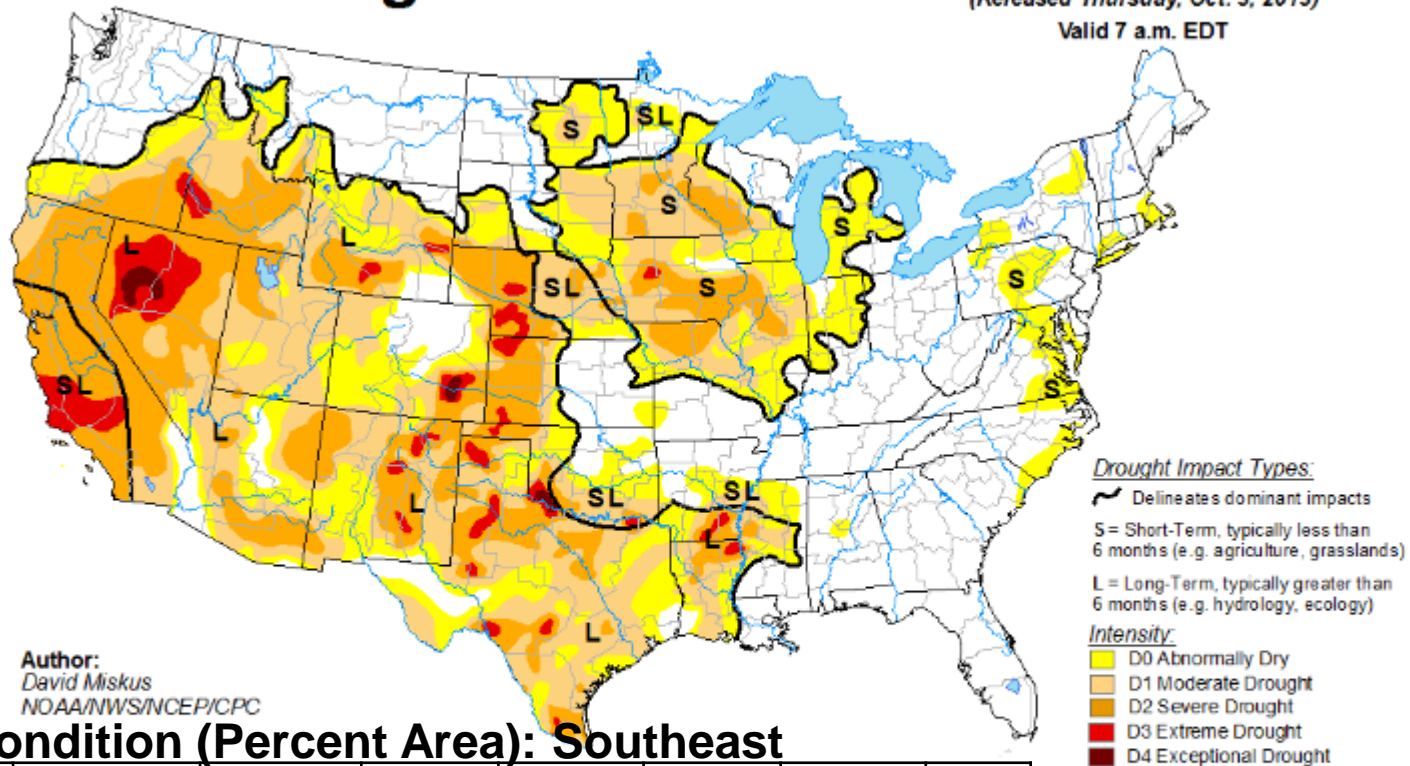
# Outline

- Climatology
- Reservoir Outlook
- Questions

# U.S. Drought Monitor

## U.S. Drought Monitor

October 1, 2013  
(Released Thursday, Oct. 3, 2013)  
Valid 7 a.m. EDT



Author:  
David Miskus  
NOAA/NWS/NCEP/CPC

### Drought Condition (Percent Area): Southeast

Week	Date	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	10/1/2013	90.7	9.30	0.00	0.00	0.00	0.00
Start of Calendar Year	1/1/2013	29.15	70.85	45.65	20.64	9.58	2.10

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

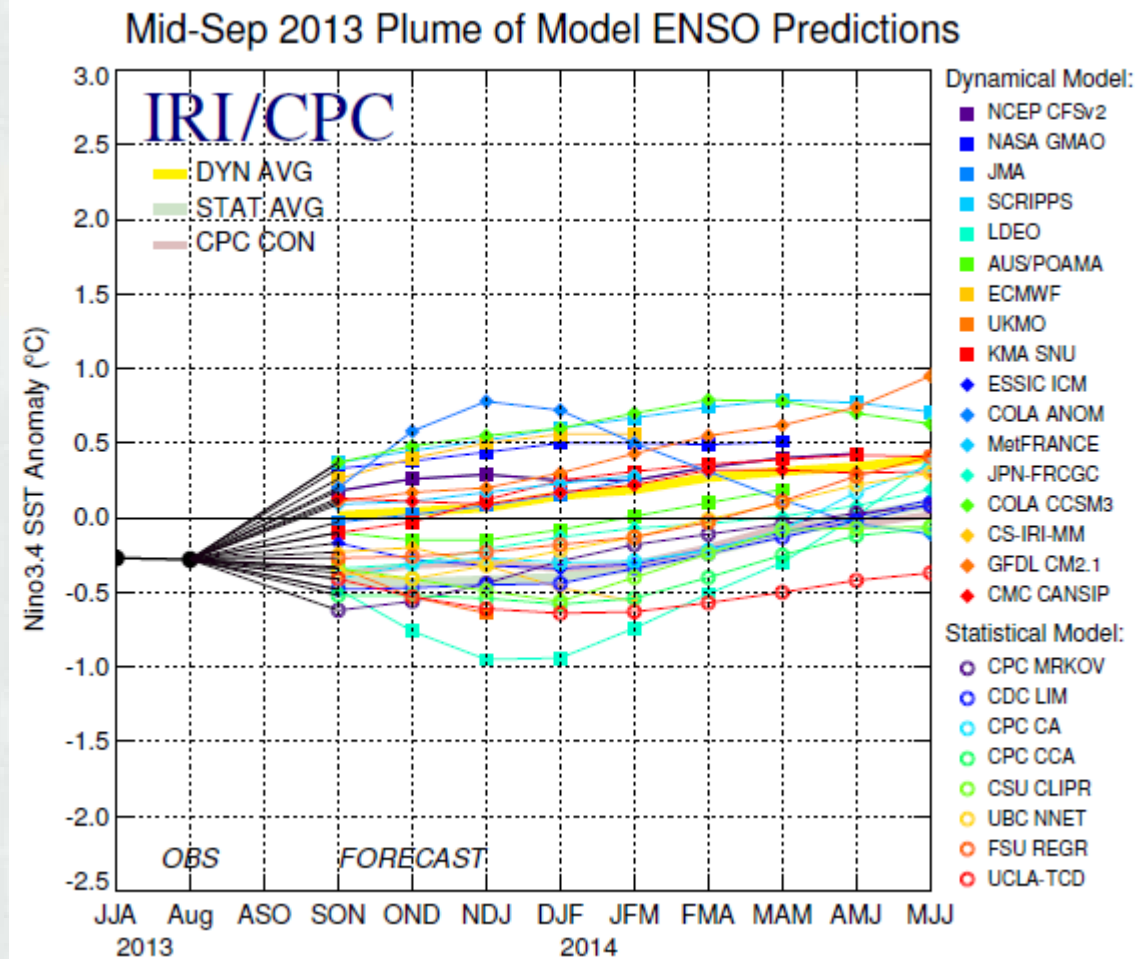


[droughtmonitor.unl.edu/](http://droughtmonitor.unl.edu/)

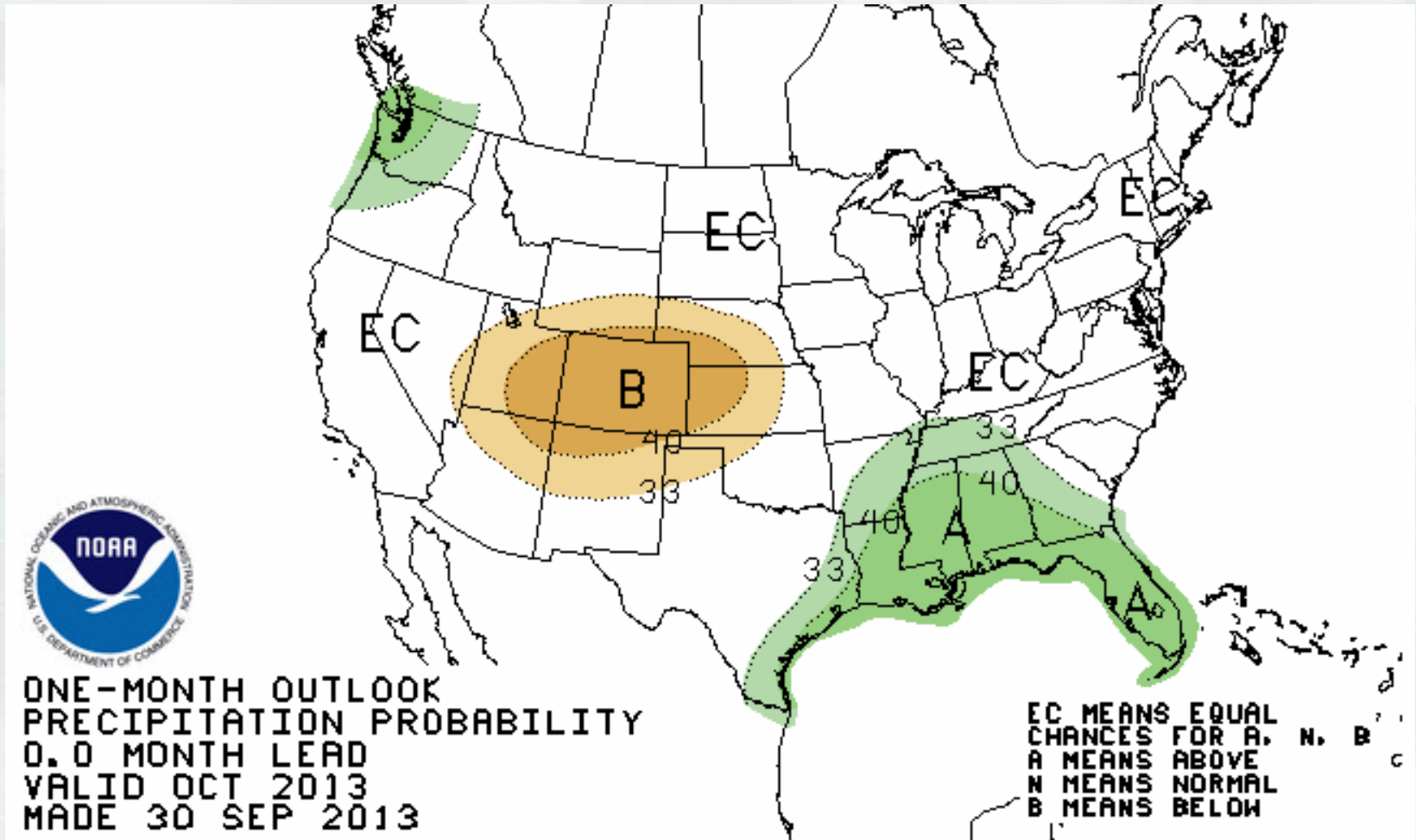


# El Nino/Southern Oscillation (ENSO)

- Most ENSO prediction models indicate a continuation of neutral ENSO through 2013 and the first quarter of 2014.



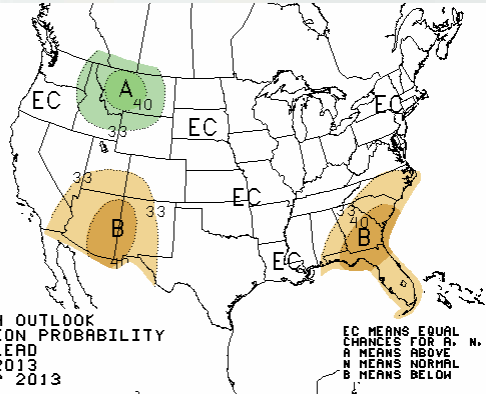
# One-Month Outlook (October) Precipitation Probability



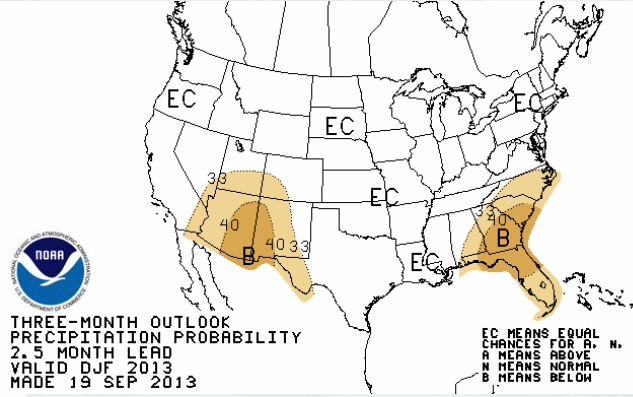


# Seasonal Precipitation Probability

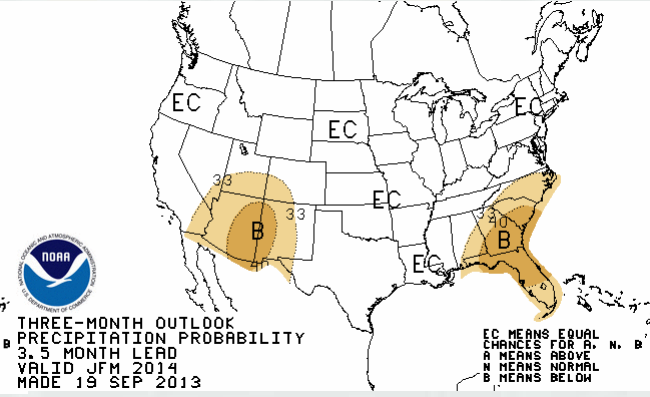
Nov-Dec-Jan



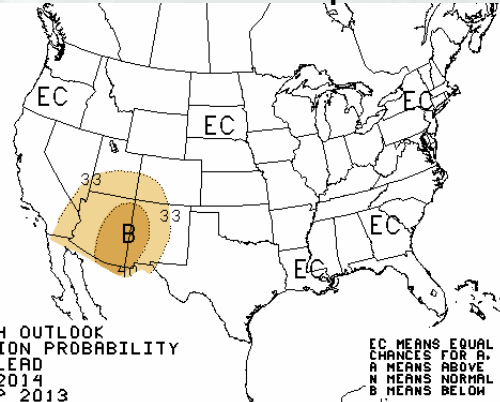
Dec-Jan-Feb



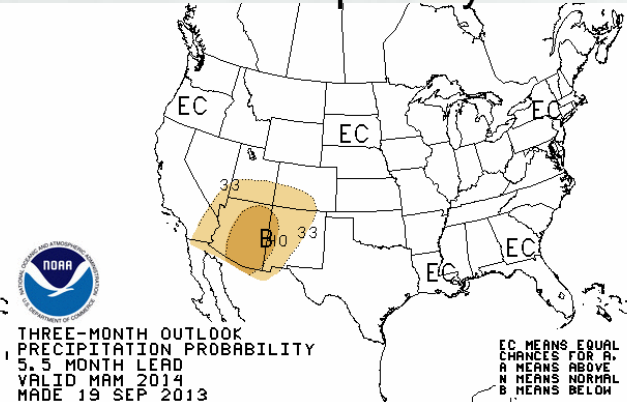
Jan-Feb-Mar



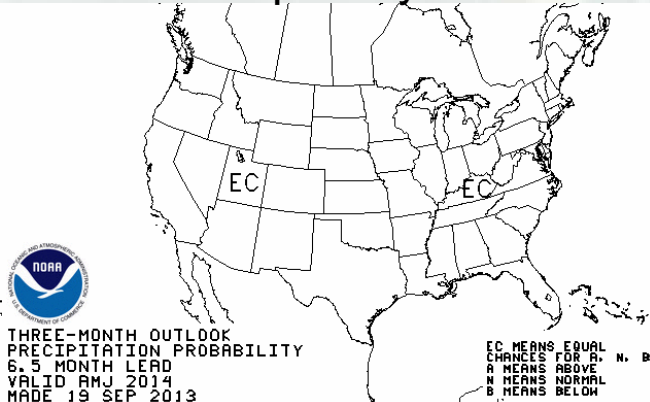
Feb-Mar-Apr



Mar-Apr-May



Apr-May-Jun



# Current Reservoir Elevations

	10/6/2013			10/6/2012	
	Guide Curve (ft)	Current Elevation (ft)	Depth Below Guide Curve (ft)	Current Elevation (ft)	Depth Below Guide Curve (ft)
<b>ACF River Basin - Mobile District</b>					
Buford	1070.92	1071.70	-0.78	1063.00	7.92
West Point	635.00	634.88	0.12	626.18	8.82
George	189.84	189.17	0.67	185.57	4.27
Woodtuff		76.47		76.60	
<b>ACT River Basin - Mobile District</b>					
Allatoona	838.88	838.92	-0.04	833.52	5.36
Carters	1073.33	1074.30	-0.97	1071.10	2.23
R.F. Henry		125.08		125.25	
Millers Ferry		79.76		79.34	
<b>Savannah River Basin - Savannah District</b>					
Hartwell	660.00	660.30	-0.30	648.33	11.67
Russell	475.00	473.90	1.10	473.11	1.89
Thurmond	330.00	329.17	0.83	317.17	12.83
<b>Roanoke River Basin - Wilmington District</b>					
Philpot	971.50	972.10	-0.60	967.47	4.03
Kerr (John H)	299.10	297.64	1.46	294.61	4.49

# Questions

“Whiskey is for drinking, Water is for fighting”, Mark Twain

