



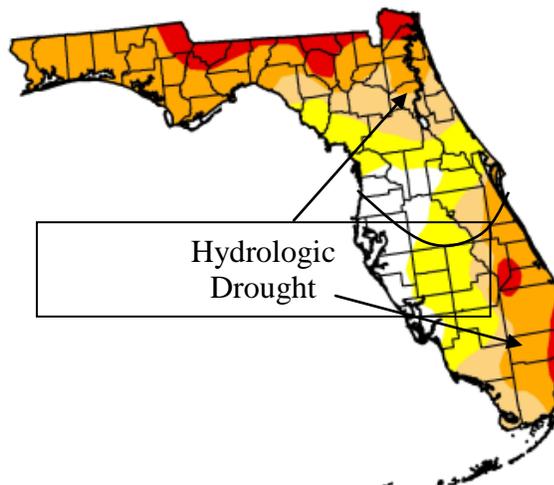
**Drought Status and Climate Outlook for Upcoming 12 Months  
FWS SFESO – Vero Beach, FL  
August 16, 2011**

**Short Term Drought Map:**

**U.S. Drought Monitor**  
**Florida**

**August 9, 2011**  
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	11.34	88.66	65.92	47.37	9.96	0.00
Last Week (08/02/2011 map)	11.34	88.66	65.92	47.37	17.72	0.00
3 Months Ago (05/10/2011 map)	8.72	91.28	75.91	53.40	17.15	0.00
Start of Calendar Year (12/28/2010 map)	0.18	99.82	86.04	50.84	20.21	0.00
Start of Water Year (09/28/2010 map)	54.97	45.03	18.02	4.22	0.00	0.00
One Year Ago (08/03/2010 map)	88.13	11.87	2.05	0.00	0.00	0.00



Intensity:

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

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

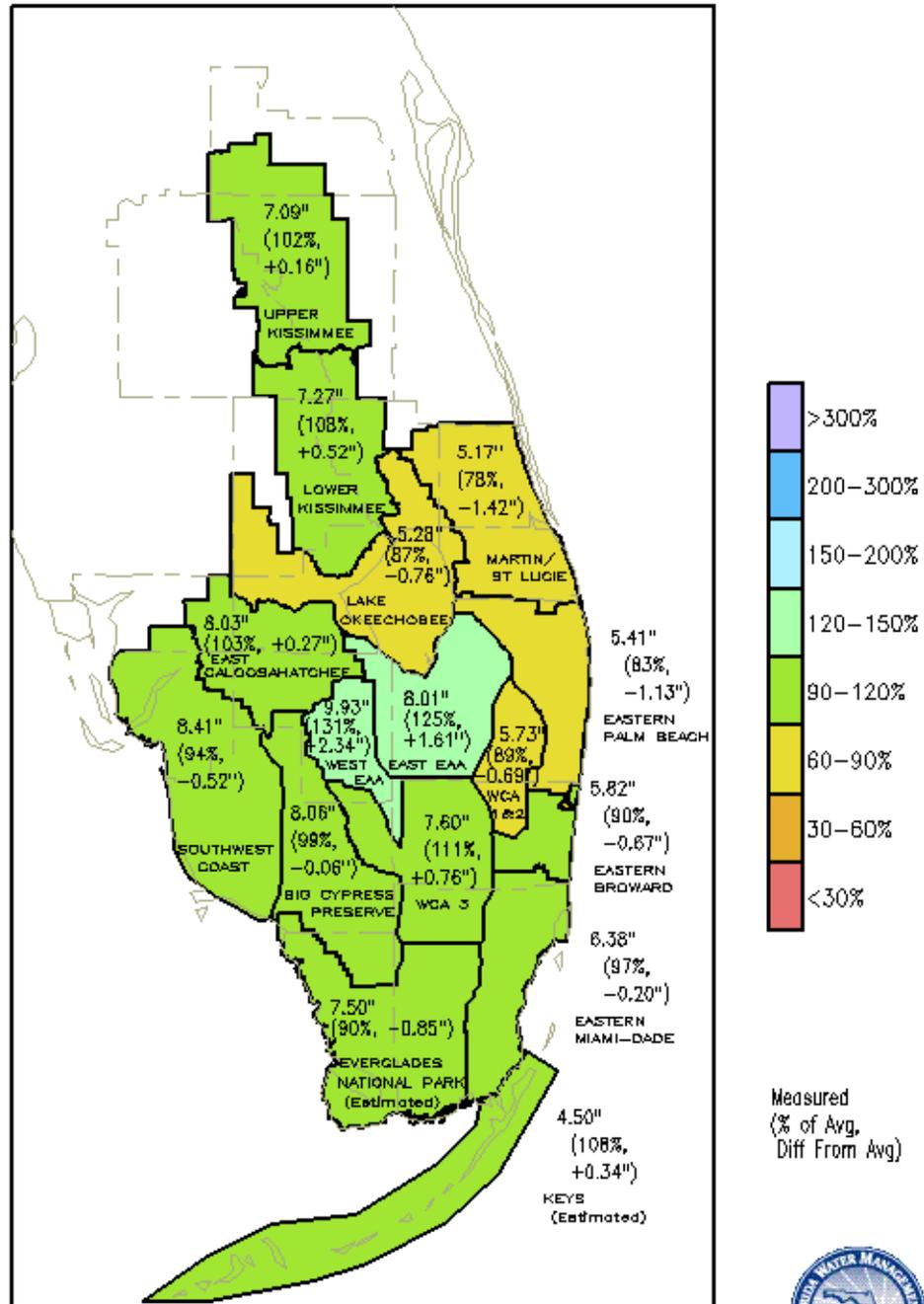
<http://drought.unl.edu/dm>



Released Thursday, August 11, 2011  
Laura Edwards, Western Regional Climate Center

**Synopsis:** Agricultural drought conditions (surface conditions) have improved over Florida’s peninsula due to wet season sea breeze rainfall and rainfall produced by a weak tropical wave in July. However, moderate to extreme drought conditions continue on a hydrologic basis (sub-surface conditions) due to an existing long term deficit in eastern Florida. Abnormally dry conditions are occurring over the Florida interior and western Florida.

# SFWMD Rainfall 02-jul-2011 to 01-aug-2011



DISTRICT-WIDE: 7.08" (101%, +0.05")



GrADS: COLA/IGES

Rain totals for the month of July 2011.

## **Drought Impacts in the News:**

**State of Emergency** – In Florida, 27 counties (the majority of central and southern Florida) were declared natural disaster areas by the U.S. Department of Agriculture due to ongoing drought and heat since January 1. Counties include Brevard, Osceola, and Palm Beach – just to name a few. This declaration allows farmers and ranchers to apply for low-interest emergency loans from the Farm Service Agency. The Palm Beach Post – August 1, 2011.

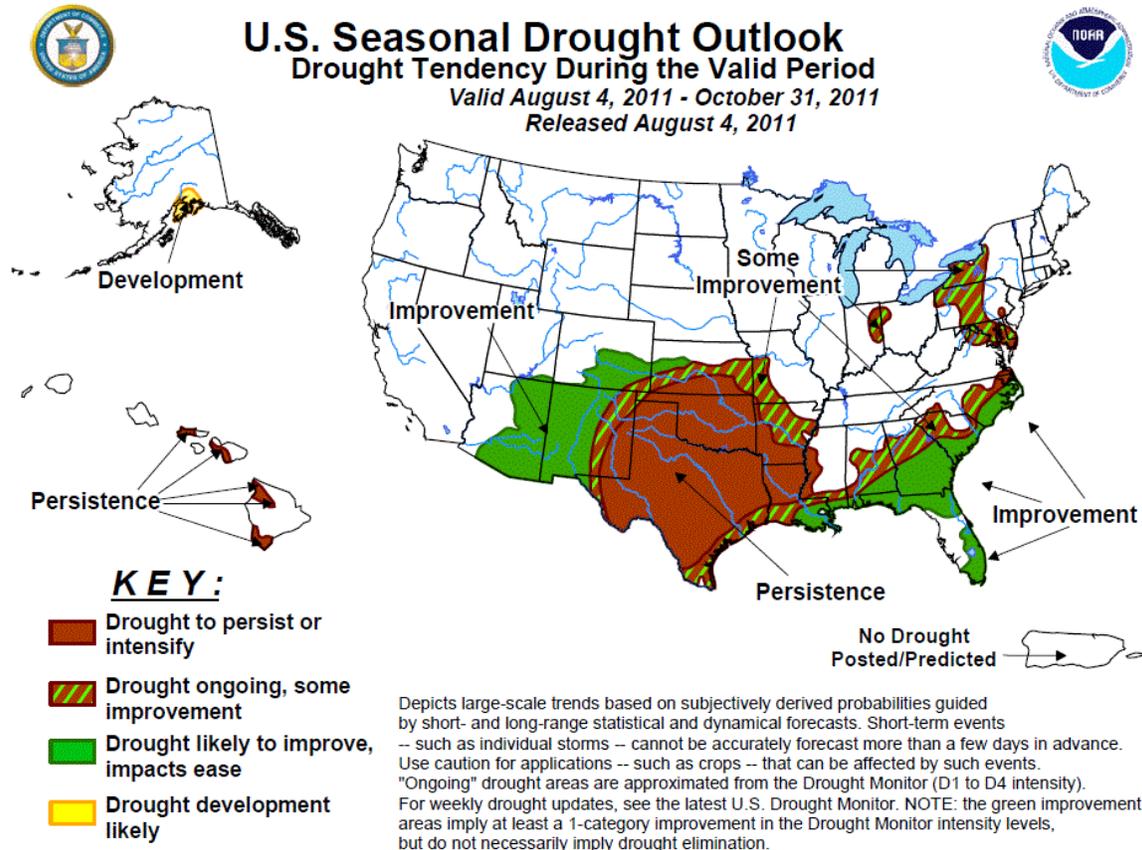
### **2011 Wet Season Totals (since June 1):**

Upper Kissimmee Chain of Lakes: 14.3" (normal)  
Lower Kissimmee Chain of Lakes: 13" (-1" below normal rain)  
Lake "O": 10.8" (-2" below normal rain)  
St. Lucie basin: 9.6" (-3.8" below normal rain)  
Caloosahatchee basin: 17" (normal)  
EAA: 15.5" (normal)  
Southwest Florida: 15.8" (-3" below normal rain)  
Coastal Palm County: 10.2" (-4.5" below normal rain)  
Coastal Broward County: 9.5" (-5.8" below normal rain)  
Lox & WCA-2: 11.8" (-2" below normal rain)  
WCA-3: 13.5" (-2" below normal rain)  
Coastal Dade County: 11.5" (-4" below normal rain)  
Big Cypress: 14.4" (-3.5" below normal rain)  
ENP: 13" (-4.2" below normal rain)  
The Keys: 6" (-2" below normal rain)

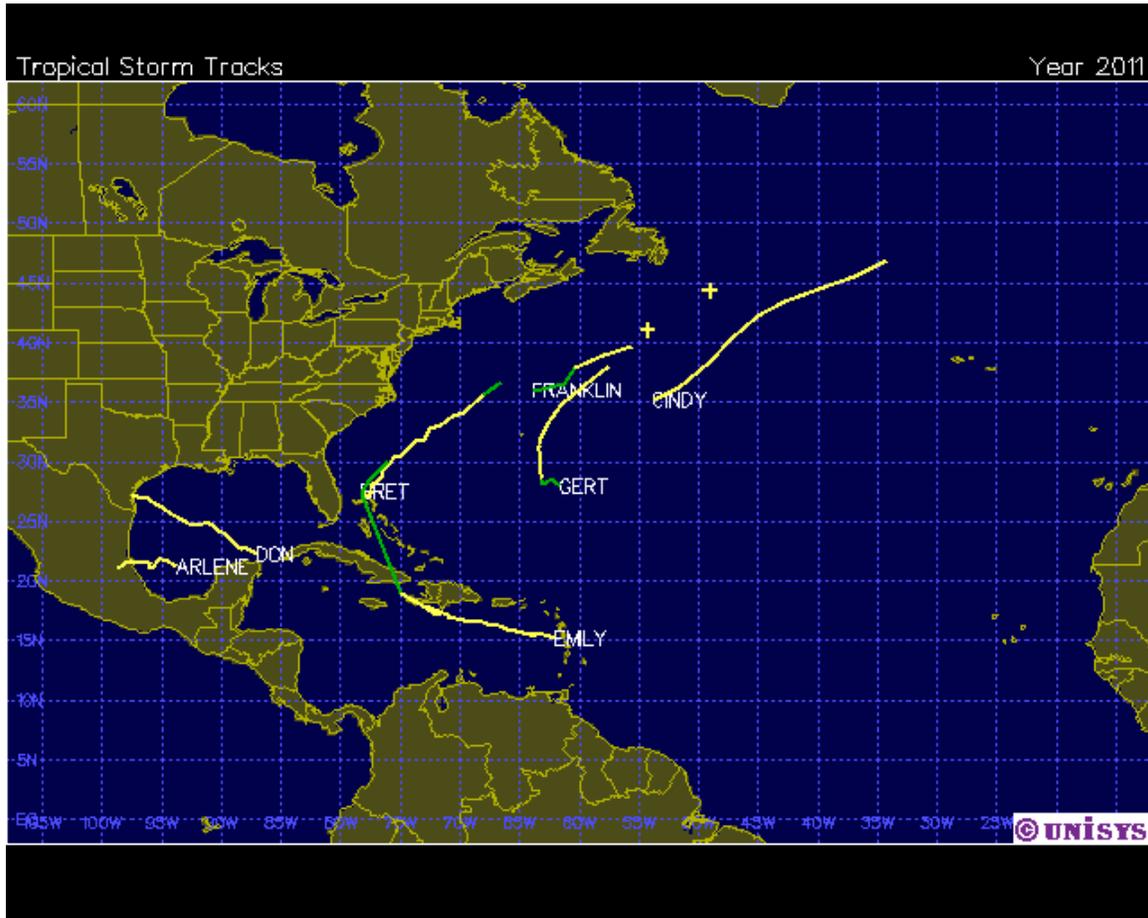
### **2011 Yearly Totals (January 1 – July 30):**

Upper Kissimmee Chain of Lakes: 28.6" (normal)  
Lower Kissimmee Chain of Lakes: 23.2" (-3.7" below normal rain)  
Lake "O": 19.3" (-6.2" below normal rain)  
St. Lucie basin: 19" (-9.5" below normal rain)  
Caloosahatchee basin: 26.3" (-3.7" below normal rain)  
EAA: 24" (-4.5" below normal rain)  
Southwest Florida: 25.5" (-6.6" below normal rain)  
Coastal Palm County: 19" (-13.54" below normal rain)  
Coastal Broward County: 18" (-13.3" below normal rain)  
Lox & WCA-2: 20.4" (-7.6" below normal rain)  
WCA-3: 20.7" (-8" below normal rain)  
Coastal Dade County: 20" (-10.3" below normal rain)  
Big Cypress: 23" (-8" below normal rain)  
ENP: 21.5" (-8.4" below normal rain)  
The Keys: 11.5" (-7" below normal rain)

## Drought Outlook for the Next 3 Months:



**2011 Hurricane Season tracks to date:**



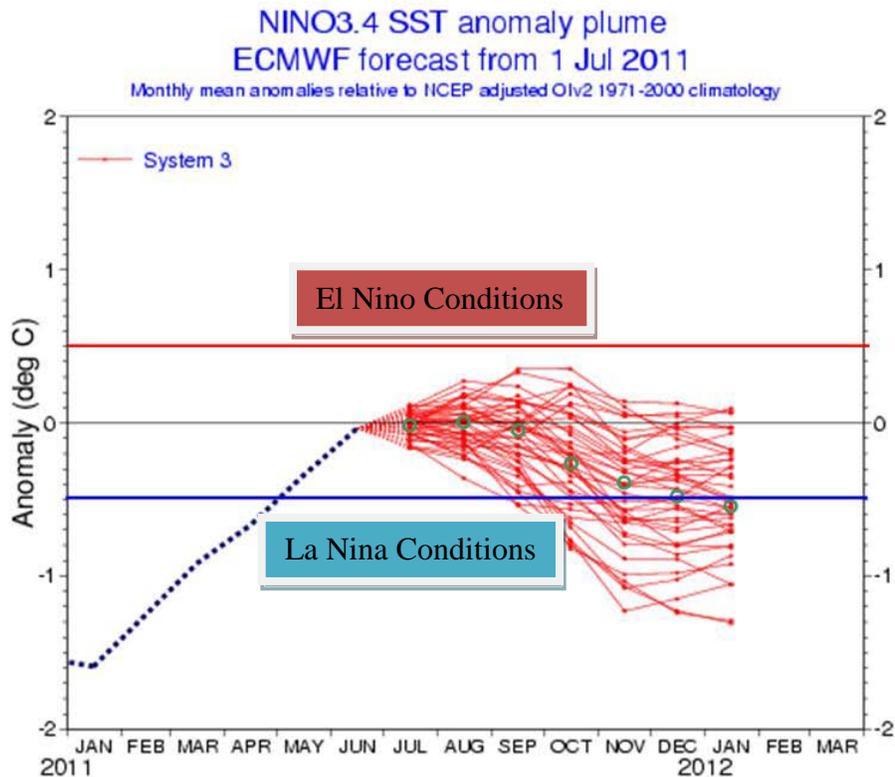
**2011 Atlantic Hurricane Season Outlook:**

Cyclone	Normal	12/8/2010 Issued Forecast	4/6/2011 Issued Forecast	6/1/2011 Issued Forecast	8/3/2011 Issued Forecast	12/1/2011 Season Recap			
Named Storms	10	17	16	16	16				
Hurricanes	6	9	9	9	9				
Major Hurricanes	2	5	5	5	5				

<b>Probability of a Major Hurricane landfall on the U.S east coast (inc. Florida)</b>	Normal = 31%	2011 Prediction = 46%
<b>Probability of a Major Hurricane landfall on the Gulf coast (inc. Florida)</b>	Normal = 30%	2011 Prediction = 45%

**El Nino / La Nina (ENSO) Status – La Nina 2011/2012 Watch has been issued (Climate Prediction Center)**

ENSO-neutral conditions are occurring after La Nina dissipated in May 2011. However, there are still aspects of a La Nina lingering in atmospheric circulations in the global tropics. Most models continue to predict ENSO-neutral to continue through fall 2011. However, half of the models have shifted towards a La Nina redeveloping in January 2012 while the other half continue to predict ENSO-neutral through the dry season. The La Nina forecast is supported by the ongoing La Nina-like tropical atmosphere, subsurface temperature trends, and the historical tendency for significant wintertime La Nina episodes to be followed by relatively weaker La Nina episodes the following dry season. In summary, ENSO-neutral is expected through fall 2011, with ENSO-neutral or La Nina equally likely thereafter. Uncertainty in the models beyond the fall is high due to lower model forecast skill for longer lead times during this time of year.



Forecast Models – green circles are the median monthly value with La Nina being predicted by January 2012.

**Central & South Florida Temperature Outlook:**

- August thru September - Much Above
- October - Above
- November thru December – Normal
- January thru April 2012 – Slightly Below Normal
- May 2012 – Normal
- June thru 2012 –Above

**Central & South Florida Rainfall Outlook:**

- August thru September – Much Above Normal
- October – Above normal
- November thru December – Normal
- January thru April 2012 – Slightly Below Normal
- May 2012 – Normal
- June thru July 2012 – Above Normal

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