



**Drought Status and Climate Outlook for Upcoming Year
FWS SFESO – Vero Beach, FL
February 15, 2011**

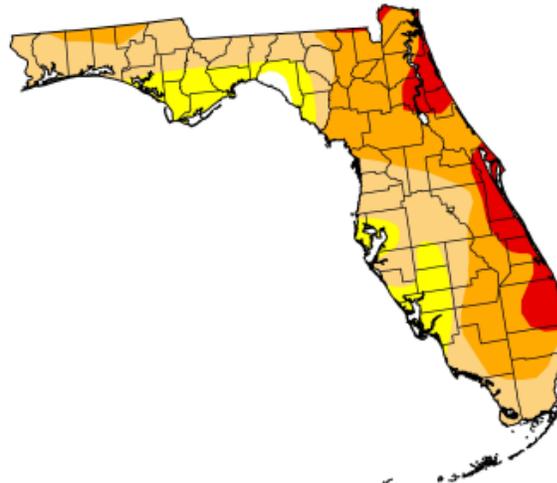
Short Term Drought Map for Last Week:

U.S. Drought Monitor

February 8, 2011
Valid 7 a.m. EST

Florida

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.87	99.13	84.98	47.58	10.58	0.00
Last Week (02/01/2011 map)	0.87	99.13	84.98	50.76	13.71	0.00
3 Months Ago (11/09/2010 map)	11.60	88.40	48.73	30.14	4.28	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 (02/02/2010 map)	100.00	0.00	0.00	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, February 10, 2011
M. Rosencrans, CPC/NOAA

Synopsis: A cold front brought up to 5.5 inches of rain north of the I-4 corridor across the northern half of Florida recently. However, this rain did little to alleviate drought conditions. In the southern half of Florida, the dry season continued to exacerbate the drought where extreme drought conditions (D4) have spread southward along the east coast into South Florida. Farther inland, stream flows indicate D0-D1 (abnormal dryness through moderate drought) conditions have worsened. One-month rainfall deficits are between 2 and 3 inches across south Florida. Lake Okeechobee remained about the same last week which is around 12.47 feet compared to the average of 14.63 feet. This is 2.16 feet below normal for this time of year.

2010-2011 Dry Season Totals:

Upper Kissimmee Chain of Lakes: 7.3" (-.9" below normal rain)

Lower Kissimmee Chain of Lakes: 5.8" (-.7" below normal rain)

Lake "O": 4.4" (-1.9" below normal rain)

St. Lucie basin: 4.6" (-4.1" below normal rain)

Caloosahatchee basin: 5.3" (-1.4" below normal rain)

EAA: 4.1" (-2.3" below normal rain)

Southwest Florida: 5.8" (-1.1" below normal rain)

Coastal Palm Beach County: 5.0" (-6.5" below normal rain)

Coastal Broward County: 4.6" (-4.3" below normal rain)

Lox & WCA-2: 4.5" (-3.2" below normal rain)

WCA-3: 3.9" (-4.3" below normal rain)

Coastal Dade County: 6.5" (-1.2" below normal rain)

Red = >50% below normal rainfall

2011 Yearly Total:

Upper Kissimmee Chain of Lakes: 4.9" (+1.5" above normal rain)

Lower Kissimmee Chain of Lakes: 3" (+.2" above normal rain)

Lake "O": 2.5" (-.25" below normal rain)

St. Lucie basin: 2.8" (-.6" below normal rain)

Caloosahatchee basin: 2.8" (-.1" below normal rain)

EAA: 2.4" (-.4" below normal rain)

Southwest Florida: 2.6" (-.6" below normal rain)

Coastal Palm County: 2.8" (-1.6" below normal rain)

Coastal Broward County: 1.6" (-1.9" below normal rain)

Lox & WCA-2: 1.7" (-1.4" below normal rain)

WCA-3: 1.7" (-1.1 below normal rain)

Coastal Dade County: 3.2" (+.3 above normal rain)

Upper Keys: 2.4" (-1.3" below normal rain)

Lower Keys: 2.6" (-.4" below normal rain)

Green = >100% above normal rainfall

Black = near normal

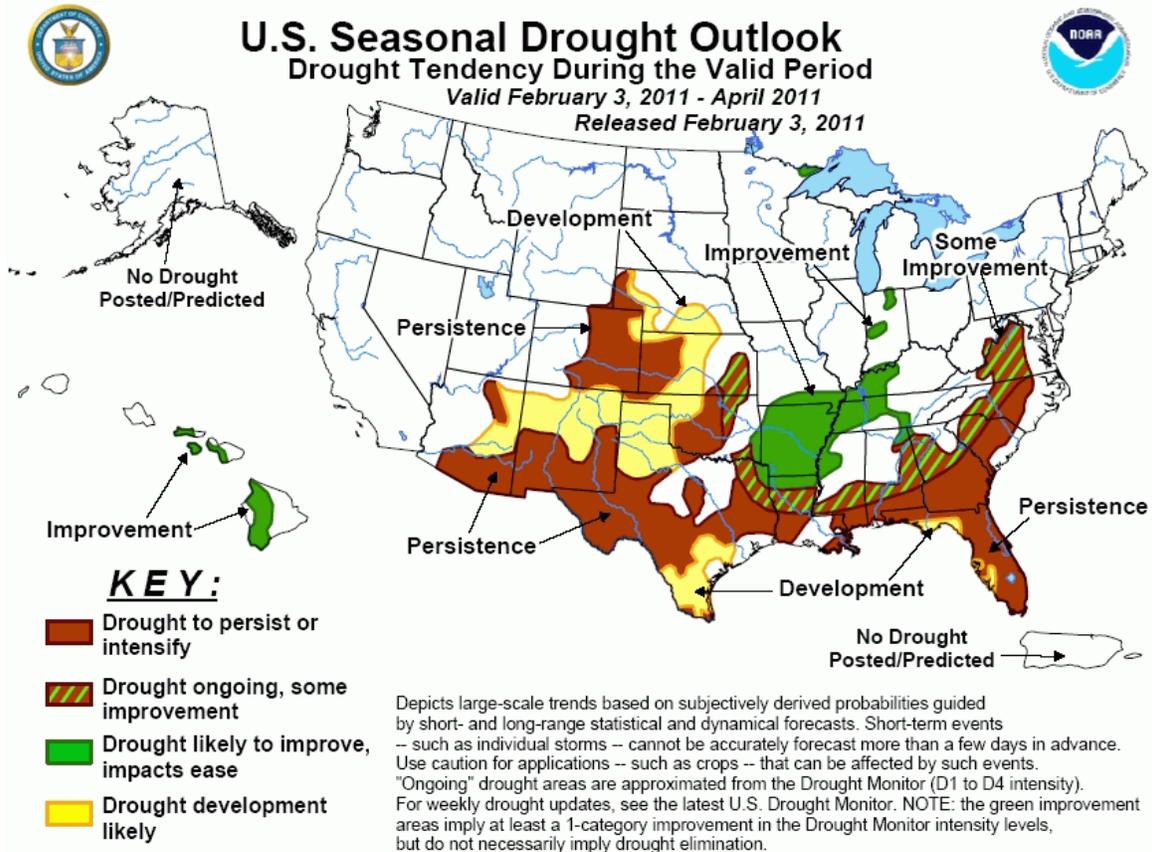
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Cool and Wet January for the Florida Keys

(NWS Key West)

"Cooler December gave way to a cool January for the Florida Keys. It was the 6th wettest January for Key West in 30 years and the wettest January on record for Marathon."

Drought Outlook for the Next 3 Months:



2011 Atlantic Hurricane Season Outlook:

Cyclone	Normal	12/8/2010 Issued Forecast							
Named Storms	10	17							
Hurricanes	6	9							
Major Hurricanes	2	5							

Probability of a Major Hurricane landfall on the U.S east coast (inc. Florida)	Normal = 31%	2011 Prediction = 49%
Probability of a Major Hurricane landfall on the Gulf coast (inc. Florida)	Normal = 30%	2011 Prediction = 48%

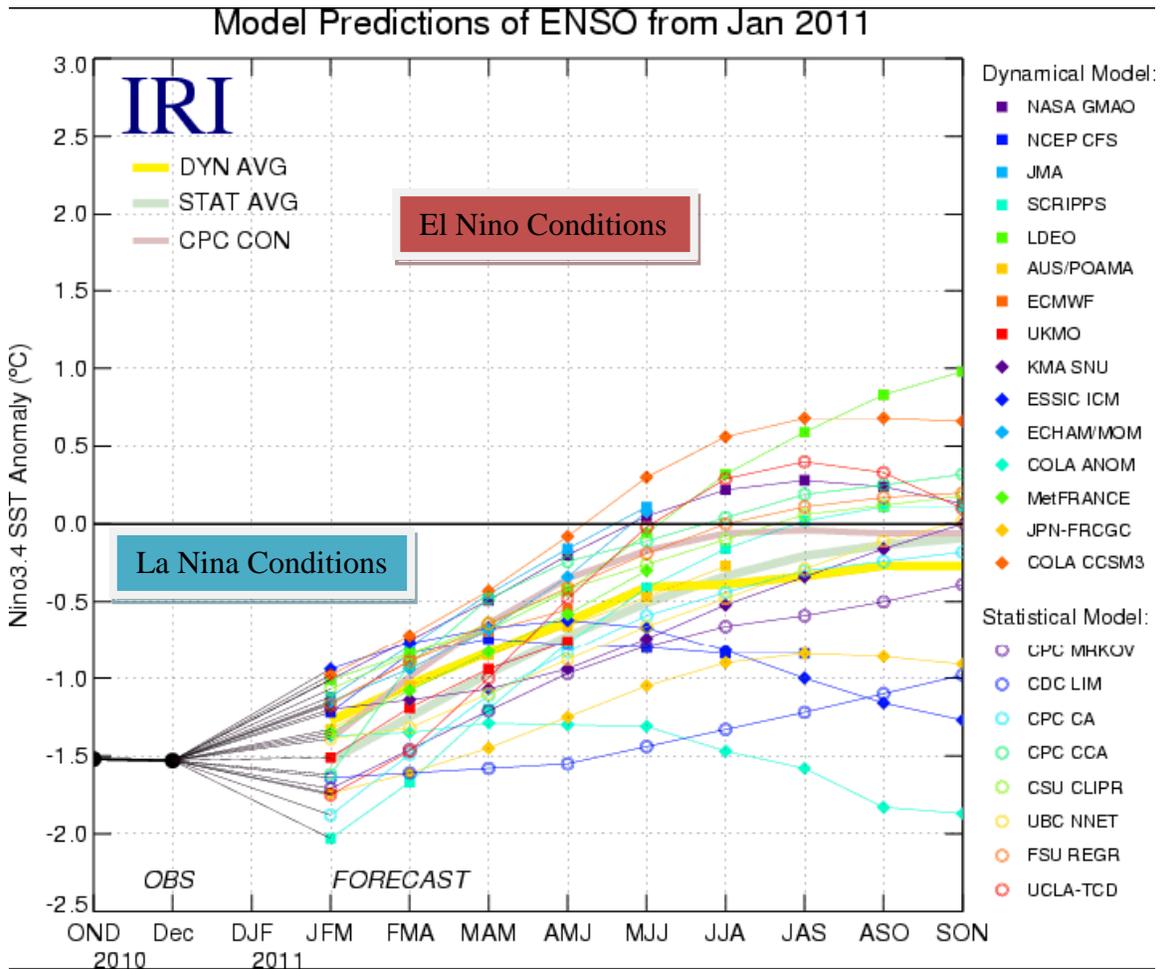
2010 Ties Record for World's Warmest Year

(Science Daily-Jan. 20, 2011)

"The year 2010 ranked as the warmest year on record, together with 2005 and 1998, according to the World Meteorological Organization. In 2010, the global average temperature was 0.53°C (0.95°F) above the 1961-90 mean. Arctic sea-ice cover in December 2010 was the lowest on record, with an average monthly extent of 12 million square kilometers, 1.35 million square kilometers below the 1979-2000 average for December. This follows the third-lowest minimum ice extent recorded in September."

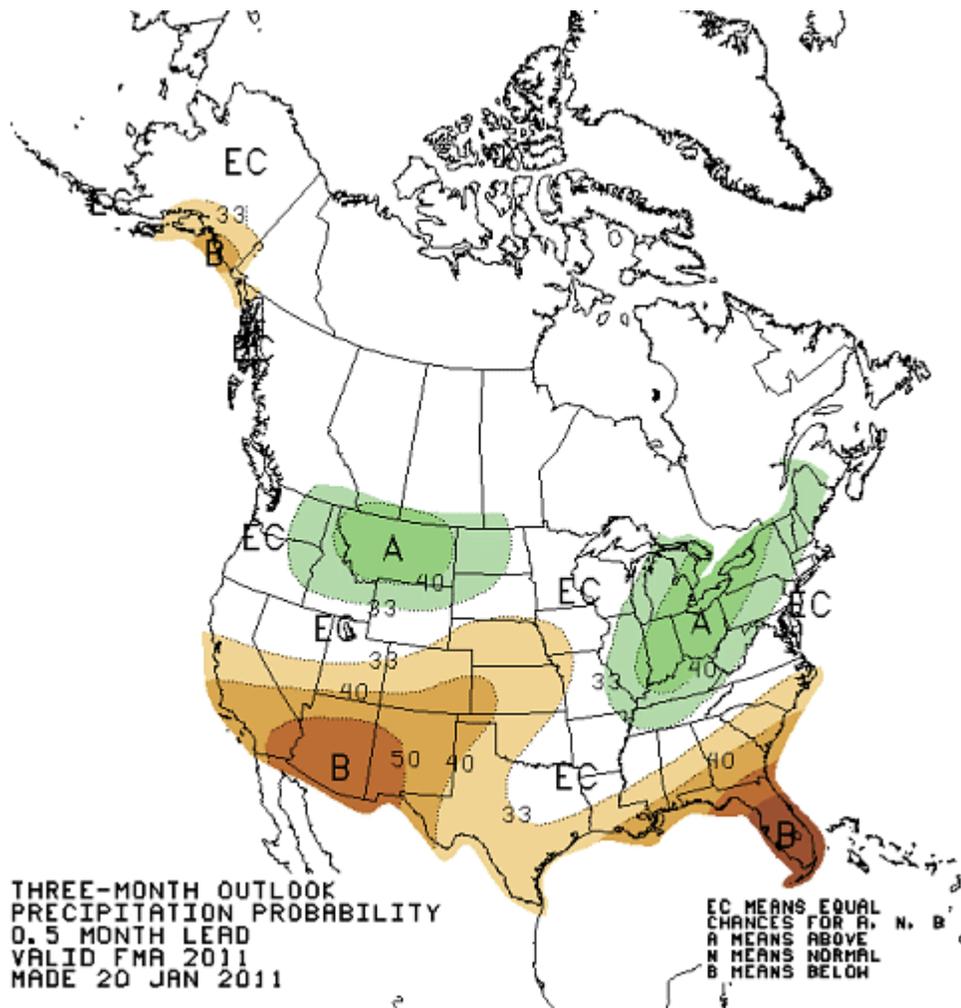
El Nino / La Nina (ENSO) Status – **La Nina Advisory!** (Climate Prediction Center)

La Nina continued during January; however it began to weaken and should continue to do so through spring 2011. A majority of climate models predict a return to ENSO "neutral" conditions during the upcoming summer, with some models predicting a persistence of a weaker La Nina.



Likely La Nina impacts in Florida Winter 2010 – spring 2011

- Dry or drought conditions.
- Below average surface water levels.
- Normal to slightly above normal temperatures (the stronger the La Nina event, the warmer our winter will be).
- More fires with larger burn areas.



Central & South Florida Temperature Outlook:

February – Above
March thru April – Normal
May – Above
June thru August – Much Above
September – Above
October thru January 2012 – Normal

Central & South Florida Rainfall Outlook:

February thru April – Much Below Normal
May – Below Normal
June thru July – Normal

August thru October – Above Normal
November thru January 2012 - Normal

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