Climate Review for the month of May 2011

Presented by: BelMel Publishing

Summary

May was a warm and dry month, with temperatures reaching into the 90s during the last two weeks of the month as record breaking highs occurred on May 31. We continue to have a La Nina pattern across the area, some locations such as New Bern, Beaufort, Greenville, Kinston and Aurora observed their driest May since record-keeping began. We had a series of shortwaves and cold fronts that produced rainfall, but not enough to improve drought conditions in Eastern North Carolina. Drought conditions have worsened across most of the area, taking us to a D2 (Severe Drought).

Average Temperatures within our CWA

	Avg_ Max	Avg_Max Normal	Avg_ Min	Avg_Min Normal
Beaufort	79.9	na	64.2	na
Cape Hatteras	78.5	74.9	65.1	60.2
New Bern	82.7	79.0	58.4	58.7
Greenville	82.7	79.3	58.7	57.3
Kinston AG	82.9	83.4	60.0	56.8
Williamston	79.0	78.2	57.4	56.4
Plymouth	81.4	80.8	57.7	56.8
Aurora	80.8	78.8	62.8	57.5
Bayboro	81.2	80.5	55.2	57.4

Overall, average Max & Min temperature were near to above normal this month.

Average temperatures were 1 to 4 degrees above normal.

Max and Min Temperature within our CWA

	MAX	MIN	# of Days ≥ 90° F
Beaufort	99	49	1
Cape Hatteras	91	52	1
New Bern	98	44	5
Greenville	100	45	7
Kinston AG	97	45	6
Williamston	91	44	3
Plymouth	96	43	6
Aurora	95	50	4
Bayboro	95	43	4

All the counties within our CWA have reached to the 90s, with Greenville (Water Treatment Plant) reaching 100° F. There were some cool nights during the first half of the month.

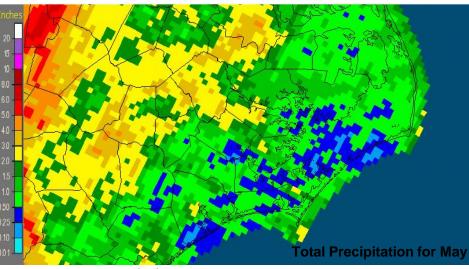
May's Rain versus Normal

	Precipitation (inches)	Normal	Differences
Beaufort	0.66	na	na
Cape Hatteras	0.53	3.92	-3.39
New Bern	0.47	4.19	-3.72
Greenville	1.3	4.05	-2.75
Kinston AG	0.53	3.87	-3.34
Williamston	2.16	4.09	-1.93
Plymouth	1.21	4.5	-3.29
Aurora	0.59	4.26	-3.67
Bayboro	1.44	4.71	-3.27

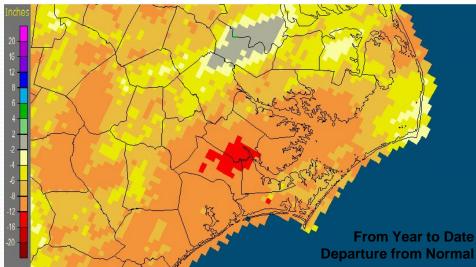
Most of the rainfall was to the NW section of our CWA. Precipitation totals generally ranged from ~0.50 to 2.0 inches over the area with the higher precipitation totals were to the NW section of our CWA.

Since January, our CWA is below normal on precipitation amounts. (look @ bottom graphic)

Newport/Morehead City, NC (MHX): May, 2011 Monthly Observed Precipitation Valid at 6/1/2011 1200 UTC- Created 6/3/11 21:44 UTC

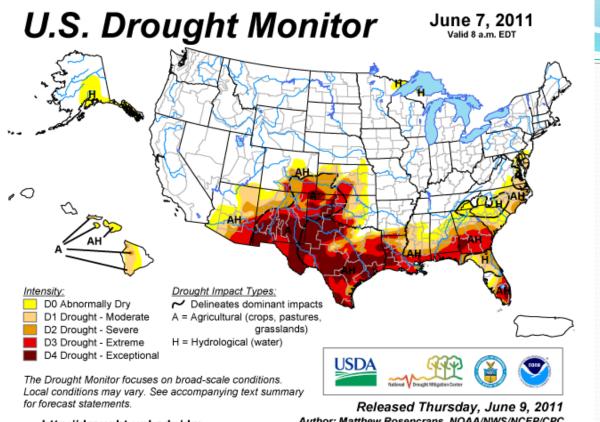


Newport/Morehead City, NC (MHX): Current Year to Date Departure from Normal Precipitation Valid at 6/11/2011 1200 UTC- Created 6/11/11 19:58 UTC



May's Driest Ranking

	Starting Year of Data Collection	May 2011 Ranking (Driest)	# 1 May Ranking
Beaufort	2000	1 st	Previous was 2007 w/ 0.90"
Cape Hatteras	1893	3 rd	1997 w/ 0.35"
New Bern	1948	1 st	Previous was 1982 w/ 0.99"
Greenville	1875	11 th	1876 w/ 0.35"
Kinston AG	1966	1 st	Previous was 1987 w/ 0.76"
Williamston	1930	18 th	1959 w/ 0.57"
Plymouth	1945	4 th	1964 w/0.88"
Aurora	1973	1 st	Previous was 1985 w/ 0.59"
Bayboro	1968	3rd	1983 w/ 0.36"



http://drought.unl.edu/dm

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