Climate Review for the month November 2016

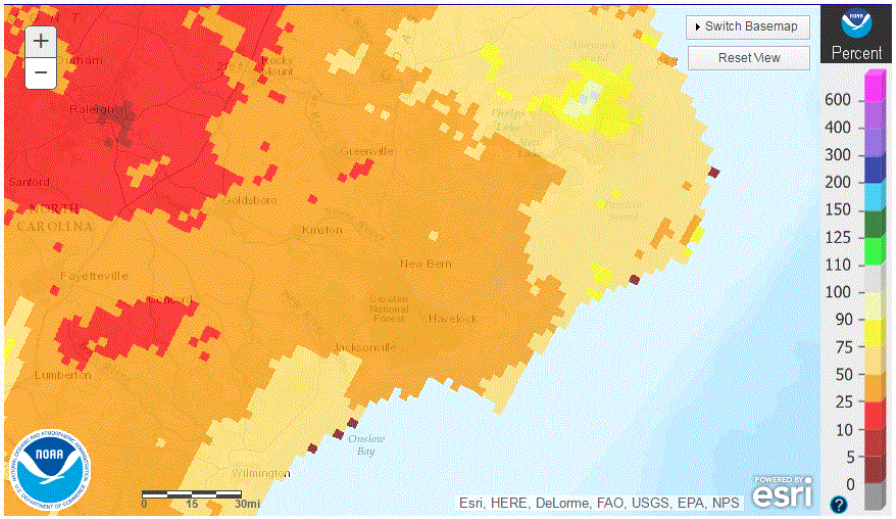
Presented by:

National Weather Service

Newport/Morehead City

November 2016 Summary

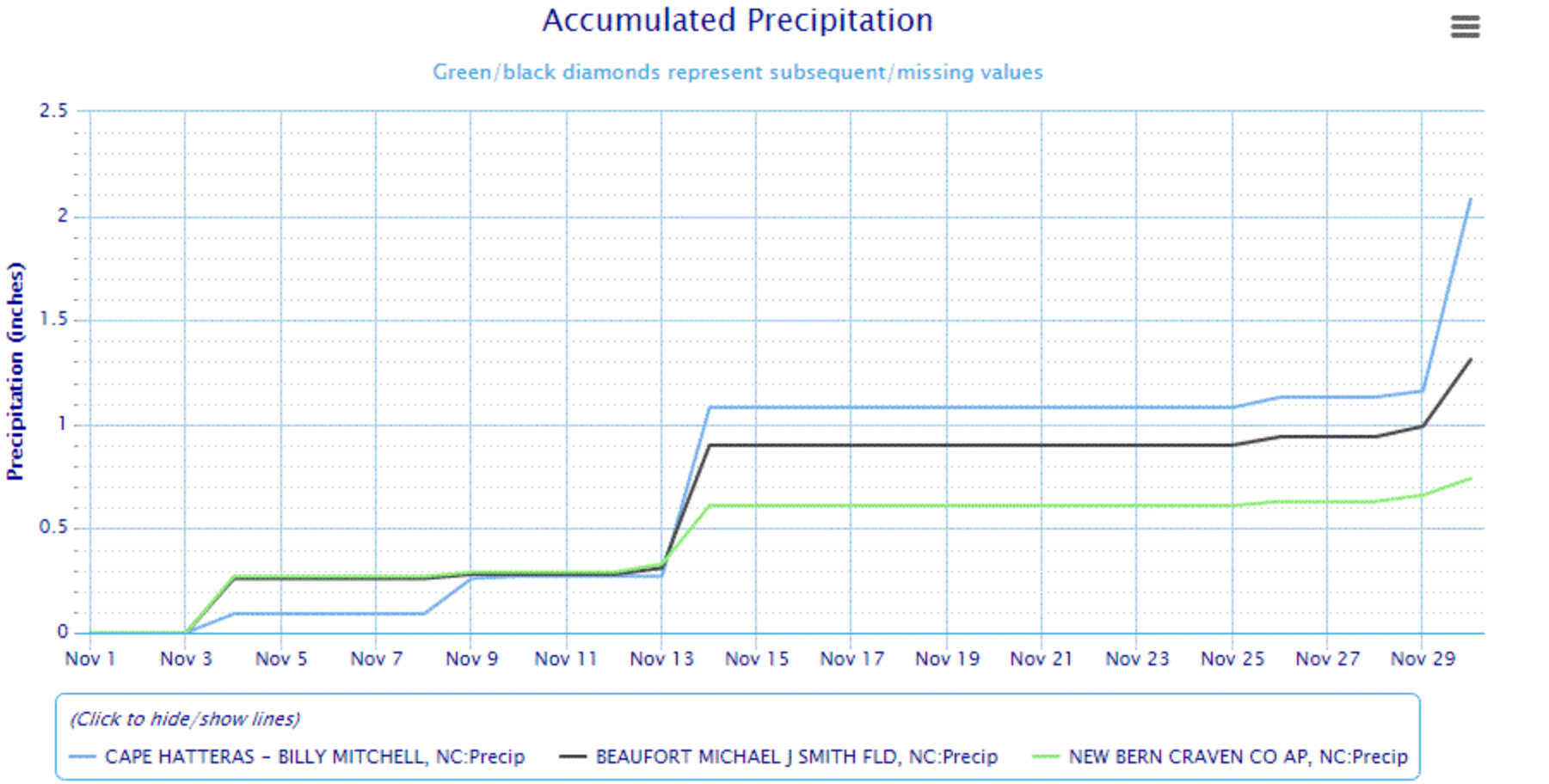
After a string of 4 straight months of well above normal temperatures, including a record warm July and August, and near records for September and October, temperatures in November 2016 finally returned to near or just slightly below normal across eastern North Carolina. This cooler weather was coupled with the driest month of 2016, which was much needed after destructive flooding in early September with Tropical Storm Hermine and especially in early October with Hurricane Matthew. Rainfall in November was 1 to 3 inches below normal area-wide with only areas near the Pamlico and Albemarle Sounds and in southern Onslow County topping 2 inches.



Percent of Normal Rainfall for November 2016.

DISCLAIMER : The climate data provided are preliminary and have not undergone final quality control by NCDC. Therefore…this data is subject to revision.

November 2016 Rainfall



A look at the very dry conditions in November with only 3 or 4 rain days during the month. Most of the area was at or below 2 inches of rainfall.

Average Temperatures within our CWA in November 2016

	Avg_ Max	Avg_Max Normal	Avg_ Min	Avg_Min Normal
Beaufort	66.6	65.8	46.2	47.8
Cape Hatteras	64.1	64.0	49.6	51.2
New Bern	66.3	66.4	41.6	43.9
Greenville	65.8	65.0	41.1	41.5
Kinston	65.4	65.1	38.6	40.4
Williamston	63.9	64.5	40.5	41.0
Plymouth	65.2	65.2	41.2	43.0
Bayboro	65.9	66.7	40.4	42.7

After four straight warm months, temperatures in November 2016 were near to below normal, especially for minimum temperatures which were mostly a degree or two below normal.

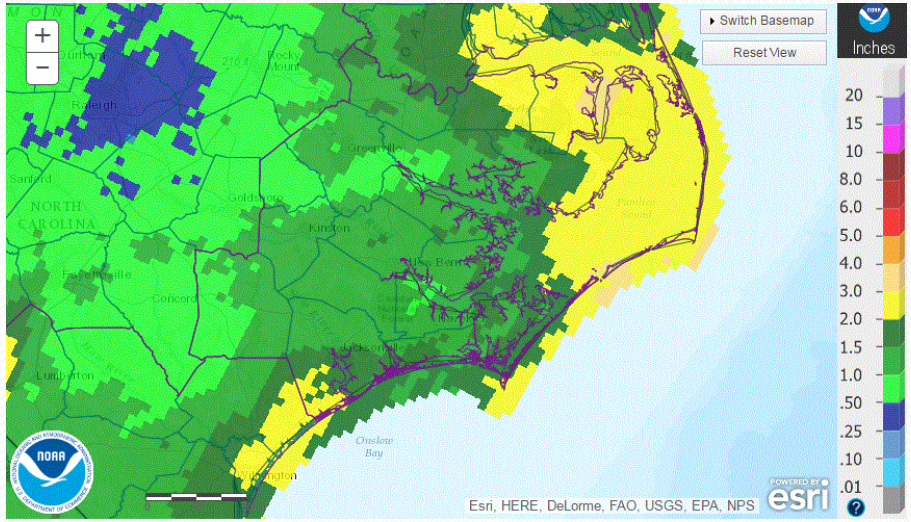
Max and Min Temperature within our CWA in November 2016.

	MAX	MIN
Beaufort	78	29
Cape Hatteras	76	35
New Bern	82	26
Greenville	82	24
Kinston	82	23
Williamston	82	26
Plymouth	81	24
Bayboro	81	29

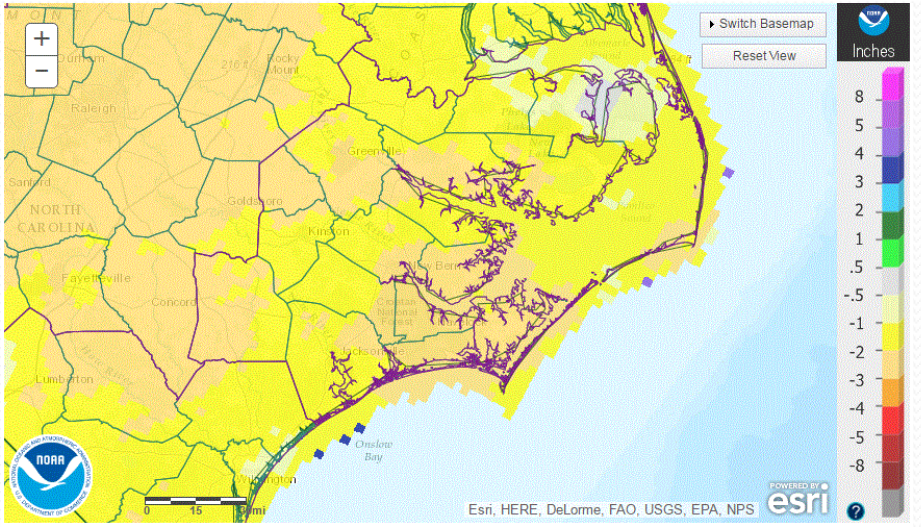
November 2016 Rain Versus Climate Normal

	Precipitation (inches)	Normal	Difference
Beaufort	1.31	3.87	-2.56
Cape Hatteras	2.08	4.95	-2.87
New Bern	0.74	3.40	-2.66
Greenville	1.06	3.12	-2.06
Kinston	0.75	3.10	-2.35
Williamston	1.71	3.08	-1.37
Plymouth	1.98	3.53	-2.55
Bayboro	0.96	3.78	-2.82

After the flooding rains of September and October, November 2016 was quite dry across eastern North Carolina. The entire region was 1 to 3 inches below normal for rainfall, with only the Sound Counties and southern Onslow County reporting over 2 inches of rainfall during the month.



Observed Precipitation

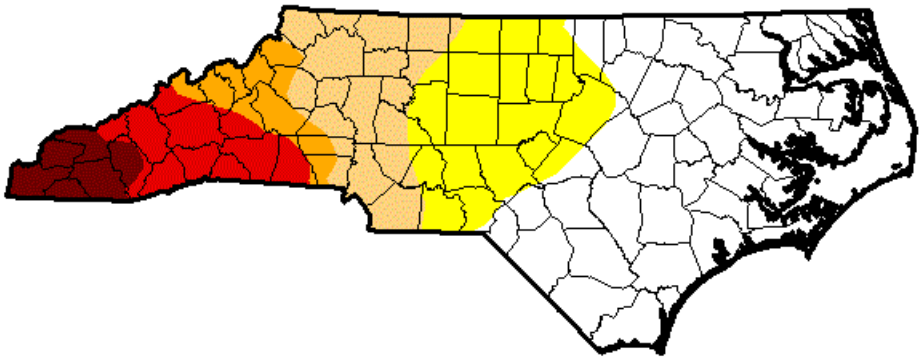


Departure From Normal

Latest Drought Monitor for North Carolina

U.S. Drought Monitor

North Carolina



November 29, 2016

(Released Thursday, Dec. 1, 2016)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	48.11	51.89	32.61	18.04	12.75	4.46
Last Week 11/22/2016	48.11	51.89	32.61	18.04	12.75	3.75
3 Months Ago 8/30/2016	76.30	23.70	4.20	0.82	0.00	0.00
Start of Calendar Year 12/29/2015	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/27/2016	66.16	33.84	17.51	0.93	0.00	0.00
One Year Ago 12/1/2015	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

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

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

- Extreme to Exceptional Drought continues in the mountain areas of western NC with abnormally dry conditions into the central and western Piedmont. Eastern NC remains in good shape drought-wise.

Monthly Drought Outlook

For December