

Climate Review for the month April 2017

Presented by:
National Weather Service
Newport/Morehead City

April 2017 Summary

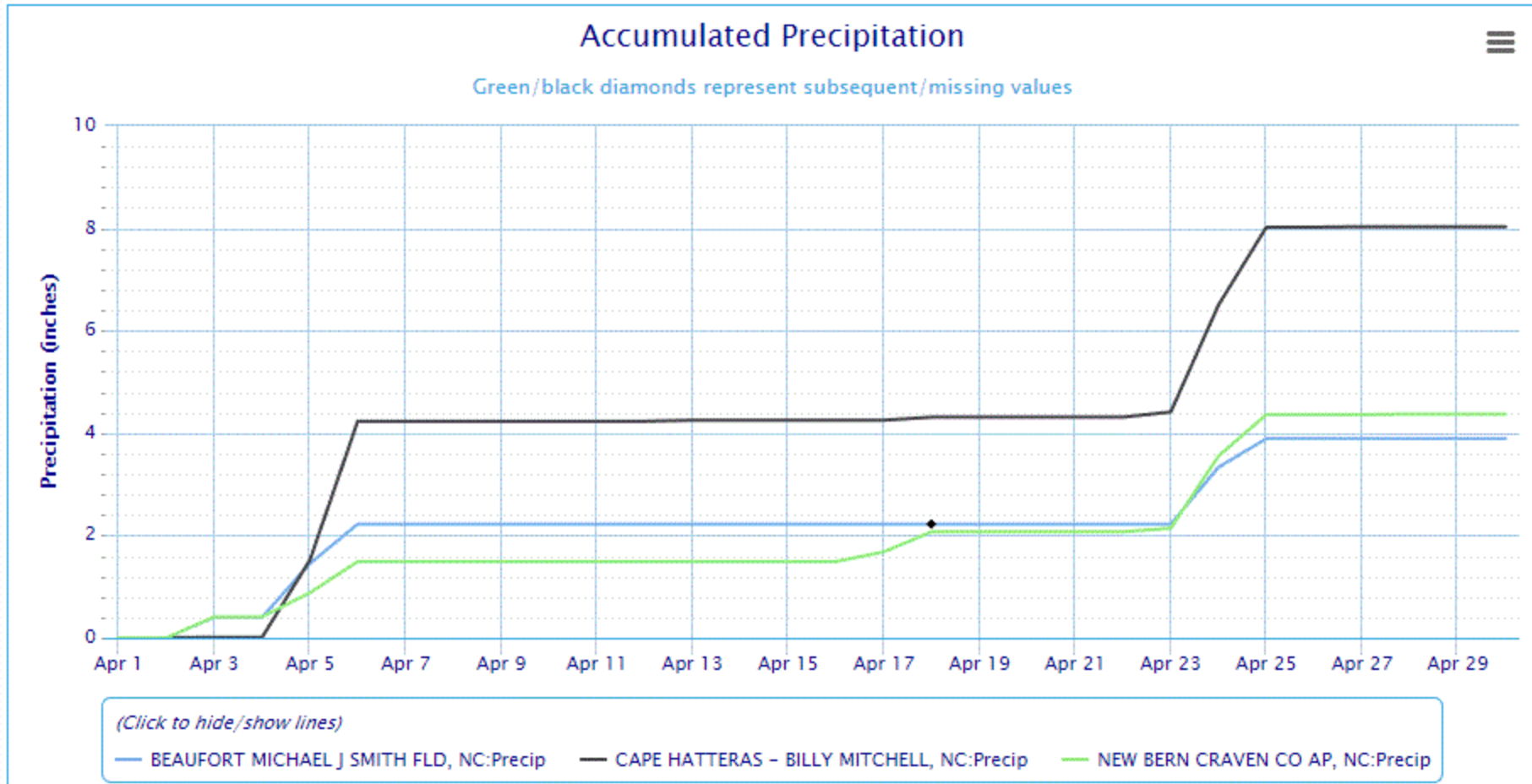
Highlighting the month of April 2017 in eastern North Carolina was abnormally warm temperatures and some significant river flooding at the end of the month. Cape Hatteras and New Bern both recorded their warmest April on record with temperatures across eastern North Carolina running as much as 8 degrees above normal. Heavy rainfall on April 25 would lead to Moderate to Major River flooding on several rivers in eastern North Carolina included the Neuse River at Kinston, the Tar River at Greenville and the Contentnea Creek at Hookerton. This was the area's worst flooding since Hurricane Matthew in October, 2016.



Flooding on the Contentnea Creek near Hookerton, NC taken April 29, 2017 by NWS Newport/Morehead City survey team.

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

April 2017 Precipitation



Graph of accumulated rainfall for Beaufort, New Bern and Cape Hatteras for April 2017. Most all of eastern NC had above normal rainfall for the month of April 2017.

Average Temperatures within our CWA in April 2017

	Avg Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	73.9	69.0	60.5	53.1
Cape Hatteras	74.3	66.3	62.2	52.6
New Bern	78.2	73.5	56.3	50.1
Greenville	78.6	73.2	55.6	49.1
Kinston	78.1	75.6	53.6	50.3
Williamston	75.8	71.4	54.4	47.3
Plymouth	78.0	73.7	54.5	48.5
Bayboro	76.3	72.6	55.1	48.4

Both Maximum and Minimum temperatures were well above normal at all sites.

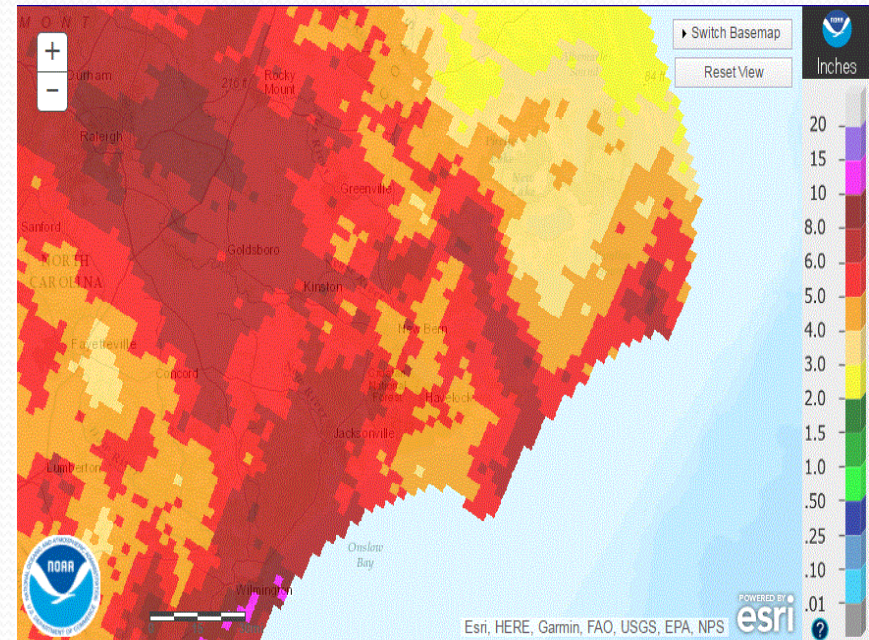
Max and Min Temperature within our CWA in April 2017.

	MAX	MIN
Beaufort	81	43
Cape Hatteras	82	44
New Bern	89	34
Greenville	89	35
Kinston	89	32
Williamston	88	36
Plymouth	87	33
Bayboro	86	36

April 2017 Rain Versus Climate Normal

	Precipitation (inches)	Normal	Difference
Beaufort	3.89	3.55	0.34
Cape Hatteras	8.03	3.64	4.39
New Bern	4.37	3.17	1.20
Greenville	5.69	3.17	2.52
Kinston	7.34	3.13	4.21
Williamston	8.14	3.17	4.97
Plymouth	5.37	3.33	2.04
Bayboro	4.67	3.61	1.06

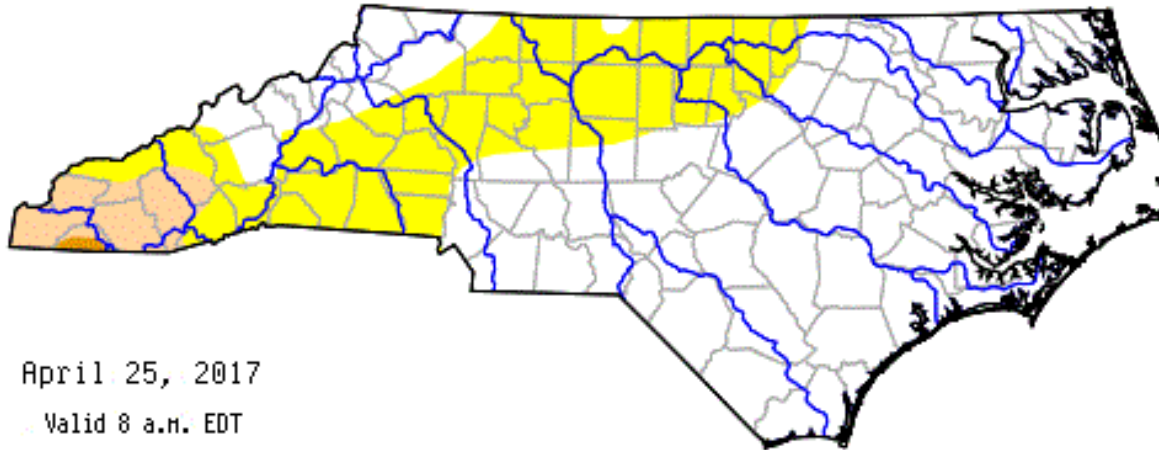
Rainfall in April 2017 ranged from 4 to 8 inches over most of eastern North Carolina, except for the far northeast counties, where 2 to 4 inches was observed. Rainfall was above normal in most areas.



Observed April 2017 Rainfall

Latest Drought Monitor for North Carolina






US Drought Monitor of NORTH CAROLINA



April 25, 2017

Valid 8 a.m. EDT

Drought Classifications

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

 County Boundaries  Major River Basins ([View Map](#))

S = Short-Term, typically <6 months (e.g. agriculture, grasslands)

L = Long-Term, typically >6 months (e.g. hydrology, ecology)

[Hi-Resolution Image](#) | [Print Version](#) |

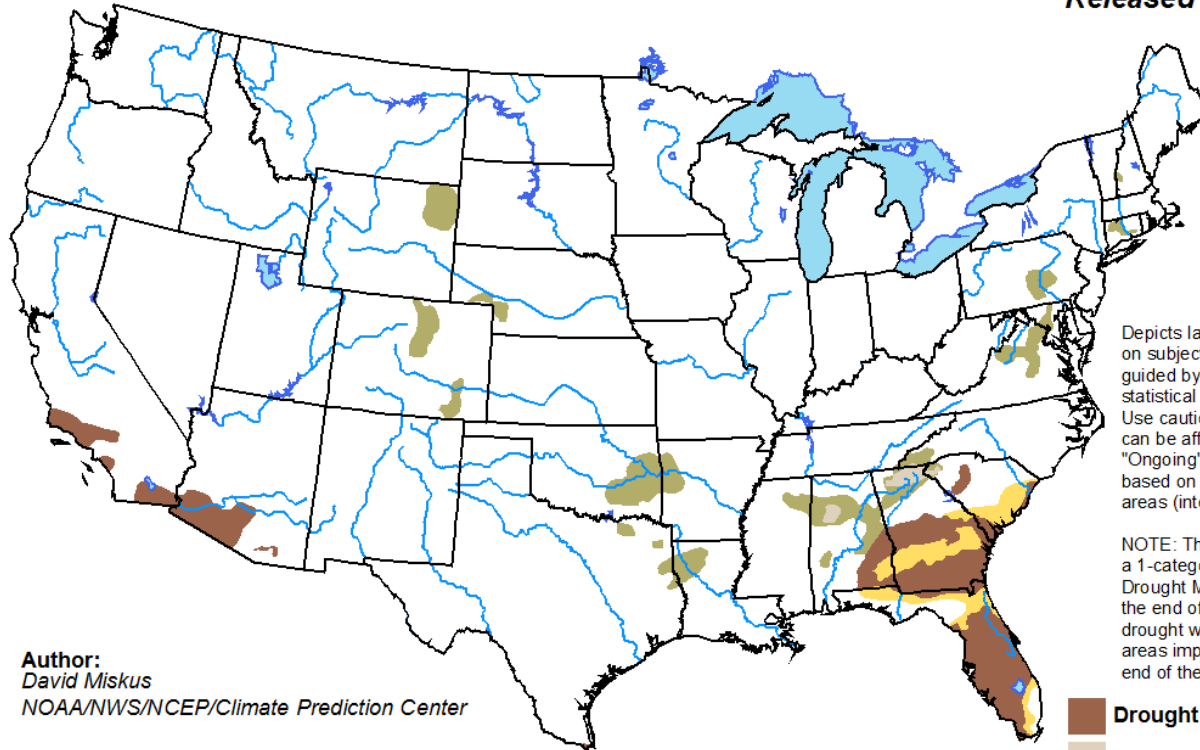
Some moderate to severe drought lingers in the mountains, with abnormally dry conditions across the Piedmont. Eastern North Carolina remains in good shape.

Monthly Drought Outlook

For May

U.S. Monthly Drought Outlook Drought Tendency During the Valid Period





Valid for May 2017
Released April 30, 2017

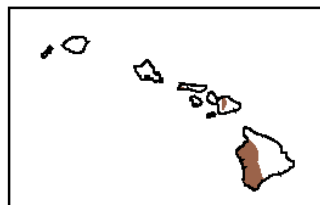
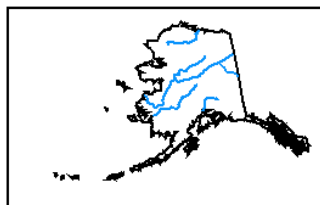


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Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZGd>