

Climate Review for the month December 2017

Presented by:
National Weather Service
Newport/Morehead City

December 2017 Summary

December 2017 was marked by a mild start with highs into the 60s over the first week of the month. A deep trough of low pressure developed over the eastern half of the United States after Christmas leading to some of the coldest temperatures of the year. Some light snow showers fell along the coast on the evening of December 31st. Temperatures for the month were slightly below normal, except for Cape Hatteras, while rainfall was near normal.



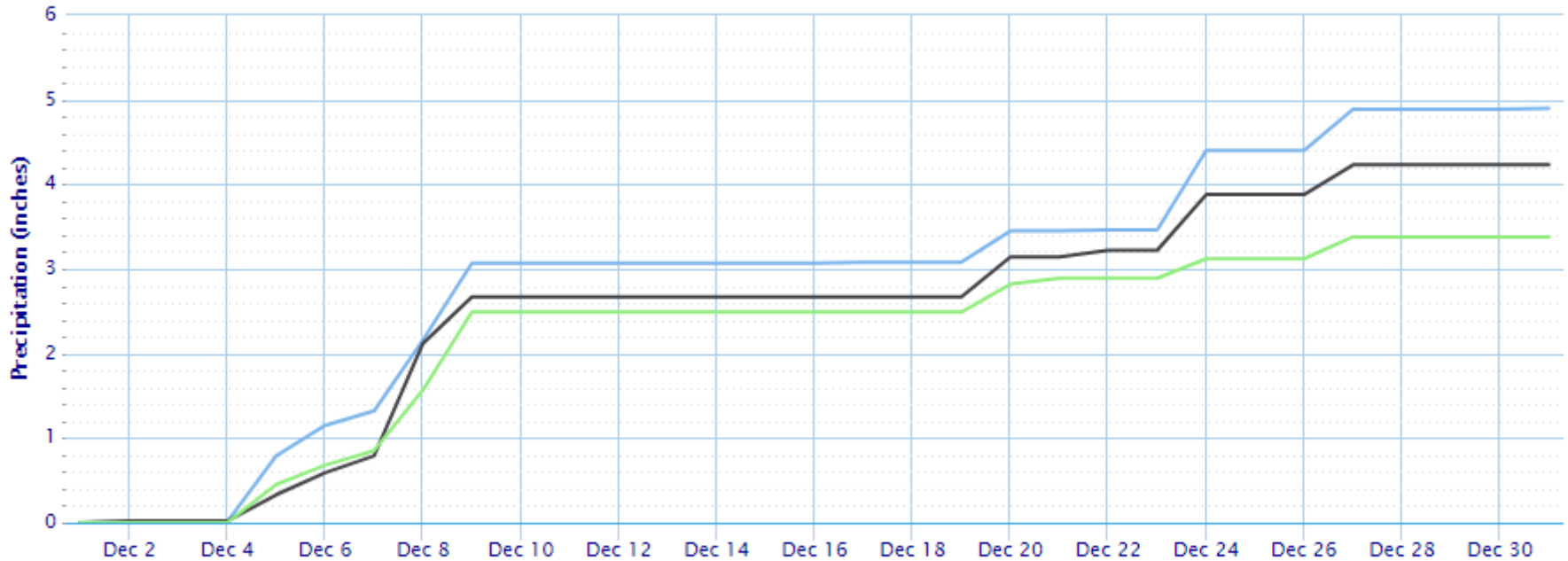
Dusting of Snow on a Deck in Emerald Isle, December 31, 2017 (Photo Courtesy Mark Cooper)

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

December 2017 Precipitation

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

— CAPE HATTERAS - BILLY MITCHELL FIELD, NC:Precip — NEW BERN CRAVEN COUNTY REGIONAL AP, NC:Precip
— BEAUFORT MICHAEL J SMITH FIELD, NC:Precip

December 2017 had near normal precipitation with totals ranging from 3 to 5 inches in Beaufort, New Bern and Cape Hatteras.

Average Temperatures within our CWA in December 2017

	Avg Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	55.2	57.0	39.9	39.7
Cape Hatteras	56.2	55.9	43.0	42.7
New Bern	54.0	57.5	35.5	36.1
Greenville	53.5	55.3	34.2	34.0
Williamston	53.4	54.6	35.3	33.0
Plymouth	54.9	56.0	36.1	35.9
Bayboro	57.8	58.3	39.5	35.7

Temperatures in December 2017 mostly just below normal, except for Cape Hatteras, which was slightly above normal values for December.

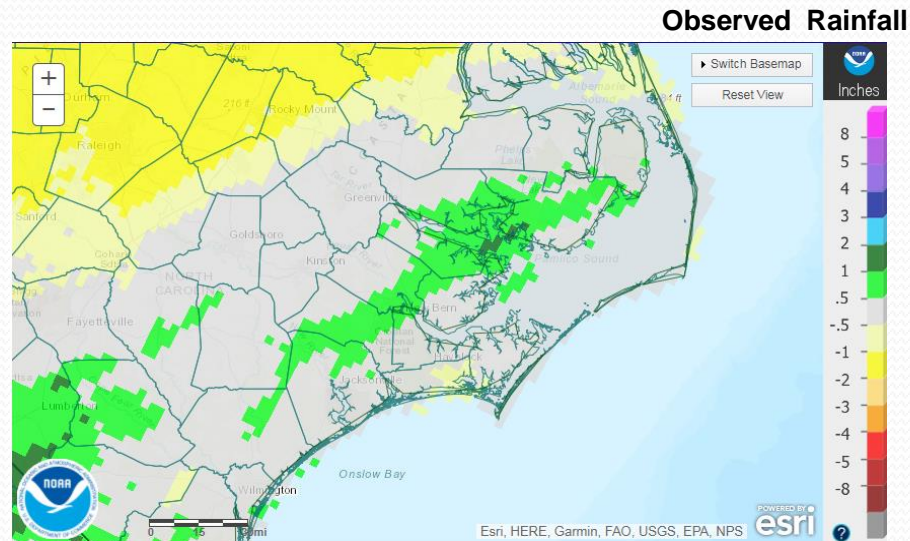
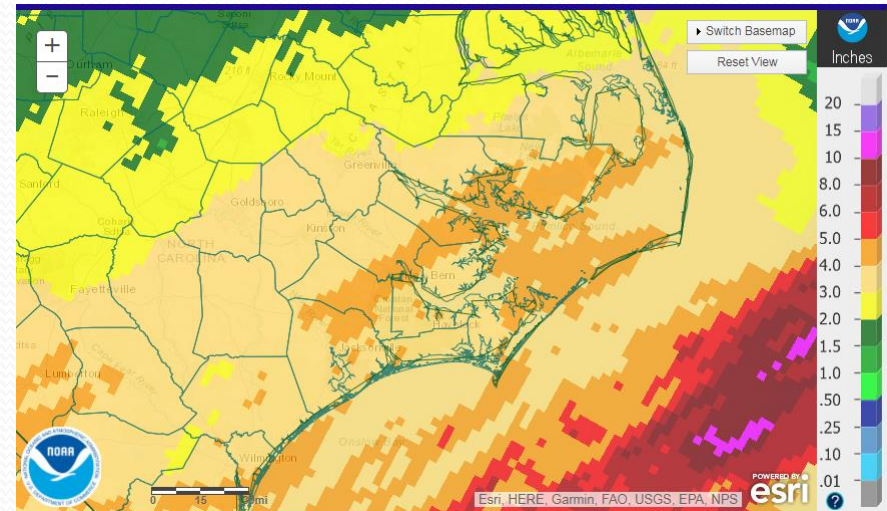
Temperature Extremes within our CWA in December 2017.

	MAX	MIN
Beaufort	68	24
Cape Hatteras	70	28
New Bern	71	21
Greenville	72	18
Williamston	70	20
Plymouth	68	20
Bayboro	71	30

December 2017 Rain Versus Climate Normal

	Precipitation (inches)	Normal	Difference
Beaufort	3.38	3.52	-0.14
Cape Hatteras	4.90	4.27	0.63
New Bern	4.23	3.40	0.93
Greenville	3.41	3.25	0.16
Williamston	3.22	3.24	-0.02
Plymouth	3.9	3.29	0.61
Bayboro	4.75	3.75	1.00

Rainfall across eastern North Carolina in December 2017 was fairly close to normal and ranged between 3 and 5 inches.

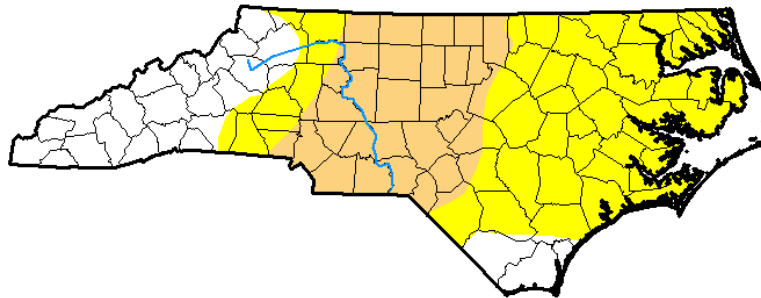


Departure from Normal

Latest Drought Monitor for North Carolina

U.S. Drought Monitor North Carolina

December 26, 2017
(Released Thursday, Dec. 28, 2017)
Valid 7 a.m. EST



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.

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NOAA/NWS/NCEP/CPC



<http://droughtmonitor.unl.edu/>

Abnormally dry conditions now cover most of eastern North Carolina with a Moderate drought across the Piedmont.

