

### **...Below normal temperatures and below normal precipitation characterized Richmond weather in November...**

The average temperature at Richmond International Airport was 47.0 degrees, which was 3.4 degrees below normal. The average high temperature was 58.0 degrees or 3.4 degrees below normal. The average low temperature was 36.1 degrees or 3.3 degrees below normal. The highest temperature was 76 degrees on the 12<sup>th</sup>. The lowest temperature was 18 degrees on the 19<sup>th</sup>. There were 12 days with a minimum temperature below 32, which is 4.9 days above normal. November 2014 ranks as the 21<sup>st</sup> coldest on record.

Precipitation came in at 2.95 inches, which is 0.29 inches below normal. The greatest 24 hour total was 1.35 inches from the 25<sup>th</sup> into the 26<sup>th</sup>. There were 11 days with measurable rainfall, which is 2.7 days above normal.

For 2014, precipitation has reached 32.60 inches, which is 7.74 inches below normal. The average temperature year-to-date (through November 30) was 60.3 degrees, which was 0.1 degree below normal.

A record low temperature of 18 degrees was tied on Nov 19.

### **...Below normal temperatures and above normal precipitation characterized Norfolk weather in November...**

The average temperature at Norfolk International Airport was 49.0 degrees, which was 3.9 degrees below normal. The average high temperature was 57.8 degrees or 3.3 degrees below normal. The average low temperature was 40.3 degrees, or 4.3 degrees below normal. The highest temperature was 76 degrees on the 24<sup>th</sup>. The lowest temperature was 25 degrees on the 22<sup>nd</sup>. There were 8 days with a minimum temperature below 32 degrees, which is 5.9 days above normal. November 2014 ranked as the 6<sup>th</sup> coldest on record.

Precipitation came in at 3.44 inches, which was 0.29 inches above normal. The greatest 24 hour total was 1.89 inches from the 25<sup>th</sup> into the 26<sup>th</sup>. There were 12 days with measurable rainfall, which is 3.5 days above normal.

For 2014, precipitation has reached 46.59 inches, which is 3.32 inches above normal. The average temperatures year-to-date temperature (through October 31) was 61.2 degrees, which was 0.4 degrees below normal.

A daily rainfall record of 1.79 inches was set on the 26<sup>th</sup>, beating the old record of 1.78 inches from 1958.

### **...Rainfall for November 2014...**

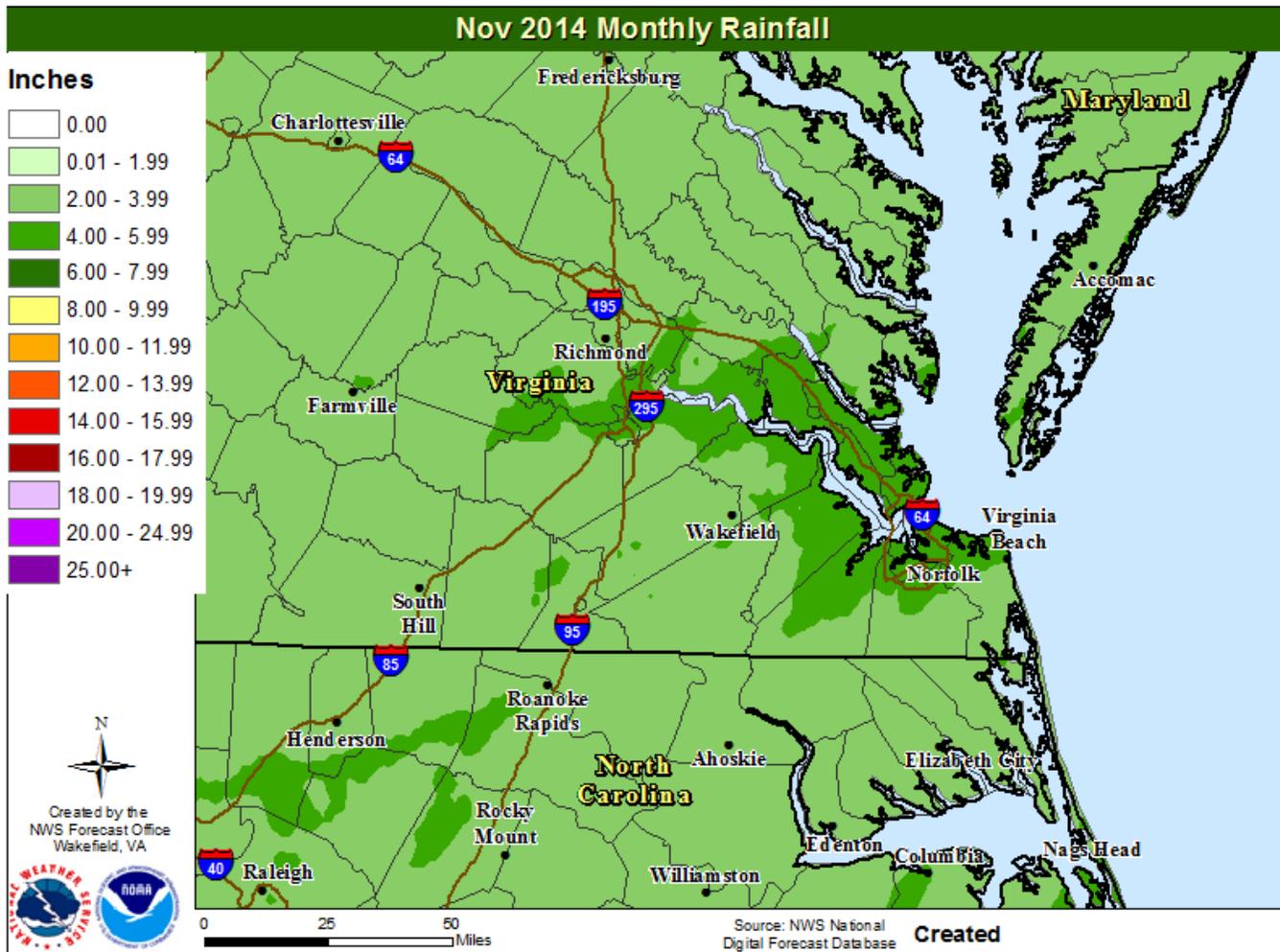
Precipitation was quite uniform across the Wakefield CWA in November, especially compared with the non-uniform tendencies of the convective warm season. Total rainfall added up to between 2.5 and 4.0 inches for the most part. A few reports of over 4 inches were reported in parts of southeast Virginia. A bit of sleet and snow occurred on the 26<sup>th</sup> in parts of central Virginia including Richmond Int'l Airport, but with no accumulations.

There were 3 rainfall events that were noteworthy:

6<sup>th</sup>: A fast moving low pressure system passed from west to east to the north of our area and an associated cold front moved across the Mid-Atlantic States late in the day which most of the precipitation. Some non-severe thunderstorms occurred in the late afternoon and evening. Most of the precipitation added up to less than one half inch but some areas had up to near an inch with some CoCoRaHS locations near the lower James River reporting over an inch.

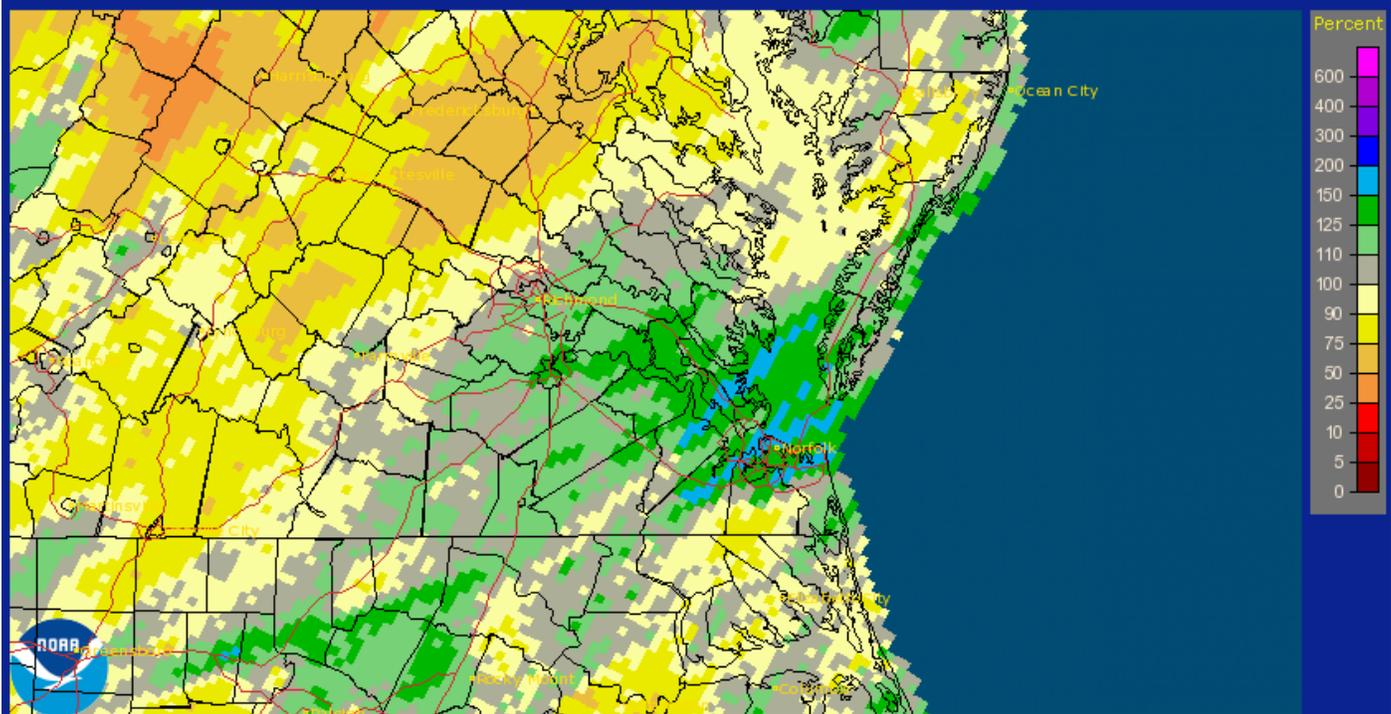
17<sup>th</sup>: A complex low pressure system and associated frontal systems moved through the region on the 17<sup>th</sup>. Light rain and drizzle in the morning turned to scattered thunderstorms affected the area from the late morning through the afternoon. A couple of waterspouts were reported from near the Chesapeake Bay Bridge Tunnel in the late afternoon. Rainfall averaged from one third to three quarters of an inch with some locations, especially west of Interstate 95 and on the Maryland eastern shore reporting over an inch of rain.

23<sup>rd</sup> to the 27<sup>th</sup>: A series of low pressure systems affected the area during this period bringing several days of precipitation. The first few days were in a warm regime but most of the rain was reported on the 26<sup>th</sup> in the cold air. A few thunderstorms developed over the lower Chesapeake Bay on the evening of the 25<sup>th</sup>. Many locations had one to two inches of rain on the 26<sup>th</sup> alone. In total for the five day period, practically all of the area had an inch and a half or more with most places receiving around 2 inches of rain. There were scattered reports across far southern Virginia of just over 3 inches.



Additional Information: [http://www.weather.gov/akg/MONTHLY\\_RAINFALL\\_ANALYSIS](http://www.weather.gov/akg/MONTHLY_RAINFALL_ANALYSIS)

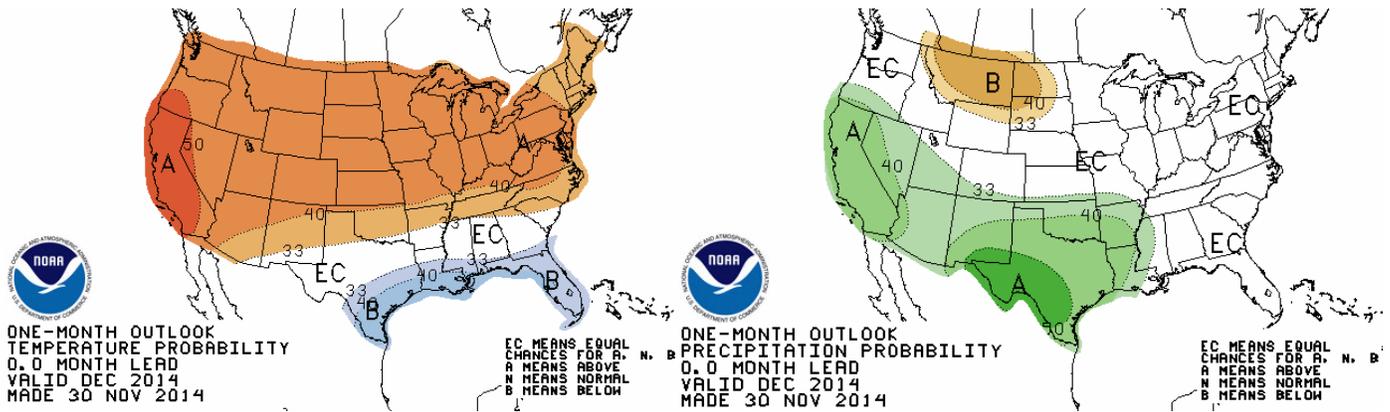
Wakefield, VA (AKQ): November, 2014 Monthly Percent of Normal Precipitation  
Valid at 12/1/2014 1200 UTC - Created 12/3/14 22:04 UTC



November 2014 Percent of Normal Rainfall. Additional data can be found at: <http://water.weather.gov>

Outlooks (see <http://www.cpc.ncep.noaa.gov/>)...

The **30 day outlooks** for temperature (left image) and precipitation (right image) predict increased probabilities for above normal temperatures and equal chances for above, below, or near-normal precipitation.



The **90 day outlooks** for temperature (left image) and precipitation (right image) predict equal chances for above, below, or near normal temperatures and increased probabilities for above normal precipitation.

