

RIVER AND WEATHER CONDITIONS

Prepared for Joint Huntington/Pittsburgh Waterways Association Meeting 10/14/2015

National Weather Service Forecast Office, Pittsburgh PA

For the latest river and weather forecasts--<http://www.weather.gov/pittsburgh>

WEATHER RECAP

The dry conditions of August changed to much wetter conditions during early September. An area from near Marietta, OH to Wheeling, WV to near Dubois, PA received between 200% and 300% of normal rainfall. The driest areas during the month were over Central West Virginia and the Cheat River basin with 70% to 90% of normal.

Location	Sep 2015 Precipitation	Departure (Inches)	Since Jan 1
Parkersburg	5.97	+2.89	32.49 (+1.86)
Huntington	4.23	+1.45	33.64 (+6.31)
Pittsburgh	5.08	+1.97	30.41 (+3.07)

Location	Sep Average Temperature	Departure degrees	Extreme High	Extreme Low
Parkersburg	69.0	+2.8	91(Sep 1,8)	45(Sep 14)
Huntington	69.3	+1.7	93(Sep 8)	44(Sep 14)
Pittsburgh	69.6	+5.5	91(Sep 8,9)	49(Sep 14,15)

OUTLOOK

Temperatures will be more fall-like, with shorts bouts of warmth. Overall rainfall will be below normal for next 4 weeks.

Outlook for rest of week of Oct 12: Cooler with some showers Friday. (approx. 0..50 inch)

Outlook for week of October 19: Cool with below normal temperatures. Chance of showers . Total Rainfall:(approx. 0.50)

Outlook for week of October 26: Continued cool with chances of showers. (approx. 0.50 iinch)

November outlook: First half of month: near normal temperatures. Second half of month: Below normal temperatures. Below normal precipitation.

November outlook: Below normal temperatures. Below normal precipitation.

Tropical/Hurricane outlook: 11 Atlantic storms so far. Accumulated Cyclone Energy (ACE), a measure of combined strength and duration of tropical storm and hurricanes, activity in the Atlantic basin has only been about 37 percent of the 30-year average.

Winter Outlook: El Nino strengthens in the central Pacific, but cooler than normal temperatures in the eastern Pacific. Normally a strong El Nino means a milder than normal winter for Pittsburgh/Huntington, but a big factor is that warm water off the west coast of the US and Canada is forecast to remain into this winter again. This may mean more snow & slightly colder than normal temperatures (but not as cold as past 2 winters). October-November may start the winter season colder than normal with below normal precipitation, December may be milder, but outlook for January/ February is colder with February snowier.

HIGH WATER POTENTIAL

High water potential is below normal. A minimum of 2.00 inch basin wide rainfall in 6 to 12 hours is needed to bring rivers to bank full. Total rainfall through the first week of November should average about 2.00 inches which is below normal.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average monthly precipitation	2.7	2.39	2.95	3.11	3.95	4.3	3.83	3.48	3.11	2.29	3.23	2.85	38.19

WEATHER FORECAST

Pittsburgh:

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
Mostly Cloudy	Partly Cloudy	Mostly Sunny	Chance Showers	Chance Showers then Partly Sunny	Mostly Cloudy	Partly Sunny

High: 59 °F

Low: 42 °F

High: 63 °F

Low: 43 °F

High: 57 °F

Low: 39 °F

High: 49 °F

Huntington:

Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
						
Mostly Sunny	Mostly Clear	Sunny	Partly Cloudy	Mostly Sunny	Mostly Clear	Sunny

High: 67 °F

Low: 42 °F

High: 68 °F

Low: 49 °F

High: 64 °F

Low: 40 °F

High: 58 °F

8-14 Day Outlook... Below normal temperatures and below normal rainfall.

30 Day Outlook... Below normal temperatures and below normal precipitation.

Nov-Dec-Jan Outlook... Cooler than normal Nov and Jan and normal rainfall precipitation

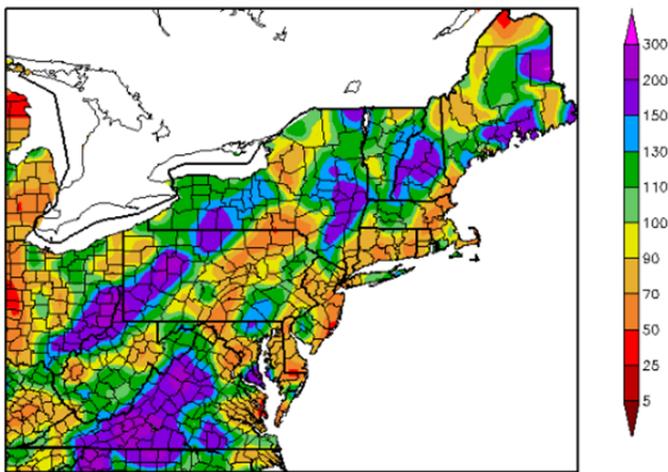
Jan-Feb-Mar Outlook... Below normal temperatures and above normal precipitation

Mar-April-May Outlook... Normal temperatures and normal precipitation

Forecast Sea Surface Temperature and El Nino:

Percent of Normal Precipitation (%)

9/1/2015 - 9/30/2015

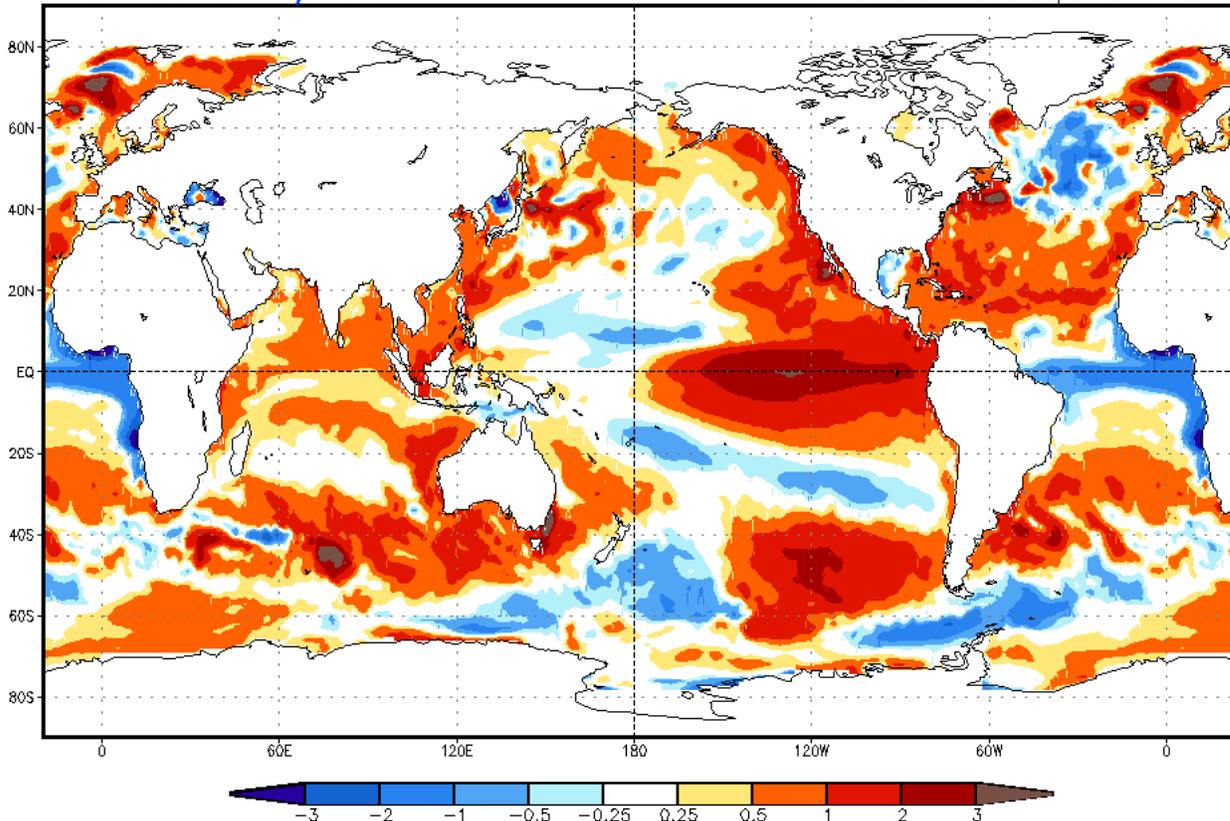


CFSv2 seasonal SST anomalies (K)

NWS/NCEP/CPC

Dec-Jan-Feb 2015/2016

Initial conditions: 28Sep2015-70Oct2015



Winter Outlook for Pittsburgh and Huntington:

- Cooler than normal October and into November
- Warmer than normal December
- Colder in January
- Very Cold in February with some larger snowstorms
- Continue the cold into March with late spring

Areas to the South of us like Dallas, Atlanta, Knoxville, likely a severe winter

Very snowy in New Mexico and Southern Colorado, Year without a much of winter in Montana, British Columbia

Western Europe expected to be very cold this winter.

Siberian snow cover on Oct 31 relates to how cold the winter will be in the Eastern US

Oct 8, 2015

Oct 8, 2014

Oct 8, 2013

