

RIVER AND WEATHER CONDITIONS

Prepared for Waterways Association Meeting 6/10/2015

National Weather Service Forecast Office, Pittsburgh PA

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

WEATHER RECAP

For the month of May 2015, temperatures well above normal and precipitation well below normal. May was the 11 warmest for the Pittsburgh area. May 23 some locations had a late season frost. As June started the pattern flipped and cooler temperatures returned. Most of the rain over the past 30 days fell over the Allegheny Basin. Flows on the Monongahela at 25% of normal.

OUTLOOK

The jet stream will remain close or just to our north for the next several weeks meaning we will have a few days of warm humid weather interspersed with frequent frontal passages every 3 -5 days. While this pattern can lead to isolated heavy rains from thunderstorms, currently the outlook does not show any large widespread rain events.

Outlook for rest of week: Hot and humid over the weekend. Highs in the 80s and lows in the 60s. 1.00-1.50 inch of rain possible. Most over Ohio and the Allegheny Basins...less over the Monongahela and Cheat River Basins

Outlook for week of June 15: A wet period with a chance of showers/thunderstorms nearly each day (approx. 2.00-3.00 inches)

More over Allegheny and less over the Monongahela and Cheat River Basins.

Outlook for week of June 22: Temperatures near normal. No prolonged heat. (approx. 1.00-1.50 inch)

July outlook: Slightly below normal temperatures. Slightly above normal precipitation.

Summer Outlook: Much of the summer in the east expected to be within a degree to two of normal. Slightly below normal rainfall. El Nino may limit the number of Atlantic Hurricanes.

Winter Outlook: Developing El Nino in the central Pacific, but cooler than normal temperatures in the eastern Pacific. This may mean more snow and colder than normal temperatures for the Pittsburgh area.

Location	May 2015 Precipitation	Departure (Inches)	2014-15 Snowfall
Pittsburgh	2.72	-1.23	47.5(+5.6)

Location	May Average Temperature	Departure Degrees	Extreme High	Extreme Low
Pittsburgh	66.1	+6.0	88May10- 11	37(May 23)

HIGH WATER POTENTIAL

High water potential is below normal. Foliage and vegetation growth is in full swing. The limited rain that fell in May was heaviest over the Allegheny and Beaver river Basins. The Monongahela and Cheat River Basins received only between 25% and 50% of normal May rainfall. Flows on the Allegheny and Ohio Rivers were close to normal for May, while the Monongahela had only about 25% of normal flows for the month. Reservoirs were all at or very close to summer pool levels. A minimum of 1.50 inch basin wide rainfall in 6 to 12 hours is needed to bring rivers to bank full

Total rainfall through the first week of July should average about 4.0 inches which above normal. The Allegheny and Beaver will likely have more rain than the Monongahela during this period.

Average monthly precipitation	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
	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

Today	Tonight	Thursday	Thursday Night	Friday	Friday Night	Saturday	Saturday Night	Sunday
	 40%	 30%	 30%	 30%	 30%	 60%	 30%	 40%
Mostly Sunny	Chance Thunderstorms	Thunderstorms Likely	Chance Thunderstorms	Chance Thunderstorms				
High: 86 °F	Low: 66 °F	High: 87 °F	Low: 65 °F	High: 89 °F	Low: 70 °F	High: 81 °F	Low: 67 °F	High: 84 °F

8-14 Day Outlook... Above normal temperatures and above normal rainfall.

30 Day Outlook... Normal temperatures and normal precipitation.

Jul-Aug-Sep Outlook... Normal temperatures and below normal rainfall

Sep-Oct-Nov Outlook... Normal temperatures and near normal rainfall

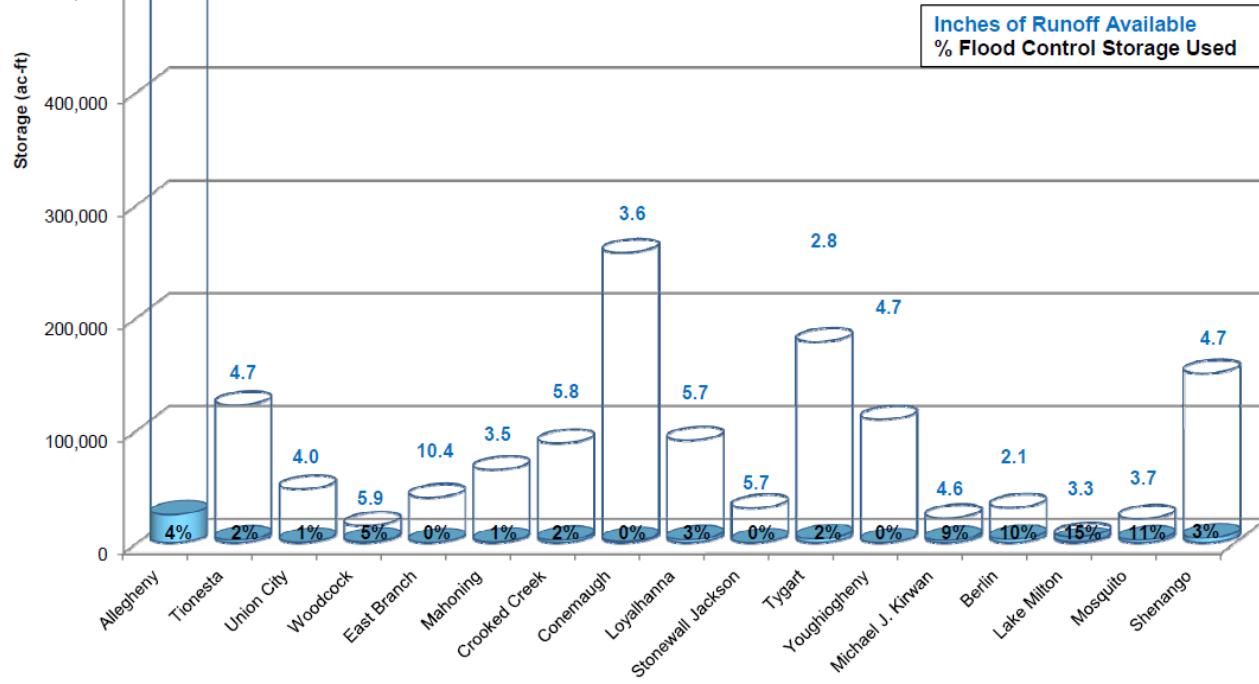
Nov-Dec-Jan Outlook... Normal temperatures and normal precipitation

Average Yearly rainfall Pittsburgh: 38.19 inches **So far in 2015:** 14.94 (-1.45)

Totals for: 2014: 36.84 2013: 36.65 inches; 2012: 41.74 inches; 2011: 44.24 inches; 2010: 37.85 inches

9-Jun-2015

Pittsburgh District Reservoir Flood Control Storage



Precipitation (in)
5/11/2015 – 6/9/2015

