

## RIVER AND WEATHER CONDITIONS

Prepared for Waterways Association Meeting 6/12/2013  
National Weather Service Forecast Office, Pittsburgh PA  
For the latest river and weather forecasts--<http://www.weather.gov/pittsburgh>

### WEATHER RECAP

May temperatures were above normal and precipitation was below normal over the hydrologic service area. The wettest areas were over the headwaters of the Allegheny River basin.

<i>Location</i>	<i>May 2013 Precipitation</i>	<i>Departure (Inches)</i>
<b>Pittsburgh</b>	2.33	-1.62

<i>Location</i>	<i>May Average Temperature</i>	<i>Departure degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<b>Pittsburgh</b>	62.5	+2.4	87 (May 31)	31 (May 14)

### RIVER CONDITIONS RECAP




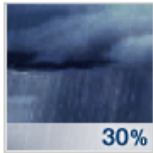


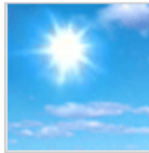
Two wet periods occurred across the entire Hydrologic Service Area around the 10th of the month and again around the 23rd. These 2 rain events caused only small rises on Area Rivers. On May 28th a heavy thunderstorm complex brought up over 4 inches of rain to areas just north of the Hydrologic Service Area in the headwaters of the Allegheny River Basin. This rainfall brought a 3 to 6 foot rise along the Allegheny River late in the month.

### HIGH WATER POTENTIAL

For this time of the year, flows on the Allegheny are 110% of normal, the Monongahela 60%, and the Ohio 90% of normal. A minimum 2.50 inches basin wide rainfall in 6 to 12 hours is needed to bring rivers to bank full. High water potential is below normal.

Above normal precipitation is expected over the next 2 weeks. Temperatures are expected to be below normal. The storm track will be active to our south and may mean more precipitation over the Mon and Cheat river basin. Expected rainfall through June 25 is between 2.00 and 2.50 inches.

### WEATHER FORECAST

WEDNESDAY	WEDNESDAY NIGHT	THURSDAY	THURSDAY NIGHT	FRIDAY	FRIDAY NIGHT	SATURDAY
						
60%	80%	80%	30%			
Thunderstorms Likely	Thunderstorms	Thunderstorms	Chance Showers	Sunny	Mostly Clear	Sunny
High: 81 °F	Low: 65 °F	High: 74 °F	Low: 55 °F	High: 75 °F	Low: 50 °F	High: 77 °F

**8-14 Day Outlook...** Below normal temperatures and above normal precipitation.

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

**Jun-Jul-Aug Outlook...** Above normal temperatures and normal precipitation

**Aug-Sep-Oct Outlook...** Above normal temperatures and normal precipitation

**Oct-Nov-Dec Outlook...** Above normal temperatures and normal precipitation

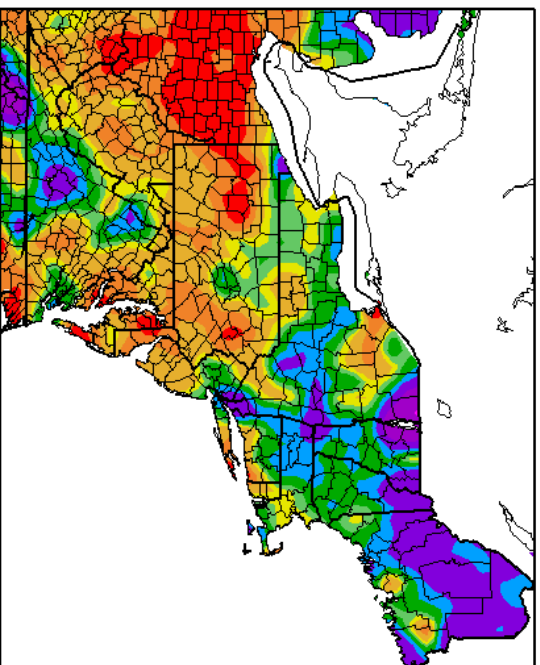
**Average Yearly rainfall Pittsburgh:** 38.19 inches **So far in 2013:** 12.40 inches (Departure -3.42)

2012: 41.74 inches

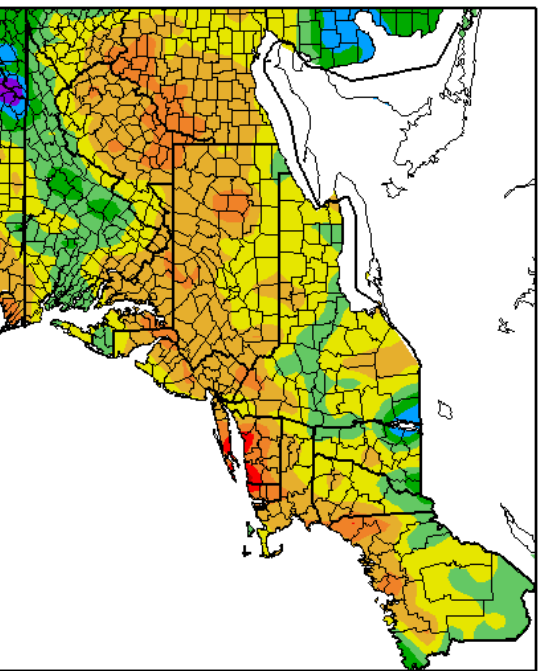
2011: 44.24 inches

2010: 37.85 inches

Percent of Normal Precipitation (%)  
5/1/2013 – 5/31/2013



Departure from Normal Precipitation (in)  
3/1/2013 – 5/31/2013



**COE Flood Storage Used**

**June 1, 2013**

**May 1, 2013**

RESERVOIR	FLOOD STORAGE CAPACITY USED
Allegheny	4%
Tionesta	3%
Union City	20%
Woodcock	2%
East Branch	2%
Mahoning	1%
Crooked Creek	2%
Conemaugh	1%
Loyalhanna	3%
Stonewall Jackson	4%
Tygart	0%
Yough	1%
Michael J. Kirwan	0%
Berlin	0%
Lake Milton	3%
Mosquito	4%
Shenango	2%

RESERVOIR	FLOOD STORAGE CAPACITY USED
Allegheny	3%
Tionesta	3%
Union City	1%
Woodcock	4%
East Branch	0%
Mahoning	4%
Crooked Creek	2%
Conemaugh	1%
Loyalhanna	3%
Stonewall Jackson	8%
Tygart	0%
Yough	5%
Michael J. Kirwan	6%
Berlin	28%
Lake Milton	16%
Mosquito	11%
Shenango	2%