

## RIVER AND WEATHER CONDITIONS

Prepared for Waterways Association Meeting 5/8/2013  
 National Weather Service Forecast Office, Pittsburgh PA  
 For the latest river and weather forecasts--<http://www.weather.gov/pittsburgh>

### WEATHER RECAP

April temperatures were above normal and precipitation near normal over the hydrologic service area. The wettest areas were over the Allegheny and Muskingum River basins.

Location	April 2013 Precipitation	Departure (Inches)	April Snowfall	Yearly Snowfall
Pittsburgh	3.27	+0.16	Trace (-1.5)	57.4(+16.0)

Location	April Average Temperature	Departure degrees	Extreme High	Extreme Low
Pittsburgh	52.4	+1.5	85 (Apr 18)	11 (Apr 4)

### RIVER CONDITIONS RECAP

A wet period during the middle part of the month from April 10 to April 17, 2013 caused rises on Area Rivers. The heaviest rains during the month fell over the Muskingum and Allegheny River basins. Several River Flood watches were issued during the event, but river rises remained just below flood stages.

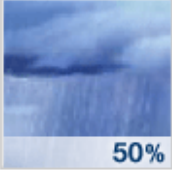






On April 16, flash flooding of streams and creeks and urban areas occurred in the panhandle of West Virginia near Weirton as well as in Allegheny county Pennsylvania in Robinson Township and in the West End section of the City of Pittsburgh near Route 51.

### HIGH WATER POTENTIAL

For this time of the year, flows on the Allegheny are 60% of normal, the Monongahela 45%, and the Ohio 65% of normal. Vegetation and foliage are rapidly developing and will greatly increase the amount of rainfall needed to bring river to bank full over the next couple of weeks. A minimum 2.00 inches basin wide rainfall in 6 to 12 hours is needed to bring rivers to bank full. High water potential is below normal.

Below normal precipitation is expected over the next 3 weeks. The storm track will continue to be active to our west and south. There will be chances of rain every few days, but the threat of widespread heavy rains is not expected. Expected rainfall through May 25 is between 2.00 and 2.50 inches.

### WEATHER FORECAST

WEDNESDAY	WEDNESDAY NIGHT	THURSDAY	THURSDAY NIGHT	FRIDAY	FRIDAY NIGHT	SATURDAY
						
Chance Showers High: 69 °F	Slight Chc Showers Low: 54 °F	Slight Chc Showers High: 72 °F	Slight Chc Showers Low: 55 °F	Thunderstorms Likely High: 70 °F	Thunderstorms Likely Low: 57 °F	Chance Thunderstorms High: 71 °F

**8-14 Day Outlook...** Above normal temperatures and near normal precipitation.

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

**May-Jun-Jul Outlook...** Normal temperatures and normal precipitation

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

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

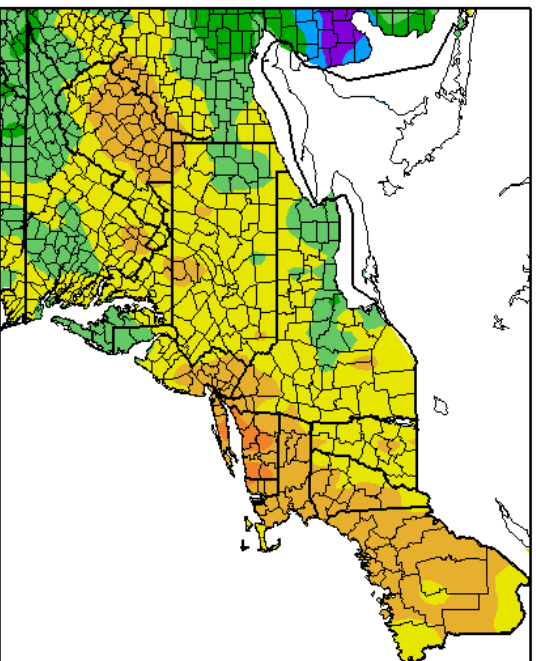
**Average Yearly rainfall Pittsburgh:** 38.19 inches **So far in 2013:** 10.01 inches

2012: 41.74 inches

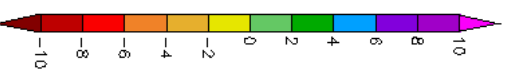
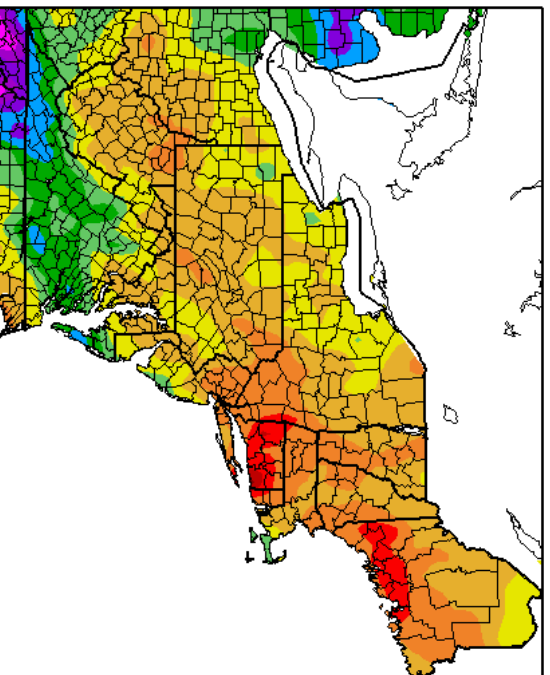
2011: 44.24 inches

2010: 37.85 inches

Departure from Normal Precipitation (in)  
4/2/2013 – 5/1/2013



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



**COE Flood Storage Used**

**May 1, 2013**

**April 1, 2013**

RESERVOIR	FLOOD STORAGE CAPACITY USED	RESERVOIR	FLOOD STORAGE CAPACITY USED
Allegheny	3%	Allegheny	9%
Tionesta	3%	Tionesta	3%
Union City	1%	Union City	6%
Woodcock	4%	Woodcock	14%
East Branch	0%	East Branch	0%
Mahoning	4%	Mahoning	2%
Crooked Creek	2%	Crooked Creek	2%
Conemaugh	1%	Conemaugh	3%
Loyalhanna	3%	Loyalhanna	3%
Stonewall Jackson	8%	Stonewall Jackson	12%
Tygart	0%	Tygart	15%
Yough	5%	Yough	3%
Michael J. Kirwan	6%	Michael J. Kirwan	0%
Berlin	28%	Berlin	27%
Lake Milton	16%	Lake Milton	51%
Mosquito	11%	Mosquito	4%
Shenango	2%	Shenango	6%