

RIVER AND WEATHER CONDITIONS

Prepared for Waterways Association Meeting 4/10/2013
National Weather Service Forecast Office, Pittsburgh PA
For the latest river and weather forecasts--<http://www.weather.gov/pittsburgh>

WEATHER RECAP

March temperatures and precipitation were below normal across the hydrologic service area, but over 2 times the normal amount of snow fell. A total of 15.2 inches of snow fell. The normal amount of snowfall is 7.4 inches

Location	March 2013 Precipitation	Departure (Inches)	February Snowfall	Yearly Snowfall
Pittsburgh	2.17	-0.78	15.2 (+7.8)	57.4(+17.5)

Location	March Average Temperature	Departure degrees	Extreme High	Extreme Low
Pittsburgh	35.9	-3.7	71 (Mar 10)	17 (Mar21)

RIVER CONDITIONS RECAP








Several small rainfall/snowfall events did not bring any significant river rises in March. Several lake effect snow events increased snow depths and water equivalents in the mountain areas to above normal levels during March, but by late March, snow only remained above 3000 feet. Dry and warm weather during the first week of April melted nearly all the snow except above 3800 feet.

HIGH WATER POTENTIAL

For this time of the year, flows on the Allegheny are 70% of normal, the Monongahela 80%, and the Ohio 120% of normal. A minimum of 1.50 inches basin wide rainfall in 6 to 12 hours is needed to bring rivers to bank full. High water potential is normal.

The cold weather pattern has changed! After breaking a cold temperature record on April 4 of 19 degrees...the outlook through the end of April shows normal to above temperatures through the end of the month. The storm track will be active with storms tracking through every few days. The week of April 15 seems to be a rainy period. Expected rainfall through April 25 is between 3.00 and 4.00 inches.

WEATHER FORECAST

WEDNESDAY	WEDNESDAY NIGHT	THURSDAY	THURSDAY NIGHT	FRIDAY	FRIDAY NIGHT	SATURDAY
						
20%	20%	60%	80%	40%		
Slight Chc Thunderstorms High: 79 °F	Slight Chc Thunderstorms Low: 59 °F	Thunderstorms Likely High: 73 °F	Thunderstorms Low: 48 °F	Chance Showers High: 51 °F	Mostly Cloudy Low: 33 °F	Mostly Cloudy High: 49 °F

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

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

Apr-May-Jun Outlook... Above 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

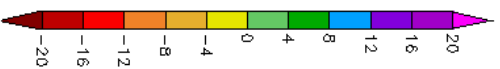
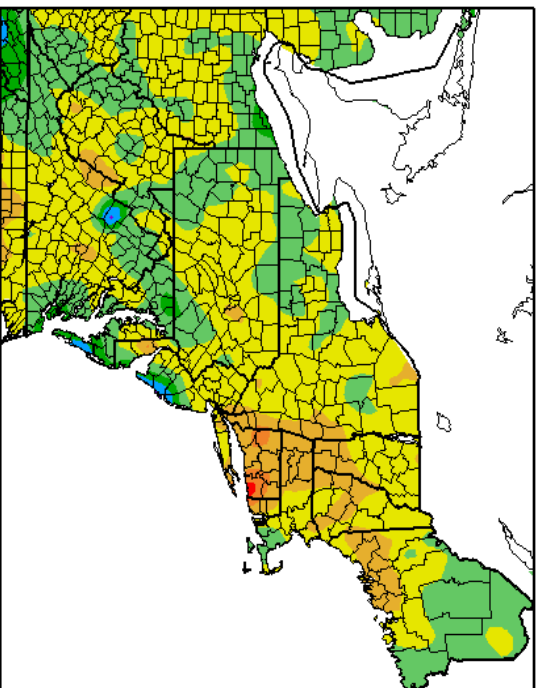
Average Yearly snowfall Pittsburgh: 41.9 inches **So far in 2012-2013:** 57.4 inches

2011-12: 37 inches

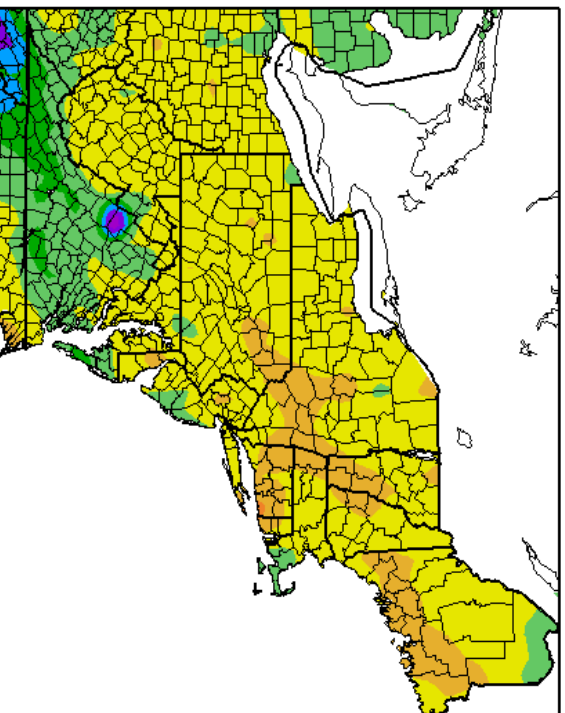
2010-11: 57 inches

2009-2010: 77 inches

Departure from Normal Precipitation (in)
10/1/2012 – 4/2/2013



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



COE Flood Storage Used

April 1, 2013

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

March 1, 2013

RESERVOIR	FLOOD STORAGE CAPACITY USED
Allegheny	0%
Tionesta	2%
Union City	3%
Woodcock	6%
East Branch	0%
Mahoning	3%
Crooked Cr.	3%
Conemaugh	3%
Loyalhanna	3%
Stonewall	2%
Tygart	8%
Yough	2%
Kirwan	4%
Berlin	23%
Milton	7%
Mosquito	13%
Shenango	4%