

RIVER AND WEATHER CONDITIONS

Prepared for Waterways Association Meeting 1/14/2015
 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 December 2014, temperatures were above normal and precipitation near normal. In December 2014 Pittsburgh received just 0.2 inches of snowfall. This was the 6th lowest December snow total on record. Pittsburgh received less than one inch of snow in December just 10 times since 1880.

Here is the list of the least snowy December's since records began in 1880...

0.0	1889
Trace	1994
Trace	1941
Trace	1931
Trace	1928
0.2	2014
0.3	1891
0.7	2006
0.7	1971
0.8	1949
0.9	1986

A year ago, December 2013, we received 15.0 inches of snow. Normal snowfall for December is 8.3 inches

<i>Location</i>	<i>Dec 2014 Precipitation</i>	<i>Departure (Inches)</i>	<i>2014-15 Snowfall</i>
<i>Pittsburgh</i>	2.63	-0.22	7.3 (-7.6)

<i>Location</i>	<i>Dec Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<i>Pittsburgh</i>	35.5	+3.1	62(Dec 1)	17(Dec 31)

RIVER CONDITIONS

River flows and velocities were about 100% of normal for the Allegheny, Monongahela and Ohio Rivers.

HIGH WATER POTENTIAL

Between 1.50 and 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 over the next 30 days.

OUTLOOK

Return to cooler (not extreme cold) temperatures Jan 13 –Jan 16 will lead to some increase in river ice thickness/coverage

Warmup Saturday through Tuesday (Jan 17 – 21) will lead to some rotting and decrease in river ice coverage

Relatively dry period through Jan 20.

Potential of rain middle part of next week (Jan 21-22)

Current Snow pack minimal for this time of year

Return to much colder arctic air and river ice increase for the last week of January into first week of February

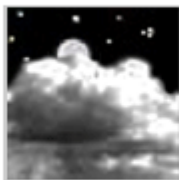
WEATHER FORECAST

WEDNESDAY



Mostly
Sunny
High: 26 °F

WEDNESDAY
NIGHT



Mostly
Cloudy
Low: 12 °F

THURSDAY



Partly
Sunny
High: 30 °F

THURSDAY
NIGHT



Mostly
Cloudy
Low: 15 °F

FRIDAY



Partly
Sunny
High: 32 °F

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

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

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

Mar-Apr-May Outlook... Normal temperatures and below normal precipitation

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

Average Yearly rainfall Pittsburgh: 38.19 inches **So far in 2015:** 0.90 (-0.07)

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

Average Yearly snowfall Pittsburgh: 41.9 inches So far this 2014-15 season: 7.3 inches (-7.6)

2013-14: 63.4 inches

2012-13: 57 inches

2011-12: 37 inches

2010-11: 57 inches

2009-10: 77 inches

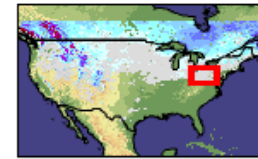
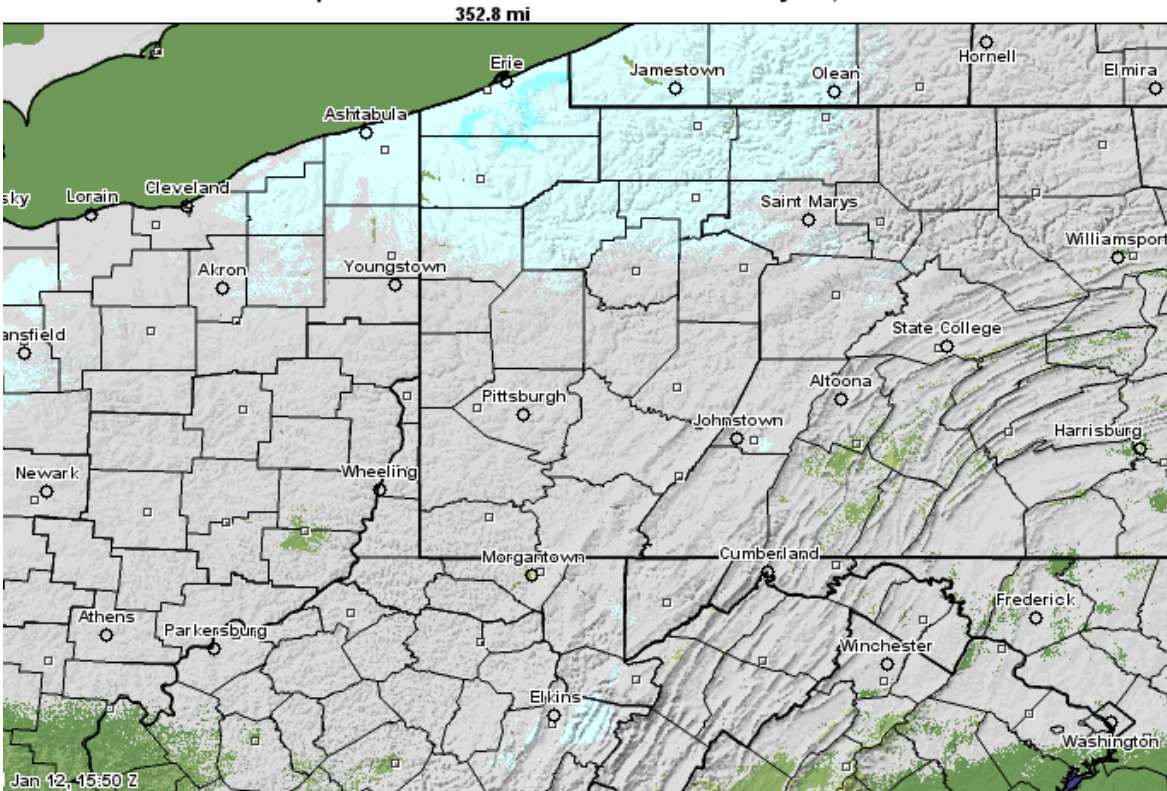
DAILY RESERVOIR SUMMARY FOR: 12-Jan-15

RESERVOIR	FLOOD STORAGE CAPACITY USED	POOL ELEVATIONS (NAVD88)				ACTUAL FOR TODAY	
		MINIMUM POOL	WINTER MAX POOL	SUMMER MAX POOL	FULL POOL	7AM POOL ELEV	7AM OUTFLOW CFS
Allegheny	0%	1239.5	1306.5	1327.5	1364.5	1302.38	4790
Tionesta	1%	1084.6			1169.6	1087.92	830
Union City	3%	1209.7			1277.7	1231.45	735
Woodcock	0%	1161.9	1164.9	1180.4	1208.4	1163.90	70
East Branch	0%	1554.8	1622.8	1649.8	1684.8	1622.30	305
Mahoning	2%	1074.2		1097.1	1161.1	1083.22	335
Crooked Creek	1%	837.4			917.4	841.80	195
Conemaugh	1%	899.2			974.2	903.22	1400
Loyalhanna	2%	909.5			974.5	920.41	190
Stonewall Jackson	0%	1037.3	1067.5	1072.5	1081.3	1067.38	85
Tygart	2%	1009.5	1039.5	1093.5	1166.5	1036.66	1300
Yough	0%	1343.4	1418.4	1438.4	1469.4	1417.64	600
Michael J. Kirwan	3%	950.6	980.6	985.1	992.6	980.86	160
Berlin	0%	979.3	1015.9	1024.0	1031.3	1015.90	450
Lake Milton	2%	929.4	939.4	947.4	950.4	939.64	490
Mosquito	7%	880.3	899.2	900.7	903.3	899.55	180
Shenango	1%	883.7	886.7	894.7	917.7	887.59	1330

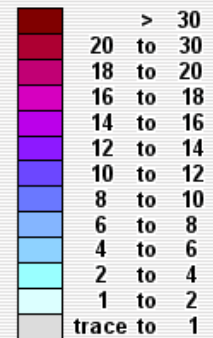
SNOW ON THE GROUND

BASIN	SNOW DEPTH	WATER CONTENT
Upper Allegheny River	8.0	0.9
Lower Allegheny River	3.3	0.4
Upper Mon. River	4.0	0.6
Lower Mon. River	3.5	0.5
Beaver River	5.7	0.5
Ohio River	2.7	0.3

Modeled Snow Water Equivalent forecasted for 2015 January 12, 13:00 UTC



Inches of water equivalent



Not Estimated

Elevation in feet

