Water-Data Report 2013

03081500 YOUGHIOGHENY RIVER AT OHIOPYLE, PA

Monongahela Basin
Youghiogheny Subbasin

LOCATION.--Lat 39°51′57″, long 79°29′41″ referenced to North American Datum of 1927, Fayette County, PA, Hydrologic Unit 05020006, on left bank 900 ft downstream from State Highway 381 bridge at Ohiopyle and 1,100 ft upstream from mouth of Meadow Run.

DRAINAGE AREA.--1,062 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2002 to September 2003, October 2009 to current year. Monthly discharge only, November 1927 to October 1950, published in WSP 1305. Annual peaks only, October 2003 to September 2009.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,164.67 ft above National Geodetic Vertical Datum of 1929, from benchmark. From November 1927 to October 1050, at site 1,400 ft upstream, datum 34.24 ft higher. Satellite telemetry at station.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the U.S. Army Corps of Engineers, Pittsburgh District.

REMARKS.--Record fair. No estimated daily discharges. Flow regulated since 1925 by Deep Creek Reservoir (station 03076000), and since December 1942 by Youghiogheny River Lake (station 03077000), and by several smaller reservoirs above station. Several measurements of water temperature were made during the year. Highest and lowest annual means and maximum peak flow listed incorrectly in the WY 2010 report.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 18, 1936 reached a stage of 13.30 ft, discharge 82,100 ft^3/s, at datum then in use, as determined by velocity-area studies.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 03081500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/03081500.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,090	4,020	917	2,040	6,820	1,690	4,100	1,160	980	1,730	824	4,650
2	1,030	3,900	905	1,840	5,560	1,490	4,260	1,080	907	2,030	821	3,240
3	1,210	2,980	931	1,510	5,400	1,360	3,930	1,030	638	2,140	879	2,430
4	1,040	2,360	975	1,560	4,830	1,270	4,300	1,060	653	2,350	875	1,750
5	895	2,040	1,050	1,340	4,630	1,190	4,350	997	693	2,150	783	1,310
6	848	1,800	1,060	1,330	4,390	1,290	3,790	823	686	1,740	830	1,080
7	852	1,640	1,120	1,290	3,630	1,250	2,690	831	760	1,280	835	1,020
8	882	1,470	3,030	1,200	2,890	1,180	3,090	2,850	1,020	1,680	1,160	980
9	871	1,320	3,110	1,200	2,650	1,110	3,580	3,550	943	1,740	3,640	966
10	869	1,280	3,060	1,530	2,240	1,270	3,440	3,930	722	1,920	6,980	924
11	862	1,560	3,620	1,790	2,420	2,130	2,960	5,120	716	2,900	3,940	867
12	856	2,150	2,970	4,280	5,120	5,890	2,990	5,980	727	2,230	3,240	915
13	868	2,980	2,530	7,080	4,210	5,750	3,430	5,170	716	1,760	2,850	996
14	903	2,420	2,330	6,890	3,880	3,910	2,560	4,580	914	1,510	3,050	921
15	901	1,840	2,270	5,870	3,610	3,090	2,330	4,250	998	1,110	2,970	880
16	918	1,550	2,130	6,540	3,400	2,590	2,250	3,910	851	1,010	2,030	811
17	920	1,350	1,970	7,500	3,210	2,320	2,620	3,250	673	938	1,630	838
18	925	1,210	3,150	7,000	2,780	2,160	2,610	2,170	754	886	1,490	835
19	965	1,120	3,000	6,360	2,460	2,160	2,470	2,000	685	800	1,320	854
20	1,030	1,070	2,820	5,420	2,090	2,910	2,720	1,910	723	883	1,200	847
21	975	1,030	6,580	4,510	1,470	2,700	2,450	1,740	714	1,050	1,040	914
22	917	1,030	5,440	4,200	1,240	2,410	2,240	1,400	773	982	1,130	1,300
23	887	1,080	4,410	3,400	1,250	2,200	2,130	1,100	746	1,720	2,270	999
24	871	1,080	3,900	2,620	1,320	2,070	1,860	1,070	689	2,280	3,310	859
25	861	1,050	3,630	2,030	1,210	1,940	1,630	1,140	711	2,170	1,960	801
26	862	1,010	3,510	1,830	1,160	1,780	1,480	1,060	671	2,050	1,990	808
27	863	983	3,400	1,830	1,420	1,570	1,300	972	830	1,940	1,640	844
28	863	968	2,970	1,690	1,910	1,450	1,250	787	1,310	1,930	4,820	825
29	1,170	961	2,620	4,500	---	1,330	1,350	813	2,150	1,270	8,470	810
30	9,970	935	2,560	4,160	---	1,750	1,290	759	1,390	892	6,210	801
31	5,120	---	2,240	10,100	---	2,570	---	740	---	840	5,830	---
Total	42,094	50,187	84,208	114,440	87,200	67,780	81,450	67,232	25,743	49,911	80,017	36,075
Mean	1,358	1,673	2,716	3,692	3,114	2,186	2,715	2,169	858	1,610	2,581	1,202
Max	9,970	4,020	6,580	10,100	6,820	5,890	4,350	5,980	2,150	2,900	8,470	4,650
Min	848	935	905	1,200	1,160	1,110	1,250	740	638	800	783	801

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,318	2,026	2,818	3,471	2,795	4,162	2,930	2,680	1,681	1,123	1,185	1,400
Max	2,589	4,764	5,152	5,836	4,777	7,095	5,295	4,512	4,841	2,089	2,581	3,533
(WY)	(2012)	(2004)	(2008)	(2005)	(2008)	(2010)	(2011)	(2003)	(2003)	(2003)	(2013)	(2003)
Min	651	924	1,244	980	1,552	990	1,351	1,113	786	745	715	592
(WY)	(2011)	(2011)	(2007)	(2011)	(2007)	(2009)	(2012)	(2007)	(2007)	(2007)	(2010)	(2010)

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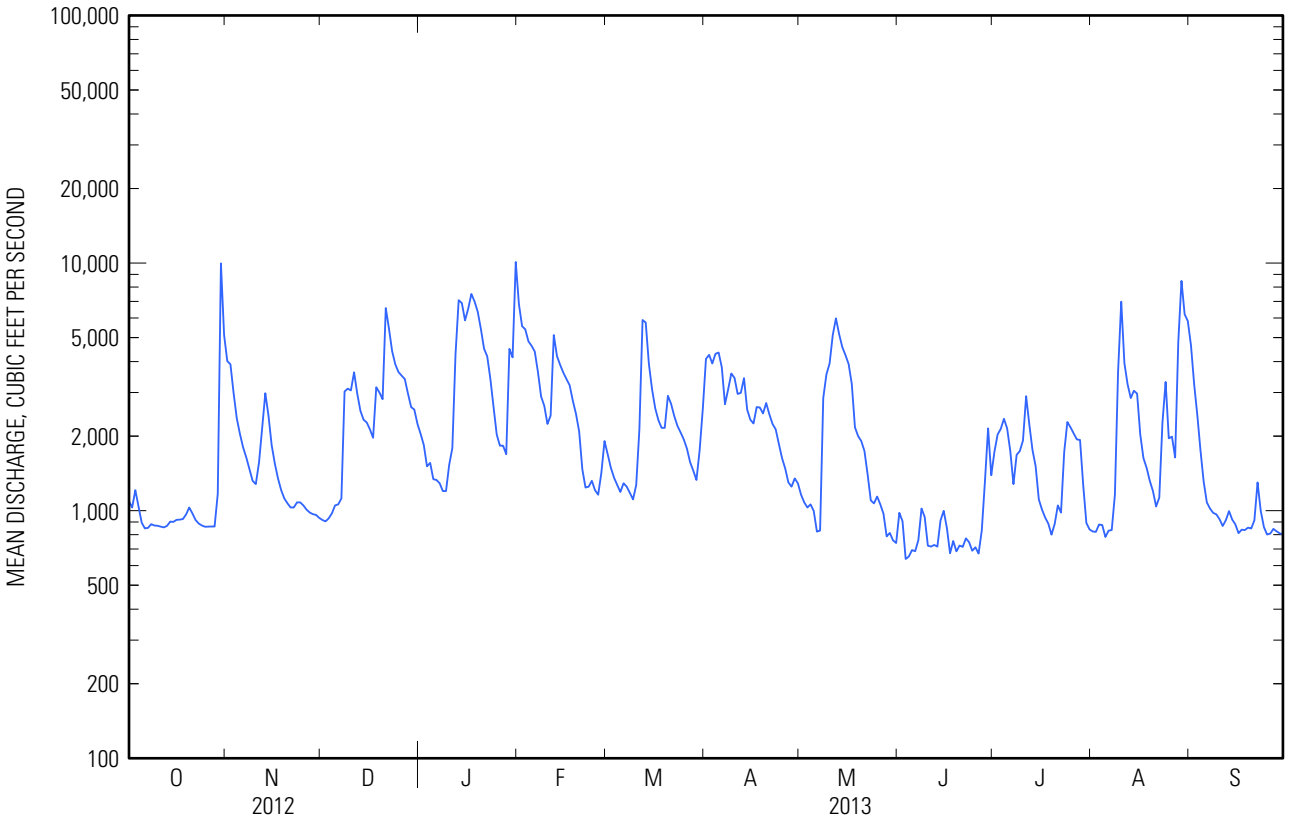
SUMMARY STATISTICS

	Calendar Year 2012	Water Year 2013	For Period of Daily Record
Annual total	680,241	786,337	
Annual mean	1,859	2,154	2,273
Highest annual mean			3,022 2004
Lowest annual mean			1,826 2006
Highest daily mean	9,970 Oct 30	10,100 Jan 31	23,900 Mar 13, 2010
Lowest daily mean	[a]565 Jul 13	638 Jun 3	[a]524 Sep 7, 2010
Annual seven-day minimum	[b]596 Jul 8	718 Jun 20	[b]567 Sep 2, 2010
Maximum peak flow		[c]14,300 Aug 28	[a,c]30,700 Mar 13, 2010
Maximum peak stage		10.35 Aug 28	14.76 Mar 13, 2010
Instantaneous low flow		521 Jul 19	
10 percent exceeds	3,770	4,320	5,250
50 percent exceeds	1,120	1,560	1,350
90 percent exceeds	794	831	776

[a] Estimated.
[b] Computed using estimated daily discharges.
[c] From rating curve extended above 11,700 ft³/s based on straight-line extension.