Water-Data Report 2013

03124800 Tuscarawas River at New Philadelphia, OH

Muskingum Basin
Tuscarawas Subbasin

LOCATION.--Lat 40°28′51″, long 81°26′54″ referenced to North American Datum of 1927, Tuscarawas County, OH, Hydrologic Unit 05040001, on right bank at bridge on South Broadway Street, 8.7 miles downstream of Dover Reservoir.

DRAINAGE AREA.--1,814 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1, 2009 to current year.

GAGE.--Water-stage recorder. Datum of gage is 849.26 ft above NAVD 1988. Nonrecording gage 1934 to 1962, water-stage recorder 1962 to 2009 operated by U.S. Army Corps of Engineers.

REMARKS.--Records fair except for periods of estimated record which are poor and from Apr 18 to 25. Flow regulated by eight flood-control reservoirs at points 9 mi to 53 mi upstream. U.S. Army Corps of Engineers satellite telemeter at station.

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 03124800, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/03124800.2013.pdf

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	414	5,980	679	1,260	5,570	6,260	1,600	2,850	603	2,760	899	479
2	374	5,000	604	e1,240	3,700	4,440	1,540	2,260	e1,110	2,820	861	461
3	383	3,020	e574	e1,230	2,670	3,120	1,400	1,920	1,520	2,400	849	789
4	408	1,830	e573	e1,220	2,280	2,470	1,290	1,690	1,090	2,040	896	685
5	409	1,380	928	e1,150	1,990	2,130	1,210	1,480	760	2,050	836	543
6	438	1,160	1,340	1,110	1,810	2,000	1,170	1,370	851	2,180	745	480
7	632	1,020	1,270	e1,060	1,570	2,030	1,100	1,270	2,010	1,970	776	444
8	625	941	e1,930	e1,040	1,530	1,910	1,050	1,210	1,960	1,850	1,280	424
9	495	868	2,650	e1,050	1,760	1,690	1,020	1,170	1,200	1,820	2,540	409
10	410	818	3,670	1,500	1,700	1,560	1,230	1,150	1,150	6,210	2,110	433
11	373	823	5,630	2,560	1,760	1,520	6,880	1,520	1,410	7,720	1,300	418
12	352	828	5,060	e3,980	2,690	2,760	7,710	1,830	1,350	7,440	972	439
13	336	1,110	3,500	e4,990	2,510	4,140	7,840	1,490	1,550	7,540	832	698
14	323	1,280	2,530	5,530	2,020	3,020	7,710	1,260	2,490	7,410	737	869
15	341	1,080	1,860	4,720	1,700	2,230	7,650	1,120	1,660	6,950	677	686
16	403	1,020	1,560	3,580	1,530	1,960	6,680	1,130	1,170	6,130	631	537
17	374	955	1,570	2,870	1,410	1,870	5,300	1,110	1,470	5,970	594	450
18	362	889	1,900	2,400	1,230	2,000	4,580	974	1,760	5,140	579	428
19	360	850	2,590	1,790	1,330	3,800	3,990	885	1,570	3,530	574	415
20	357	880	2,270	1,520	1,700	4,150	2,790	838	1,100	3,670	554	408
21	360	874	3,260	1,400	1,580	2,930	2,360	795	825	2,290	537	459
22	353	813	3,980	1,080	1,380	2,320	2,130	763	695	2,320	512	1,400
23	339	771	2,860	e843	1,260	1,990	2,040	727	625	2,900	670	1,490
24	336	748	2,230	e786	1,220	1,780	2,000	745	580	3,080	685	836
25	332	729	1,900	e745	1,160	1,730	3,030	715	564	3,280	587	594
26	327	710	1,730	e739	1,300	1,980	3,010	654	4,540	2,160	521	506
27	376	735	1,830	e732	4,080	2,310	2,270	611	5,080	1,530	494	471
28	687	750	1,710	e830	6,690	2,390	2,030	637	4,380	1,300	582	439
29	e1,250	748	1,550	e1,200	---	2,050	2,910	695	3,470	1,200	753	421
30	e3,880	712	1,470	e2,600	---	1,790	3,500	698	3,220	1,060	643	394
31	5,830	---	1,330	e4,220	---	1,630	---	622	---	955	514	---
Total	22,239	39,322	66,538	60,975	61,130	77,960	99,020	36,189	51,763	109,675	25,740	17,505
Mean	717	1,311	2,146	1,967	2,183	2,515	3,301	1,167	1,725	3,538	830	584
Max	5,830	5,980	5,630	5,530	6,690	6,260	7,840	2,850	5,080	7,720	2,540	1,490
Min	323	710	573	732	1,160	1,520	1,020	611	564	955	494	394

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2010 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,124	1,576	2,727	2,217	2,246	4,700	3,040	2,256	1,996	1,610	688	628
Max	2,659	3,071	5,589	3,962	2,941	8,465	6,281	5,614	3,534	3,538	1,044	1,084
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2011)	(2011)	(2011)	(2010)	(2013)	(2011)	(2011)
Min	378	851	1,410	1,039	1,076	2,515	1,171	1,010	508	426	371	386
(WY)	(2011)	(2010)	(2010)	(2011)	(2010)	(2013)	(2012)	(2012)	(2012)	(2012)	(2012)	(2010)

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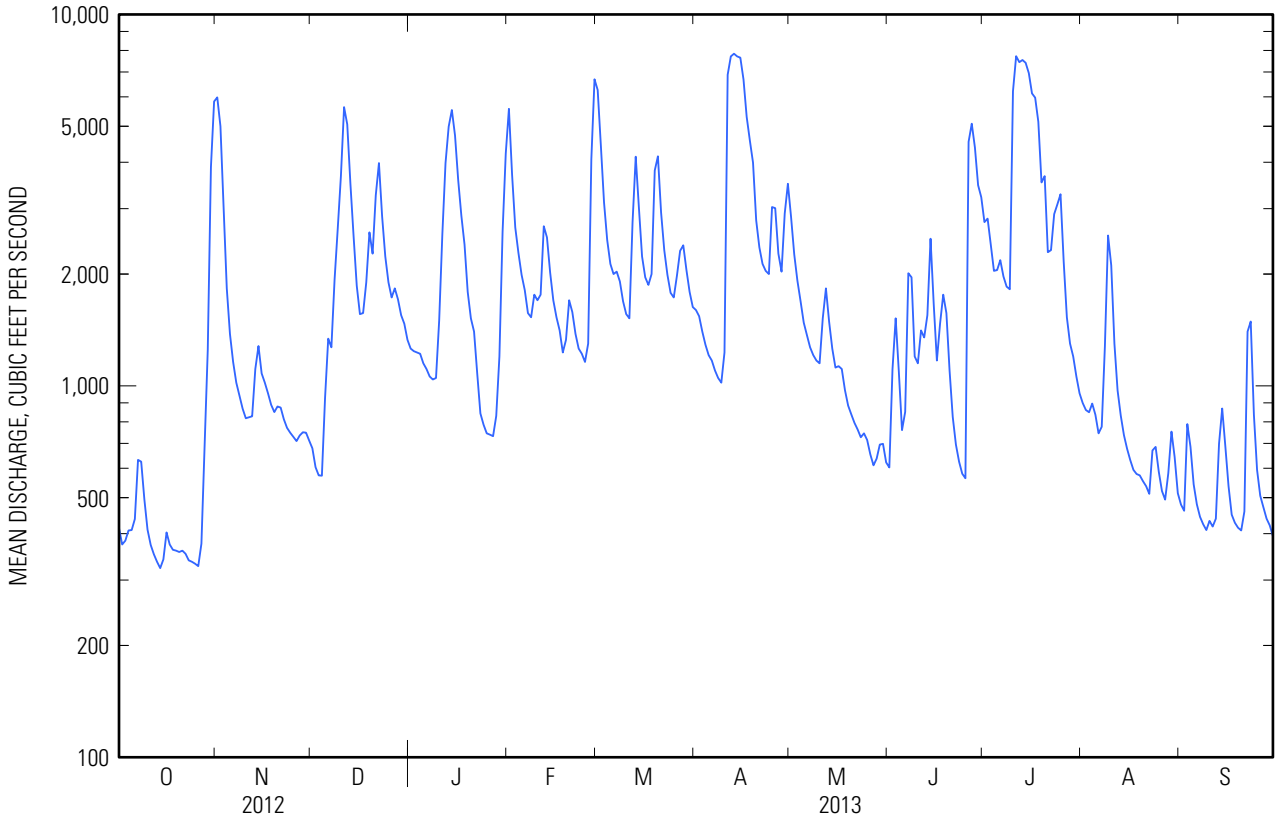
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2010 - 2013	
Annual total	552,492		668,056			
Annual mean	1,510		1,830		2,069	
Highest annual mean					2,782	2011
Lowest annual mean					1,553	2010
Highest daily mean	8,460	Jan 29	7,840	Apr 13	10,100	Mar 4, 2011
Lowest daily mean	280	Aug 27	323	Oct 14	262	Oct 2, 2010
Annual seven-day minimum	309	Aug 21	343	Oct 20	293	Oct 12, 2010
Maximum peak flow			8,860	Jul 11	10,500	Feb 28, 2011
Maximum peak stage			7.15	Jul 11	7.94	Mar 4, 2011
Instantaneous low flow			299	Oct 14[a.]	230	Aug 27, 2012
10 percent exceeds	3,490		4,030		5,970	
50 percent exceeds	871		1,290		1,150	
90 percent exceeds	339		448		398	

[a.] Also Oct 23 and 26.