Water-Data Report 2013

03144500 Muskingum River at Dresden OH

Muskingum Basin
Muskingum Subbasin

LOCATION.--Lat 40°07′13″, long 81°59′59″ referenced to North American Datum of 1927, Muskingum County, OH, Hydrologic Unit 05040004, on left bank 150 ft. downstream from bridge on State Highway 208, 0.5 mi. east of Dresden, 0.5 mi. downstream from Wakatomika Creek.

DRAINAGE AREA.--5,993 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1921 to September 1984 (discontinued as discharge station). September 1984 to September 2009 operated as a stage only station. October 2009 to current year.

REVISED RECORDS.--WSP 728: 1927(M). WSP 803: 1935. WSP 1385: 1922-23, 1928(M), 1929, 1930(M). WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 693.15 ft. COE 1912. Prior to Aug 24, 1925, non-recording gage at about the same site and datum.

REMARKS.--Records good. Flow regulated by 16 flood-control reservoirs at points 15 to 105 mi upstream. Water-quality collected at this site in 1966, 1969 and 1977. Water temperatures collected 1952-61, 1963-74. Sediment data collected 1952-74. USACE satellite telemeter at station

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March of 1913 reached a stage of 46.0 ft at the present site and datum, recorded from floodmarks, with a calculated discharge of 228,000 ft^3s computed by Corps of Engineers.

EXTREMES FOR PERIOD PRIOR TO REGULATION.--Maximum discharge of 100,000 ft^3s, August 9, 1935, at a of stage 31.6 ft; minimum daily discharge of 335 ft^3s June25, 1925

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 03144500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/03144500.2013.pdf

03144500 Muskingum River at Dresden OH—Continued

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

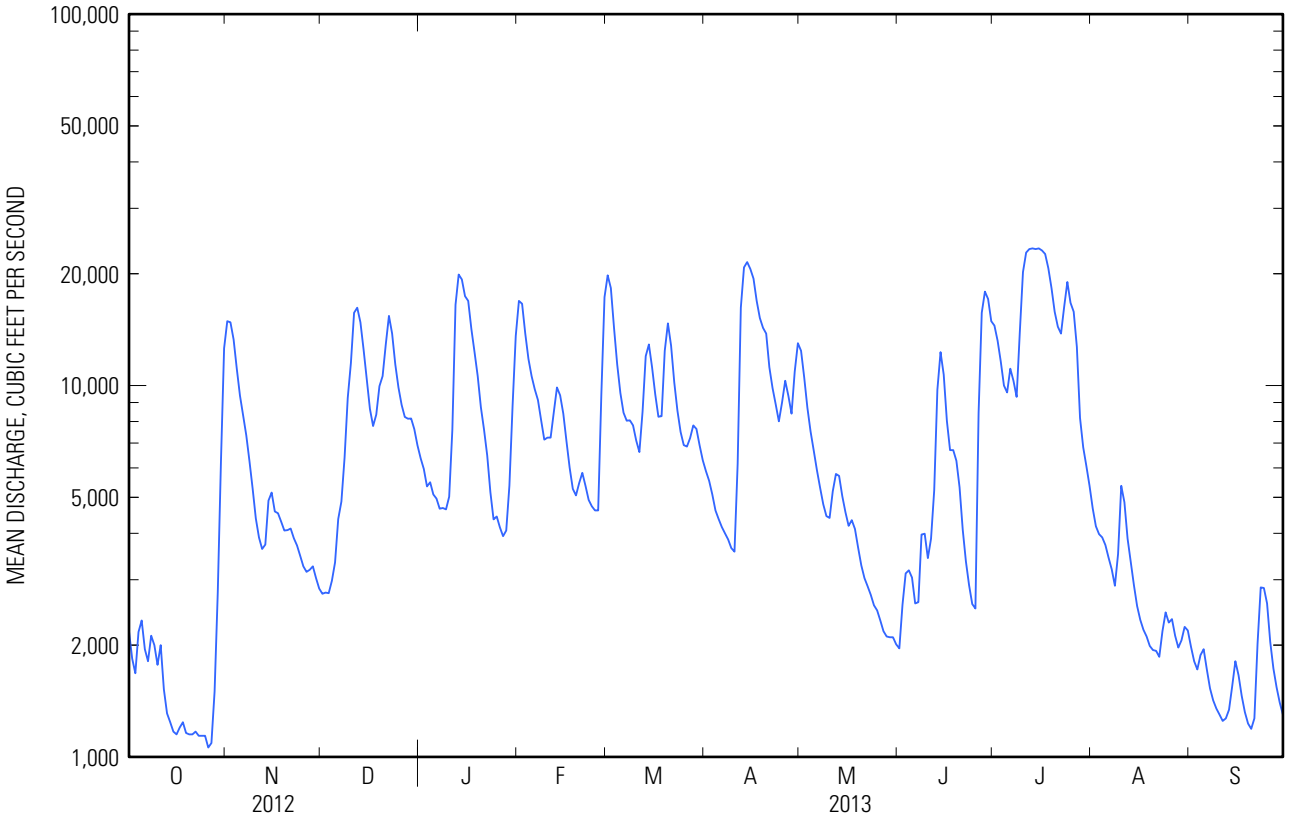
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,180	14,900	2,750	6,370	16,900	19,800	5,880	12,400	1,960	14,500	4,670	1,980
2	1,840	14,800	2,770	5,960	16,600	18,300	5,540	10,500	2,570	13,200	4,180	1,810
3	1,680	13,300	2,760	5,350	13,800	14,300	5,090	8,710	3,120	11,600	3,980	1,720
4	2,170	11,100	2,980	5,490	11,800	11,400	4,610	7,520	3,180	10,000	3,900	1,880
5	2,330	9,400	3,340	5,090	10,600	9,550	4,370	6,680	3,040	9,580	3,720	1,950
6	1,950	8,310	4,370	4,960	9,770	8,450	4,160	5,920	2,590	11,100	3,440	1,720
7	1,810	7,340	4,870	4,660	9,140	8,040	4,000	5,310	2,610	10,300	3,200	1,530
8	2,120	6,260	6,390	4,680	8,070	8,060	3,850	4,790	3,970	9,320	2,890	1,420
9	2,000	5,280	9,260	4,640	7,150	7,810	3,650	4,450	3,990	13,900	3,520	1,350
10	1,770	4,390	11,500	5,020	7,240	7,110	3,570	4,400	3,430	20,200	5,370	1,300
11	2,000	3,900	15,700	7,600	7,240	6,620	6,160	5,190	3,870	22,800	4,850	1,250
12	1,520	3,630	16,200	16,500	8,470	8,500	16,200	5,780	5,220	23,300	3,870	1,270
13	1,310	3,730	14,800	19,900	9,880	12,000	20,800	5,710	9,740	23,400	3,350	1,340
14	1,240	4,900	12,500	19,300	9,410	12,900	21,500	5,040	12,300	23,300	2,900	1,550
15	1,170	5,150	10,400	17,400	8,400	11,200	20,600	4,560	10,700	23,400	2,550	1,810
16	1,150	4,580	8,650	16,900	7,080	9,470	19,400	4,190	8,030	23,100	2,340	1,660
17	1,200	4,530	7,780	14,200	6,010	8,240	16,900	4,340	6,700	22,600	2,200	1,460
18	1,240	4,300	8,350	12,300	5,270	8,270	15,200	4,110	6,700	20,700	2,110	1,320
19	1,160	4,070	9,960	10,600	5,060	12,400	14,300	3,660	6,270	18,300	1,990	1,230
20	1,150	4,080	10,600	8,740	5,460	14,700	13,800	3,280	5,320	15,800	1,940	1,190
21	1,150	4,120	12,900	7,600	5,820	12,800	11,200	3,030	4,090	14,400	1,930	1,270
22	1,170	3,880	15,400	6,480	5,370	10,200	9,850	2,880	3,360	13,800	1,860	2,020
23	1,140	3,710	13,800	5,160	4,920	8,560	8,900	2,730	2,900	16,300	2,180	2,860
24	1,140	3,480	11,400	4,360	4,730	7,500	8,010	2,560	2,580	19,000	2,450	2,850
25	1,140	3,260	9,880	4,440	4,610	6,910	9,000	2,480	2,510	16,700	2,300	2,590
26	1,060	3,150	8,870	4,150	4,610	6,850	10,300	2,330	8,430	15,800	2,350	2,040
27	1,090	3,190	8,230	3,930	9,460	7,220	9,380	2,180	15,700	12,700	2,120	1,730
28	1,500	3,260	8,140	4,070	17,300	7,810	8,400	2,110	17,900	8,180	1,970	1,540
29	2,770	3,030	8,150	5,380	---	7,640	10,900	2,100	17,100	6,820	2,060	1,400
30	6,210	2,840	7,630	8,820	---	6,900	13,000	2,100	14,900	6,070	2,240	1,300
31	12,600	---	6,900	13,600	---	6,290	---	2,010	---	5,370	2,190	---
Total	63,960	171,870	277,230	263,650	240,170	305,800	308,520	143,050	194,780	475,540	90,620	50,340
Mean	2,063	5,729	8,943	8,505	8,578	9,865	10,280	4,615	6,493	15,340	2,923	1,678
Max	12,600	14,900	16,200	19,900	17,300	19,800	21,500	12,400	17,900	23,400	5,370	2,860
Min	1,060	2,840	2,750	3,930	4,610	6,290	3,570	2,010	1,960	5,370	1,860	1,190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,081	3,474	6,240	7,602	10,300	13,940	12,160	8,402	5,905	3,920	2,763	2,181
Max	8,796	13,370	21,560	24,010	26,160	28,670	21,200	19,120	21,320	18,640	19,570	12,900
(WY)	(1980)	(1973)	(2012)	(1950)	(1959)	(2011)	(1948)	(2011)	(1947)	(1969)	(1980)	(1979)
Min	689	603	647	1,128	1,242	3,262	2,984	1,844	1,482	865	716	579
(WY)	(1954)	(1954)	(1964)	(1977)	(1964)	(1969)	(1941)	(1941)	(1955)	(1954)	(1962)	(1963)

03144500 Muskingum River at Dresden OH—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1938 - 2013	
Annual total	2,038,404		2,585,530			
Annual mean	5,569		7,084		6,559	
Highest annual mean					10,700	1980
Lowest annual mean					2,600	1954
Highest daily mean	30,300	Jan 31	23,400	Jul 13 [a]	42,000	Jan 27, 1952
Lowest daily mean	677	Aug 27	1,060	Oct 26	460	Sep 14, 1954
Annual seven-day minimum	725	Aug 25	1,130	Oct 21	488	Sep 26, 1954
Maximum peak flow			23,600	Jul 12 [b]	45,200	Jan 27, 1952
Maximum peak stage			16.05	Jul 13	21.98	Jan 27, 1952
Instantaneous low flow			1,030	Oct 26 [c]	660	Aug 27, 2012
10 percent exceeds	12,500		15,500		17,300	
50 percent exceeds	3,180		5,280		3,750	
90 percent exceeds	1,020		1,720		1,010	

[a] Also on July 15.
[b] Also on July 13.
[c] Also on October 27.