Water-Data Report 2012

04193500 Maumee River at Waterville, OH

Western Lake Erie Basin
Lower Maumee Subbasin

LOCATION.--Lat 41°30′00″, long 83°42′46″ referenced to North American Datum of 1927, Lucas County, OH, Hydrologic Unit 04100009, at highway bridge on State Route 64, in Waterville, 3 mi downstream from Tontogany Creek (Maumee quadrangle). Gage is on downstream side of bridge on left pier.

DRAINAGE AREA.--6,330 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1898 to December 1901. August 1921 to December 1935. March 1939 to current year. Miami and Erie Canal flow included at Waterville prior to 1930 when the canal was abandoned.

REVISED RECORDS.--WSP 894: 1930(M). WSP 1084: 1946. WSP 1387: 1900(M). 1922-23. 1933. WDR OH-68-1: 1967 WDR OH-70-1:Drainage area WDR-OH-82-2:1981. WDR OH-06-2:2005 (M).

GAGE.--Water-stage recorder with auxiliary crest-stage gage. Datum of gage is 595.71 ft NGVD 1929. Nov. 19, 1898-Dec. 31, 1901 and Aug. 26, 1921 to July 31, 1930, non-recording gage. Aug. 1, 1930 to Dec. 31,1935, water-stage recorder. Mar. 14, 1939- Mar. 12, 1940, non-recording gage at same site and datum.

REMARKS.--Records good. Satellite telemeter at station. Water-quality and sediment data formerly collected at this site. Water-quality and sediment sample data are available on NWISWEB (http://nwis.usgs.gov).

EXTREMES FOR PERIOD OF RECORD.--Practically no flow at times prior to June 30, 1929, when entire river flow was being diverted by canal.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in Mar. 1913 reached a stage of 19.9 ft from information by local resident; estimated discharge 180,000 ft^3/s, from rating curve extended above 94,000 ft^3/s.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 04193500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/04193500.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13,800	4,700	78,600	9,810	11,600	14,100	3,260	1,220	1,630	219	457	410
2	10,800	3,640	67,400	9,260	10,100	14,800	2,240	1,300	1,120	191	396	402
3	7,500	2,440	52,200	7,890	8,920	24,900	2,260	2,830	941	89	385	410
4	5,100	2,660	38,700	6,500	7,150	26,200	3,380	4,740	966	195	404	441
5	3,790	1,990	37,500	4,960	7,680	19,700	2,400	3,910	1,040	256	725	394
6	2,150	1,680	45,800	3,980	11,000	14,800	2,060	3,340	912	254	627	484
7	1,710	1,520	45,600	4,000	10,300	10,900	1,770	3,230	664	266	1,110	379
8	1,320	1,520	40,100	3,670	8,460	8,380	1,920	4,730	523	232	1,450	523
9	952	1,670	32,000	3,220	6,430	7,570	1,590	4,330	510	158	1,010	901
10	1,090	1,380	23,500	2,790	5,340	6,770	1,360	3,660	382	148	900	1,530
11	976	2,240	17,500	2,890	4,300	6,360	1,330	3,820	393	122	2,130	1,360
12	695	1,950	13,200	3,160	3,580	5,000	1,350	3,240	479	121	3,170	1,100
13	579	1,780	10,300	3,770	2,950	7,240	1,180	2,160	304	121	1,780	748
14	791	2,040	7,530	5,290	2,530	5,900	1,310	1,670	299	112	1,460	493
15	750	11,000	16,200	4,570	2,420	5,040	1,260	1,720	384	142	1,880	445
16	274	19,200	32,200	3,710	3,270	5,510	1,300	1,380	424	212	1,700	446
17	338	16,900	30,300	6,360	3,370	6,110	902	1,110	484	149	1,360	450
18	555	12,700	23,900	26,100	3,880	6,480	997	1,190	483	238	1,170	552
19	906	8,840	17,400	29,400	4,800	7,270	1,260	1,030	486	224	804	441
20	12,600	6,470	13,100	21,200	4,510	6,220	1,200	907	385	759	658	399
21	31,900	5,000	14,100	14,400	3,420	4,150	1,020	803	323	533	510	363
22	31,600	4,480	26,000	8,670	3,530	3,530	959	682	303	605	359	427
23	27,000	27,500	26,300	9,800	3,230	3,050	1,040	736	245	683	300	446
24	20,600	35,800	20,900	21,000	5,380	10,100	1,110	620	335	853	280	357
25	14,700	29,000	15,200	24,300	9,630	19,100	953	555	440	716	263	282
26	10,900	21,300	10,200	19,400	10,500	13,900	1,000	380	393	719	251	340
27	8,930	16,500	7,790	18,800	8,750	10,600	1,010	503	331	627	355	310
28	9,350	20,300	7,860	25,600	6,490	8,090	868	640	266	594	314	385
29	10,500	38,800	9,410	24,800	7,110	4,990	952	559	264	584	224	363
30	7,940	73,400	9,550	20,400	---	4,360	959	499	203	528	325	964
31	5,240	---	9,760	15,100	---	4,010	---	696	---	500	620	---
Total	245,336	378,400	800,100	364,800	180,630	295,130	44,200	58,190	15,912	11,150	27,377	16,545
Mean	7,914	12,610	25,810	11,770	6,229	9,520	1,473	1,877	530	360	883	552
Max	31,900	73,400	78,600	29,400	11,600	26,200	3,380	4,740	1,630	853	3,170	1,530
Min	274	1,380	7,530	2,790	2,420	3,050	868	380	203	89	224	282
Med	5,100	4,850	20,900	8,670	5,380	7,240	1,260	1,220	409	238	627	441
Cfsm	1.25	1.99	4.08	1.86	0.98	1.50	0.23	0.30	0.08	0.06	0.14	0.09
In.	1.44	2.22	4.70	2.14	1.06	1.73	0.26	0.34	0.09	0.07	0.16	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,691	3,158	5,969	7,271	8,039	11,110	9,636	6,538	4,470	2,480	1,396	1,227
Max	13,810	19,010	25,810	34,010	30,000	38,210	25,890	29,540	24,030	12,740	11,740	10,320
(WY)	(2002)	(1993)	(2012)	(1950)	(1976)	(1982)	(1957)	(1943)	(1981)	(2003)	(2007)	(1992)
Min	95.5	196	177	235	424	1,759	914	587	231	207	146	127
(WY)	(1964)	(1965)	(1964)	(1945)	(1934)	(1941)	(1946)	(1934)	(1988)	(1930)	(1941)	(1963)

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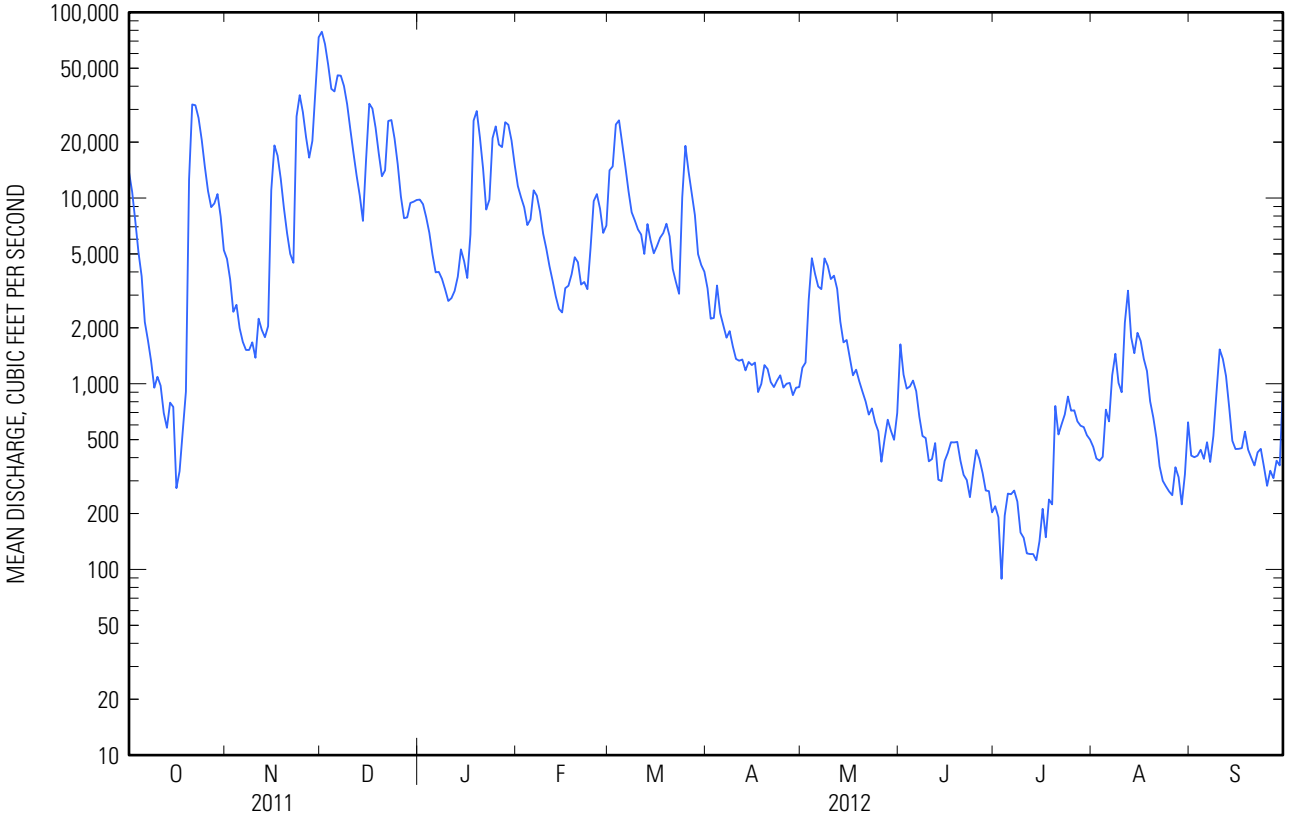
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1930 - 2012	
Annual total	3,896,518		2,437,770			
Annual mean	10,680		6,661		5,235	
Highest annual mean					9,370	1950
Lowest annual mean					938	1931
Highest daily mean	78,600	Dec 1	78,600	Dec 1	113,000	Mar 14, 1982
Lowest daily mean	233	Sep 6	89	Jul 3	17	Jun 30, 1988
Annual seven-day minimum	421	Sep 2	132	Jul 9	47	Jun 27, 1988
Maximum peak flow			81,800	Dec 1	121,000	Mar 14, 1982
Maximum peak stage			13.18	Dec 1	17.18	Mar 14, 1982
Instantaneous low flow			75	Jul 3	17	Jun 30, 1988
Annual runoff (cfsm)	1.69		1.05		0.83	
Annual runoff (inches)	22.90		14.33		11.24	
10 percent exceeds	32,900		20,300		14,700	
50 percent exceeds	3,420		1,940		1,730	
90 percent exceeds	609		324		274