Water-Data Report 2012

04199000 Huron River at Milan OH

Western Lake Erie Basin
Huron-Vermilion Subbasin

LOCATION.--Lat 41°18′03″, long 82°36′30″ referenced to North American Datum of 1927, Erie County, OH, Hydrologic Unit 04100012, on right bank, 500 ft downstream of U.S. Route 250 bridge, 2 mi downstream from confluence of East and West Branches.

DRAINAGE AREA.--371 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1950 to September 1980, October 1987 to current year.

REVISED RECORDS.--WSP 1912: Drainage area. WDR OH-89-2: 1988.

GAGE.--Water-stage recorder. Datum of gage is 573.26 ft above NGVD of 1929. October 1987 to May 2005 at site 500 ft upstream at same datum; July 29, 1953 to Oct. 5, 1979, at site of former highway bridge at current site at same datum; prior to July 29, 1953, nonrecording gage at same site and same datum.

REMARKS.--Records fair except for periods of estimated record, which are poor. Water-quality and sediment data formerly collected at this site.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,700 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 20	1145	6,370	16.31
Nov 15	1030	4,780	14.90
Nov 23	1000	5,230	15.33
Nov 29	1600	7,830	17.35
Dec 6	0545	*9,970	*18.66
Dec 21	1815	5,420	15.50
Jan 17	1800	4,950	15.07
Jan 27	1015	6,210	16.18
Mar 16	1530	6,380	16.32

Minimum discharge, 7.8 ft^3/s, Sept. 1, 3, gage height, 5.65 ft.

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 04199000, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/04199000.2012.pdf

04199000 Huron River at Milan OH—Continued

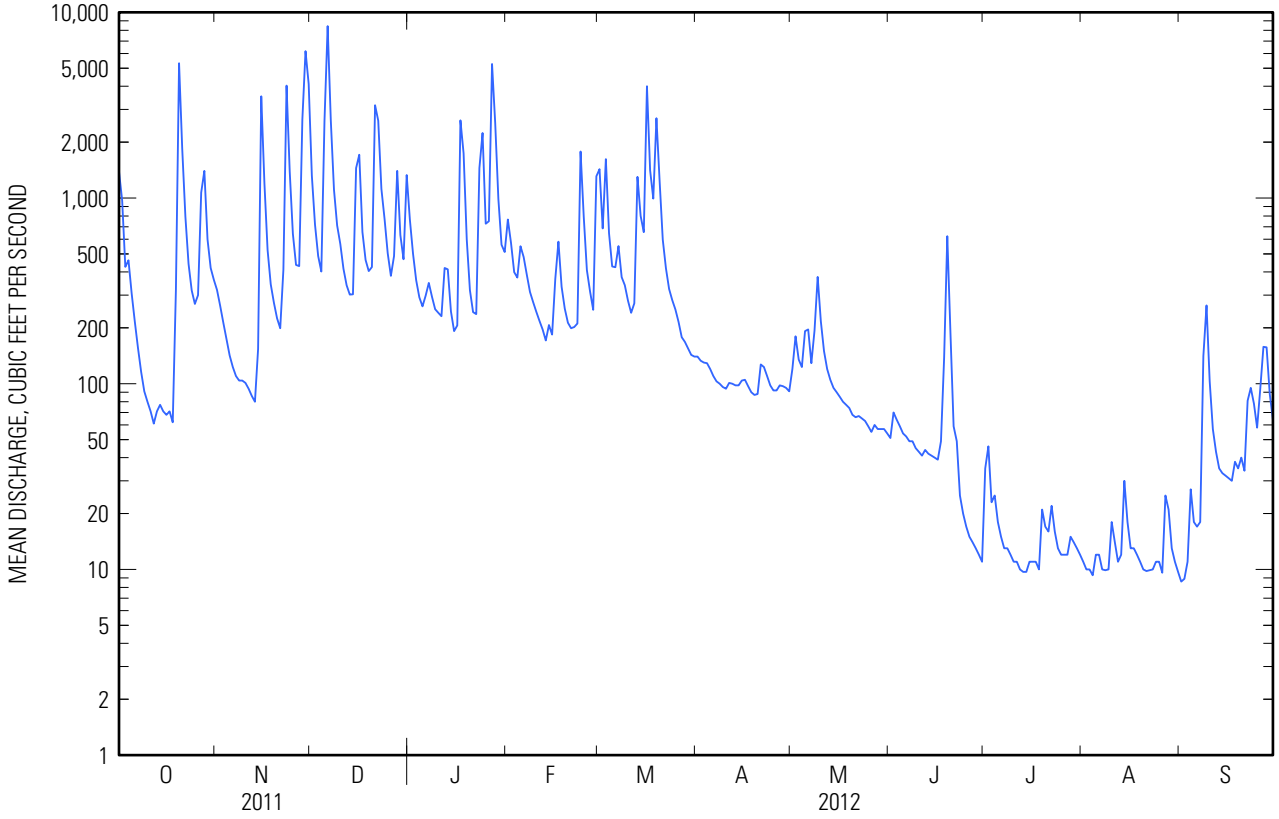
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,390	320	1,320	768	766	1,430	140	120	e51	35	11	8.6
2	970	263	719	502	573	686	133	180	e70	46	10	8.9
3	426	213	487	e361	399	1,620	130	135	e64	23	10	11
4	462	174	402	e292	373	647	129	123	e59	25	9.3	27
5	307	142	2,610	e261	550	428	120	192	e54	18	12	18
6	216	123	8,430	298	481	424	110	196	e52	15	12	17
7	156	110	2,610	349	386	551	103	129	49	13	10	18
8	116	104	1,110	294	312	375	100	193	49	13	9.9	141
9	91	104	712	252	275	339	96	376	45	12	10	264
10	80	101	566	241	e244	280	94	217	43	11	18	103
11	71	94	416	231	e218	241	101	150	41	11	14	57
12	61	86	339	420	e196	271	100	120	44	10	11	43
13	71	80	302	413	e171	1,300	98	105	42	9.7	12	35
14	77	154	303	e245	e207	801	98	95	41	9.7	30	33
15	71	3,530	1,450	e192	e184	655	104	90	40	11	18	32
16	68	1,200	1,710	e206	366	4,000	105	85	39	11	13	31
17	71	525	656	2,620	582	1,410	97	80	49	11	13	30
18	62	343	464	1,740	333	993	90	77	138	10	12	38
19	320	273	404	598	254	2,690	87	74	623	21	11	35
20	5,320	225	425	e319	213	1,240	88	68	188	17	10	40
21	1,840	199	3,160	e243	199	597	127	66	59	16	9.8	34
22	794	411	2,610	e237	202	419	123	67	49	22	9.9	81
23	442	4,030	1,120	e1,450	211	324	110	65	25	16	10	95
24	318	1,390	772	2,240	1,780	282	98	63	20	13	11	78
25	269	642	504	727	796	251	92	e59	17	12	11	58
26	300	436	381	750	409	215	92	e55	15	12	9.6	94
27	1,070	430	487	5,270	314	178	98	e60	14	12	25	158
28	1,400	2,650	1,400	2,530	250	168	97	e57	13	15	21	157
29	599	6,180	632	988	1,310	155	95	e57	12	14	13	88
30	420	4,110	468	560	---	143	91	e57	11	13	11	64
31	363	---	1,330	512	---	140	---	e54	---	12	9.7	---
Total	18,221	28,642	38,299	26,109	12,554	23,253	3,146	3,465	2,016	489.4	397.2	1,897.5
Mean	588	955	1,235	842	433	750	105	112	67.2	15.8	12.8	63.2
Max	5,320	6,180	8,430	5,270	1,780	4,000	140	376	623	46	30	264
Min	61	80	302	192	171	140	87	54	11	9.7	9.3	8.6
Cfsm	1.58	2.57	3.33	2.27	1.17	2.02	0.28	0.30	0.18	0.04	0.03	0.17
In.	1.83	2.87	3.84	2.62	1.26	2.33	0.32	0.35	0.20	0.05	0.04	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	79.7	196	404	513	571	740	582	356	255	169	105	79.8
Max	588	1,259	1,909	2,510	1,558	2,416	1,536	1,546	980	1,821	749	573
(WY)	(2012)	(1973)	(1991)	(2005)	(2008)	(2008)	(1957)	(2011)	(1981)	(1969)	(1998)	(1972)
Min	7.86	14.0	9.23	26.8	24.0	117	86.0	46.5	14.9	11.8	11.3	5.76
(WY)	(1964)	(1964)	(1964)	(1977)	(1964)	(1981)	(1971)	(1962)	(1988)	(1963)	(1952)	(1955)

04199000 Huron River at Milan OH—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1951 - 2012	
Annual total	288,336		158,489.1			
Annual mean	790		433		337	
Highest annual mean					669	2008
Lowest annual mean					145	1953
Highest daily mean	14,700	Feb 28	8,430	Dec 6	31,400	Jul 5, 1969
Lowest daily mean	24	Aug 23	8.6	Sep 1	3.0	Sep 10, 1955
Annual seven-day minimum	28	Aug 18	10	Aug 20	3.4	Sep 16, 1955
Maximum peak flow			9,970	Dec 6	49,600	Jul 5, 1969
Maximum peak stage			18.66	Dec 6	31.10	Jul 5, 1969
Instantaneous low flow			7.8	Sep 1	2.2	Sep 10, 1955
Annual runoff (cfsm)	2.13		1.17		0.91	
Annual runoff (inches)	28.91		15.89		12.32	
10 percent exceeds	2,110		1,140		770	
50 percent exceeds	240		129		93	
90 percent exceeds	40		12		17