Water-Data Report 2010

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 rated fair, except for periods of equipment malfunction and ice effect, 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)
Mar 11	0300	*6,310	*16.26

Minimum discharge, 7.5 ft^3/s, Sept. 25, 26, gage height, 5.51 ft.

Suggested citation: U.S. Geological Survey, 2011, Water-resources data for the United States, Water Year 2010: U.S. Geological Survey Water-Data Report WDR-US-2010, site 04199000, accessed at http://wdr.water.usgs.gov/wy2010/pdfs/04199000.2010.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e30	324	40	e205	e110	e152	307	158	987	129	22	10
2	e56	180	43	e145	e87	e180	239	145	577	88	20	10
3	e77	94	94	e140	e71	e245	203	138	221	69	20	10
4	e81	68	181	e180	e60	e230	174	129	146	57	19	9.2
5	e53	56	152	e160	e51	e220	158	111	415	50	58	8.8
6	e43	51	117	e125	e40	198	160	115	1,610	45	32	9.2
7	e46	46	103	e105	e55	193	148	112	616	39	48	9.3
8	e42	45	84	e100	e50	324	296	167	262	38	30	8.9
9	e52	44	113	e95	e59	e1,000	359	183	546	69	22	9.0
10	e62	42	461	e62	e55	e3,180	220	126	795	51	19	9.4
11	e62	41	302	e52	e55	5,240	170	224	282	46	20	9.6
12	e68	39	260	e53	e53	2,860	147	1,260	183	39	23	11
13	e60	39	302	e52	e52	1,340	138	1,530	1,310	36	18	9.9
14	e55	37	217	e58	e48	2,480	126	1,660	390	33	15	10
15	e55	38	217	71	e46	1,410	118	782	190	30	22	10
16	e61	38	197	85	e51	725	115	332	136	28	25	27
17	e68	35	210	126	59	458	110	251	102	25	15	28
18	e66	34	155	168	58	330	104	1,280	82	26	15	16
19	e65	36	e75	178	57	260	99	678	69	24	14	14
20	e61	36	e65	142	54	222	95	329	59	27	12	12
21	e59	36	e58	94	54	192	94	220	53	27	24	10
22	e65	39	e52	92	74	244	92	205	58	27	42	10
23	e71	36	e47	123	158	617	87	201	116	41	41	9.6
24	e86	35	e43	1,030	360	415	86	149	900	80	26	8.7
25	e88	35	79	2,340	279	296	127	122	383	68	21	8.3
26	e76	35	642	904	e195	348	1,690	107	139	70	18	8.1
27	75	37	369	e257	e175	524	1,280	97	103	42	16	8.4
28	88	37	e274	e165	e160	593	457	90	1,200	33	14	46
29	210	37	e320	e155	---	1,520	258	88	1,030	30	13	61
30	168	40	e215	e180	---	769	193	82	249	27	12	50
31	145	---	e300	e138	---	427	---	101	---	24	11	---
Total	2,294	1,690	5,787	7,780	2,626	27,192	7,850	11,172	13,209	1,418	707	461.4
Mean	74.0	56.3	187	251	93.8	877	262	360	440	45.7	22.8	15.4
Max	210	324	642	2,340	360	5,240	1,690	1,660	1,610	129	58	61
Min	30	34	40	52	40	152	86	82	53	24	11	8.1
Cfsm	0.20	0.15	0.50	0.68	0.25	2.36	0.71	0.97	1.19	0.12	0.06	0.04
In.	0.23	0.17	0.58	0.78	0.26	2.73	0.79	1.12	1.32	0.14	0.07	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	70.1	180	393	512	562	723	575	338	258	173	108	78.8
Max	402	1,259	1,909	2,510	1,558	2,416	1,536	929	980	1,821	749	573
(WY)	(1991)	(1973)	(1991)	(2005)	(2008)	(2008)	(1957)	(1967)	(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)

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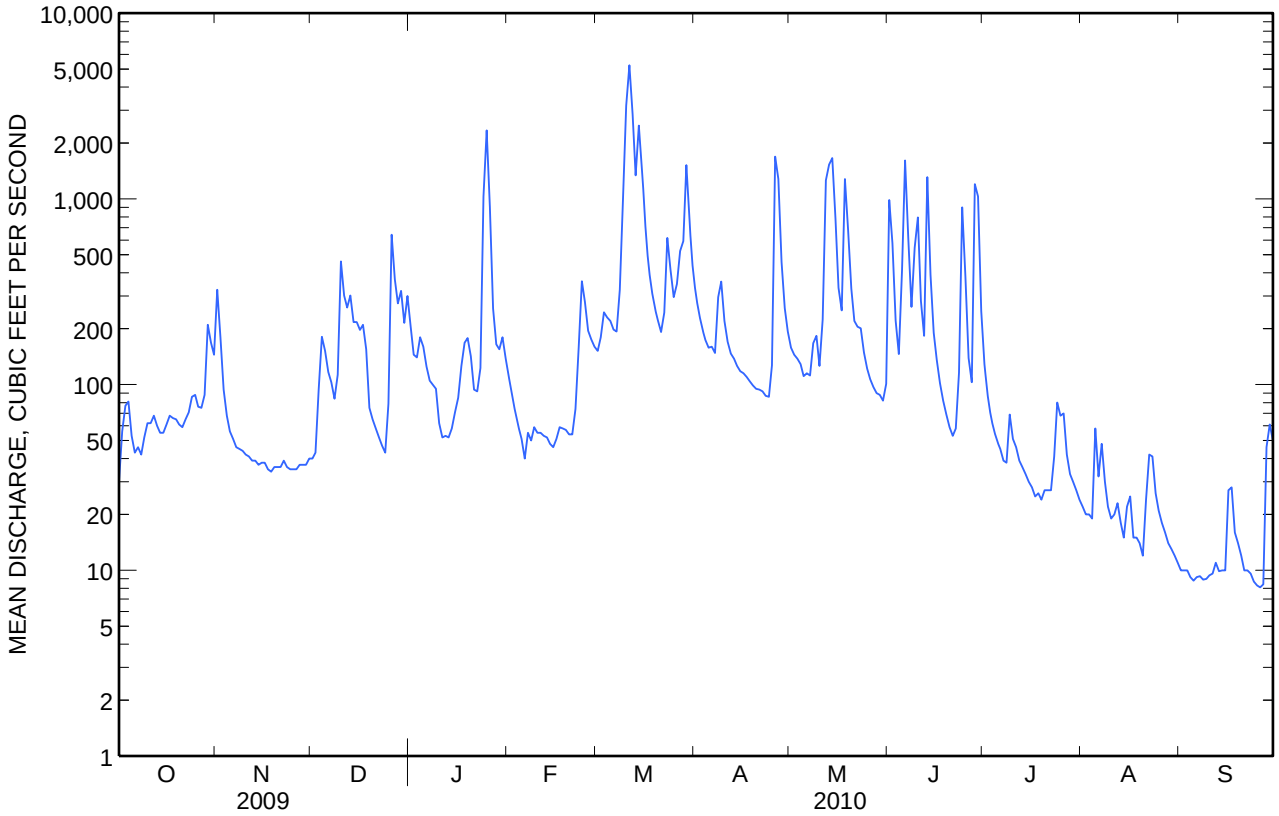
SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1951 - 2010	
Annual total	123,523		82,186.4			
Annual mean	338		225		330	
Highest annual mean					669	2008
Lowest annual mean					145	1953
Highest daily mean	11,400	Mar 9	5,240	Mar 11	31,400	Jul 5, 1969
Lowest daily mean	13	Sep 21	8.1	Sep 26	3.0	Sep 10, 1955
Annual seven-day minimum	14	Sep 19	9.0	Sep 21	3.4	Sep 16, 1955
Maximum peak flow			6,310	Mar 11	49,600	Jul 5, 1969
Maximum peak stage			16.26	Mar 11	31.10	Jul 5, 1969
Instantaneous low flow			7.5	Sep 25 [a]	2.2	Sep 10, 1955
Annual runoff (cfsm)	0.91		0.61		0.89	
Annual runoff (inches)	12.39		8.24		12.08	
10 percent exceeds	533		459		756	
50 percent exceeds	113		82		91	
90 percent exceeds	25		18		17	

[a] Also Sep 26.