Water-Data Report 2012

04197100 Honey Creek at Melmore OH

Western Lake Erie Basin
Sandusky Subbasin

LOCATION.--Lat 41°01′20″, long 83°06′35″ referenced to North American Datum of 1927, Seneca County, OH, Hydrologic Unit 04100011, on left bank at downstream side of bridge on State Highways 67 and 100, 1.5 mi upstream from Buckeye Creek.

DRAINAGE AREA.--149 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1961-75, February 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 816.21 ft. NAVD 1988. Previously described as: "Elevation of gage is 818 ft NGVD 1929 (from topographic map)."

REMARKS.--Records fair except for periods of estimated record, which are poor. Water-quality data also collected at this site in previous years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 20	2000	2,170	8.12
Nov 29	1900	*2,500	*8.66
Dec 6	1400	2,450	8.57
Jan 27	2230	2,000	7.84

Minimum discharge, 1.0 ft^3/s, July 19, gage height, 1.53 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 04197100, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/04197100.2012.pdf

04197100 Honey Creek at Melmore OH—Continued

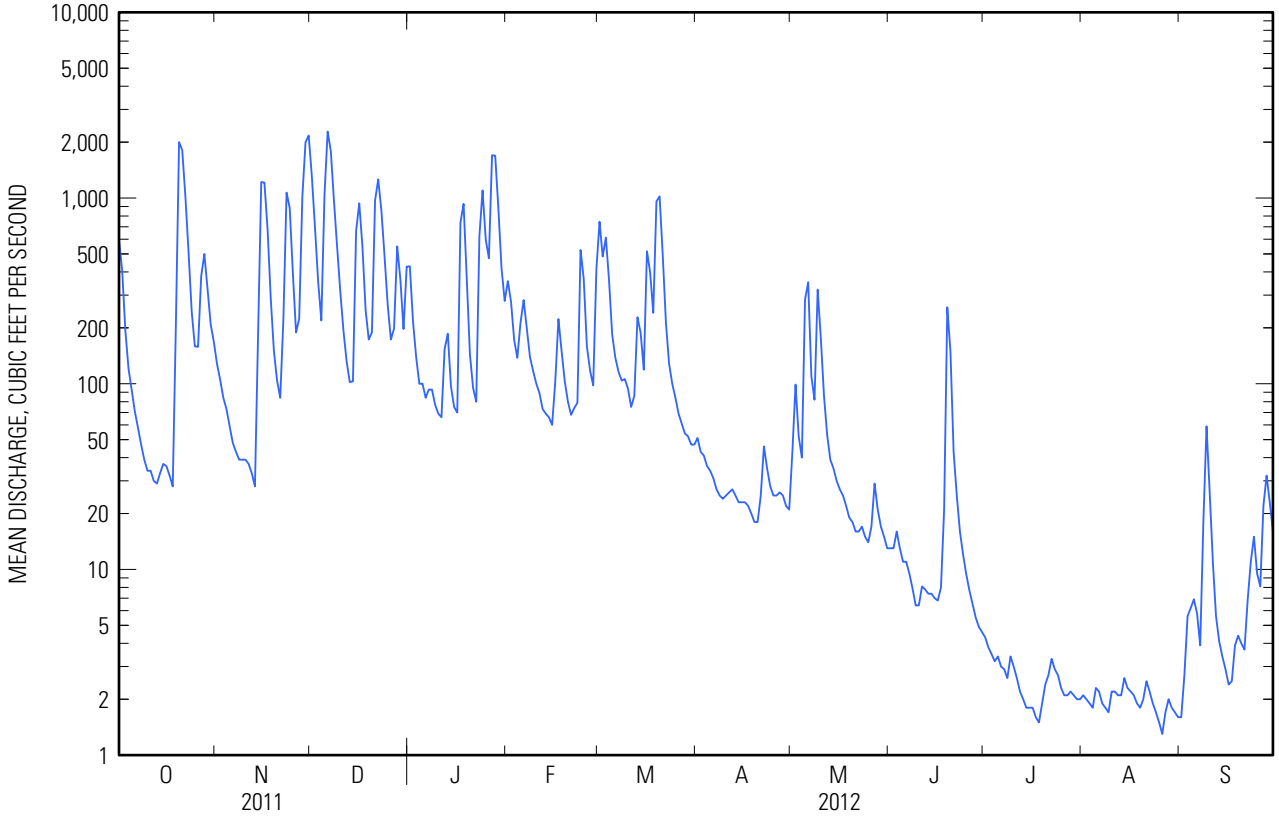
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	594	128	1,310	429	357	745	51	43	13	4.3	2.1	1.6
2	409	105	691	216	277	484	43	99	13	3.8	2.0	2.7
3	194	84	353	139	172	612	41	52	16	3.5	1.9	5.6
4	121	73	219	100	138	362	36	40	13	3.2	1.8	6.2
5	93	59	1,040	100	213	184	34	284	11	3.4	2.3	6.9
6	71	48	2,280	84	282	138	31	352	11	3.0	2.2	5.8
7	58	43	1,790	93	198	116	27	110	9.5	2.9	1.9	3.9
8	47	39	964	93	139	104	25	82	7.9	2.6	1.8	18
9	39	39	544	77	117	106	24	321	6.4	3.4	1.7	59
10	34	39	313	69	100	94	25	176	6.4	3.0	2.2	26
11	34	37	193	66	89	75	26	86	8.1	2.6	2.2	11
12	30	33	132	154	73	86	27	53	7.8	2.2	2.1	5.6
13	29	28	102	186	69	228	25	39	7.4	2.0	2.1	4.1
14	33	187	103	97	66	188	23	35	7.4	1.8	2.6	3.4
15	37	1,220	666	e75	60	119	23	30	7.0	1.8	2.3	2.9
16	36	1,210	936	e70	103	517	23	27	6.8	1.8	2.2	2.4
17	32	677	549	736	223	398	22	25	8.0	1.6	2.1	2.5
18	28	288	250	930	150	241	20	22	21	1.5	1.9	3.9
19	212	150	173	368	103	959	18	19	258	1.9	1.8	4.4
20	2,000	104	189	144	80	1,020	18	18	149	2.4	2.0	4.0
21	1,810	84	973	e95	68	489	25	16	43	2.7	2.5	3.7
22	1,020	223	1,260	e80	74	213	46	16	25	3.3	2.2	6.8
23	512	1,070	856	624	79	128	35	17	16	2.9	1.9	11
24	244	884	484	1,100	525	100	28	15	12	2.7	1.7	15
25	159	393	265	599	367	84	25	14	9.4	2.3	1.5	9.5
26	158	189	173	474	159	69	25	17	7.7	2.1	1.3	8.1
27	379	224	198	1,700	118	61	26	29	6.5	2.1	1.7	22
28	500	1,020	549	1,690	98	54	25	21	5.5	2.2	2.0	32
29	325	2,000	365	881	413	52	22	17	4.9	2.1	1.8	23
30	209	2,170	197	418	---	47	21	15	4.6	2.0	1.7	16
31	168	---	427	279	---	47	---	13	---	2.0	1.6	---
Total	9,615	12,848	18,544	12,166	4,910	8,120	840	2,103	722.3	79.1	61.1	327.0
Mean	310	428	598	392	169	262	28.0	67.8	24.1	2.55	1.97	10.9
Max	2,000	2,170	2,280	1,700	525	1,020	51	352	258	4.3	2.6	59
Min	28	28	102	66	60	47	18	13	4.6	1.5	1.3	1.6
Cfsm	2.08	2.87	4.01	2.63	1.14	1.76	0.19	0.46	0.16	0.02	0.01	0.07
In.	2.40	3.21	4.63	3.04	1.23	2.03	0.21	0.53	0.18	0.02	0.02	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	40.4	102	190	202	243	302	234	137	121	72.0	44.0	33.5
Max	310	550	598	996	629	1,021	571	583	740	373	233	242
(WY)	(2012)	(1993)	(2012)	(2005)	(2008)	(2008)	(2005)	(2011)	(1981)	(1992)	(1998)	(1981)
Min	0.71	2.51	1.99	1.31	31.1	40.4	28.0	8.69	1.05	0.46	0.91	0.84
(WY)	(1989)	(1995)	(1977)	(1977)	(2003)	(1981)	(2012)	(1988)	(1988)	(1988)	(2002)	(1995)

04197100 Honey Creek at Melmore OH—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1976 - 2012	
Annual total	129,013.8		70,335.5			
Annual mean	353		192		144	
Highest annual mean					270	2008
Lowest annual mean					48.1	1988
Highest daily mean	3,960	Feb 28	2,280	Dec 6	4,520	Feb 7, 2008
Lowest daily mean	8.0	Feb 13	1.3	Aug 26	0.07	Sep 28, 1988
Annual seven-day minimum	11	Jul 5	1.7	Aug 25	0.09	Sep 24, 1988
Maximum peak flow			2,500	Nov 29	5,460	Feb 28, 2011
Maximum peak stage			8.66	Nov 29	12.06	Feb 28, 2011
Instantaneous low flow			1.0	Jul 19	0.07	Sep 28, 1988
Annual runoff (cfsm)	2.37		1.29		0.96	
Annual runoff (inches)	32.21		17.56		13.09	
10 percent exceeds	1,050		549		385	
50 percent exceeds	101		43		32	
90 percent exceeds	14		2.2		2.3