

# Surface-Water Records—Upper Twin Creek Basin

## 03237280 Upper Twin Creek at McGaw, Ohio

### Hydrologic Benchmark Station

LOCATION.—Latitude 38°38'37", longitude 83°12'57", Scioto County, Hydrologic Unit 05090201, on left bank, 0.2 mi downstream from Brown Run, 0.4 mi upstream from Tucker Run, 0.8 mi upstream from bridge on U.S. Highway 52 at McGaw, Ohio, 2.7 mi northeast of Buena Vista, Ohio, and 3.3 mi upstream from mouth.

DRAINAGE AREA.—12.2 mi<sup>2</sup>.

PERIOD OF RECORD.—June 1963 to current year.

GAGE.—Water-stage recorder. Datum of gage is 542.41 ft above sea level (revised). Ohio Department of Highways benchmark. Prior to July 21, 1972 at site 0.8 mi downstream at datum 22.41 ft lower; July 21, 1972-Sept. 30, 1984, at site 0.1 mi downstream at datum 1.00 ft higher; Oct. 1, 1984-May 31, 2002, at site 0.1 mi downstream at datum 4.00 ft lower.

REMARKS.—Records good except for periods of estimated record, which are fair. Periods of no flow occur most years.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of July 3, 1960, reached a stage of 11.62 ft; discharge, 7,230 ft<sup>3</sup>/s, on basis of contracted-opening and flow-over-road measurement of peak flow.

### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	0.18	3.9	135	8.9	e13	35	72	46	1.7	8.3	0.10	10	
2	0.18	14	45	7.7	e15	27	292	31	1.6	3.6	0.09	3.4	
3	0.16	26	30	213	e17	21	110	24	1.6	1.5	0.09	1.3	
4	0.15	105	24	113	18	19	40	19	1.6	0.89	0.08	0.76	
5	0.15	37	18	314	16	24	30	16	1.4	0.71	0.07	0.52	
6	0.13	23	19	159	15	27	25	14	1.2	0.57	0.06	0.40	
7	0.12	16	44	57	15	27	22	12	1.00	0.50	0.06	0.31	
8	0.11	11	38	136	17	46	21	10	0.90	0.44	0.05	0.26	
9	0.10	6.8	43	49	17	33	18	8.5	0.81	0.37	0.05	0.22	
10	0.10	5.0	61	33	19	25	17	7.2	0.63	0.31	0.04	0.19	
11	0.10	5.8	48	28	18	21	15	6.1	0.62	0.27	0.04	0.16	
12	0.10	104	38	35	17	19	14	4.9	0.66	0.25	0.03	0.13	
13	0.10	38	29	32	16	17	14	4.2	0.73	0.25	0.03	0.12	
14	0.10	24	22	67	46	16	12	5.3	0.77	0.28	0.02	0.11	
15	0.11	18	18	36	47	16	10	8.2	2.0	0.28	0.01	0.10	
16	0.15	16	16	27	32	15	8.7	4.8	1.1	0.47	0.00	0.09	
17	0.19	13	14	20	23	14	7.9	3.5	0.83	0.75	e0.00	0.09	
18	1.1	12	12	16	18	13	7.5	2.9	0.69	0.58	0.01	0.09	
19	34	36	11	15	15	13	7.1	6.1	0.58	0.51	0.02	0.08	
20	77	71	7.0	14	14	15	6.5	56	0.53	0.47	0.02	0.08	
21	17	34	7.2	e11	14	14	6.2	23	0.48	0.43	0.01	0.08	
22	8.2	25	7.4	e10	12	13	21	15	0.43	0.43	e0.00	0.08	
23	4.4	21	35	e8.0	11	42	55	12	0.37	0.45	0.00	0.08	
24	6.7	26	31	e7.0	11	37	71	10	0.32	0.38	0.00	0.08	
25	5.8	34	24	e8.0	10	28	47	7.7	0.28	0.30	0.00	0.08	
26	3.8	28	19	e9.0	9.9	22	35	6.2	0.27	0.26	9.8	0.08	
27	2.8	23	14	e10	9.5	20	45	5.1	0.24	0.22	8.0	0.08	
28	2.0	28	12	e8.2	20	117	32	4.3	0.24	0.19	1.5	0.08	
29	1.5	25	12	e9.0	---	89	27	3.9	0.26	0.16	2.8	0.08	
30	1.6	35	10	e10	---	40	126	3.2	0.31	0.13	6.0	0.08	
31	1.5	---	9.8	e11	---	32	---	2.5	---	0.11	24	---	
TOTAL	169.63	864.5	853.4	1481.8	505.4	897	1214.9	382.6	24.15	24.36	52.98	19.21	
MEAN	5.47	28.8	27.5	47.8	18.1	28.9	40.5	12.3	0.81	0.79	1.71	0.64	
MAX	77	105	135	314	47	117	292	56	2.0	8.3	24	10	
MIN	0.10	3.9	7.0	7.0	9.5	13	6.2	2.5	0.24	0.11	0.00	0.08	
CFSM	0.45	2.36	2.26	3.92	1.48	2.37	3.32	1.01	0.07	0.06	0.14	0.05	
IN.	0.52	2.64	2.60	4.52	1.54	2.74	3.70	1.17	0.07	0.07	0.16	0.06	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963-2005, BY WATER YEAR (WY)													
MEAN	2.47	7.84	16.6	18.9	24.3	30.2	28.3	21.6	8.28	3.82	3.01	4.00	
MAX	16.8	50.1	81.6	47.8	82.2	90.7	66.7	93.1	47.9	30.8	38.0	33.3	
(WY)	1990	2004	1979	2005	2003	1964	1965	1996	2003	1986	1979	2000	
MIN	0.00	0.00	0.00	0.44	4.42	4.39	4.41	1.63	0.04	0.03	0.00	0.00	
(WY)	1964	1964	1964	1981	1978	1969	1971	1991	1988	2002	1999	1999	
SUMMARY STATISTICS													
ANNUAL TOTAL				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR			WATER YEARS 1963-2005		
ANNUAL MEAN				7058.41				6489.93					
HIGHEST ANNUAL MEAN				19.3				17.8			14.1		
LOWEST ANNUAL MEAN											31.9		
HIGHEST DAILY MEAN				338 Sep 17				314 Jan 5			850 May 15		
LOWEST DAILY MEAN				0.09 Sep 7				0.00 Aug 16			0.00 Jul 12		
ANNUAL SEVEN-DAY MINIMUM				0.10 Oct 8				0.01 Aug 19			0.00 Sep 21		
MAXIMUM PEAK FLOW								913 Jan 3a			4650 May 10		
MAXIMUM PEAK STAGE								6.34 Jan 3			10.52 May 10		
INSTANTANEOUS LOW FLOW											0.00 Jul 12		
ANNUAL RUNOFF (CFSM)				1.58				1.46			1.15		
ANNUAL RUNOFF (INCHES)				21.52				19.79			15.68		
10 PERCENT EXCEEDS				43				39			32		
50 PERCENT EXCEEDS				8.6				8.7			3.3		
90 PERCENT EXCEEDS				0.18				0.09			0.06		

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

## Surface-Water Records—Ohio Brush Creek Basin

### 03237500 Ohio Brush Creek near West Union, Ohio

LOCATION.—Latitude 38°48'13", longitude 83°25'16", Adams County, Hydrologic Unit 05090201, on right bank at downstream side of bridge on State Highway 348, 0.3 mi downstream from Cedar Run, 7 mi east of West Union, Ohio, and 7.1 mi upstream from Beasley Fork.

DRAINAGE AREA.—387 mi<sup>2</sup>.

PERIOD OF RECORD.—August 1926 to November 1935, September 1940 to current year.

REVISED RECORDS.—WSP 1908: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 510.6 ft National Geodetic Vertical Datum of 1912. Prior to Nov. 22, 1940, nonrecording gage at same site and datum.

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

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	13	157	4300	698	e340	627	631	648	60	27	7.7	321			
2	12	156	1220	560	450	458	3100	414	55	29	6.6	129			
3	11	444	645	4740	525	347	3340	313	50	58	5.7	58			
4	12	2330	456	5200	652	305	1090	258	47	61	5.0	32			
5	11	1150	358	9440	694	404	681	221	46	184	4.4	20			
6	11	466	384	10800	885	757	519	195	43	39	3.8	13			
7	11	300	1500	2480	921	497	444	175	37	25	3.8	9.7			
8	11	221	1170	2720	1270	1190	434	162	31	17	3.4	7.0			
9	11	168	661	1400	1030	649	354	148	28	14	3.3	5.4			
10	11	138	1630	931	1070	464	294	134	25	11	3.1	4.6			
11	10	141	1520	1110	637	398	258	121	24	9.4	2.8	3.9			
12	11	3280	876	2540	472	393	233	109	25	8.1	2.8	3.6			
13	13	935	573	1360	430	511	228	106	25	9.5	5.7	3.3			
14	14	440	421	4240	1140	420	237	107	27	10	36	2.9			
15	18	301	333	1240	1290	335	192	124	35	9.7	19	2.5			
16	22	247	284	765	692	288	165	121	140	24	12	2.3			
17	23	230	265	555	540	262	150	96	70	166	8.7	3.1			
18	98	212	241	359	419	241	142	82	45	150	8.6	2.6			
19	2230	1620	222	401	337	234	135	197	33	133	9.2	2.4			
20	1170	1730	173	371	302	557	126	1590	26	726	9.0	4.3			
21	380	695	158	337	342	440	118	399	22	329	8.5	3.3			
22	240	447	188	e290	343	318	139	216	19	198	5.7	2.5			
23	172	355	3640	e250	285	823	2970	161	16	101	4.2	3.8			
24	596	712	1230	e230	262	1280	2350	138	14	57	3.2	5.0			
25	430	1850	521	e220	263	614	1140	112	12	37	3.0	4.9			
26	232	673	468	e240	266	514	637	91	11	26	27	11			
27	170	438	274	e220	262	451	1340	78	9.4	21	59	9.5			
28	144	1070	274	e200	289	5860	607	71	8.2	17	18	8.0			
29	127	642	284	e180	---	3290	433	67	7.5	13	13	6.7			
30	113	747	679	e220	---	1190	1040	65	13	11	34	3.8			
31	115	---	821	e280	---	756	---	64	---	9.1	473	---			
TOTAL	6442	22295	25769	54577	16408	24873	23527	6783	1004.1	2529.8	809.2	689.1			
MEAN	208	743	831	1761	586	802	784	219	33.5	81.6	26.1	23.0			
MAX	2230	3280	4300	10800	1290	5860	3340	1590	140	726	473	321			
MIN	10	138	158	180	262	234	118	64	7.5	8.1	2.8	2.3			
CFSM	0.54	1.92	2.15	4.55	1.51	2.07	2.03	0.57	0.09	0.21	0.07	0.06			
IN.	0.62	2.14	2.48	5.25	1.58	2.39	2.26	0.65	0.10	0.24	0.08	0.07			
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927-2005, BY WATER YEAR (WY)															
MEAN	90.7	265	539	755	837	1006	744	558	269	182	152	132			
MAX	651	1447	2252	2637	2242	3909	2030	2230	1424	1222	1000	2053			
(WY)	1976	1986	1991	1950	2000	1964	1948	1996	1998	1932	1935	1979			
MIN	0.13	0.28	2.28	12.1	24.9	96.5	106	27.5	3.18	1.46	1.04	0.43			
(WY)	1954	1954	1954	1977	1954	1941	1971	1930	1988	1988	1988	1953			
SUMMARY STATISTICS															
				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 1927-2005			
ANNUAL TOTAL				198439				185706.2							
ANNUAL MEAN				542				509				459			
HIGHEST ANNUAL MEAN												951	1979		
LOWEST ANNUAL MEAN												158	1954		
HIGHEST DAILY MEAN				13300	Jan 4					49400	Mar 2	1997			
LOWEST DAILY MEAN				10	Oct 11					2.3	Sep 16	1955			
ANNUAL SEVEN-DAY MINIMUM				11	Oct 5					2.7	Sep 13	1955			
MAXIMUM PEAK FLOW								18800	Jan 6a	77700				Mar 2	1997
MAXIMUM PEAK STAGE								17.94	Jan 6	31.15				Mar 2	1997
INSTANTANEOUS LOW FLOW								2.1	Sep 16	0.00				Sep 13	1955
ANNUAL RUNOFF (CFSM)				1.40				1.31				1.19			
ANNUAL RUNOFF (INCHES)				19.07				17.85				16.12			
10 PERCENT EXCEEDS				1240				1190				1010			
50 PERCENT EXCEEDS				234				200				111			
90 PERCENT EXCEEDS				22				7.3				5.3			

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

# Surface-Water Records—White Oak Creek Basin

## 03238500 White Oak Creek near Georgetown, Ohio

LOCATION.—Latitude 38°51'29", longitude 83°55'43", Brown County, Hydrologic Unit 05090201, on left bank 150 ft upstream from diversion dam for Georgetown water treatment plant, 0.7 mi upstream from Town Run, 1.4 mi southwest of Georgetown, Ohio, and 7.2 mi upstream from mouth.

DRAINAGE AREA.—218 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1923 to November 1935, October 1939 to current year.

REVISED RECORDS.—WSP 728: 1924-31. WSP 758: 1933. WSP 1908: Drainage area. WRD OH-74-1: 1973(P)

GAGE.—Water-stage recorder and crest gage. Datum of gage is 604.20 ft above sea level. Prior to Oct. 12, 1972, nonrecording gage at a site 1 mi downstream at datum 35.24 ft lower. See WSP 2108 for history of changes prior to Dec. 8, 1940.

REMARKS.—Records fair except for periods of estimated record and below 10 ft<sup>3</sup>/s, which are poor. Water-quality and sediment data formerly collected at this site. Satellite telemeter at this station.

### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	79	3840	934	e110	263	183	134	22	31	e3.1	286
2	10	181	563	514	e130	194	1500	112	24	128	e2.4	57
3	8.4	458	260	3350	189	142	2480	90	24	77	e2.0	18
4	e5.5	1150	188	5630	267	121	345	76	22	75	e1.8	10
5	e5.2	626	148	7170	375	185	214	64	20	36	e1.6	6.7
6	e5.0	209	145	8520	656	447	162	55	19	26	e1.5	4.1
7	e5.0	130	1460	2160	875	231	141	50	18	17	e1.4	2.4
8	e4.8	100	922	1210	2000	673	137	45	17	9.1	e1.3	e1.5
9	e4.6	75	317	585	748	248	121	38	15	8.0	e1.2	e1.3
10	e4.0	59	1230	325	539	151	106	37	14	6.8	e1.1	e1.2
11	e4.0	81	584	752	270	125	93	34	13	5.2	e1.1	e1.1
12	e5.0	2770	391	1820	171	130	84	33	13	4.0	e1.6	e1.0
13	e7.0	479	243	851	208	250	72	34	13	12	e4.0	e1.0
14	11	199	173	3370	1080	177	71	43	51	19	e20	e0.98
15	21	133	137	457	883	126	61	84	234	25	e1.3	e0.90
16	34	111	e110	260	295	102	50	75	83	122	e1.2	e0.90
17	41	105	e96	194	236	85	45	45	39	164	e1.1	e1.8
18	569	103	e80	135	156	74	44	36	25	89	e1.0	e1.0
19	4650	3330	e68	149	120	74	41	41	18	244	e1.6	e1.4
20	1540	2020	e60	134	107	235	41	108	14	236	e1.6	e4.0
21	517	349	e50	e120	121	202	40	128	11	319	e1.3	e2.0
22	198	211	e100	e110	139	123	41	68	9.2	123	e1.2	e1.3
23	130	161	2090	e100	115	175	3670	45	8.0	48	e0.96	e1.0
24	569	695	751	e98	96	654	2090	36	7.0	30	e0.90	e5.0
25	269	1560	e200	e94	91	224	583	30	7.6	23	e1.0	e1.2
26	131	352	e140	e90	95	170	259	26	6.6	18	e100	e4.0
27	103	203	e100	e86	98	163	582	25	5.9	12	4.7	e3.0
28	84	605	e110	e82	94	6010	256	25	4.3	9.1	1.5	e2.0
29	72	332	e140	e80	---	3390	158	23	3.7	7.3	e1.2	e1.5
30	77	350	754	e82	---	386	143	23	4.1	6.5	e200	e1.4
31	93	---	2280	e92	---	240	---	23	---	e4.1	810	---
TOTAL	9188.5	17216	17730	39554	10264	15770	13813	1686	765.4	1934.1	1174.66	424.68
MEAN	296	574	572	1276	367	509	460	54.4	25.5	62.4	37.9	14.2
MAX	4650	3330	3840	8520	2000	6010	3670	134	234	319	810	286
MIN	4.0	59	50	80	91	74	40	23	3.7	4.0	0.90	0.90
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925-2005, BY WATER YEAR (WY)												
MEAN	67.6	168	301	446	492	549	432	301	165	106	89.0	85.9
MAX	580	1103	1427	1487	1281	1822	1134	1646	996	740	531	1220
(WY)	1984	1986	1991	1950	1955	1963	1973	1996	1998	2001	1926	1979
MIN	0.07	0.00	1.64	1.67	12.2	41.5	31.6	10.9	0.47	0.00	1.28	0.17
(WY)	1941	2000	1964	1977	1934	1941	1971	1934	1999	1999	1993	1985

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1925-2005	
ANNUAL TOTAL	139486.0	129520.34		
ANNUAL MEAN	381	355	266	
HIGHEST ANNUAL MEAN			583	1979
LOWEST ANNUAL MEAN			82.4	1954
HIGHEST DAILY MEAN	9040 Jan 4	8520 Jan 6	19400 Mar 10	1964
LOWEST DAILY MEAN	4.0 Oct 10	0.90 Aug 24	0.00 Jul 19	1930
ANNUAL SEVEN-DAY MINIMUM	4.6 Oct 6	1.0 Sep 10	0.00 Jul 19	1930
MAXIMUM PEAK FLOW		10900 Mar 28a	22400 Mar 10	1964
MAXIMUM PEAK STAGE		7.92 Mar 28	20.87 May 14	1933
INSTANTANEOUS LOW FLOW			0.00 Sep 15	1930
10 PERCENT EXCEEDS	776	751	542	
50 PERCENT EXCEEDS	88	90	44	
90 PERCENT EXCEEDS	12	1.6	2.4	

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.



### 03241500 Massies Creek at Wilberforce, Ohio

LOCATION.—Latitude 39°43'22", longitude 83°52'58", Greene County, Hydrologic Unit 05090202, on left bank at bridge on Wilberforce-Clifton Road, 0.5 mi northwest of Wilberforce, Ohio, 0.6 mi downstream from unnamed right bank tributary, and 1.7 mi upstream from Clark Run.

DRAINAGE AREA.—63.2 mi<sup>2</sup>.

PERIOD OF RECORD.—September 1952 to current year. Prior to October 1962, published as Massie Creek at Wilberforce.

REVISED RECORDS.—WSP 1908: Drainage area.

GAGE.—Water-stage recorder and crest gage. Datum of gage is 865.15 ft above sea level. Aug. 4, 1972-Sept. 30, 1979, at site 150 ft downstream at same datum.

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

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	14	139	710	e31	59	125	97	26	140	6.3	28
2	8.6	14	120	369	e30	51	279	81	26	53	6.1	18
3	8.0	17	80	794	e29	49	407	69	26	31	5.8	13
4	8.1	27	59	1080	e29	49	194	59	26	23	5.8	9.9
5	8.0	34	47	1370	e29	53	136	53	24	20	5.5	8.2
6	11	27	42	1880	e34	87	107	51	22	17	7.6	7.3
7	11	23	49	794	73	104	94	50	21	15	5.9	6.4
8	9.7	19	80	441	400	108	80	47	21	14	5.4	6.3
9	9.3	16	82	325	343	71	68	44	23	12	5.0	6.3
10	8.8	16	197	221	210	59	62	43	26	11	5.1	6.0
11	8.5	17	126	386	138	56	56	43	31	8.9	6.0	6.6
12	8.5	23	89	954	104	52	55	47	31	8.5	5.8	5.7
13	11	28	71	573	95	44	53	42	33	9.1	5.3	5.0
14	10	22	55	616	107	40	46	79	31	9.5	5.1	5.3
15	15	20	47	285	131	38	43	108	25	8.9	5.2	5.6
16	13	20	44	187	111	37	41	74	23	10	5.3	13
17	12	20	42	139	95	37	40	58	20	15	5.2	7.8
18	36	21	40	109	74	36	40	51	19	11	5.0	6.8
19	87	41	38	98	61	38	39	54	18	15	6.8	6.1
20	49	78	41	83	60	51	38	76	17	11	8.0	9.1
21	32	53	39	70	85	48	38	64	16	18	7.6	7.6
22	24	41	35	67	77	43	45	53	14	18	6.3	6.9
23	23	36	41	56	64	180	356	50	13	13	5.3	6.7
24	26	37	e44	68	61	167	524	45	12	10	5.1	6.7
25	26	54	e38	55	54	118	341	39	12	8.9	4.9	7.2
26	22	41	e34	51	52	173	222	36	12	7.8	5.9	12
27	19	36	e30	40	50	129	297	34	10	9.3	8.5	11
28	18	42	e26	e38	55	796	175	34	23	9.4	5.8	9.7
29	16	41	e33	e36	---	759	132	32	16	7.9	5.5	13
30	16	41	e60	e34	---	264	117	30	99	7.7	29	12
31	13	---	e300	e32	---	174	---	28	---	6.7	52	---
TOTAL	576.0	919	2168	11961	2682	3970	4250	1671	716	559.6	252.1	273.2
MEAN	18.6	30.6	69.9	386	95.8	128	142	53.9	23.9	18.1	8.13	9.11
MAX	87	78	300	1880	400	796	524	108	99	140	52	28
MIN	8.0	14	26	32	29	36	38	28	10	6.7	4.9	5.0
CFSM	0.29	0.48	1.11	6.11	1.52	2.03	2.24	0.85	0.38	0.29	0.13	0.14
IN.	0.34	0.54	1.28	7.04	1.58	2.34	2.50	0.98	0.42	0.33	0.15	0.16
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952-2005, BY WATER YEAR (WY)												
MEAN	16.5	41.7	66.6	85.9	101	118	112	97.0	67.3	41.3	27.6	16.1
MAX	99.7	248	290	386	236	372	254	335	253	199	196	186
(WY)	1991	1986	1991	2005	1975	1963	1996	1968	1981	1990	1958	1979
MIN	1.55	1.95	2.35	4.59	6.41	13.1	19.8	12.8	6.90	1.75	1.49	1.05
(WY)	1954	1954	1954	1977	1954	1954	1971	1954	1988	1954	1953	1953
SUMMARY STATISTICS												
ANNUAL TOTAL				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1952-2005		
ANNUAL MEAN				32235.3			29997.9			82.2		
HIGHEST ANNUAL MEAN				88.1						65.7		
LOWEST ANNUAL MEAN										113		
HIGHEST DAILY MEAN				2050 Jan 5			1880 Jan 6			8.68		
LOWEST DAILY MEAN				8.0 Oct 3			4.9 Aug 25			1954		
ANNUAL SEVEN-DAY MINIMUM				8.3 Sep 21			5.3 Aug 12			0.33 Sep 1		
MAXIMUM PEAK FLOW							2210 Jan 6a			7300 Jan 21		
MAXIMUM PEAK STAGE							9.00 Jan 6			11.25 Jan 21		
INSTANTANEOUS LOW FLOW							4.4 Aug 18			0.30 Sep 3		
ANNUAL RUNOFF (CFSM)				1.39			1.30			1.04		
ANNUAL RUNOFF (INCHES)				18.97			17.66			14.13		
10 PERCENT EXCEEDS				176			169			149		
50 PERCENT EXCEEDS				46			36			30		
90 PERCENT EXCEEDS				9.8			6.7			4.9		

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.  
e Estimated.

## 03244936 O'Bannon Creek near Loveland, Ohio

LOCATION.—Latitude 39°15'53", longitude 84°13'58", Clermont County, Hydrologic Unit 05090202, on left bank at downstream side of bridge on O'Bannonville Road, 1.1 mi east of Loveland, Ohio, 1.9 mi upstream from mouth.

DRAINAGE AREA.—54.5 mi<sup>2</sup>.

PERIOD OF RECORD.—October 2003 to current year.

GAGE.—Water-stage recorder and crest-stage gage. Datum of gage is 599.61 ft, above sea level.

REMARKS.—Records fair except for periods of estimated record, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	13	383	367	e28	44	39	29	5.0	259	1.3	46
2	3.4	43	85	155	43	27	529	22	6.0	23	1.3	16
3	3.4	99	45	1200	42	21	188	18	5.4	11	1.2	8.5
4	3.2	99	30	671	60	20	66	16	15	6.4	1.2	5.5
5	3.0	53	23	2710	106	113	45	14	7.5	5.4	1.3	4.5
6	3.1	26	34	2040	164	88	33	13	4.7	6.0	3.7	3.7
7	3.1	18	190	186	220	48	33	13	4.0	3.9	4.0	3.2
8	3.4	14	102	338	555	69	30	11	3.9	2.5	2.2	3.4
9	3.5	11	274	124	183	35	23	10	3.8	2.4	1.8	3.3
10	3.5	8.6	249	74	124	26	19	9.6	14	2.2	1.6	2.7
11	4.4	21	163	956	63	25	17	8.3	23	2.1	28	2.5
12	4.3	469	102	357	44	36	16	12	13	2.1	34	2.3
13	5.6	72	54	722	82	56	16	9.1	270	5.8	5.4	2.3
14	6.1	30	34	476	330	37	14	39	52	6.6	4.3	2.0
15	9.2	21	25	98	144	26	13	20	48	5.5	3.6	2.2
16	7.0	18	23	61	81	21	13	12	16	7.3	2.4	2.7
17	5.7	16	20	37	54	19	13	8.9	11	11	2.1	2.5
18	546	16	19	25	34	17	12	8.0	8.0	27	2.0	2.5
19	347	772	17	e22	26	26	11	28	6.4	27	4.2	2.5
20	156	174	14	e20	24	92	10	38	5.7	49	3.7	8.2
21	67	64	14	e19	30	42	11	17	5.7	53	2.8	4.6
22	23	38	17	e17	27	28	36	11	5.4	11	2.1	3.8
23	33	31	23	e16	22	824	772	8.7	4.3	5.7	1.7	3.2
24	99	147	28	e14	21	186	307	6.2	4.0	3.5	1.6	3.2
25	32	105	22	e13	21	80	109	5.4	3.7	2.2	1.6	2.8
26	16	41	20	e13	21	65	124	5.1	3.6	2.0	2.0	6.4
27	22	28	17	e12	19	49	180	4.7	3.6	1.8	3.6	4.9
28	17	70	16	e12	21	3070	59	8.1	3.5	1.5	2.3	3.7
29	13	40	30	e11	---	259	39	5.7	3.7	1.5	2.2	5.0
30	19	37	496	e11	---	89	38	6.6	9.4	1.4	497	3.9
31	17	---	1840	e20	---	54	---	7.1	---	1.4	374	---
TOTAL	1482.1	2594.6	4409	10797	2589	5592	2815	424.5	569.3	550.2	1000.2	168.0
MEAN	47.8	86.5	142	348	92.5	180	93.8	13.7	19.0	17.7	32.3	5.60
MAX	546	772	1840	2710	555	3070	772	39	270	259	497	46
MIN	3.0	8.6	14	11	19	17	10	4.7	3.5	1.4	1.2	2.0
CFSM	0.88	1.59	2.61	6.39	1.70	3.31	1.72	0.25	0.35	0.33	0.59	0.10
IN.	1.01	1.77	3.01	7.37	1.77	3.82	1.92	0.29	0.39	0.38	0.68	0.11

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003-20045 BY WATER YEAR (WY)

MEAN	34.1	98.0	116	272	107	143	101	59.4	15.2	29.3	20.7	47.5
MAX	47.8	109	142	348	121	180	108	105	19.0	40.9	32.3	133
(WY)	2005	2004	2005	2005	2004	2005	2004	2004	2005	2004	2005	2003
MIN	20.3	86.5	89.4	196	92.5	105	93.8	13.7	11.3	17.7	9.20	4.24
(WY)	2004	2005	2004	2004	2005	2004	2005	2005	2004	2005	2004	2004

	SUMMARY STATISTICS		FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003-2005	
ANNUAL TOTAL			29871.8		32990.9			
ANNUAL MEAN			81.6		90.4		83.5	
HIGHEST ANNUAL MEAN							90.4	2005
LOWEST ANNUAL MEAN							76.7	2004
HIGHEST DAILY MEAN			3200	Jan 4	3070	Mar 28	3200	Jan 4 2004
LOWEST DAILY MEAN			1.9	Jul 20	1.2	Aug 3	1.2	Aug 3 2005
ANNUAL SEVEN-DAY MINIMUM			2.1	Jul 15	1.3	Jul 30	1.3	Jul 30 2005
MAXIMUM PEAK FLOW					9080	Mar 28	9080	Mar 28 2005
2005					9.37	Mar 28	9.37	Mar 28 2005
INSTANTANEOUS LOW FLOW					0.72	Jul 31	0.72	Jul 31 2005
ANNUAL RUNOFF (CFSM)			1.50		1.66		1.53	
ANNUAL RUNOFF (INCHES)			20.39		22.52		20.82	
10 PERCENT EXCEEDS			157		184		161	
50 PERCENT EXCEEDS			19		17		18	
90 PERCENT EXCEEDS			3.2		2.5		3.0	

e Estimated.

**03245500 Little Miami River at Milford, Ohio**

LOCATION.—Latitude 39°10'17", longitude 84°17'53", Clermont County, Hydrologic Unit 05090202, on right bank 500 ft downstream from Wooster Pike bridge on U.S. Highway 50 in Milford, Ohio, 1.2 mi upstream from East Fork, 6.4 mi downstream from North Branch Creek, and at mile 12.9.

DRAINAGE AREA.—1,203 mi<sup>2</sup>.

PERIOD OF RECORD.—July 1915 to September 1917, October 1917 to May 1920 (gage heights only), March 1925 to September 1936, October 1938 to current year. Monthly discharge only for some periods, published in WSP 1305, published as "at Miamiville" 1915-20.

REVISED RECORDS.—WSP 728: 1931. WSP 743: 1932. WSP 873: 1925-36. WSP 1908: Drainage area.

GAGE.—Water-stage recorder and crest-stage gage. Datum of gage is 494.35 ft, National Geodetic Vertical Datum of 1912. June 22, 1915-May 14, 1920, nonrecording gage at site 4 mi upstream at different datum; Mar. 11, 1925-Aug.16,1928, nonrecording gage at bridge 500 ft upstream at datum 5.72 ft higher; Aug. 17, 1928-Sept. 30, 1977, water-stage recorder at same site at datum 5.00 ft higher.

REMARKS.—Records fair except for periods of estimated record, which are poor. Some regulation since 1948 by Cowan Lake, capacity 12,000 acre-ft, 45 mi upstream on Cowan Creek, tributary to Todd Fork, and Caesar Creek Lake capacity 242,200 acre-ft 41.3 mi upstream on Caesar Creek. U.S. Army Corps of Engineers satellite telemeter at station. Sediment data formerly collected at this site.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in Mar. 1913 reached a stage of 30.5 ft, present datum; information from U.S. Army Corps of Engineers.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	453	2910	6920	3040	1060	4440	2280	541	4400	176	1150
2	183	524	2110	5570	3050	1010	5310	1490	535	1750	171	486
3	180	803	1560	8980	2840	915	7040	1370	497	798	164	325
4	182	1120	1300	9740	2890	894	5510	1240	480	526	163	254
5	197	975	1180	23000	2990	1030	3490	1020	460	442	158	218
6	195	762	1050	26400	3310	1280	2490	956	430	406	219	199
7	192	634	1440	12700	3850	1220	2260	905	417	341	241	182
8	181	569	1820	9080	7080	1750	1810	852	386	289	272	162
9	178	469	1800	5150	5890	1500	1500	772	373	258	191	242
10	178	414	3730	3540	5100	1270	1300	726	397	240	169	227
11	176	441	2970	6420	4270	1190	1200	696	431	232	215	179
12	178	1540	3010	11400	3550	1130	1140	836	394	225	305	167
13	200	1010	2240	7780	3460	1080	1140	852	1550	297	174	156
14	221	686	1260	10100	3830	979	1080	1140	903	280	199	155
15	248	576	1090	5690	3580	877	992	1350	602	349	210	154
16	239	534	863	3410	2930	817	897	1190	480	600	172	151
17	241	537	888	2460	2690	787	853	1020	400	381	166	293
18	1920	593	866	1950	2050	768	825	831	348	404	159	364
19	3690	2610	842	1960	1780	807	805	959	308	340	186	305
20	1880	2570	751	3300	1470	1070	797	1220	296	366	194	355
21	1110	1380	669	3990	1510	990	794	1100	283	512	215	283
22	793	1140	684	3800	1500	878	948	1020	269	415	166	238
23	751	1010	662	3430	1290	3890	5470	880	254	376	153	200
24	1180	1080	e640	3290	1090	3780	6630	799	243	311	145	182
25	1000	1610	e620	3350	1050	2350	5800	672	239	249	143	168
26	776	1230	e580	3380	1010	2090	5090	596	224	222	147	268
27	756	928	e560	3290	967	2040	5470	570	259	204	339	288
28	627	1050	e540	3130	927	19600	3930	629	295	199	199	258
29	523	1050	e660	3020	---	10700	2660	612	514	223	174	229
30	521	984	2290	2800	---	5900	2560	606	373	195	1950	211
31	499	---	11900	3100	---	5220	---	588	---	187	3470	---
TOTAL	19374	29282	53485	202130	78994	78872	84231	29777	13181	16017	11005	8049
MEAN	625	976	1725	6520	2821	2544	2808	961	439	517	355	268
MAX	3690	2610	11900	26400	7080	19600	7040	2280	1550	4400	3470	1150
MIN	176	414	540	1950	927	768	794	570	224	187	143	151
CFSM	0.52	0.81	1.43	5.42	2.35	2.11	2.33	0.80	0.37	0.43	0.30	0.22
IN.	0.60	0.91	1.65	6.25	2.44	2.44	2.60	0.92	0.41	0.50	0.34	0.25
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916-2005, BY WATER YEAR (WY)												
MEAN	373	813	1333	1939	2108	2405	2157	1724	1091	718	475	388
MAX	2775	4189	5494	7131	4951	8212	5396	7594	4686	3542	3014	3711
(WY)	1927	1986	1991	1949	1950	1945	1940	1996	1973	1958	1926	1979
MIN	47.0	60.2	73.4	88.6	145	218	369	138	117	78.0	77.6	43.0
(WY)	1954	1954	1935	1977	1954	1941	1941	1934	1925	1930	1930	1953
SUMMARY STATISTICS				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1916-2005		
ANNUAL TOTAL				606792			624397					
ANNUAL MEAN				1658			1711			1294		
HIGHEST ANNUAL MEAN										2364		
LOWEST ANNUAL MEAN										301		
HIGHEST DAILY MEAN				29000			26400			72400		
LOWEST DAILY MEAN				175			143			27		
ANNUAL SEVEN-DAY MINIMUM				180			166			37		
MAXIMUM PEAK FLOW							31400			84100		
MAXIMUM PEAK STAGE							19.10			27.30		
INSTANTANEOUS LOW FLOW										27		
ANNUAL RUNOFF (CFSM)				1.38			1.42			1.08		
ANNUAL RUNOFF (INCHES)				18.76			19.31			14.62		
10 PERCENT EXCEEDS				4070			3870			3100		
50 PERCENT EXCEEDS				929			825			516		
90 PERCENT EXCEEDS				233			187			117		

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

### 03247500 East Fork Little Miami River at Perintown, Ohio

LOCATION.—Latitude 39°08'13", longitude 84°14'17", Clermont County, Hydrologic Unit 05090202, on right bank at upstream wingwall of highway bridge at Perintown, Ohio, 0.2 mi downstream from Sugarcamp Run, 5 mi upstream from mouth, and at mile 6.4.

DRAINAGE AREA.—476 mi<sup>2</sup>.

PERIOD OF RECORD.—May 1915 to September 1917, October 1917 to May 1920 (gage heights only), January 1925 to current year.

GAGE.—Water-stage recorder and crest gage. Datum of gage is 507.03 ft above sea level. Prior to Feb. 6, 1940, nonrecording gage at same site and datum.

REMARKS.—Records good except for periods of estimated record, which are poor. Occasional regulation by Stonelick Lake 14 mi upstream. Surface area at spillway level, 171 acres. Flow regulated by William H. Harsha Reservoir, formerly East Fork Lake, since 1977. Water-quality data formerly collected at this site. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 42,400 ft<sup>3</sup>/s Mar. 10, 1964, gage height, 23.84 ft; minimum daily, 0.4 ft<sup>3</sup>/s July 24, 1930, Sept. 11, 12, 23, 1939; minimum gage height, -0.18 ft Oct. 3-7, 1917.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	219	1920	2920	2320	274	2820	209	58	577	e38	295
2	42	316	2440	3410	2320	311	2860	192	62	123	e38	637
3	43	577	2070	4840	2310	356	3110	162	61	60	38	542
4	44	1080	1230	2170	2330	307	3590	124	56	48	38	230
5	45	923	482	4970	2370	348	2880	122	53	45	40	68
6	43	835	323	4170	2460	504	1540	115	53	47	49	53
7	44	621	634	682	2770	596	1020	92	51	43	45	51
8	44	234	1230	1110	4100	567	954	84	52	43	41	46
9	43	160	1610	498	3740	633	611	81	51	42	39	46
10	43	152	1680	335	3330	723	276	78	100	40	38	45
11	45	183	2040	627	2540	479	182	71	130	40	43	44
12	46	1690	1670	972	2050	385	125	87	70	40	79	44
13	52	1680	1050	1150	1830	313	153	71	554	52	43	43
14	51	2420	603	1410	2390	299	109	145	167	59	43	43
15	83	924	523	e900	2430	280	94	120	151	52	42	44
16	68	472	268	e580	2160	269	151	80	74	45	42	47
17	51	182	232	e350	851	260	93	70	63	177	41	51
18	1210	178	223	e200	515	154	77	98	55	137	81	44
19	2290	2440	184	1090	296	159	74	157	51	497	55	46
20	3200	2450	173	3220	290	345	72	181	51	102	47	73
21	3140	3240	176	3830	292	404	77	168	50	481	45	77
22	2590	2800	227	3230	252	559	106	153	48	111	43	86
23	1210	1610	397	2940	240	1670	2710	149	47	146	42	95
24	548	766	728	2920	242	1430	2510	76	47	96	43	102
25	491	1230	907	2900	242	1690	3580	61	46	87	42	102
26	572	2080	802	2910	237	1120	2360	58	44	79	70	126
27	471	1320	340	2890	216	687	1810	55	44	55	59	92
28	211	959	260	2640	223	6420	1360	72	44	35	45	80
29	137	936	295	2330	---	2220	256	60	44	e35	43	98
30	163	815	1670	2340	---	3780	233	58	50	e40	1100	90
31	228	---	4360	2330	---	3570	---	62	---	e39	1170	---
TOTAL	17291	33492	30747	66864	45346	31112	35793	3311	2427	3473	3622	3440
MEAN	558	1116	992	2157	1620	1004	1193	107	80.9	112	117	115
MAX	3200	3240	4360	4970	4100	6420	3590	209	554	577	1170	637
MIN	42	152	173	200	216	154	72	55	44	35	38	43

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977-2005, BY WATER YEAR (WY)

MEAN	272	416	739	843	1032	1067	906	945	516	271	212	230
MAX	980	1446	2108	2157	2162	2432	1789	3657	2165	1110	1220	1869
(WY)	1984	1986	1991	2005	1990	1997	1998	1996	1997	2001	1979	1979
MIN	18.5	48.0	54.1	15.3	168	138	73.5	48.4	35.6	32.4	38.6	30.1
(WY)	1983	2000	1977	1977	1987	1983	1986	1988	1988	1984	1987	1983

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977-2005	
ANNUAL TOTAL	281172		276918			
ANNUAL MEAN	768		759		619	
HIGHEST ANNUAL MEAN					1058	
LOWEST ANNUAL MEAN					266	
HIGHEST DAILY MEAN	5810	Jan 4	6420	Mar 28	10800	Sep 14
LOWEST DAILY MEAN	42	Oct 2	35	Jul 28	14	Jan 21
ANNUAL SEVEN-DAY MINIMUM	43	Sep 30	38	Jul 28	14	Jan 28
MAXIMUM PEAK FLOW			13900 Mar 28		29000 Sep 14	
MAXIMUM PEAK STAGE			15.18 Mar 28		21.00 Sep 14	
INSTANTANEOUS LOW FLOW					14 Jan 21	
10 PERCENT EXCEEDS	2440		2480		2140	
50 PERCENT EXCEEDS	247		192		157	
90 PERCENT EXCEEDS	52		43		39	

e Estimated.



## Surface-Water Records—Shepherd Creek Basin

### 391059084345500 West Branch Shepherd Creek at River Mile 0.40 near Mount Airy, Ohio

LOCATION.—Latitude 39°10'59", longitude 84°34'55", Hamilton County, Hydrologic Unit 05090203, 250 ft south of the intersection of Orchard Valley Drive and Edger Road, 0.8 mi southwest of Mount Airy, Ohio, 0.40 mi upstream from confluence with Middle Branch.

DRAINAGE AREA.—0.11 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1, 2004, to September 30, 2005.

GAGE.—Water-stage recorder. Datum of gage is 791.96 ft above sea level.

REMARKS.—Records poor due to many discharges less than 0.05 ft<sup>3</sup>/s.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	e0.00	e0.02	e0.17	e0.02	e0.07	e0.00	e0.03	e0.00	e0.17	e0.01	e0.04
2	e0.00	e0.16	e0.00	e0.01	e0.03	e0.05	e0.78	e0.03	e0.01	e0.03	e0.01	e0.01
3	e0.00	e0.00	e0.00	e1.1	e0.07	e0.05	e0.01	e0.02	e0.16	e0.03	e0.01	e0.01
4	e0.00	e0.41	e0.00	e0.83	e0.07	e0.05	e0.00	e0.02	e0.05	e0.03	e0.01	e0.01
5	e0.00	e0.00	e0.00	e0.47	e0.09	e0.07	e0.00	e0.01	e0.01	e0.09	e0.07	e0.01
6	e0.00	e0.00	e0.03	e0.22	e0.14	e0.04	e0.00	e0.01	e0.01	e0.06	e0.13	e0.01
7	e0.00	e0.00	e0.12	e0.03	e0.19	e0.06	e0.01	e0.02	e0.04	e0.05	e0.02	e0.01
8	e0.00	e0.00	e0.00	e0.38	e0.47	e0.04	e0.02	e0.01	e0.02	e0.06	e0.01	e0.01
9	e0.00	e0.00	e0.34	e0.03	e0.15	e0.03	e0.00	e0.01	e0.01	e0.05	e0.01	e0.02
10	e0.00	e0.00	e0.03	e0.03	e0.07	e0.03	e0.03	e0.01	e0.91	e0.05	e0.01	e0.01
11	e0.00	e0.26	e0.06	e0.03	e0.05	e0.03	e0.02	e0.01	e0.08	e0.05	e0.01	e0.01
12	e0.00	e0.35	e0.00	e0.03	e0.04	e0.05	e0.03	e0.03	e0.51	e0.05	e0.00	e0.01
13	e0.03	e0.00	e0.00	e0.06	e0.14	e0.03	e0.04	e0.03	e0.26	e0.66	e0.00	e0.01
14	e0.00	e0.00	e0.00	e0.12	e0.23	e0.03	e0.02	e0.10	e0.14	e0.22	e0.03	e0.01
15	e0.02	e0.00	e0.00	e0.02	e0.11	e0.02	e0.02	e0.02	e0.46	e0.44	e0.03	e0.01
16	e0.00	e0.00	e0.00	e0.02	e0.11	e0.02	e0.01	e0.01	e0.38	e0.68	e0.02	e0.02
17	e0.00	e0.00	e0.00	e0.02	e0.10	e0.02	e0.01	e0.00	e0.42	e0.68	e0.01	e0.01
18	e0.67	e0.00	e0.00	e0.02	e0.08	e0.02	e0.01	e0.00	e0.26	e0.04	e0.02	e0.01
19	e0.10	e0.65	e0.00	e0.02	e0.07	e0.08	e0.01	e0.06	e0.12	e0.08	e0.09	e0.04
20	e0.03	e0.03	e0.00	e0.00	e0.06	e0.04	e0.02	e0.02	e0.14	e0.57	e0.06	e0.13
21	e0.00	e0.00	e0.00	e0.00	e0.04	e0.03	e0.08	e0.02	e0.04	e0.12	e0.01	e0.01
22	e0.00	e0.00	e0.00	e0.00	e0.03	e0.08	e0.59	e0.00	e0.02	e0.30	e0.01	e0.00
23	e0.08	e0.00	e0.00	e0.03	e0.03	e0.64	e1.5	e0.00	e0.02	e0.03	e0.01	e0.03
24	e0.00	e0.05	e0.00	e0.17	e0.05	e0.12	e0.18	e0.00	e0.01	e0.02	e0.00	e0.01
25	e0.00	e0.00	e0.00	e0.00	e0.03	e0.07	e0.07	e0.00	e0.02	e0.02	e0.00	e0.06
26	e0.00	e0.00	e0.00	e0.00	e0.03	e0.05	e0.96	e0.00	e0.02	e0.01	e0.03	e0.16
27	e0.02	e0.01	e0.00	e0.00	e0.03	e0.08	e0.21	e0.00	e0.00	e0.02	e0.01	e0.02
28	e0.00	e0.00	e0.00	e0.00	e0.11	e1.4	e0.07	e0.04	e0.00	e0.01	e0.01	e0.01
29	e0.00	e0.00	e0.04	e0.00	---	e0.22	e0.05	e0.00	e0.00	e0.01	e0.01	e0.05
30	e0.02	e0.04	e0.45	e0.00	---	e0.10	e0.06	e0.04	e0.12	e0.01	e0.99	e0.01
31	e0.00	---	e0.98	e0.00	---	e0.06	---	e0.01	---	e0.02	e0.64	---
TOTAL	0.97	1.96	2.07	3.81	2.64	3.68	4.81	0.56	4.24	4.66	2.28	0.76
MEAN	0.03	0.07	0.07	0.12	0.09	0.12	0.16	0.02	0.14	0.15	0.07	0.03
MAX	0.67	0.65	0.98	1.1	0.47	1.4	1.5	0.10	0.91	0.68	0.99	0.16
MIN	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01	0.00	0.00
CFSM	0.03	0.05	0.05	0.10	0.08	0.10	0.13	0.01	0.11	0.12	0.06	0.02
IN.	0.03	0.06	0.06	0.11	0.08	0.11	0.14	0.02	0.13	0.14	0.07	0.02
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEAR 2005												
MEAN	0.03	0.07	0.07	0.12	0.09	0.12	0.16	0.02	0.14	0.15	0.07	0.03
MAX	0.03	0.07	0.07	0.12	0.09	0.12	0.16	0.02	0.14	0.15	0.07	0.03
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
MIN	0.03	0.07	0.07	0.12	0.09	0.12	0.16	0.02	0.14	0.15	0.07	0.03
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
SUMMARY STATISTICS FOR 2005 WATER YEAR												
ANNUAL TOTAL	32.44											
ANNUAL MEAN	0.09											
HIGHEST DAILY MEAN	1.5 Apr 23											
LOWEST DAILY MEAN	0.00 Oct 1											
ANNUAL SEVEN-DAY MINIMUM	0.00 Oct 1											
MAXIMUM PEAK FLOW	e15 Jun 10											
MAXIMUM PEAK STAGE	e1.45 Jun 10											
INSTANTANEOUS LOW FLOW	0.00 Oct 1											
ANNUAL RUNOFF (CFSM)	0.072											
ANNUAL RUNOFF (INCHES)	0.97											
10 PERCENT EXCEEDS	0.22											
50 PERCENT EXCEEDS	0.02											
90 PERCENT EXCEEDS	0.00											

e Estimated.

**391040084344200 West Branch Shepherd Creek at River Mile 0.01 near Mount Airy, Ohio**

LOCATION.—Latitude 39°10'40", longitude 84°34'42", Hamilton County, Hydrologic Unit 05090203, on east side of driveway off Shepherd Creek Road, 1.0 mi south of U.S. Route 27 (Colerain Avenue), 0.02 mi north of Blue Spruce Road, 1.1 mi south-southwest of Mount Airy, Ohio, 0.4 mi upstream from confluence with West Fork.

DRAINAGE AREA.—0.23 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1, 2004, to September 30, 2005.

GAGE.—Water-stage recorder. Datum of gage is 725.50 ft above sea level.

REMARKS.—Records fair except for periods of estimated record and discharges less than 0.08 ft<sup>3</sup>/s, which are poor.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.04	0.03	e0.11	e0.92	e0.11	e0.35	0.13	e0.18	0.04	e0.63	e0.10	e0.18
2	e0.04	0.43	e0.05	e0.33	e0.15	e0.25	0.62	e0.17	0.05	0.05	e0.04	e0.18
3	e0.04	0.15	0.09	e3.7	e0.22	e0.24	0.21	e0.15	0.27	0.03	e0.04	e0.18
4	e0.04	1.1	0.07	e2.7	e0.22	e0.25	0.14	e0.13	0.15	0.02	e0.05	e0.18
5	e0.04	0.13	0.05	e1.6	e0.26	e0.33	0.12	e0.11	0.06	0.05	e5.7	e0.08
6	0.07	0.07	0.21	e0.78	e0.38	e0.23	0.10	e0.11	0.03	0.02	e19	e0.06
7	0.08	0.04	0.16	e0.12	e0.49	e0.28	0.16	e0.13	0.12	0.01	e13	e0.06
8	0.09	0.03	0.11	e0.94	e1.1	e0.21	0.11	e0.09	0.03	0.02	e6.2	e0.06
9	0.01	0.02	0.12	e0.09	e0.40	e0.19	0.09	e0.09	0.02	0.02	e0.38	e0.18
10	0.07	0.02	0.11	e0.14	e0.22	e0.17	e0.16	e0.08	0.85	0.01	e0.06	e0.18
11	0.06	0.62	0.12	e0.14	e0.17	e0.18	e0.15	e0.08	0.11	0.01	e0.06	e0.18
12	e0.06	1.0	0.12	e0.14	e0.15	e0.24	e0.19	e0.19	0.34	0.02	e0.05	e0.18
13	0.10	0.13	0.12	e0.23	e0.38	e0.19	e0.23	e0.18	0.19	0.30	e0.05	e0.18
14	0.03	0.07	0.12	e0.32	e0.59	e0.17	e0.13	e0.47	0.08	0.27	e0.05	e0.03
15	0.12	e0.05	0.12	e0.11	e0.31	e0.15	e0.12	e0.11	0.02	0.14	e0.05	e0.02
16	0.01	e0.05	0.12	e0.11	e0.29	e0.14	e0.10	e0.09	0.01	0.23	e3.1	e0.04
17	0.01	e0.04	0.12	e0.11	e0.37	e0.15	e0.10	0.05	0.01	e0.23	e10	e0.04
18	2.6	e0.06	0.12	e0.11	e0.31	e0.14	e0.10	0.05	0.01	0.04	e0.53	0.02
19	0.36	e0.80	0.13	e0.11	e0.26	e0.37	e0.09	0.18	0.00	0.06	e9.5	0.03
20	0.19	e0.20	0.13	e0.06	e0.23	e0.20	e0.11	0.10	0.01	0.74	e15	0.27
21	e0.07	e0.08	0.12	e0.03	e0.18	e0.17	e0.39	0.07	0.01	0.10	e13	0.05
22	0.04	e0.04	0.12	e0.03	e0.18	e0.36	e2.5	0.06	0.01	0.13	e2.8	0.04
23	0.28	e0.04	0.13	e0.12	e0.18	e2.7	e6.3	0.05	0.02	e0.21	e0.18	0.11
24	0.13	e0.21	0.13	e0.45	e0.24	e0.52	e0.78	0.05	0.03	e0.18	e0.18	0.04
25	0.05	e0.05	0.13	e0.01	e0.19	e0.36	e0.33	0.05	e0.11	e0.16	e0.18	0.05
26	0.03	e0.04	0.12	e0.01	e0.18	e0.27	e4.0	0.05	e0.10	e0.15	e0.18	0.38
27	0.13	e0.08	e0.14	e0.01	e0.17	e0.37	e0.89	0.05	e0.05	e0.16	e0.17	0.07
28	0.04	e0.04	e0.13	e0.01	e0.50	e16	e0.32	0.12	e0.04	e0.15	e0.18	0.04
29	0.04	e0.04	e0.75	e0.01	---	e0.94	e0.27	0.04	e0.04	e0.13	e0.17	0.09
30	0.09	e0.16	e2.7	e0.01	---	e0.44	e0.28	0.13	e0.46	e0.15	e0.17	0.04
31	0.04	---	e4.1	e0.06	---	e0.31	---	0.06	---	e4.6	e0.18	---
TOTAL	5.00	5.82	10.87	13.51	8.43	26.87	19.22	3.47	3.27	9.02	100.35	3.24
MEAN	0.16	0.19	0.35	0.44	0.30	0.87	0.64	0.11	0.11	0.29	3.24	0.11
MAX	2.6	1.1	4.1	3.7	1.1	16	6.3	0.47	0.85	4.6	19	0.38
MIN	0.01	0.02	0.05	0.01	0.11	0.14	0.09	0.04	0.00	0.01	0.04	0.02
CFSM	0.07	0.08	0.14	0.18	0.12	0.36	0.26	0.05	0.04	0.12	1.33	0.04
IN.	0.08	0.09	0.17	0.21	0.13	0.41	0.29	0.05	0.05	0.14	1.54	0.05
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEAR 2005												
MEAN	0.16	0.19	0.35	0.44	0.30	0.87	0.64	0.11	0.11	0.29	3.24	0.11
MAX	0.16	0.19	0.35	0.44	0.30	0.87	0.64	0.11	0.11	0.29	3.24	0.11
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
MIN	0.16	0.19	0.35	0.44	0.30	0.87	0.64	0.11	0.11	0.29	3.24	0.11
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
SUMMARY STATISTICS FOR 2005 WATER YEAR												
ANNUAL TOTAL	209.07											
ANNUAL MEAN	0.57											
HIGHEST DAILY MEAN	19 Aug 6											
LOWEST DAILY MEAN	0.00 Jun 19											
ANNUAL SEVEN-DAY MINIMUM	0.01 Jun 16											
MAXIMUM PEAK FLOW	21 Jun 10											
MAXIMUM PEAK STAGE	1.16 Jun 10											
INSTANTANEOUS LOW FLOW	0.00 Sep 21											
ANNUAL RUNOFF (CFSM)	0.24											
ANNUAL RUNOFF (INCHES)	3.20											
10 PERCENT EXCEEDS	0.62											
50 PERCENT EXCEEDS	0.13											
90 PERCENT EXCEEDS	0.03											

e Estimated.

**391040084343800 Middle Branch Shepherd Creek at River Mile 0.04 near Mount Airy, Ohio**

LOCATION.—Latitude 39°10'40", longitude 84°34'38", Hamilton County, Hydrologic Unit 05090203, on west side of Shepherd Creek Road, approximately 0.04 mi upstream from mouth.

DRAINAGE AREA.—0.28 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1, 2004, to September 30, 2005.

GAGE.—Water-stage recorder. Datum of gage is 734.10 ft above sea level.

REMARKS.—Records fair except for periods of estimated record and discharges less than 0.05 ft<sup>3</sup>/s, which are poor.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.10	0.01	e0.09	0.59	e0.07	0.20	0.15	0.09	0.02	e0.24	e0.04	0.09
2	e0.20	0.28	e0.03	0.21	0.10	0.13	0.73	0.08	0.03	e0.09	e0.01	0.09
3	e0.30	0.08	e0.03	2.4	0.19	0.13	0.23	0.07	0.41	e0.09	0.01	0.09
4	e0.40	0.79	e0.02	e1.8	0.18	0.14	0.15	0.06	0.15	e0.09	0.01	0.09
5	e0.50	0.05	e0.01	e1.0	0.25	0.18	0.12	0.05	0.05	e0.18	3.4	e0.38
6	e0.60	0.01	0.13	e0.50	0.35	0.12	0.10	0.05	0.03	e0.14	12	e0.32
7	e0.67	0.01	0.37	e0.11	0.49	0.15	0.18	0.06	0.11	e0.13	7.6	e0.32
8	e0.76	0.01	0.09	e0.64	1.2	0.11	0.11	0.04	0.07	e0.15	3.7	e0.32
9	0.00	0.01	0.77	e0.09	0.37	0.10	0.09	0.04	0.03	e0.13	0.21	0.09
10	0.00	0.01	0.29	e0.09	0.20	0.08	0.08	0.03	2.3	e0.13	0.02	0.09
11	0.00	0.30	0.38	e0.09	0.13	0.09	0.07	0.03	0.22	e0.13	0.02	0.09
12	e0.00	0.57	0.16	e0.09	0.11	0.13	0.10	0.10	1.3	e0.13	0.01	0.09
13	0.08	0.05	0.20	e0.15	0.36	0.10	0.12	0.09	0.66	e0.47	0.01	0.09
14	0.03	e0.02	0.15	e0.24	0.58	0.08	0.06	0.27	0.36	e0.27	0.01	e0.34
15	0.05	0.01	0.11	e0.07	0.28	0.07	0.05	0.05	0.15	e1.1	0.01	e0.30
16	0.00	0.01	0.10	e0.07	0.26	0.07	0.04	0.03	0.11	e1.7	1.9	e0.40
17	0.00	0.01	0.09	e0.07	e0.24	0.07	0.04	0.02	0.08	e1.7	6.2	0.43
18	1.5	e0.02	0.09	e0.07	e0.20	0.07	0.04	0.02	0.06	e0.12	0.31	0.15
19	0.17	e0.47	0.07	e0.07	e0.17	0.21	0.03	0.16	0.06	e0.17	5.8	e0.00
20	0.05	e0.10	0.05	e0.07	e0.15	0.10	0.05	0.05	e0.22	e0.43	8.8	2.1
21	0.01	e0.03	0.06	e0.05	e0.12	0.08	0.22	0.05	e0.12	e0.20	7.8	0.58
22	0.00	e0.01	0.14	e0.05	0.09	0.20	1.5	0.02	e0.09	e0.32	1.7	0.44
23	0.10	e0.21	0.18	e0.11	0.09	1.6	3.8	0.02	e0.08	e0.11	0.09	0.69
24	0.05	e0.13	0.11	e0.32	0.13	0.30	0.46	0.01	e0.05	e0.09	0.09	0.58
25	0.01	e0.26	0.08	e0.04	0.10	0.20	0.18	0.01	e0.09	e0.08	0.09	0.50
26	0.00	e0.21	0.08	e0.04	0.09	0.15	2.4	0.02	e0.08	e0.07	0.09	2.8
27	0.07	e0.37	0.09	e0.04	0.09	0.21	0.52	0.01	e0.15	e0.08	0.09	0.63
28	0.01	e0.23	0.08	e0.04	0.29	9.9	0.18	0.11	e0.14	e0.07	0.09	0.55
29	0.01	e0.21	0.48	e0.04	---	0.55	0.14	0.02	e0.03	e0.06	0.09	0.71
30	0.03	e0.11	1.7	e0.04	---	0.25	0.15	0.12	e0.20	e0.07	0.09	0.46
31	0.01	---	2.6	e0.04	---	0.17	---	0.03	---	e2.8	0.09	---
TOTAL	5.71	4.59	8.83	9.23	6.88	15.94	12.09	1.81	7.45	11.54	60.38	13.81
MEAN	0.18	0.15	0.28	0.30	0.25	0.51	0.40	0.06	0.25	0.37	1.95	0.46
MAX	1.5	0.79	2.6	2.4	1.2	9.9	3.8	0.27	2.3	2.8	12	2.8
MIN	0.00	0.01	0.01	0.04	0.07	0.07	0.03	0.01	0.02	0.06	0.01	0.00
CFSM	0.06	0.05	0.10	0.10	0.08	0.18	0.14	0.02	0.08	0.13	0.66	0.16
IN.	0.07	0.06	0.11	0.12	0.09	0.20	0.15	0.02	0.09	0.15	0.77	0.18
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEAR 2005												
MEAN	0.18	0.15	0.28	0.30	0.25	0.51	0.40	0.06	0.25	0.37	1.95	0.46
MAX	0.18	0.15	0.28	0.30	0.25	0.51	0.40	0.06	0.25	0.37	1.95	0.46
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
MIN	0.18	0.15	0.28	0.30	0.25	0.51	0.40	0.06	0.25	0.37	1.95	0.46
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
SUMMARY STATISTICS FOR 2005 WATER YEAR												
ANNUAL TOTAL	158.26											
ANNUAL MEAN	0.43											
HIGHEST DAILY MEAN	12 Aug 6											
LOWEST DAILY MEAN	0.00 Oct 9											
ANNUAL SEVEN-DAY MINIMUM	0.02 Oct 25											
MAXIMUM PEAK FLOW	52 Jun 10											
MAXIMUM PEAK STAGE	2.11 Jun 10											
INSTANTANEOUS LOW FLOW	0.00 Jun 30											
ANNUAL RUNOFF (CFSM)	0.15											
ANNUAL RUNOFF (INCHES)	2.01											
10 PERCENT EXCEEDS	0.68											
50 PERCENT EXCEEDS	0.10											
90 PERCENT EXCEEDS	0.02											

e Estimated.

## 391035084344300 East Branch Shepherd Creek near Mount Airy, Ohio

LOCATION.—Latitude 39°10'35", longitude 84°34'43", Hamilton County, Hydrologic Unit 05090203, on west side of Shepherd Creek Road, at the intersection of Blue Spruce Road and Shepherd Creek Road, 1.0 mi south of U.S. Route 27 (Colerain Avenue), 1.1 mi south-southwest of Mount Airy, Ohio, 0.9 mi upstream from confluence with West Fork.

DRAINAGE AREA.—0.14 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1, 2004, to September 30, 2005.

GAGE.—Water-stage recorder. Datum of gage is 719.94 ft above sea level.

REMARKS.—Records fair except for periods of estimated record and discharges less than 1.5 ft<sup>3</sup>/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.51	e0.52	1.0	1.9	e0.35	e0.32	e0.30	e0.27	0.22	0.28	0.00	0.00
2	e0.51	0.80	0.60	0.99	e0.27	e0.29	e0.62	e0.26	0.24	0.01	0.00	0.00
3	e0.51	0.67	0.51	4.0	e0.32	e0.29	e0.35	e0.26	0.26	0.00	0.00	0.01
4	e0.51	2.0	0.48	e3.0	e0.32	e0.29	e0.30	e0.25	0.33	0.00	0.00	0.08
5	e0.51	0.61	0.48	e2.0	e0.35	e0.32	e0.28	e0.24	0.24	0.03	0.00	0.01
6	e0.51	0.53	0.65	e1.0	e0.41	e0.28	e0.27	e0.24	0.21	0.03	0.00	0.00
7	e0.51	0.50	1.0	e0.26	e0.48	e0.30	e0.32	e0.25	0.22	0.01	0.00	0.00
8	e0.51	0.48	0.62	e0.74	e0.86	e0.28	e0.28	e0.24	0.24	0.01	0.00	0.00
9	e0.50	0.47	1.7	e0.24	e0.43	e0.27	e0.26	e0.24	0.21	0.02	0.00	0.00
10	e0.50	0.46	1.3	e0.24	e0.32	e0.26	e0.26	e0.23	1.5	0.01	0.00	0.00
11	e0.50	1.0	e1.5	e0.24	e0.29	e0.27	e0.26	e0.23	0.62	0.00	0.00	0.00
12	e0.51	2.1	e0.92	e0.24	e0.28	e0.29	e0.27	e0.27	0.79	0.00	0.00	0.00
13	e0.70	0.62	e1.0	e0.30	e0.41	e0.27	e0.28	e0.27	0.93	0.20	0.00	0.00
14	e0.57	0.53	e0.89	e0.38	e0.53	e0.26	e0.25	e0.37	0.39	0.05	0.00	0.00
15	e0.64	0.51	e0.79	e0.23	e0.37	e0.26	e0.25	e0.24	0.30	0.00	0.00	0.00
16	e0.50	0.50	e0.76	e0.25	e0.36	e0.25	e0.24	0.37	0.25	0.00	0.00	0.00
17	e0.50	0.48	0.46	e0.30	e0.32	e0.26	e0.24	0.34	0.21	0.00	0.00	0.00
18	e4.5	0.48	0.48	e0.35	e0.30	e0.25	e0.24	0.26	0.21	0.00	0.00	0.00
19	e0.95	3.1	0.45	e0.42	e0.29	e0.33	e0.23	0.37	0.20	0.01	0.00	0.00
20	e0.63	1.1	0.54	0.53	e0.28	e0.27	e0.24	0.29	0.17	0.58	0.00	0.00
21	e0.52	0.56	0.46	0.47	e0.27	e0.26	e0.34	0.21	0.16	0.09	0.00	0.00
22	e0.50	e0.51	0.45	0.47	e0.27	e0.33	e1.0	0.21	0.13	0.00	0.00	0.00
23	e0.77	e0.51	0.53	0.66	e0.27	e1.1	e2.3	0.20	0.12	0.00	0.00	0.00
24	e0.63	0.87	0.48	1.4	e0.29	e0.38	e0.47	0.18	0.10	0.00	0.00	0.00
25	e0.52	0.52	0.48	0.42	e0.27	e0.33	e0.32	0.20	0.07	0.00	0.00	0.00
26	e0.50	0.52	0.38	0.42	e0.27	e0.30	e1.5	0.20	0.00	0.04	0.00	0.00
27	e0.67	0.54	0.35	0.40	e0.26	e0.33	e0.51	0.19	0.00	0.10	0.00	0.00
28	e0.52	0.56	0.42	0.42	e0.38	e5.7	e0.31	0.21	0.00	0.08	0.00	0.00
29	e0.51	0.51	0.71	0.42	---	e0.52	e0.30	0.21	0.00	0.09	0.00	0.00
30	e0.57	0.64	2.8	0.42	---	e0.36	e0.30	0.28	0.02	0.00	0.00	0.00
31	e0.52	---	5.5	0.42	---	e0.31	---	0.26	---	0.00	0.00	---
TOTAL	21.31	23.20	28.69	23.53	9.82	15.53	13.09	7.84	8.34	1.64	0.00	0.10
MEAN	0.69	0.77	0.93	0.76	0.35	0.50	0.44	0.25	0.28	0.05	0.00	0.00
MAX	4.5	3.1	5.5	4.0	0.86	5.7	2.3	0.37	1.5	0.58	0.00	0.08
MIN	0.50	0.46	0.35	0.23	0.26	0.25	0.23	0.18	0.00	0.00	0.00	0.00
CFSM	0.81	0.91	1.09	0.89	0.41	0.59	0.51	0.30	0.33	0.06	0.00	0.00
IN.	0.93	1.02	1.26	1.03	0.43	0.68	0.57	0.34	0.36	0.07	0.00	0.00

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEAR 2005

MEAN	0.69	0.77	0.93	0.76	0.35	0.50	0.44	0.25	0.28	0.05	0.00	0.00
MAX	0.69	0.77	0.93	0.76	0.35	0.50	0.44	0.25	0.28	0.05	0.00	0.00
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
MIN	0.69	0.77	0.93	0.76	0.35	0.50	0.44	0.25	0.28	0.05	0.00	0.00
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005

## SUMMARY STATISTICS

## FOR 2005 WATER YEAR

ANNUAL TOTAL	153.09
ANNUAL MEAN	0.42
HIGHEST DAILY MEAN	5.7 Mar 28
LOWEST DAILY MEAN	0.00 Jun 26
ANNUAL SEVEN-DAY MINIMUM	0.00 Jul 30
MAXIMUM PEAK FLOW	17 Jun 10
MAXIMUM PEAK STAGE	1.33 Jun 10
INSTANTANEOUS LOW FLOW	0.00 Aug 30
ANNUAL RUNOFF (CFSM)	0.49
ANNUAL RUNOFF (INCHES)	6.70
10 PERCENT EXCEEDS	0.78
50 PERCENT EXCEEDS	0.28
90 PERCENT EXCEEDS	0.00

e Estimated.

## Surface-Water Records—Great Miami River Basin

### 03260706 Bokengehalas Creek at De Graff, Ohio

LOCATION.—Latitude 40°18'40", longitude 84°54'45", sec. 6, R. 13, T. 3, Logan County, Hydrologic Unit 05080001, at DeGraff on right bank 100 ft downstream from bridge on County Road 11, and 1.1 mi upstream from mouth.

DRAINAGE AREA.— 40.4 mi<sup>2</sup>.

PERIOD OF RECORD.—June 1992 to September 1996, October 1997 to September 2002 recording crest-stage gage; October 2002 to current year. October 1957 to May 1992, at site 2.9 mi upstream published as "near DeGraff" (station 03260700), are not equivalent because of difference in drainage areas.

GAGE.—Water-stage recorder. Datum of gage is 977.38 ft above sea level.

REMARKS.—Records fair except for periods of estimated record, which are poor. Diurnal fluctuation caused by municipal plants in Bellefontaine, 12.7 mi upstream and DeGraff, 0.25 mi upstream. Since storage capacity is small, daily flows are not affected appreciably.

COOPERATION.—Base data furnished by Miami Conservancy District.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	11	56	326	55	58	57	74	29	19	10	22
2	12	20	45	169	53	52	159	65	27	15	10	13
3	12	28	36	408	e51	51	194	60	28	14	9.8	11
4	12	31	31	547	e50	50	103	55	27	14	9.3	9.9
5	12	24	28	556	e50	60	79	52	25	16	11	9.0
6	12	18	27	804	e70	91	67	50	27	14	10	8.8
7	11	16	32	427	e130	121	63	48	25	14	9.4	8.6
8	11	14	36	280	251	85	59	45	24	13	8.8	8.7
9	10	13	31	235	191	67	53	44	23	12	8.3	8.5
10	10	13	38	251	141	60	49	41	29	12	7.8	8.0
11	10	13	41	332	101	58	47	40	87	12	9.0	7.6
12	11	e14	37	1140	86	57	45	38	41	11	8.4	7.5
13	11	e13	32	949	81	54	48	40	55	11	7.3	7.7
14	11	e13	28	630	88	52	42	66	38	12	6.8	7.4
15	15	e13	26	315	86	50	40	63	30	13	10	7.6
16	13	e13	25	218	91	47	38	47	29	21	14	88
17	11	16	23	175	97	45	37	43	26	15	9.2	34
18	15	e38	23	144	78	44	37	40	24	13	8.4	20
19	15	28	21	137	70	44	36	51	22	29	7.8	16
20	12	29	27	126	70	50	35	81	22	14	7.3	15
21	11	22	21	112	103	44	69	53	21	13	8.7	14
22	11	19	20	105	87	41	56	46	21	12	7.2	13
23	11	18	36	91	73	60	283	45	20	11	7.3	56
24	16	46	32	84	67	53	277	41	19	11	6.9	74
25	12	134	e28	84	61	65	205	38	17	11	6.2	70
26	11	58	e25	79	58	113	162	36	17	12	6.3	136
27	11	44	e21	70	54	75	218	34	16	16	7.5	78
28	11	44	e18	65	55	e120	121	34	16	14	7.1	46
29	12	38	e17	64	---	111	98	34	17	12	6.2	58
30	12	34	e26	62	---	78	87	31	17	11	17	43
31	11	---	364	59	---	64	---	30	---	10	99	---
TOTAL	368	835	1251	9044	2448	2020	2864	1465	819	427	362.0	906.3
MEAN	11.9	27.8	40.4	292	87.4	65.2	95.5	47.3	27.3	13.8	11.7	30.2
MAX	16	134	364	1140	251	121	283	81	87	29	99	136
MIN	10	11	17	59	50	41	35	30	16	10	6.2	7.4
MED	11	20	28	175	76	58	61	45	24	13	8.4	14
CFSM	0.29	0.69	1.00	7.22	2.16	1.61	2.36	1.17	0.68	0.34	0.29	0.75
IN.	0.34	0.77	1.15	8.33	2.25	1.86	2.64	1.35	0.75	0.39	0.33	0.83
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993-2005, BY WATER YEAR (WY)												
MEAN	15.6	37.7	40.2	78.5	51.3	61.9	74.8	66.8	56.3	45.3	27.8	25.0
MAX	35.8	85.5	85.1	292	87.4	118	170	140	127	139	64.5	88.5
(WY)	2004	1993	2002	2005	2005	1997	2002	1996	2004	2003	2003	2003
MIN	5.94	7.60	9.40	17.2	17.9	31.7	39.8	21.7	13.3	9.62	9.10	6.37
(WY)	1995	1995	1995	1995	1995	2001	2004	1999	1999	1994	1994	1994
SUMMARY STATISTICS												
				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1993-2005		
ANNUAL TOTAL				17482			22809.3					
ANNUAL MEAN				47.8			62.5			51.8		
HIGHEST ANNUAL MEAN										62.5		
LOWEST ANNUAL MEAN										35.2		
HIGHEST DAILY MEAN				641			1140			1140		
LOWEST DAILY MEAN				10			6.2			5.0		
ANNUAL SEVEN-DAY MINIMUM				11			6.8			5.3		
MAXIMUM PEAK FLOW							1370			1370		
MAXIMUM PEAK STAGE							7.95			7.95		
INSTANTANEOUS LOW FLOW							4.5			4.5		
ANNUAL RUNOFF (CFSM)				1.18			1.55			1.28		
ANNUAL RUNOFF (INCHES)				16.10			21.00			17.44		
10 PERCENT EXCEEDS				76			120			107		
50 PERCENT EXCEEDS				32			32			32		
90 PERCENT EXCEEDS				13			10			10		

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

## 03261500 Great Miami River at Sidney, Ohio

LOCATION.—Latitude 40°17'13", longitude 84°09'00", Shelby County, Hydrologic Unit 05080001, on right bank 50 ft upstream from North Street bridge in Sidney, Ohio, and 0.5 mi downstream from Tawawa Creek.

DRAINAGE AREA.—541 mi<sup>2</sup>.

PERIOD OF RECORD.—February 1914 to current year. Prior to October 1962, published as Miami River at Sidney.

REVISED RECORDS.—WSP 1305: 1914(M), 1922(M). WSP 1908: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 924.70 ft, National Geodetic Vertical Datum of 1912. Prior to Sept. 18, 1919, nonrecording gage at site 50 ft downstream at datum 1.76 ft higher; Sept. 18, 1919–Aug. 1925, nonrecording gage at site 50 ft downstream at present datum.

REMARKS.—Records good except for periods of estimated record, which are poor. Pumpage for City of Sidney averaged 5.59 ft<sup>3</sup>/s in 2005 and is returned as sewage 1.2 mi downstream from the station. Some regulation by Indian Lake, 28 mi upstream, capacity, 45,900 acre-ft; water diverted into Miami and Erie Canal at Port Jefferson, 2.8 mi upstream, prior to 1926; amount of diversion not published. Sediment data formerly collected at this site.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 25, 1913, reached a stage of 19.6 ft, present datum; discharge, 44,000 ft<sup>3</sup>/s, computed by Miami Conservancy District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e90	e70	e730	e6530	e372	500	679	1150	196	406	89	1260
2	e74	e115	e1060	e3730	e340	518	1090	877	186	462	76	1000
3	e60	e200	e770	e4360	e330	401	2100	660	183	257	64	549
4	e52	e350	e598	e6400	e330	387	1560	536	174	153	61	266
5	e48	e440	e469	e9490	e330	512	1110	473	171	119	59	164
6	e46	e360	e390	e12200	e670	1060	826	e425	174	110	70	125
7	e49	e280	e383	e8940	e1500	1450	669	390	195	94	87	96
8	e45	e190	e555	e6810	3600	1260	647	390	337	87	76	84
9	e43	e180	e584	e4780	4370	971	584	e342	231	81	68	96
10	e41	e150	e537	e3690	3130	695	460	308	186	79	64	129
11	e70	e120	e565	e4130	2280	498	409	289	277	74	59	110
12	e42	e115	e596	e10400	1650	467	393	297	231	71	67	84
13	e54	e140	e527	e9160	1400	437	395	327	406	69	64	71
14	e49	e170	e450	e8230	1390	371	417	378	423	71	60	62
15	e52	e140	e382	e6050	1490	332	336	696	293	79	79	60
16	e63	e110	e285	e3710	1500	329	280	587	243	88	92	471
17	e61	e96	e249	e2200	1690	312	247	421	233	94	79	1060
18	e60	e125	e247	e1510	1330	302	242	343	192	92	69	530
19	e96	e312	e239	e1200	1040	298	236	360	175	128	63	274
20	e84	e586	e171	e923	854	323	236	818	162	208	77	175
21	e74	e635	e148	e764	840	369	399	750	146	125	77	142
22	e78	e455	e122	e669	1060	339	503	527	134	93	71	121
23	e84	e342	e106	e551	948	425	2850	e430	135	96	67	204
24	e100	e336	e100	e516	793	594	3990	422	130	84	61	1700
25	e92	e1850	e97	e530	664	666	3690	385	151	76	56	3000
26	e92	e1740	e91	e538	533	1710	3070	302	126	83	52	3080
27	e88	e1110	e91	e475	469	1350	3300	263	121	97	51	2620
28	e83	e818	e98	e399	452	1630	2550	224	122	344	52	1860
29	e78	e717	e125	e431	---	1730	1940	240	117	232	50	1430
30	e73	e598	e206	e406	---	1190	1490	237	214	131	153	1190
31	e70	---	e2830	e386	---	880	---	218	---	101	1000	---
TOTAL	2091	12850	13801	120108	35355	22306	36698	14065	6064	4284	3113	22013
MEAN	67.5	428	445	3874	1263	720	1223	454	202	138	100	734
MAX	100	1850	2830	12200	4370	1730	3990	1150	423	462	1000	3080
MIN	41	70	91	386	330	298	236	218	117	69	50	60
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926-2005, BY WATER YEAR (WY)												
MEAN	165	317	512	765	770	948	881	563	453	325	183	150
MAX	1717	1876	2373	3874	2186	2507	2500	2010	2073	2376	1173	2365
(WY)	1927	1973	1991	2005	1950	1927	1957	1996	1958	2003	1973	1926
MIN	21.9	36.3	41.3	42.1	49.5	106	164	70.6	36.1	24.6	28.5	21.2
(WY)	1964	1935	1935	1977	1964	1941	1946	1934	1988	1934	1963	1963
SUMMARY STATISTICS												
ANNUAL TOTAL				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1926-2005		
ANNUAL MEAN				204589			292748					
HIGHEST ANNUAL MEAN				559			802			501		
LOWEST ANNUAL MEAN										963		
HIGHEST DAILY MEAN				6690 Jan 5			e12200 Jan 6			17400 Mar 21		
LOWEST DAILY MEAN				41 Oct 10			41 Oct 10			8.0 Sep 23		
ANNUAL SEVEN-DAY MINIMUM				46 Oct 4			46 Oct 4			15 Sep 19		
MAXIMUM PEAK FLOW							e12400 Jan 6a			20700 Mar 20		
MAXIMUM PEAK STAGE							e14.20 Jan 6			15.91 Jan 21		
INSTANTANEOUS LOW FLOW										1.5 Aug 13		
10 PERCENT EXCEEDS				1210			1730			1290		
50 PERCENT EXCEEDS				265			327			186		
90 PERCENT EXCEEDS				70			70			46		

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

**03261950 Loramie Creek near Newport, Ohio**

LOCATION.—Latitude 40°18'25", longitude 84°23'02", in SE ¼ sec, 24, T.11 N., R.4 E., Shelby County, Hydrologic Unit 05080001, right bank at downstream side of bridge on Cardo Roman Road, 1.1 mi northwest of Newport, Ohio, 3 mi south of Fort Loramie, Ohio, 3 mi downstream from Mile Creek, and at mile 16.5.

DRAINAGE AREA.—152 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1964 to current year.

REVISED RECORDS.—WRD Ohio 1971: 1966(M). WDR Ohio 1985-1: 1984(M).

GAGE.—Water-stage recorder. Datum of gage is 926.57 ft above sea level. October 1, 1964–September 30, 1980, water-stage recorder at same site at datum 0.43 ft higher.

REMARKS.—Records good except for periods of estimated record, which are poor. Some regulation by Lake Loramie 5 mi upstream, capacity, 13,000 acre-ft. Sediment data formerly collected at this site.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 25, 1913, reached a stage of 17.0 ft and flood of Jan. 21, 1959, a stage of 14.2 ft, from flood profile furnished by Miami Conservancy District.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	13	333	2180	e26	67	181	152	12	741	8.0	384
2	5.6	40	329	1320	e25	70	385	110	10	380	5.4	174
3	6.1	104	198	1470	e24	78	555	85	9.6	161	3.8	76
4	5.5	88	125	2750	e24	68	311	70	9.4	78	3.1	38
5	4.4	137	93	2790	e23	96	219	56	9.0	45	3.6	20
6	4.5	75	78	4210	e30	245	190	49	41	28	4.5	11
7	5.3	48	116	2980	279	295	172	47	34	18	3.7	7.0
8	5.1	28	248	1440	1490	242	65	42	25	11	3.4	5.2
9	5.4	13	175	696	1570	181	49	35	19	8.2	3.4	23
10	5.3	7.7	173	730	1010	150	44	30	14	6.1	2.8	57
11	3.6	8.5	166	1240	440	159	39	27	30	4.7	3.2	34
12	3.8	36	153	3880	239	152	37	33	20	4.0	3.6	18
13	6.1	30	118	3940	217	142	51	19	60	4.1	4.5	9.3
14	7.5	14	94	2710	594	122	43	29	65	4.4	3.6	6.0
15	9.2	8.2	67	1450	569	72	33	63	36	7.0	8.0	4.5
16	12	7.7	55	587	502	22	30	54	25	7.7	11	83
17	6.0	9.0	e48	298	587	23	30	41	16	8.0	6.2	115
18	7.6	21	e41	199	288	40	32	31	12	4.9	3.8	67
19	16	66	e35	161	177	26	33	59	8.7	9.7	3.1	37
20	10	231	e31	123	135	27	33	357	5.7	7.3	2.8	39
21	6.4	159	e28	97	186	43	127	203	4.0	6.1	2.3	32
22	4.6	90	e26	87	192	88	e240	114	3.3	5.4	2.1	21
23	5.0	61	e25	70	150	102	e600	85	3.0	4.7	2.7	63
24	22	194	e23	57	123	94	e1500	62	3.0	3.5	2.8	375
25	16	1050	e22	e50	93	133	e1200	45	5.6	3.3	2.4	1290
26	6.6	623	e21	e43	82	526	864	32	6.5	3.1	2.6	1750
27	5.9	284	e20	e36	68	354	1180	26	5.2	74	3.1	1750
28	6.4	216	e19	e32	69	331	623	24	98	91	4.4	787
29	4.7	175	e24	e30	---	326	320	21	219	48	3.1	354
30	3.1	133	107	e29	---	238	220	18	396	24	18	254
31	6.6	---	1560	e27	---	200	---	15	---	13	375	---
TOTAL	221.1	3970.1	4551	35712	9212	4712	9406	2034	1205.0	1814.2	510.0	7884.0
MEAN	7.13	132	147	1152	329	152	314	65.6	40.2	58.5	16.5	263
MAX	22	1050	1560	4210	1570	526	1500	357	396	741	375	1750
MIN	3.1	7.7	19	27	23	22	30	15	3.0	3.1	2.1	4.5

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-2005, BY WATER YEAR (WY)**

MEAN	40.9	107	178	193	214	267	235	138	122	122	46.2	35.6
MAX	360	656	802	1152	613	826	700	437	561	1025	322	302
(WY)	1987	1973	1991	2005	1975	1978	1972	1996	1981	2003	1995	2003
MIN	0.75	1.32	1.63	0.63	14.1	37.6	23.1	7.14	1.47	0.51	0.22	0.53
(WY)	1965	1981	1977	1977	1978	2001	1971	1988	1988	1965	1965	1966

**SUMMARY STATISTICS**

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1965-2005	
ANNUAL TOTAL	45086.8		81231.4			
ANNUAL MEAN	123		223		141	
HIGHEST ANNUAL MEAN					249	
LOWEST ANNUAL MEAN					39.6	
HIGHEST DAILY MEAN	3560	Jan 5	4210	Jan 6	6170	Jul 9
LOWEST DAILY MEAN	2.6	Sep 6	2.1	Aug 22	0.10	Aug 15
ANNUAL SEVEN-DAY MINIMUM	3.1	Sep 10	2.5	Aug 20	0.13	Sep 9
MAXIMUM PEAK FLOW			4640	Jan 12a	6500	Dec 31
MAXIMUM PEAK STAGE			13.98	Jan 12	15.51	Jul 9
INSTANTANEOUS LOW FLOW					0.10	Aug 15
10 PERCENT EXCEEDS	253		561		357	
50 PERCENT EXCEEDS	27		40		24	
90 PERCENT EXCEEDS	4.7		4.5		1.8	

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

### 03262000 Loramie Creek at Lockington, Ohio

LOCATION.—Latitude 40°12'35", longitude 84°14'32", in NE ¼ sec. 30, T.7 N., R.6 E., Shelby County, Hydrologic Unit 05080001, on left bank at downstream side of county road bridge, 1,300 ft downstream from Lockington Dam, 0.5 mi northwest of Lockington, Ohio, and at mile 1.9.

DRAINAGE AREA.—257 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1915 to current year.

REVISED RECORDS.—WSP 923: 1916. WSP 1908: Drainage area.

GAGE.—Water-stage recorder and concrete control. Datum of gage is 800.03 ft, National Geodetic Vertical Datum of 1912. Prior to July 3, 1924, nonrecording gage at same site at datum 75.96 ft higher; July 3, 1924–Aug. 17, 1926, nonrecording gage and Aug. 18–Sept. 30, 1926, water-stage recorder at same site at datum 74.96 ft higher.

REMARKS.—Records good except for periods of estimated record, which are poor. Slight regulation by Lake Loramie 18 mi upstream, capacity, 13,000 acre-ft. Flood flow regulated by Lockington retarding basin beginning in 1921.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 10,400 ft<sup>3</sup>/s May 7, 1916, gage height, 86.4 ft, present datum, from rating curve extended above 5,400 ft<sup>3</sup>/s.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 25, 1913, reached a stage of 91.6 ft, present datum; discharge, 25,600 ft<sup>3</sup>/s, at site upstream from Turtle Creek, drainage area, 211 mi<sup>2</sup>, computed by Miami Conservancy District.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	13	14	472	3330	e68	129	220	262	38	1080	23	432	
2	9.6	e44	570	2160	e66	111	636	196	34	589	18	215	
3	8.0	116	317	2120	e62	119	1130	158	32	246	16	107	
4	7.6	106	200	3630	e60	116	541	133	32	130	14	64	
5	7.2	169	138	4080	e58	134	327	113	31	80	e15	45	
6	7.1	110	113	5380	e56	321	248	98	32	57	16	27	
7	6.9	71	117	5200	441	370	227	90	52	41	16	20	
8	6.6	54	336	4080	2530	309	168	86	53	31	15	16	
9	6.6	39	261	1770	2340	223	103	78	49	25	14	12	
10	6.3	30	252	1280	1620	171	85	e70	39	20	15	38	
11	6.4	26	251	1930	778	170	75	e58	37	17	e14	39	
12	7.2	36	236	4880	401	166	69	61	47	e14	e16	21	
13	7.6	53	184	5410	321	155	73	62	79	13	e20	15	
14	7.8	40	138	5170	777	144	75	62	116	12	e18	20	
15	10	29	105	4040	996	115	62	109	77	13	e29	17	
16	11	26	79	1410	844	74	54	101	55	25	e26	103	
17	12	26	71	541	1080	53	50	82	43	20	24	140	
18	12	32	66	355	528	54	50	68	34	25	17	98	
19	17	68	61	e300	305	64	50	69	30	28	e14	64	
20	20	317	40	e240	232	61	49	395	26	32	e12	51	
21	15	216	51	e200	336	56	87	334	22	25	e9.5	54	
22	12	126	e40	e170	336	78	205	194	19	22	e7.0	40	
23	12	88	e32	e150	252	123	2110	142	17	19	9.8	35	
24	17	248	e31	e130	206	140	3090	111	18	17	9.4	303	
25	26	1440	e30	e110	174	193	2590	87	24	16	9.4	1490	
26	23	1060	e28	e100	144	971	1370	71	44	10	9.4	1810	
27	16	459	e27	e90	129	581	1900	60	24	15	9.4	1980	
28	14	317	e26	e84	122	603	1040	54	28	87	9.1	1020	
29	13	269	e25	e80	---	635	534	51	180	75	8.9	426	
30	13	190	e43	e74	---	362	351	49	632	48	15	302	
31	11	---	2290	e72	---	267	---	43	---	31	362	---	
TOTAL	361.9	5819	6630	58566	15262	7068	17569	3547	1944	2863	810.9	9004	
MEAN	11.7	194	214	1889	545	228	586	114	64.8	92.4	26.2	300	
MAX	26	1440	2290	5410	2530	971	3090	395	632	1080	362	1980	
MIN	6.3	14	25	72	56	53	49	43	17	10	7.0	12	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921-2005, BY WATER YEAR (WY)													
MEAN	53.3	127	229	347	347	447	388	214	188	139	67.2	55.0	
MAX	540	1025	1203	1889	1119	1235	1301	1017	1754	1450	682	1092	
(WY)	1987	1973	1991	2005	1950	1978	1922	1933	1958	2003	1995	1926	
MIN	2.92	4.64	4.59	4.35	9.19	21.4	43.0	11.9	9.23	5.35	3.37	2.46	
(WY)	1964	1964	1964	1977	1964	1941	1971	1941	1988	1936	1936	1983	
SUMMARY STATISTICS				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR			WATER YEARS 1921-2005		
ANNUAL TOTAL				74371.6				129444.8					
ANNUAL MEAN				203				355			216		
HIGHEST ANNUAL MEAN											413		
LOWEST ANNUAL MEAN											53.0		
HIGHEST DAILY MEAN				3830		Jan 5		5410		Jan 13		6570	
LOWEST DAILY MEAN				6.3		Oct 10		6.3		Oct 10		0.40	
ANNUAL SEVEN-DAY MINIMUM				6.7		Oct 5		6.7		Oct 5		1.6	
MAXIMUM PEAK FLOW								5620		Jan 6		6710	
MAXIMUM PEAK STAGE								84.23		Jan 6		85.00	
INSTANTANEOUS LOW FLOW												0.51	
10 PERCENT EXCEEDS				451				981		545			
50 PERCENT EXCEEDS				68				69		44			
90 PERCENT EXCEEDS				10				13		7.3			

e Estimated.





### 03263000 Great Miami River at Taylorsville, Ohio

LOCATION.—Latitude 39°52'27", longitude 84°09'45", in SW ¼ sec. 36, R.8, T.2, Montgomery County, Hydrologic Unit 05080001, on right upstream face of Taylorsville Dam, 0.8 mi north of Taylorsville, Ohio, 2.1 mi east of Vandalia, Ohio, 9.5 mi upstream from Stillwater River, and at mile 90.9.

DRAINAGE AREA.—1,149 mi<sup>2</sup>.

PERIOD OF RECORD.—January 1914 to September 1917 (published as Miami River at Tadmor), October 1921 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at site at Tadmor, January 1914 to July 1920, are contained in reports of the National Weather Service.

REVISED RECORDS.—WSP 743: 1924(M). WSP 853: 1930, 1937. WSP 923: 1922-24. WSP 1385: 1916. WSP 1908: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 760.11 ft, National Geodetic Vertical Datum of 1912 (levels by Miami Conservancy District). Prior to October 1921, nonrecording gage at site 1.7 mi upstream at different datum; Jan. 1, 1922-Nov. 11, 1925, nonrecording gage at site 50 ft downstream at outlet works of Taylorsville Dam at datum 60.03 ft lower; Oct. 1921-Sept. 1978 at site 650 ft downstream at datum 60.03 ft lower.

REMARKS.—Records good except for periods of estimated record, which are poor. Flood flow regulated by retarding basins on Great Miami River just downstream from station and on Loramie Creek 28 mi upstream from station beginning in 1921. Low and medium flow slightly regulated by Indian Lake, 64 mi upstream from station, and by Lake Loramie 47 mi upstream from station on Loramie Creek; combined capacity, 58,900 acre-ft.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in Mar. 1913, reached a stage of 25.4 ft at site at Tadmor; discharge, 127,000 ft<sup>3</sup>/s computed by Miami Conservancy District.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	192	137	1290	11900	806	1060	1480	2180	450	2410	199	1780	
2	152	147	2050	10200	741	1020	1710	1730	421	1640	186	1530	
3	127	350	1640	9720	730	967	4280	1400	405	1040	172	1040	
4	123	941	1230	16400	708	901	3150	1170	396	638	156	617	
5	120	1220	946	17800	703	930	2210	1010	375	434	165	370	
6	115	1180	764	26100	763	1450	1670	919	359	351	150	264	
7	114	748	738	25300	1170	2030	1410	867	350	296	136	216	
8	120	508	933	19000	6420	2050	1250	822	436	242	155	184	
9	108	400	1130	13100	8000	1680	1080	790	492	201	147	203	
10	107	304	1040	7770	6890	1340	942	733	397	207	141	179	
11	128	250	1080	7010	4510	1140	828	676	352	193	148	208	
12	152	276	1120	16200	3010	1030	775	779	459	186	91	195	
13	111	249	1040	21600	2300	960	759	749	735	187	125	162	
14	136	325	862	20500	2390	886	734	1420	811	186	179	146	
15	123	282	736	17600	3360	806	712	1610	692	184	140	142	
16	136	216	596	12200	2920	739	607	1370	507	196	162	1940	
17	138	198	474	6040	3830	684	554	1080	427	212	178	1880	
18	190	208	460	3890	2760	654	523	889	404	203	158	1300	
19	231	395	452	2940	2000	665	515	962	341	224	153	758	
20	198	904	e400	2300	1640	680	501	1780	309	248	140	642	
21	179	1260	e340	1870	1760	678	589	1850	293	347	167	420	
22	162	906	e300	1600	2050	698	936	1350	261	293	144	344	
23	157	668	e260	1290	1770	842	3960	1090	234	208	133	288	
24	222	574	e230	1140	1530	998	9510	945	221	197	133	836	
25	181	2560	e210	1260	1350	1120	9070	883	220	198	125	4470	
26	181	3480	e200	1210	1190	2690	6530	778	345	198	117	5400	
27	182	2360	e200	1040	1060	2720	7090	671	e400	198	117	6250	
28	177	1690	e200	895	1020	3090	5410	630	e260	207	114	4270	
29	160	1430	e370	917	---	3970	3630	543	304	502	105	2550	
30	151	1190	e700	894	---	2530	2770	543	705	356	199	2050	
31	139	---	5100	842	---	1870	---	503	---	246	973	---	
TOTAL	4712	25356	27091	280528	67381	42878	75185	32722	12361	12428	5408	40634	
MEAN	152	845	874	9049	2406	1383	2506	1056	412	401	174	1354	
MAX	231	3480	5100	26100	8000	3970	9510	2180	811	2410	973	6250	
MIN	107	137	200	842	703	654	501	503	220	184	91	142	
CFSM	0.13	0.74	0.76	7.88	2.09	1.20	2.18	0.92	0.36	0.35	0.15	1.18	
IN.	0.15	0.82	0.88	9.08	2.18	1.39	2.43	1.06	0.40	0.40	0.18	1.32	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922-2005, BY WATER YEAR (WY)													
MEAN	328	622	1044	1605	1576	1940	1835	1189	1002	683	386	297	
MAX	3089	4228	4587	9049	4473	5158	5525	4603	5567	4951	2786	3608	
(WY)	1927	1973	1991	2005	1950	1963	1922	1996	1958	2003	1995	1926	
MIN	45.8	63.9	65.3	46.8	94.4	205	361	137	91.2	70.8	68.3	46.5	
(WY)	1964	1935	1977	1977	1964	1941	1971	1941	1988	1936	1965	1963	
SUMMARY STATISTICS				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR			WATER YEARS 1922-2005		
ANNUAL TOTAL				433932				626684					
ANNUAL MEAN				1186				1717			1039		
HIGHEST ANNUAL MEAN											2005		
LOWEST ANNUAL MEAN											292		
HIGHEST DAILY MEAN				17200		Jan 5		26100		Jan 6		30200	
LOWEST DAILY MEAN				103		Sep 26		91		Aug 12		25	
ANNUAL SEVEN-DAY MINIMUM				111		Sep 22		115		Oct 4		31	
MAXIMUM PEAK FLOW								28200			31400		
MAXIMUM PEAK STAGE								29.31			Jan 6		
INSTANTANEOUS LOW FLOW											25		
ANNUAL RUNOFF (CFSM)				1.03				1.49			0.90		
ANNUAL RUNOFF (INCHES)				14.05				20.29			12.29		
10 PERCENT EXCEEDS				2390				3710			2500		
50 PERCENT EXCEEDS				652				703			406		
90 PERCENT EXCEEDS				150				151			97		

e Estimated.

**03264000 Greenville Creek near Bradford, Ohio**

LOCATION.—Latitude 40°06'08", longitude 84°25'48", in NW ¼ sec. 34, T.9N., R.4E., Miami County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on State Highway 721, 0.8 mi downstream from small left bank tributary, 1.8 mi south of Bradford, Ohio, and 6 mi upstream from mouth.

DRAINAGE AREA.—193 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1930 to September 2000, October 2000 to September 2002, recording crest-stage gage; October 2002 to September 2003.

REVISED RECORDS.—WSP 803: 1933(M). WSP 1235: 1936, 1937(M). WSP 1908: Drainage area. WDR OH-82-1: 1980.

GAGE.—Water-stage recorder. Datum of gage 948.9 ft above sea level. Prior to Oct. 1, 1942, nonrecording gage at same site and datum. Apr. 6, 1962 to Nov. 13, 1963, water-stage recorder at site 200 ft downstream at same datum.

REMARKS.—Records good except for periods of estimated record, which are poor. Some diurnal fluctuation caused by mill 8 mi upstream from station; daily flows are not affected appreciably. Sediment data formerly collected at this site.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in March 1913 reached a stage of 12.1 ft; discharge, 18,200 ft<sup>3</sup>/s, at site with drainage area of 213 mi<sup>2</sup>, computed by Miami Conservancy District.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	26	39	177	2120	e145	198	188	303	91	666	33	246	
2	27	82	181	949	e142	178	316	253	89	410	32	98	
3	28	182	183	1780	e136	170	476	219	91	215	32	62	
4	28	152	152	2980	e134	160	313	194	89	147	30	50	
5	27	120	128	e3900	e130	171	242	176	85	115	29	44	
6	27	89	113	5580	e125	225	199	165	80	98	28	41	
7	27	72	129	4420	346	236	218	156	75	80	30	37	
8	27	61	247	2630	1490	205	372	148	73	69	30	34	
9	27	53	204	1230	1220	171	252	139	92	62	29	35	
10	27	48	196	1130	815	154	197	137	100	58	28	42	
11	27	48	227	1300	488	151	171	136	112	54	30	39	
12	26	72	250	3390	356	147	160	179	88	51	46	34	
13	30	86	195	3470	320	134	157	171	239	52	46	31	
14	36	75	144	2680	493	124	142	231	283	55	51	30	
15	39	61	120	1650	690	119	126	430	170	53	42	29	
16	41	62	110	808	591	114	120	271	124	55	39	93	
17	34	58	99	577	759	114	118	200	102	54	37	138	
18	39	58	92	451	424	112	119	167	90	51	33	72	
19	46	66	e80	392	311	113	117	189	82	49	32	52	
20	43	133	e72	346	271	116	112	416	76	44	33	54	
21	38	131	e66	306	302	106	147	292	67	40	35	50	
22	35	96	e62	283	296	101	213	214	60	41	34	47	
23	35	84	e58	259	253	123	1410	183	57	43	31	44	
24	50	111	e56	e240	232	120	1950	158	56	42	30	238	
25	48	626	e54	e220	217	153	1100	138	56	39	28	247	
26	42	385	e51	e200	202	323	741	127	71	38	27	476	
27	40	235	e49	e190	186	277	1180	120	84	42	27	467	
28	44	201	e47	e180	187	344	669	115	238	43	26	223	
29	45	206	e46	e170	---	444	434	110	291	39	26	153	
30	45	162	149	e160	---	297	358	102	280	35	42	121	
31	42	---	1420	e150	---	232	---	97	---	33	439	---	
TOTAL	1096	3854	5157	44141	11261	5632	12317	5936	3491	2873	1435	3327	
MEAN	35.4	128	166	1424	402	182	411	191	116	92.7	46.3	111	
MAX	50	626	1420	5580	1490	444	1950	430	291	666	439	476	
MIN	26	39	46	150	125	101	112	97	56	33	26	29	
CFSM	0.18	0.67	0.86	7.38	2.08	0.94	2.13	0.99	0.60	0.48	0.24	0.57	
IN.	0.21	0.74	0.99	8.51	2.17	1.09	2.37	1.14	0.67	0.55	0.28	0.64	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931-2005, BY WATER YEAR (WY)													
MEAN	56.6	112	174	267	273	324	315	218	192	116	71.4	57.1	
MAX	496	724	772	1430	844	826	783	935	1142	610	723	690	
(WY)	1987	1994	1991	1937	1950	1963	1964	1933	1958	2003	1979	2003	
MIN	10.7	14.9	13.5	14.9	15.9	48.2	58.7	27.7	21.6	13.9	8.93	9.47	
(WY)	1964	1935	1964	1945	1935	1941	1935	1941	1934	1934	1988	1999	
SUMMARY STATISTICS													
ANNUAL TOTAL				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR		WATER YEARS 1931-2005			
ANNUAL MEAN				71612				100520					
HIGHEST ANNUAL MEAN				196				275		181			
LOWEST ANNUAL MEAN										302			
HIGHEST DAILY MEAN				3490				Jan 5		5580			
LOWEST DAILY MEAN				26				Sep 25		26			
ANNUAL SEVEN-DAY MINIMUM				27				Sep 25		27			
MAXIMUM PEAK FLOW								5870		Jan 6a			
MAXIMUM PEAK STAGE								9.84		Jan 6			
INSTANTANEOUS LOW FLOW								25		Aug 29			
ANNUAL RUNOFF (CFSM)				1.01				1.43		0.94			
ANNUAL RUNOFF (INCHES)				13.80				19.37		12.74			
10 PERCENT EXCEEDS				315				471		397			
50 PERCENT EXCEEDS				115				120		76			
90 PERCENT EXCEEDS				34				33		22			

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

## 03265000 Stillwater River at Pleasant Hill, Ohio

LOCATION.—Latitude 40°03'28", longitude 84°21'22", in SW ¼ sec. 18, T.7 N., R.5 E., Miami County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on Laurer Road, 0.8 mi northwest of Pleasant Hill, Ohio, 2 mi downstream from Painter Creek, 2 mi upstream from Canyon Run, and at mile 28.35.

DRAINAGE AREA.—503 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1916 to September 1928, October 1934 to current year. Monthly discharge only for some periods, published in WSP 1305.

Gage-height records collected at same site March 1922 to December 1963 are contained in reports of the National Weather Service.

REVISED RECORDS.—WSP 523: 1917. WSP 1305: 1920(M). WSP 1908: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 846.73 ft, National Geodetic Vertical Datum of 1912. Prior to Dec. 23, 1934, nonrecording gage at same site and datum.

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

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 25, 1913, reached a stage of 17.5 ft. Discharge at site about 3 mi upstream, 51,400 ft<sup>3</sup>/s, computed by Miami Conservancy District. This stage is not comparable with present gage heights because of failure of levee in 1913. Water-quality data formerly collected at this site.

## DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005, DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	34	63	e390	6320	e265	406	430	591	168	1130	46	486			
2	34	95	704	2670	e255	367	888	491	160	749	43	216			
3	32	376	456	5210	e240	334	1750	423	160	384	41	129			
4	34	324	346	9010	e245	322	783	374	159	270	40	92			
5	36	260	286	10900	e240	344	559	337	149	209	38	73			
6	35	191	247	16900	265	528	459	319	140	180	39	59			
7	34	146	258	10200	722	533	419	304	130	154	38	51			
8	34	120	594	5520	5170	447	728	288	127	136	39	45			
9	32	101	463	2960	3930	362	532	270	142	119	38	53			
10	32	86	458	2890	2380	320	416	260	132	110	36	100			
11	32	83	497	4050	1170	315	368	255	248	101	38	68			
12	33	102	518	11900	775	306	340	270	181	95	55	50			
13	37	148	421	9840	677	276	330	280	301	94	70	43			
14	48	140	317	7430	1400	245	296	303	523	99	88	40			
15	59	108	254	3810	1850	232	261	631	302	100	76	38			
16	63	e70	228	1790	1530	224	241	456	218	106	66	160			
17	53	e50	213	1160	2090	224	232	343	177	102	65	314			
18	59	e52	197	866	933	224	233	288	151	101	56	174			
19	91	e60	189	757	641	223	229	302	136	91	49	107			
20	71	e270	140	660	551	229	223	753	124	76	45	91			
21	60	e160	e110	563	652	216	268	574	114	69	55	97			
22	55	e130	e80	e490	666	202	388	410	103	69	49	84			
23	64	e110	72	432	547	249	4550	356	95	71	45	73			
24	75	e94	e70	e400	495	276	e4800	308	92	72	42	195			
25	93	e900	e66	e370	453	360	e4000	264	85	63	39	696			
26	100	e580	e63	e350	414	1290	e2500	241	93	59	37	1360			
27	77	e400	e60	e320	383	770	3390	224	124	66	40	1210			
28	69	e290	e58	315	389	1040	1550	212	e220	70	36	447			
29	69	e260	e110	e295	---	1270	902	200	e370	69	36	289			
30	81	e230	229	e285	---	707	714	189	552	57	77	228			
31	76	---	5000	e275	---	543	---	179	---	48	582	---			
TOTAL	1702	5999	13094	118938	29328	13384	32779	10695	5676	5119	2044	7068			
MEAN	54.9	200	422	3837	1047	432	1093	345	189	165	65.9	236			
MAX	100	900	5000	16900	5170	1290	4800	753	552	1130	582	1360			
MIN	32	50	58	275	240	202	223	179	85	48	36	38			
CFSM	0.11	0.40	0.84	7.63	2.08	0.86	2.17	0.69	0.38	0.33	0.13	0.47			
IN.	0.13	0.44	0.97	8.80	2.17	0.99	2.42	0.79	0.42	0.38	0.15	0.52			
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917-2005, BY WATER YEAR (WY)															
MEAN	148	293	449	654	710	902	835	489	470	281	148	132			
MAX	1338	1909	2437	3961	2177	2433	2513	1700	3334	1629	1823	2127			
(WY)	2002	1994	1991	1937	1950	1963	1922	1996	1958	2003	1979	1926			
MIN	11.7	19.3	16.0	21.5	44.0	79.8	131	44.6	33.7	22.2	14.1	14.9			
(WY)	1964	1964	1964	1977	1964	1941	1971	1941	1988	1977	1988	1954			
SUMMARY STATISTICS															
				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 1917-2005			
ANNUAL TOTAL				155770				245826							
ANNUAL MEAN				426				673				457			
HIGHEST ANNUAL MEAN												775			
LOWEST ANNUAL MEAN												99.3			
HIGHEST DAILY MEAN				11500				Jan 5				17400			
LOWEST DAILY MEAN				23				Sep 26				4.0			
ANNUAL SEVEN-DAY MINIMUM				25				Sep 23				8.1			
MAXIMUM PEAK FLOW								18700				26400			
MAXIMUM PEAK STAGE								17.22				18.46			
INSTANTANEOUS LOW FLOW								30				4.0			
ANNUAL RUNOFF (CFSM)				0.85				1.34				0.91			
ANNUAL RUNOFF (INCHES)				11.52				18.18				12.36			
10 PERCENT EXCEEDS				713				1160				1020			
50 PERCENT EXCEEDS				195				229				149			
90 PERCENT EXCEEDS				38				47				33			

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

**03266000 Stillwater River at Englewood, Ohio**

LOCATION.—Latitude 39°52'13", longitude 84°17'10", in NW ¼ sec. 23, T.5 N., R.5 E., Montgomery County, Hydrologic Unit 05080001, on right bank 1,000 ft upstream from Englewood Dam, 1 mi southeast of Englewood, Ohio, and at mile 8.5.

DRAINAGE AREA.—650 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1925 to current year (monthly discharge only, October 1925, published in WSP 1305).

REVISED RECORDS.—WSP 1908: Drainage area.

GAGE.—Water-stage recorder and concrete control. Datum of gage is 780.00 ft above sea level. Prior to Oct. 2003, site 2,000 ft downstream at datum 80.18 ft lower.

REMARKS.—Records fair except for periods of estimated record, which are poor. Flood flow regulated by Englewood retarding basin.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in Mar. 1913, reached a discharge of 85,400 ft<sup>3</sup>/s at site 1 mi downstream, computed by Miami Conservancy District.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	84	426	4770	e340	501	671	1030	260	1250	68	630
2	53	88	868	5380	e330	451	836	831	249	1260	71	317
3	53	191	573	4910	e330	407	2300	682	243	590	67	165
4	54	394	421	6140	326	393	1410	564	233	369	69	115
5	55	259	349	7470	321	412	922	490	227	274	64	84
6	59	192	305	9100	340	559	691	452	203	225	66	67
7	54	120	288	10000	609	753	579	429	197	192	61	64
8	41	80	471	10000	3560	645	835	407	184	171	51	58
9	40	58	571	9760	4890	496	839	379	190	143	60	62
10	42	45	472	9310	4540	424	561	354	189	130	58	76
11	42	45	523	8840	2640	408	462	337	256	114	68	96
12	44	62	542	9090	1320	388	422	343	285	109	84	80
13	48	60	496	9620	1060	357	424	388	361	103	64	63
14	59	100	392	9790	1350	316	386	555	676	105	79	62
15	69	75	317	9630	2420	291	344	904	491	114	101	57
16	64	54	279	9150	1830	281	314	810	349	102	96	375
17	63	49	266	8420	2670	277	297	521	277	107	83	356
18	85	49	250	7410	1590	276	288	417	243	92	75	286
19	75	60	233	6100	1030	273	296	448	210	110	60	167
20	84	112	187	4500	820	279	286	1130	186	96	60	171
21	66	354	176	1280	881	268	314	1090	185	96	54	136
22	55	238	e160	873	993	250	441	675	158	107	46	124
23	55	158	e150	704	802	295	2520	530	140	88	52	102
24	79	141	e140	e600	670	341	4800	456	138	83	51	273
25	66	1260	e133	e540	592	373	5140	393	132	76	45	792
26	95	1470	e128	e480	522	1440	4050	355	236	71	45	1290
27	110	688	e120	e430	471	1320	3780	333	e170	79	49	1900
28	91	487	e120	e400	470	1520	3110	313	e750	82	50	810
29	76	478	e170	e380	---	2210	1570	290	e1290	78	53	463
30	75	413	235	e360	---	1350	1250	288	897	83	97	357
31	81	---	2110	e350	---	935	---	267	---	78	337	---
TOTAL	1986	7864	11871	165787	37717	18489	40138	16461	9605	6577	2284	9598
MEAN	64.1	262	383	5348	1347	596	1338	531	320	212	73.7	320
MAX	110	1470	2110	10000	4890	2210	5140	1130	1290	1260	337	1900
MIN	40	45	120	350	321	250	286	267	132	71	45	57
CFSM	0.10	0.40	0.59	8.23	2.07	0.92	2.06	0.82	0.49	0.33	0.11	0.49
IN.	0.11	0.45	0.68	9.49	2.16	1.06	2.30	0.94	0.55	0.38	0.13	0.55

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926-2005, BY WATER YEAR (WY)**

MEAN	192	351	575	936	931	1131	1080	703	591	376	205	168
MAX	1815	2215	2495	5348	2840	3147	3015	2931	4244	2112	2438	1993
(WY)	2002	1973	1991	2005	1950	1963	1964	1933	1958	2003	1979	1926
MIN	15.6	27.3	27.9	28.6	63.0	111	180	61.1	52.2	30.0	19.7	17.9
(WY)	1964	1945	1945	1945	1964	1941	1941	1941	1934	1988	1988	1963

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1926-2005
ANNUAL TOTAL	215207	328377	
ANNUAL MEAN	588	900	601
HIGHEST ANNUAL MEAN			1027
LOWEST ANNUAL MEAN			130
HIGHEST DAILY MEAN	7580	10000	10000
LOWEST DAILY MEAN	38	40	4.8
ANNUAL SEVEN-DAY MINIMUM	44	44	9.7
MAXIMUM PEAK FLOW		10100	10100
MAXIMUM PEAK STAGE		51.70	51.70
INSTANTANEOUS LOW FLOW			3.7
ANNUAL RUNOFF (CFSM)	0.90	1.38	0.92
ANNUAL RUNOFF (INCHES)	12.32	18.79	12.57
10 PERCENT EXCEEDS	1410	1860	1450
50 PERCENT EXCEEDS	317	295	206
90 PERCENT EXCEEDS	63	60	44

e Estimated.

## 03266560 Mad River at West Liberty, Ohio

LOCATION.—Latitude 40°15'08", longitude 83°44'59", Logan County, Hydrologic Unit 05080001, on left bank upstream from the State Route 245 bridge, on east side of West Liberty, Ohio, 0.4 mi east of intersection of State Route 245 and State Route 68.

DRAINAGE AREA.—36.6 mi<sup>2</sup>.

PERIOD OF RECORD.—December 1993 to current year.

REVISED RECORDS.—WDR OH-04-1: 1995-2003 (P).

GAGE.—Water-stage recorder. Datum of gage is 1,078.00 ft above sea level.

REMARKS.—Records good except for periods of estimated record, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	26	48	178	63	75	e62	92	42	33	24	29
2	23	29	37	117	62	64	e196	87	43	31	24	24
3	23	32	32	430	63	71	178	81	43	30	23	22
4	24	39	29	320	67	64	109	77	42	31	22	21
5	23	34	27	616	64	69	92	74	41	30	21	20
6	23	30	27	602	68	113	81	71	40	30	21	19
7	23	27	29	207	114	170	78	70	39	30	20	19
8	22	26	31	204	303	112	74	67	39	31	19	18
9	22	25	30	189	174	81	70	65	38	29	19	17
10	22	25	31	198	129	71	66	63	42	29	20	17
11	22	25	33	371	94	69	63	61	48	27	21	16
12	22	26	32	1270	91	67	63	59	43	26	20	16
13	22	25	30	602	92	60	62	58	48	26	20	16
14	25	24	25	486	105	59	59	81	42	27	20	16
15	26	24	22	245	101	58	56	76	38	26	24	16
16	24	24	23	202	108	57	55	62	39	29	26	93
17	23	29	24	172	103	e58	54	57	37	28	22	39
18	26	36	25	147	80	56	54	54	36	27	21	25
19	27	31	24	147	74	60	53	60	37	27	21	21
20	24	29	20	139	89	66	53	81	36	26	21	20
21	24	26	22	125	128	59	87	60	33	25	21	18
22	23	25	26	122	101	56	74	55	32	25	20	18
23	24	24	24	109	83	96	320	54	36	24	19	72
24	26	33	e26	98	71	77	240	51	32	24	19	96
25	25	72	e24	100	66	97	193	49	32	27	19	66
26	23	38	e22	95	67	158	186	47	31	26	19	138
27	23	32	e21	79	64	99	201	46	30	27	19	68
28	23	34	e21	70	69	228	124	47	30	26	19	43
29	23	30	e22	74	---	e120	109	46	30	25	18	52
30	24	28	e27	72	---	e81	103	44	31	24	31	41
31	25	---	280	65	---	70	---	43	---	23	61	---
TOTAL	732	908	1094	7851	2693	2641	3215	1938	1130	849	694	1096
MEAN	23.6	30.3	35.3	253	96.2	85.2	107	62.5	37.7	27.4	22.4	36.5
MAX	27	72	280	1270	303	228	320	92	48	33	61	138
MIN	22	24	20	65	62	56	53	43	30	23	18	16
CFSM	0.65	0.83	0.96	6.92	2.63	2.33	2.93	1.71	1.03	0.75	0.61	1.00
IN.	0.74	0.92	1.11	7.98	2.74	2.68	3.27	1.97	1.15	0.86	0.71	1.11
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994-2005, BY WATER YEAR (WY)												
MEAN	25.9	28.8	39.2	62.5	48.6	54.8	71.4	70.9	60.4	39.5	28.6	29.2
MAX	45.3	62.6	81.2	253	96.2	86.6	133	140	138	102	58.3	79.2
(WY)	2004	2004	1997	2005	2005	1997	2002	1996	2004	2003	2003	2003
MIN	12.4	14.0	14.4	15.9	17.1	27.1	45.4	30.6	22.2	20.6	16.6	12.9
(WY)	2000	1995	2000	1995	1995	2000	1995	1999	1999	1994	1994	1999
SUMMARY STATISTICS												
				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1994-2005		
ANNUAL TOTAL				22435			24841					
ANNUAL MEAN				61.3			68.1			47.5		
HIGHEST ANNUAL MEAN										69.4		
LOWEST ANNUAL MEAN										28.5		
HIGHEST DAILY MEAN				997 Jun 14			1270 Jan 12			1270 Jan 12		
LOWEST DAILY MEAN				20 Dec 20			16 Sep 11			7.2 Jan 9		
ANNUAL SEVEN-DAY MINIMUM				22 Oct 7			16 Sep 9			7.7 Jan 3		
MAXIMUM PEAK FLOW							1690 Jan 12			1690 Jan 12		
MAXIMUM PEAK STAGE							8.85 Jan 12			8.85 Jan 12		
INSTANTANEOUS LOW FLOW										5.0 Jan 10		
ANNUAL RUNOFF (CFSM)				1.67			1.86			1.30		
ANNUAL RUNOFF (INCHES)				22.80			25.25			17.62		
10 PERCENT EXCEEDS				96			124			82		
50 PERCENT EXCEEDS				50			38			32		
90 PERCENT EXCEEDS				24			21			16		

e Estimated.

**03267000 Mad River near Urbana, Ohio**

LOCATION.—Latitude 40°06'27", longitude 83°47'57", on west line of sec. 35, T.5.E., R.11.N., Champaign County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on U.S. Highway 36, 1.8 mi upstream from Dugan Run, 1.8 mi downstream from Muddy Creek, 2.5 mi west of Urbana, Ohio, and at mile 39.7.

DRAINAGE AREA.—162 mi<sup>2</sup>.

PERIOD OF RECORD.—September 1925 to September 1931, August 1939 to September 1998, October 1998 to September 2002, recording crest-stage gage; October 2002 to current year.

REVISED RECORDS.—WSP 1305; 1930(M), WSP 1505: 1956. WSP 1625: 1929. WSP 1908: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 985.22 ft above sea level. Prior to May 18, 1930, nonrecording gage at same site and datum. May 18, 1930 to Sept. 30, 1931, nonrecording gage at site 600 ft downstream at datum 0.36 ft lower. Aug. 1 to Sept. 25, 1939, nonrecording gage at present site and datum.

REMARKS.—Records fair except for periods of estimated record, which are poor. Sediment data formerly collected at this site.

COOPERATION.—Base data furnished by Miami Conservancy District.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	86	141	487	282	284	283	356	196	159	94	121
2	92	90	139	305	274	270	540	327	195	152	96	109
3	93	94	123	964	268	260	586	312	192	148	94	106
4	94	103	115	1020	262	255	375	297	189	142	92	105
5	93	108	109	1750	264	268	329	287	185	138	93	104
6	92	96	104	2930	265	324	307	278	181	136	95	104
7	89	92	108	870	319	431	298	274	176	134	95	104
8	89	89	112	813	701	333	284	262	173	134	95	104
9	86	88	109	677	544	282	272	256	171	131	95	107
10	84	87	111	624	456	268	263	252	170	129	94	106
11	83	88	112	869	383	266	255	244	183	124	97	104
12	85	90	111	2840	359	261	250	239	184	123	94	103
13	86	87	108	1300	346	250	247	235	193	122	92	106
14	87	86	100	1400	368	244	234	273	187	118	95	106
15	94	87	97	728	377	241	227	276	185	112	100	105
16	89	89	96	609	375	237	222	244	182	113	103	254
17	83	89	95	537	384	236	221	233	177	111	100	216
18	88	112	96	493	324	228	218	226	175	109	99	133
19	94	105	96	478	302	228	214	239	175	112	99	123
20	90	103	102	452	305	235	212	326	175	107	96	125
21	88	99	95	427	364	226	277	261	173	108	94	125
22	88	97	100	414	328	221	258	246	168	108	91	125
23	88	95	89	386	301	259	850	241	164	108	90	155
24	96	100	114	370	286	250	741	230	161	107	91	449
25	92	158	e100	363	276	269	609	223	e160	108	90	445
26	90	125	e90	352	273	415	519	217	e160	108	90	515
27	89	113	e86	321	265	305	665	213	e160	105	94	363
28	87	115	e82	307	269	e460	450	212	e155	104	93	272
29	83	111	e90	307	---	438	404	208	154	103	94	256
30	85	107	107	303	---	343	385	203	155	101	107	230
31	85	---	600	291	---	305	---	200	---	97	155	---
TOTAL	2756	2989	3737	23987	9520	8892	10995	7890	5254	3711	3007	5380
MEAN	88.9	99.6	121	774	340	287	366	255	175	120	97.0	179
MAX	96	158	600	2930	701	460	850	356	196	159	155	515
MIN	83	86	82	291	262	221	212	200	154	97	90	103
CFSM	0.55	0.62	0.74	4.78	2.10	1.77	2.26	1.57	1.08	0.74	0.60	1.11
IN.	0.63	0.69	0.86	5.51	2.19	2.04	2.52	1.81	1.21	0.85	0.69	1.24
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926-2005, BY WATER YEAR (WY)												
MEAN	86.5	103	133	187	204	226	224	194	168	138	105	91.1
MAX	355	315	473	774	523	567	486	620	507	454	302	319
(WY)	1987	1973	1991	2005	1950	1963	1948	1996	1947	1993	1995	2003
MIN	29.3	29.7	27.8	36.7	33.8	65.3	90.7	61.7	59.3	41.8	35.8	30.3
(WY)	1964	1964	1964	1964	1964	1992	1953	1941	1962	1954	1963	1963
SUMMARY STATISTICS												
ANNUAL TOTAL				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1926-2005		
ANNUAL MEAN				77523			88118					
HIGHEST ANNUAL MEAN				212			241			155		
LOWEST ANNUAL MEAN										248		
HIGHEST DAILY MEAN				1560			2930			58.1		
LOWEST DAILY MEAN				82			82			24		
ANNUAL SEVEN-DAY MINIMUM				86			86			25		
MAXIMUM PEAK FLOW							4100			8000		
MAXIMUM PEAK STAGE							8.90			12.05		
INSTANTANEOUS LOW FLOW										24		
ANNUAL RUNOFF (CFSM)				1.31			1.49			0.96		
ANNUAL RUNOFF (INCHES)				17.80			20.23			12.99		
10 PERCENT EXCEEDS				335			434			277		
50 PERCENT EXCEEDS				194			168			112		
90 PERCENT EXCEEDS				90			90			52		

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

## 03267900 Mad River at St. Paris Pike at Eagle City, Ohio

LOCATION.—Latitude 39°57'51", longitude 83°49'54", in W ½ sec. 1, R.10, T.4, Clark County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on St. Paris Pike, 0.8 mi southeast of Eagle City, Ohio, 1.1 mi downstream from Moore Run, 3.1 mi upstream from Buck Creek, 3.3 mi south of Tremont City, Ohio, and at mile 29.5.

DRAINAGE AREA.—310 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1965 to September 1996, October 1998 to current year.

GAGE.—Water-stage recorder. Datum of gage is 904.66 ft above sea level.

REMARKS.—Records fair except for periods of estimated record, which are poor. Recharge to well field largely by induced infiltration from Mad River and Moore Run. Pumpage averaging 17.1 ft<sup>3</sup>/s in 2005, is returned as sewage 1.4 mi upstream from gaging station near Springfield (station 03269500). Satellite telemeter at station operated for U.S. Army Corps of Engineers. Water-quality data formerly collected at this site.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in Mar. 1913, reached a stage of 19.8 ft, from data furnished by Miami Conservancy District. Flood of Jan. 21, 1959, reached a stage of 15.7 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	151	253	1090	451	453	498	691	315	270	157	171
2	158	157	268	605	438	422	1090	627	313	236	157	149
3	156	168	229	2920	430	402	e1220	580	310	227	154	141
4	157	183	210	2630	416	399	e740	542	302	222	153	137
5	155	193	198	4950	417	423	635	511	299	220	156	136
6	153	177	193	6570	435	571	560	489	295	216	156	134
7	152	170	199	1940	655	718	531	473	289	211	153	133
8	152	163	208	1800	1610	554	495	452	292	208	148	132
9	150	161	202	1270	1180	447	462	437	288	204	147	138
10	149	160	209	1030	957	416	439	430	279	198	145	132
11	149	166	208	1990	706	408	420	424	292	197	148	128
12	149	176	201	6100	613	394	412	437	282	195	148	129
13	152	164	196	3050	580	369	406	407	298	196	145	128
14	151	159	187	3190	672	357	e380	567	282	199	151	127
15	167	162	180	1640	700	345	360	560	270	200	153	129
16	158	164	177	1340	702	339	350	470	264	200	158	545
17	153	161	176	1160	711	337	344	435	260	197	150	396
18	167	180	174	1030	564	326	341	412	257	190	145	204
19	172	188	174	961	505	328	331	486	253	192	144	175
20	159	188	166	887	500	336	326	805	250	186	145	e170
21	152	183	167	811	651	322	431	506	246	185	143	166
22	151	180	172	771	569	315	415	448	242	184	140	157
23	152	178	164	683	504	400	1960	428	238	178	139	178
24	169	188	e188	648	474	387	1770	402	237	176	137	501
25	157	249	e165	633	444	440	1440	382	252	173	136	616
26	153	229	e150	608	434	810	1220	369	248	181	135	795
27	157	205	e140	547	415	530	1520	357	236	177	143	545
28	152	210	e130	513	427	1450	995	354	235	175	136	370
29	153	204	e130	510	---	1050	822	341	234	171	138	352
30	154	199	168	498	---	697	785	335	256	165	176	322
31	150	---	1520	471	---	571	---	325	---	161	252	---
TOTAL	4820	5416	7102	52846	17160	15316	21698	14482	8114	6090	4688	7536
MEAN	155	181	229	1705	613	494	723	467	270	196	151	251
MAX	172	249	1520	6570	1610	1450	1960	805	315	270	252	795
MIN	149	151	130	471	415	315	326	325	234	161	135	127
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-2005, BY WATER YEAR (WY)												
MEAN	185	239	329	377	405	435	460	407	336	297	218	184
MAX	765	689	1020	1705	946	778	837	781	788	863	712	633
(WY)	1987	1973	1991	2005	1975	1978	2002	1990	1980	1993	1995	2003
MIN	82.3	111	106	89.8	133	157	196	146	132	93.3	88.1	88.8
(WY)	1989	1995	1977	1977	1992	1983	1971	1988	1988	1988	1988	1988
SUMMARY STATISTICS												
				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1966-2005		
ANNUAL TOTAL				142980			165268					
ANNUAL MEAN				391			453			322		
HIGHEST ANNUAL MEAN										468		
LOWEST ANNUAL MEAN										166		
HIGHEST DAILY MEAN				4280			6570			6570		
LOWEST DAILY MEAN				130			127			60		
ANNUAL SEVEN-DAY MINIMUM				150			130			62		
MAXIMUM PEAK FLOW							8690			9700		
MAXIMUM PEAK STAGE							16.95			16.95		
INSTANTANEOUS LOW FLOW							127			60		
10 PERCENT EXCEEDS				631			807			573		
50 PERCENT EXCEEDS				332			253			230		
90 PERCENT EXCEEDS				160			149			121		

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.



### 03269500 Mad River near Springfield, Ohio

LOCATION.—Latitude 39°55'23", longitude 83°52'13", in NW ¼ sec. 16, R.9, T.4, Clark County, Hydrologic Unit 05080001, on right bank 150 ft downstream from Rock Run, 300 ft downstream from bridge on Lower Valley Pike, 2 mi downstream from Buck Creek, 3 mi west of Springfield, Ohio, and at mile 24.1.

DRAINAGE AREA.—490 mi<sup>2</sup>.

PERIOD OF RECORD.—January 1904 to March 1906 (fragmentary), February 1914 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.—WSP 603: 1924. WSP 823: 1929(M). WSP 1305: 1914(M), 1916-17(M), 1922-23(M), 1925(M). WSP 1625: 1924(M). WSP 1908: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 881.42 ft National Geodetic Vertical Datum of 1912. Jan. 1, 1904-Mar. 31, 1906, nonrecording gage at site 0.3 mi downstream at different datum; Feb. 1, 1914-Feb. 29, 1924, nonrecording gage at site 1.8 mi upstream at datum 6.39 ft higher; Mar. 1, 1924-July 31, 1925, nonrecording gage at site 300 ft upstream at same datum.

REMARKS.—Records good except for periods of estimated record, which are poor. Some regulation by C.J. Brown Reservoir, 8.3 mi upstream on Buck Creek, since 1972. Occasional low-flow regulation by powerplant 2.3 mi upstream; daily flows are not affected appreciably. Water-quality data formerly collected at this site.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 30,500 ft<sup>3</sup>/s Jan. 21, 1959, gage height, 15.76 ft, from rating curve extended above 14,000 ft<sup>3</sup>/s on basis of slope-area and contracted opening measurements of peak flow; minimum daily discharge, 30 ft<sup>3</sup>/s Sept. 15, 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 25, 1913, reached a stage of 16.9 ft, present datum; discharge, 55,400 ft<sup>3</sup>/s computed by Miami Conservancy District.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	288	320	488	1790	714	704	885	1010	518	621	248	397
2	286	371	454	1190	698	670	1550	875	513	449	245	350
3	288	355	388	3800	693	662	1780	826	510	407	243	305
4	297	410	361	3810	711	660	1090	788	497	335	239	248
5	304	391	341	6460	748	698	914	729	492	339	240	244
6	302	360	345	10600	714	833	806	714	483	325	239	234
7	278	336	390	2980	927	955	754	671	458	317	231	224
8	248	325	392	2420	2100	821	692	648	499	314	226	222
9	248	310	387	2170	1640	709	642	631	491	308	223	236
10	246	288	404	2170	1370	678	607	621	464	300	218	218
11	245	333	392	3560	980	657	585	650	483	e290	219	211
12	247	355	368	8700	881	633	577	713	454	e290	217	213
13	257	343	338	3700	916	608	568	669	507	e300	209	212
14	250	344	314	4230	947	591	538	1050	455	317	214	210
15	309	381	303	2450	1050	562	520	1060	429	317	226	217
16	276	395	300	2080	1030	503	503	854	417	399	231	811
17	282	392	293	1880	955	498	496	762	408	411	221	708
18	394	406	285	1830	822	487	491	654	390	381	213	382
19	345	428	282	1850	763	497	488	885	371	367	212	364
20	326	418	264	1790	766	501	481	1810	365	299	210	403
21	316	393	274	1730	892	485	571	1100	358	296	213	324
22	311	360	281	1690	825	481	628	914	350	362	214	310
23	344	352	260	1620	761	685	2460	853	332	282	212	327
24	359	392	320	1580	733	618	2340	768	332	274	209	688
25	332	442	289	1430	705	686	1930	633	407	272	206	855
26	325	424	e240	1090	692	1070	1610	603	378	277	204	1080
27	331	402	e220	892	663	826	1920	581	423	288	219	822
28	323	422	e210	835	676	2210	1450	574	436	273	210	608
29	322	396	e210	775	---	1620	1260	554	391	262	208	595
30	322	394	402	763	---	1150	1100	544	587	256	412	541
31	306	---	2100	736	---	984	---	532	---	253	551	---
TOTAL	9307	11238	11895	82601	25372	23742	30236	24276	13198	10181	7382	12559
MEAN	300	375	384	2665	906	766	1008	783	440	328	238	419
MAX	394	442	2100	10600	2100	2210	2460	1810	587	621	551	1080
MIN	245	288	210	736	663	481	481	532	332	253	204	210
CFSM	0.61	0.76	0.78	5.44	1.85	1.56	2.06	1.60	0.90	0.67	0.49	0.85
IN.	0.71	0.85	0.90	6.27	1.93	1.80	2.30	1.84	1.00	0.77	0.56	0.95
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974-2005, BY WATER YEAR (WY)												
MEAN	364	430	543	662	674	701	725	706	601	489	357	347
MAX	1081	904	1583	2665	1409	1279	1174	2106	1371	1284	947	1279
(WY)	1987	1986	1991	2005	1975	1978	1996	1996	1980	1993	1979	1979
MIN	176	190	188	189	235	251	312	240	174	189	162	177
(WY)	1989	2000	1977	1977	1992	1983	1976	1988	1988	1988	1988	1977
SUMMARY STATISTICS				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR			WATER YEARS 1974-2005	
ANNUAL TOTAL				238128				261987				
ANNUAL MEAN				651				718			549	
HIGHEST ANNUAL MEAN											792	
LOWEST ANNUAL MEAN											279	
HIGHEST DAILY MEAN				8000				Jan 5			10600	
LOWEST DAILY MEAN				210				Dec 28			100	
ANNUAL SEVEN-DAY MINIMUM				249				Oct 8			210	
MAXIMUM PEAK FLOW								12400			12400	
MAXIMUM PEAK STAGE								12.26			12.26	
INSTANTANEOUS LOW FLOW											100	
ANNUAL RUNOFF (CFSM)				1.33				1.46			1.12	
ANNUAL RUNOFF (INCHES)				18.08				19.89			15.23	
10 PERCENT EXCEEDS				1180				1490			1000	
50 PERCENT EXCEEDS				496				436			397	
90 PERCENT EXCEEDS				282				238			220	

e Estimated.

**03270000 Mad River near Dayton, Ohio**

LOCATION.—Latitude 39°47'50", longitude 84°05'19", in SW ¼ sec. 7, R. 8, T.2, Greene County, Hydrologic Unit 05080001, on left bank in retarding basin 300 ft upstream from Huffman Dam, 2.3 mi downstream from Mud Run, 6.2 mi northeast of Dayton, Ohio, and at mile 6.1.

DRAINAGE AREA.—635 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1914 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.—WSP 453: 1915. WSP 743: 1929-32. WSP 1305: 1916(M), 1925(M) 1930-32(M). WSP 1908: Drainage area. WDR-OH-82-1: 1980.

GAGE.—Water-stage recorder. Datum of gage is 777.06 ft, National Geodetic Vertical Datum of 1912. Jan. 21, 1959-Dec. 14, 1967, at site 900 ft downstream at datum 77.01 ft lower. See WSP 1725 for history of changes prior to Jan. 21, 1959. Water-quality data collected at this site 1947-1948, 1962-1963, 1966-1980.

REMARKS.—Records good except for periods of estimated record, which are poor.. Flood flows affected by backwater from Huffman retarding dam beginning in 1921, some regulation by C. J. Brown Reservoir 26 mi upstream on Buck Creek since 1974. Water-quality data was formerly collected on left bank 900 ft downstream.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 21,200 ft<sup>3</sup>/s Jan. 22, 1959 (based on Huffman retarding basin outflow records); maximum gage height, 87.9 ft Feb. 26, 1929, at site and datum then in use; minimum daily discharge, 94 ft<sup>3</sup>/s Aug. 6, 1934, but may have been less during 1921-1924.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 25, 1913, reached a stage of 14.0 ft, original site and datum; discharge 75,700 ft<sup>3</sup>/s, computed by Miami Conservancy District.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	331	344	540	3040	955	928	1180	1420	668	e800	318	516		
2	328	370	537	1660	923	870	1750	1200	656	679	308	434		
3	326	402	484	3770	915	854	2810	1110	651	574	301	405		
4	335	468	441	6470	918	842	1610	1050	634	486	293	333		
5	349	434	417	6030	960	880	1280	968	623	464	295	313		
6	366	402	408	10700	973	1050	1120	941	616	445	301	305		
7	347	370	443	8750	1180	1190	1040	875	595	428	291	279		
8	339	357	481	3910	2750	1090	957	845	579	417	276	275		
9	317	345	462	3280	2370	928	879	811	654	406	269	293		
10	304	311	483	3080	2030	869	826	790	583	398	263	284		
11	297	330	e470	3590	1440	847	797	765	594	390	292	262		
12	297	435	451	9150	1240	810	777	980	573	385	306	256		
13	311	385	423	e6000	1230	772	771	871	735	388	259	256		
14	336	370	394	e5100	1280	737	721	1270	588	404	256	250		
15	344	395	373	e4000	1450	714	690	1570	542	396	268	250		
16	370	411	362	e3000	1390	632	658	1180	517	e455	277	805		
17	394	407	358	e2600	e1340	612	650	1030	502	e510	272	998		
18	412	434	342	e2400	1130	601	647	898	487	e500	254	494		
19	445	451	340	2410	1030	604	636	937	462	e480	251	444		
20	389	465	317	2320	1010	630	633	2800	451	e295	248	533		
21	366	444	323	2230	1140	595	704	1660	433	549	255	423		
22	355	405	334	2160	1120	585	870	1300	433	543	248	396		
23	362	392	325	2040	1010	874	2490	1170	417	414	247	379		
24	436	411	341	1980	972	851	3710	1080	405	381	243	602		
25	387	465	407	1920	931	844	2840	899	410	367	241	1110		
26	370	463	e350	1530	904	1370	2150	810	517	361	264	e1400		
27	369	429	e300	1230	866	1130	2820	776	479	367	250	e1000		
28	365	455	e260	1140	862	2710	1970	759	e496	361	258	782		
29	359	433	e250	1050	---	2770	1790	731	e540	340	245	696		
30	358	e425	477	1030	---	1680	1460	714	e770	330	453	670		
31	343	---	2300	993	---	1370	---	696	---	324	848	---		
TOTAL	11007	12208	14193	108563	34319	31239	41236	32906	16610	13637	9150	15443		
MEAN	355	407	458	3502	1226	1008	1375	1061	554	440	295	515		
MAX	445	468	2300	10700	2750	2770	3710	2800	770	800	848	1400		
MIN	297	311	250	993	862	585	633	696	405	295	241	250		
CFSM	0.56	0.64	0.72	5.52	1.93	1.59	2.16	1.67	0.87	0.69	0.46	0.81		
IN.	0.64	0.72	0.83	6.36	2.01	1.83	2.42	1.93	0.97	0.80	0.54	0.90		
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974-2005, BY WATER YEAR (WY)														
MEAN	440	536	709	867	893	940	972	939	774	614	444	423		
MAX	1425	1175	2027	3502	1839	1637	1609	2885	1745	1525	1235	1528		
(WY)	1987	1986	1991	2005	1975	1978	2002	1996	1981	1993	1979	1979		
MIN	198	188	208	239	287	344	444	268	192	211	172	178		
(WY)	2000	2000	2000	1977	1992	1983	1976	1988	1988	1988	1988	1999		
SUMMARY STATISTICS														
				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 1974-2005		
ANNUAL TOTAL				307991				340511						
ANNUAL MEAN				842				933				712		
HIGHEST ANNUAL MEAN												1029	1996	
LOWEST ANNUAL MEAN												336	1988	
HIGHEST DAILY MEAN				10200		Jan 5		10700		Jan 6		2005		
LOWEST DAILY MEAN				250		Dec 29		241		Aug 25		1988		
ANNUAL SEVEN-DAY MINIMUM				314		Oct 8		248		Aug 19		1988		
MAXIMUM PEAK FLOW								11600				11600	2005	
MAXIMUM PEAK STAGE								19.22				19.22		2005
INSTANTANEOUS LOW FLOW												112		1988
ANNUAL RUNOFF (CFSM)				1.33				1.47				1.12		
ANNUAL RUNOFF (INCHES)				18.04				19.95				15.23		
10 PERCENT EXCEEDS				1680				1970				1330		
50 PERCENT EXCEEDS				655				542				506		
90 PERCENT EXCEEDS				336				296				255		

e Estimated.

**03270500 Great Miami River at Dayton, Ohio**

LOCATION.—Latitude 39°45'55", longitude 84°11'51", in sec. 10, R.7, T.1, Montgomery County, Hydrologic Unit 05080002, on left bank 1,000 ft downstream from Main Street bridge in Dayton, Ohio, 0.7 mi upstream from Wolf Creek, 0.8 mi downstream from Mad River, and at mile 80.

DRAINAGE AREA.—2,511 mi<sup>2</sup>.

PERIOD OF RECORD.—April to September 1905, January to September 1906, January 1907 to December 1909 (gage heights only), April 1913 to current year. Monthly discharge only for October 1919 to September 1921, published in WSP 1305. Gage-height records collected at Main Street bridge since January 1892 are contained in reports of National Weather Service. Prior to October 1962, published as Miami River at Dayton.

REVISED RECORDS.—WSP 1385: 1917. WSP 1908: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 700 ft, National Geodetic Vertical Datum of 1912 (as requested by cooperator, 699.71 ft adjustment of 1929). Prior to Oct. 1, 1921, nonrecording gage at Main Street bridge at datum 23.73 ft higher; Oct. 1, 1921-July 24, 1931, nonrecording gage at Main Street bridge at datum 21.00 ft higher.

REMARKS.—Records good except for periods of estimated record, which are poor. Flood flow regulated by four retarding basins upstream from station beginning in 1920 on Mad River 6.5 mi upstream, on Stillwater River 10.5 mi upstream, on Great Miami River 11.5 mi upstream, and on Loramie Creek 40 mi upstream. Also see REMARKS for stations 03261500, 03261950, and 03269500. Much of the flow is diverted to the Little Miami River Basin through the Dayton sewer systems. Sediment data formerly collected at this site. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 60,900 ft<sup>3</sup>/s Jan. 22, 1959, gage height, 36 ft Jan. 22, 1959; minimum discharge 109 ft<sup>3</sup>/s Aug. 8, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 26, 1913, reached a stage of 29.0 ft, site and datum then in use; discharge, 250,000 ft<sup>3</sup>/s, computed by Miami Conservancy District.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	499	2290	17800	2340	2480	3750	4730	1290	4830	532	2820
2	477	531	3560	16100	2200	2390	4570	3830	1230	3760	498	2260
3	450	648	2970	17000	2150	2320	10100	3210	1200	2350	460	1550
4	437	1580	2240	25000	2130	2310	7230	2780	1160	1570	428	1000
5	435	1510	1790	30300	2150	2390	5090	2460	1140	1210	469	713
6	436	1520	1510	42000	2250	3160	3940	2270	1100	1060	503	588
7	429	1110	1510	41600	3000	e4300	3400	2110	1040	945	443	514
8	393	855	1790	30700	12200	4300	3250	2030	1040	859	424	465
9	380	781	2290	24400	15500	3510	3100	1930	1220	747	414	461
10	367	732	2060	18900	14100	2910	2610	1840	1080	712	405	438
11	367	750	2120	18700	10000	2580	2280	1750	1040	664	402	452
12	419	897	2140	29900	6570	2360	2130	1990	1190	653	471	460
13	396	738	2040	35800	5300	2210	2100	1860	1950	643	336	412
14	412	831	1690	33500	5440	2040	1980	3140	1860	649	406	375
15	465	831	1440	28800	8170	1900	1890	3910	1680	651	404	360
16	447	741	1240	23400	6960	1740	1700	3360	1310	854	422	2950
17	447	698	1080	17200	8710	1640	1610	2600	1130	981	439	2930
18	449	728	1030	14300	6540	1590	1530	2160	1040	787	409	2060
19	449	857	981	12700	4690	1600	1510	2370	939	804	393	1290
20	519	1340	811	10600	3950	1670	1470	5430	861	711	363	1320
21	563	2000	802	6560	4130	1580	1600	4590	832	1000	372	930
22	532	1630	902	5340	4690	1560	2460	3340	770	1050	333	775
23	562	1300	620	4610	4100	2200	8650	2710	717	734	313	670
24	677	1200	e580	4180	3620	2300	17700	2360	694	634	311	1250
25	593	3600	e560	4370	3250	2530	16400	2090	769	610	304	5270
26	567	5810	e540	3810	2960	5530	12800	1870	944	631	336	6860
27	589	3850	e535	3160	2790	5990	12800	1690	900	595	366	8700
28	584	2840	e530	2710	2630	8040	10600	1580	1200	577	359	5780
29	550	2430	e530	2670	---	10200	7110	1460	1680	768	348	3740
30	533	2140	1280	2650	---	6470	5600	1450	2350	721	876	3020
31	510	---	7750	2480	---	4740	---	1370	---	607	1930	---
TOTAL	14931	44977	51211	531240	152520	100540	160960	80270	35356	33367	14469	60413
MEAN	482	1499	1652	17140	5447	3243	5365	2589	1179	1076	467	2014
MAX	677	5810	7750	42000	15500	10200	17700	5430	2350	4830	1930	8700
MIN	367	499	530	2480	2130	1560	1470	1370	694	577	304	360
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974-2005, BY WATER YEAR (WY)												
MEAN	1087	1739	2708	3457	3612	4087	4004	3167	2688	2133	1167	973
MAX	5792	6233	9210	17140	8926	10140	8184	11030	7357	8483	5727	5692
(WY)	1987	1994	1991	2005	1975	1978	2002	1996	1981	2003	1979	2003
MIN	232	236	296	270	636	890	1069	583	259	299	196	175
(WY)	2000	2000	1977	1977	1992	1992	1976	1988	1988	1977	1988	1999
SUMMARY STATISTICS				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1974-2005		
ANNUAL TOTAL				938255			1280254					
ANNUAL MEAN				2564			3508			2563		
HIGHEST ANNUAL MEAN										3765		
LOWEST ANNUAL MEAN										881		
HIGHEST DAILY MEAN				32000			42000			42000		
LOWEST DAILY MEAN				367			304			111		
ANNUAL SEVEN-DAY MINIMUM				391			332			125		
MAXIMUM PEAK FLOW							45800			45800		
MAXIMUM PEAK STAGE							34.33			34.33		
INSTANTANEOUS LOW FLOW										111		
10 PERCENT EXCEEDS				5200			7870			5910		
50 PERCENT EXCEEDS				1600			1590			1330		
90 PERCENT EXCEEDS				514			439			386		

e Estimated.

## 03271000 Wolf Creek at Dayton, Ohio

LOCATION.—Latitude 39°46'00", longitude 84°14'10", Montgomery County, Hydrologic Unit 05080002, on right bank at West Riverview Avenue bridge in Dayton, Ohio, and 1.8 mi upstream from mouth.

DRAINAGE AREA.—68.7 mi<sup>2</sup>.

PERIOD OF RECORD.—September 1938 to September 1950, October 1953 to September 1973 (low-flow partial-records site), October 1986 to September 1996, October 1997 to September 2002 (recording crest-stage gage), October 2002 to current year.

REVISED RECORDS.—WDR OH-90-1: 1989 (p).

GAGE.—Water-stage recorder. Datum of gage is 739.83 ft above sea level. Prior to 1950, recording gage at same location at datum 39.83 ft lower.

REMARKS.—Records fair except for periods of estimated record, which are poor.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum discharge during flood in January 1959, about 12,800 ft<sup>3</sup>/s at gage height 13.1 ft, computed by Miami Conservancy District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	16	122	355	43	63	67	79	29	110	8.9	28
2	8.9	29	63	224	42	50	180	66	26	35	8.9	16
3	8.7	27	44	1620	43	46	134	57	25	23	8.5	11
4	8.8	79	34	659	43	45	85	51	24	19	7.9	10
5	8.8	42	29	2920	51	50	e73	47	23	16	8.2	10
6	8.5	25	29	1710	76	49	60	45	21	15	8.9	11
7	8.4	19	74	337	191	49	67	43	19	14	9.2	9.3
8	8.5	17	69	453	463	46	55	41	18	13	8.5	9.2
9	8.5	16	52	217	203	40	49	37	18	15	8.8	27
10	8.2	15	60	154	139	38	45	36	17	12	9.4	13
11	8.1	44	71	1190	97	39	43	38	16	12	8.5	10
12	8.7	82	55	964	80	39	46	46	22	13	12	10
13	12	36	43	713	76	37	52	35	130	12	8.3	9.0
14	15	26	33	505	129	34	39	166	42	13	8.4	8.6
15	21	e24	28	183	107	33	35	104	29	14	9.9	8.5
16	11	e22	26	136	134	31	33	60	26	70	12	335
17	8.6	e21	25	106	97	31	31	48	22	35	9.5	52
18	97	23	23	87	74	30	32	42	18	17	8.7	26
19	44	48	e19	84	63	40	30	220	15	16	9.4	21
20	21	76	16	77	69	40	29	246	15	12	10	70
21	16	44	e15	70	83	32	34	90	14	11	9.8	31
22	13	32	e14	69	67	31	105	65	12	33	8.9	21
23	28	30	13	57	59	97	621	55	11	15	7.9	17
24	33	47	23	56	58	59	249	46	12	11	7.6	17
25	18	81	20	58	54	93	146	40	16	11	7.6	17
26	15	44	e18	60	52	131	257	36	14	10	7.8	86
27	14	39	e17	50	49	80	217	34	12	14	7.8	43
28	15	56	e16	44	56	564	110	32	15	12	7.4	25
29	14	38	30	48	---	199	85	31	24	10	8.1	27
30	14	41	131	50	---	113	103	47	55	9.5	128	19
31	16	---	1060	46	---	85	---	42	---	9.0	101	---
TOTAL	529.0	1139	2272	13302	2698	2314	3112	2025	740	631.5	485.8	997.6
MEAN	17.1	38.0	73.3	429	96.4	74.6	104	65.3	24.7	20.4	15.7	33.3
MAX	97	82	1060	2920	463	564	621	246	130	110	128	335
MIN	8.1	15	13	44	42	30	29	31	11	9.0	7.4	8.5

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-2005, BY WATER YEAR (WY)

MEAN	18.7	37.4	66.8	108	96.6	103	119	98.9	77.1	42.0	24.7	18.9
MAX	116	115	367	429	251	280	313	345	299	182	155	98.1
(WY)	1987	1994	1991	2005	1990	1945	1996	1996	1945	2003	1995	1950
MIN	2.42	2.23	1.98	3.03	14.7	12.6	15.3	5.95	8.18	3.35	3.56	2.04
(WY)	1945	1945	1945	1945	1944	1941	1941	1941	1988	1944	1948	1944

## SUMMARY STATISTICS

## FOR 2004 CALENDAR YEAR

## FOR 2005 WATER YEAR

## WATER YEARS 1939-2005

ANNUAL TOTAL	32537.9	30245.9		
ANNUAL MEAN	88.9	82.9		68.5
HIGHEST ANNUAL MEAN				123
LOWEST ANNUAL MEAN				16.1
HIGHEST DAILY MEAN	3290	Jan 4	2920	Jan 5
LOWEST DAILY MEAN	5.6	Aug 13	7.4	Aug 28
ANNUAL SEVEN-DAY MINIMUM	5.8	Aug 13	7.7	Aug 23
MAXIMUM PEAK FLOW			4180	Jan 5a
MAXIMUM PEAK STAGE			7.86	Jan 5
INSTANTANEOUS LOW FLOW				0.80
10 PERCENT EXCEEDS	141		131	133
50 PERCENT EXCEEDS	35		33	24
90 PERCENT EXCEEDS	9.9		9.1	5.4

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.

e Estimated.

e Estimated.

### 03271510 Great Miami River near Linden Avenue at Miamisburg, Ohio

LOCATION.—Latitude 39°38'14", longitude 84°17'33", Montgomery County, Hydrologic Unit 05080002, on left bank at Miamisburg, 1 mi downstream from Bear Creek, 0.6 mi downstream from discharge station at Miamisburg, 0.65 mi downstream from discharge station below Miamisburg, and at mile 65.75.

DRAINAGE AREA.—2,713 mi<sup>2</sup>.

### Water-Quality Records

PERIOD OF RECORD.—June 1978 to current year.

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 1978 to current year.

pH: June 1978 to current year.

WATER TEMPERATURE: June 1978 to current year.

DISSOLVED OXYGEN: June 1978 to current year.

INSTRUMENTATION.—Water-quality monitor. Electronic data logger. Set for 1-hour interval. Satellite telemeter at station.

REMARKS.—Interruptions in the water-quality record are due to malfunction of the equipment. Prior to June 1978, records published as 03271600, Great Miami River near Miamisburg, Ohio. See records of discharge for gaging station below Miamisburg (station 03271601). Specific conductance records are good except Dec. 30-Jan. 26, May 12-June 2, June 15-27, and Aug. 12-29, which are fair. pH records are good except Dec. 30-Jan. 18 and Aug. 12-Sept. 16, which are fair. Temperature records are good. Dissolved oxygen records are fair except for Dec. 17-Jan. 9, Jan. 26-Feb. 4, Feb. 28-Mar. 15, Apr. 1-15, Apr. 29-May 9, June 1-July 31, Aug. 12-25, and Sept. 16-30, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum, 2,080 microsiemens, Jan. 13, 1999; minimum, 206 microsiemens, Feb. 18, 1982.

pH: Maximum, 9.8 units, Oct. 12, 1992; minimum, 7 units, July 30, Aug. 30, 1979.

WATER TEMPERATURE: Maximum, 33°C, July 20, 22, 1978; minimum, 0.0°C, on many days during winters.

DISSOLVED OXYGEN: Maximum, >20 mg/L, on several days in water years 1978-1994, 2000, 2001, and 2005; minimum, 0.4 mg/L, Aug. 27, 1981 and Aug. 2, 1982.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 1,320 microsiemens, Dec. 30; minimum, 273 microsiemens, Jan. 7.

pH: Maximum, 9.1 units, Oct. 4; minimum, 7.6 units, Sept. 19.

WATER TEMPERATURE: Maximum, 30.9°C, July 25; minimum, 0.4°C, Dec. 23-25 and 27.

DISSOLVED OXYGEN: Maximum, 20.0 mg/L, July 10; minimum, 2.9 mg/L, Aug. 6.

#### SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	941	906	922	922	890	905	696	672	683	586	385	437
2	934	905	916	923	830	895	694	670	680	440	389	415
3	921	881	899	889	851	870	690	673	678	503	415	439
4	908	851	882	851	653	761	675	654	661	429	335	362
5	898	880	887	772	680	738	701	675	691	349	308	332
6	913	886	899	799	755	774	735	701	723	308	278	287
7	923	873	901	805	742	780	744	723	737	301	273	284
8	937	892	915	768	740	758	747	718	734	323	301	314
9	944	908	931	798	766	787	751	724	743	351	323	336
10	964	922	940	807	781	793	754	732	744	377	351	367
11	964	941	955	826	787	808	740	719	727	402	369	386
12	963	930	952	793	715	755	723	715	719	369	308	327
13	964	921	935	791	718	759	751	723	734	343	308	325
14	967	940	953	800	783	792	753	745	749	344	316	329
15	960	910	930	811	791	801	760	751	756	338	318	329
16	938	896	910	832	811	820	781	760	772	385	338	357
17	941	890	904	843	824	831	796	779	785	417	385	402
18	942	495	805	851	824	839	808	784	798	434	417	424
19	667	572	597	850	813	826	815	794	806	515	434	468
20	755	619	682	824	766	796	845	803	822	694	515	594
21	765	726	739	774	754	763	872	832	854	713	657	678
22	836	765	793	779	737	756	884	860	869	743	703	721
23	865	808	849	759	744	753	926	868	896	752	715	727
24	841	793	826	770	753	762	946	914	929	737	723	728
25	829	764	793	760	674	736	936	913	921	742	715	729
26	859	829	846	674	539	599	913	881	892	792	742	777
27	886	851	864	553	532	540	900	872	881	792	785	788
28	889	878	884	610	553	576	905	875	886	796	783	788
29	906	878	890	649	610	630	1080	879	940	807	787	793
30	909	899	905	684	649	668	1320	1040	1150	849	807	839
31	923	892	905	---	---	---	1130	586	905	850	830	838
MONTH	967	495	871	923	532	762	1320	586	802	850	273	514



03271510 Great Miami River near Linden Avenue at Miamisburg, Ohio—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
1	8.8	8.4	8.6	8.2	8.1	8.2	8.3	8.2	8.2	8.1	8.0	8.1
2	8.7	8.4	8.6	8.2	8.1	8.1	8.3	8.2	8.3	8.1	8.0	8.1
3	8.8	8.5	8.6	8.1	8.0	8.1	8.3	8.2	8.3	8.1	8.1	8.1
4	9.1	8.7	8.8	8.2	8.0	8.1	8.3	8.2	8.2	8.2	8.1	8.1
5	9.0	8.7	8.9	8.2	8.1	8.1	8.3	8.2	8.2	8.1	8.1	8.1
6	9.0	8.7	8.8	8.3	8.1	8.2	8.3	8.2	8.3	8.1	8.0	8.1
7	8.9	8.7	8.8	8.2	8.1	8.2	8.3	8.2	8.2	8.2	8.0	8.1
8	8.9	8.6	8.8	8.3	8.1	8.2	8.3	8.2	8.2	8.1	7.9	8.0
9	8.7	8.5	8.6	8.3	8.1	8.2	8.3	8.2	8.3	8.0	7.9	8.0
10	8.7	8.4	8.6	8.4	8.2	8.2	8.3	8.2	8.2	8.0	7.8	7.9
11	8.7	8.4	8.6	8.3	8.2	8.2	8.2	8.2	8.2	8.0	7.9	7.9
12	8.7	8.4	8.6	8.3	8.2	8.2	8.3	8.2	8.3	7.9	7.9	7.9
13	8.6	8.4	8.5	8.4	8.1	8.2	8.4	8.3	8.3	7.9	7.9	7.9
14	8.5	8.3	8.4	8.5	8.2	8.3	8.4	8.3	8.3	8.0	7.9	8.0
15	8.3	8.1	8.2	8.5	8.2	8.4	8.4	8.3	8.3	8.0	8.0	8.0
16	8.3	8.2	8.2	8.6	8.3	8.4	8.4	8.3	8.3	8.0	8.0	8.0
17	8.4	8.1	8.2	8.4	8.3	8.4	8.4	8.3	8.4	8.2	8.0	8.2
18	8.3	8.2	8.2	8.5	8.2	8.3	8.4	8.3	8.3	---	---	---
19	8.3	8.0	8.0	8.3	8.2	8.2	8.5	8.3	8.4	---	---	---
20	8.1	8.0	8.0	8.3	8.1	8.2	8.4	8.3	8.4	---	---	---
21	8.1	8.0	8.0	8.3	8.2	8.2	8.4	8.3	8.4	---	---	---
22	8.2	8.0	8.1	8.2	8.2	8.2	8.4	8.3	8.4	---	---	---
23	8.2	8.1	8.1	8.3	8.2	8.2	8.4	8.3	8.3	---	---	---
24	8.2	8.1	8.1	8.2	8.1	8.2	8.4	8.2	8.3	---	---	---
25	8.2	8.0	8.1	8.2	8.1	8.2	8.4	8.3	8.3	---	---	---
26	8.2	7.9	8.2	8.2	8.1	8.1	8.4	8.3	8.3	---	---	---
27	8.2	8.1	8.1	8.1	8.1	8.1	8.4	8.2	8.3	8.0	8.0	8.0
28	8.3	8.1	8.1	8.2	8.1	8.2	8.4	8.3	8.3	8.0	8.0	8.0
29	8.2	8.0	8.1	8.2	8.2	8.2	8.4	8.2	8.3	8.0	8.0	8.0
30	8.3	8.1	8.1	8.3	8.2	8.2	8.3	8.2	8.2	8.0	8.0	8.0
31	8.3	8.1	8.2	---	---	---	8.2	8.1	8.1	8.1	8.0	8.0
MAX	9.1	8.7	8.9	8.6	8.3	8.4	8.5	8.3	8.4	8.2	8.1	8.2
MIN	8.1	7.9	8.0	8.1	8.0	8.1	8.2	8.1	8.1	7.9	7.8	7.9

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
1	8.0	8.0	8.0	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.1	8.2
2	8.0	8.0	8.0	8.3	8.2	8.2	8.3	8.3	8.3	8.3	8.2	8.2
3	8.0	8.0	8.0	8.3	8.2	8.2	8.3	8.1	8.2	8.3	8.2	8.3
4	8.2	8.0	8.0	8.3	8.2	8.2	8.1	8.1	8.1	8.4	8.3	8.3
5	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.1	8.1	8.4	8.3	8.3
6	8.2	8.2	8.2	8.3	8.2	8.3	8.2	8.1	8.2	8.5	8.3	8.4
7	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.2	8.2	8.6	8.4	8.4
8	8.2	8.1	8.2	8.3	8.2	8.2	8.5	8.2	8.3	8.6	8.4	8.5
9	8.1	8.0	8.0	8.3	8.2	8.2	8.5	8.4	8.4	8.7	8.4	8.5
10	8.1	8.0	8.1	8.3	8.2	8.3	8.5	8.3	8.4	8.6	8.2	8.4
11	8.1	8.1	8.1	8.3	8.2	8.3	8.6	8.3	8.4	8.6	8.2	8.4
12	8.2	8.1	8.1	8.4	8.2	8.3	8.4	8.3	8.4	8.5	8.0	8.2
13	8.2	8.1	8.2	8.4	8.3	8.3	8.6	8.3	8.3	8.5	8.2	8.3
14	8.2	8.2	8.2	8.5	8.3	8.4	8.7	8.4	8.5	8.3	8.1	8.2
15	8.2	8.2	8.2	8.5	8.3	8.3	8.7	8.4	8.5	8.1	7.9	8.0
16	8.2	8.1	8.2	8.6	8.3	8.4	8.8	8.4	8.6	8.2	8.0	8.1
17	8.2	8.2	8.2	8.6	8.3	8.4	8.8	8.4	8.6	8.4	8.2	8.2
18	8.2	8.2	8.2	8.7	8.3	8.4	8.7	8.3	8.5	8.3	8.2	8.2
19	8.2	8.1	8.2	8.5	8.3	8.4	8.7	8.3	8.5	8.3	8.1	8.2
20	8.2	8.2	8.2	8.4	8.3	8.3	8.6	8.3	8.5	8.1	7.7	7.8
21	8.2	8.2	8.2	8.7	8.3	8.5	8.4	8.3	8.3	8.0	7.8	7.9
22	8.3	8.2	8.2	8.7	8.4	8.5	8.4	8.2	8.3	8.0	7.9	8.0
23	8.3	8.2	8.2	8.5	8.3	8.4	8.2	8.0	8.1	8.1	7.9	8.0
24	8.3	8.2	8.2	8.6	8.3	8.4	8.0	7.9	7.9	8.2	8.0	8.1
25	8.3	8.2	8.2	8.6	8.4	8.5	8.0	7.9	8.0	8.3	8.1	8.2
26	8.3	8.2	8.2	8.5	8.3	8.4	8.0	8.0	8.0	8.4	8.2	8.3
27	8.3	8.2	8.3	8.3	8.1	8.2	8.1	8.0	8.1	8.4	8.2	8.3
28	8.3	8.2	8.3	8.2	8.1	8.1	8.1	8.0	8.0	8.5	8.3	8.4
29	---	---	---	8.1	8.1	8.1	8.1	8.1	8.1	8.6	8.3	8.4
30	---	---	---	8.1	8.1	8.1	8.2	8.1	8.1	8.5	8.3	8.4
31	---	---	---	8.2	8.1	8.2	---	---	---	8.6	8.3	8.4
MAX	8.3	8.2	8.3	8.7	8.4	8.5	8.8	8.4	8.6	8.7	8.4	8.5
MIN	8.0	8.0	8.0	8.1	8.1	8.1	8.0	7.9	7.9	8.0	7.7	7.8

03271510 Great Miami River near Linden Avenue at Miamisburg, Ohio—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—Continued

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
1	8.6	8.3	8.5	8.1	7.9	8.0	8.9	8.4	8.6	8.1	7.7	7.9
2	8.5	8.3	8.4	8.0	7.9	7.9	9.0	8.3	8.7	8.1	7.8	8.0
3	8.5	8.3	8.4	8.1	8.0	8.0	9.0	8.1	8.7	8.1	7.9	8.0
4	8.6	8.3	8.4	8.4	8.1	8.2	9.0	8.1	8.7	8.3	7.9	8.0
5	8.6	8.3	8.4	8.4	8.2	8.3	8.8	8.2	8.6	8.4	7.9	8.1
6	8.7	8.4	8.5	8.5	8.2	8.3	8.7	8.2	8.5	8.4	7.8	8.2
7	8.7	8.4	8.5	8.6	8.2	8.4	8.7	8.1	8.4	8.5	7.9	8.3
8	8.7	8.4	8.5	8.7	8.3	8.5	8.7	8.1	8.4	8.5	8.1	8.3
9	8.6	8.2	8.4	8.8	8.3	8.5	8.8	8.3	8.5	8.5	8.2	8.3
10	8.5	8.3	8.4	8.9	8.4	8.6	8.9	8.2	8.7	8.5	8.1	8.3
11	8.5	8.2	8.3	8.8	8.4	8.7	8.9	8.2	8.7	8.6	8.2	8.4
12	8.4	8.1	8.3	8.8	8.3	8.6	9.0	8.2	8.7	8.8	8.2	8.5
13	8.2	7.9	8.1	8.6	8.3	8.4	8.8	8.4	8.7	8.7	8.3	8.5
14	8.2	7.9	8.0	8.6	8.2	8.3	8.8	8.4	8.6	8.6	8.2	8.4
15	8.4	8.1	8.3	8.8	8.3	8.5	8.6	8.3	8.4	8.4	8.1	8.3
16	8.4	8.2	8.3	8.8	8.4	8.6	8.4	8.1	8.2	8.2	7.7	7.9
17	8.5	8.2	8.3	8.7	8.4	8.5	8.5	8.1	8.2	7.8	7.7	7.7
18	8.6	8.3	8.4	8.9	8.2	8.4	8.6	8.2	8.4	7.9	7.7	7.8
19	8.7	8.3	8.5	8.9	8.3	8.6	8.7	8.3	8.4	8.0	7.6	7.9
20	8.8	8.4	8.6	8.9	8.4	8.7	8.7	8.3	8.5	8.0	7.7	7.9
21	8.9	8.4	8.6	8.8	8.4	8.6	8.8	8.2	8.5	8.0	7.8	7.9
22	8.9	8.4	8.6	8.7	8.3	8.5	8.9	8.4	8.6	8.1	7.9	7.9
23	8.9	8.3	8.6	8.8	8.2	8.5	9.0	8.6	8.8	8.1	7.9	8.0
24	8.8	8.2	8.6	8.9	8.3	8.6	9.0	8.6	8.8	8.2	7.9	8.0
25	8.8	8.2	8.6	8.9	8.3	8.6	8.9	8.3	8.8	8.1	7.8	8.0
26	8.6	8.2	8.4	9.0	8.0	8.6	8.8	8.3	8.5	7.8	7.7	7.7
27	8.8	8.0	8.4	8.7	8.1	8.4	8.4	8.0	8.2	7.8	7.7	7.8
28	8.6	8.3	8.5	8.7	8.0	8.3	8.4	8.0	8.1	7.8	7.8	7.8
29	8.6	8.3	8.5	9.0	8.3	8.7	8.7	7.9	8.1	7.9	7.8	7.8
30	8.4	8.1	8.3	8.9	8.5	8.7	8.6	8.2	8.4	7.9	7.9	7.9
31	---	---	---	8.8	8.3	8.6	8.3	7.9	8.1	---	---	---
MAX	8.9	8.4	8.6	9.0	8.5	8.7	9.0	8.6	8.8	8.8	8.3	8.5
MIN	8.2	7.9	8.0	8.0	7.9	7.9	8.3	7.9	8.1	7.8	7.6	7.7
YEAR	MAX	MAXIMUM 9.1 MINIMUM 7.8		MIN	MAXIMUM 8.7 MINIMUM 7.6		MEDIAN	MAXIMUM 8.9 MINIMUM 7.7				

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	19.9	17.3	18.8	16.7	15.7	16.0	7.9	7.3	7.6	4.4	2.1	3.2
2	20.0	18.7	19.3	16.6	15.6	16.1	7.4	6.6	6.9	6.1	4.4	5.2
3	19.2	16.8	18.1	15.6	14.6	14.9	6.6	6.0	6.3	9.1	6.1	8.0
4	18.7	16.5	17.8	14.6	12.8	13.7	6.2	5.5	5.9	9.4	8.5	9.1
5	17.9	15.6	16.9	12.9	11.7	12.3	6.6	5.5	6.0	8.5	6.1	7.3
6	17.7	15.0	16.5	12.2	11.2	11.6	7.7	6.3	7.1	6.1	4.2	5.1
7	17.6	15.1	16.5	13.1	11.3	12.0	10.1	7.7	9.1	4.2	3.5	3.7
8	18.3	15.8	17.2	12.6	10.8	11.7	10.4	9.6	10	3.6	3.5	3.5
9	18.3	17.0	17.7	11.8	10.2	10.9	9.6	9.0	9.2	4.0	3.4	3.6
10	18.4	16.2	17.4	11.3	9.7	10.5	9.3	9.0	9.2	4.2	3.9	4.1
11	17.8	15.9	17.0	10.8	9.9	10.3	9.3	8.1	8.8	5.9	4.2	4.6
12	17.1	15.4	16.5	10.7	9.3	10	8.1	6.9	7.4	7.3	5.8	6.5
13	17.0	16.0	16.3	10.0	8.6	9.2	6.9	5.3	6.1	9.0	7.3	8.1
14	16.6	15.9	16.3	9.8	7.9	8.8	5.3	4.3	4.8	8.7	6.8	7.8
15	16.4	14.6	15.4	9.7	7.8	8.7	4.3	3.5	4.0	6.8	5.7	6.2
16	14.6	12.9	13.7	9.7	8.5	9.1	3.7	3.2	3.4	5.7	4.6	5.1
17	13.2	11.3	12.3	10.7	9.4	10	4.1	3.0	3.5	4.6	3.8	4.1
18	12.7	10.7	11.5	12.4	10.7	11.4	4.3	3.2	3.7	3.8	2.7	3.2
19	11.9	11.0	11.4	13.5	12.2	12.8	4.0	2.2	3.3	2.9	2.3	2.4
20	13.0	11.9	12.3	13.8	13.3	13.4	2.2	1.2	1.6	2.5	1.9	2.3
21	14.1	12.7	13.3	13.3	12.3	12.9	2.7	0.7	1.7	2.6	1.7	2.1
22	14.8	13.0	13.8	12.3	11.9	12.1	2.5	0.5	1.8	2.6	1.9	2.3
23	15.2	13.9	14.4	12.3	11.8	12.0	0.5	0.4	0.4	1.9	0.9	1.3
24	16.4	14.5	15.4	12.8	12.1	12.4	0.6	0.4	0.5	1.7	0.6	1.1
25	16.8	14.5	15.6	12.4	9.3	11.1	0.6	0.4	0.5	3.0	1.4	2.0
26	16.5	14.7	15.7	9.3	7.5	7.9	0.9	0.5	0.7	3.6	2.7	3.2
27	16.4	15.8	16.1	7.6	7.1	7.4	1.1	0.4	0.7	3.4	2.4	2.7
28	16.8	15.0	15.9	7.6	7.1	7.4	1.6	0.6	1.0	2.4	1.5	1.9
29	18.2	16.0	16.8	7.1	6.5	7.0	2.8	1.5	2.1	2.8	2.0	2.4
30	18.8	17.4	18.0	7.5	6.9	7.1	3.3	2.2	2.8	4.0	2.8	3.5
31	18.0	16.6	17.1	---	---	---	4.0	1.9	3.4	4.1	3.3	3.7
MONTH	20.0	10.7	15.8	16.7	6.5	11.0	10.4	0.4	4.5	9.4	0.6	4.2





## 03271510 Great Miami River near Linden Avenue at Miamisburg, Ohio—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	15.0	8.4	11.5	10.3	8.5	9.4	12.2	11.6	11.9	13.3	12.6	13.1
2	14.6	8.0	10.8	10.3	8.8	9.4	12.5	12.0	12.2	13.0	12.3	12.5
3	16.1	8.5	11.8	10.7	9.1	9.7	12.7	12.2	12.4	12.4	10.9	11.4
4	18.5	8.7	13.4	10.1	9.3	9.8	12.9	12.4	12.6	11.6	11.1	11.3
5	18.7	9.0	13.4	11.3	10.1	10.6	13.2	12.6	12.8	12.2	11.5	11.7
6	18.3	9.2	13.3	11.9	10.6	11.1	12.8	12.2	12.5	13.3	12.1	12.5
7	18.1	9.4	13.6	12.0	10.7	11.2	12.2	11.2	11.7	13.5	13.2	13.4
8	16.5	9.2	13.0	12.5	10.7	11.4	12.0	10.9	11.4	13.5	10.8	12.9
9	14.2	8.7	11.7	12.9	10.9	11.7	11.6	11.2	11.5	11.9	10.3	11.2
10	15.8	8.8	12.0	13.6	11.0	12.1	11.6	11.2	11.4	12.1	10.6	11.7
11	15.8	9.0	12.3	12.5	11.1	11.7	11.7	11.0	11.3	11.9	11.0	11.4
12	15.0	9.1	12.1	12.8	11.1	11.8	12.5	11.6	12.0	---	---	---
13	12.3	8.9	10.5	14.3	11.4	12.4	13.1	12.0	12.5	---	---	---
14	10.7	9.0	9.9	14.6	11.6	12.8	13.8	12.8	13.2	---	---	---
15	9.5	7.7	8.7	15.2	12.1	13.3	14.5	13.2	13.8	---	---	---
16	10.8	8.4	9.4	15.0	11.7	13.0	14.8	13.7	14.2	---	---	---
17	12.6	9.0	10.5	13.3	11.3	12.2	15.3	13.9	14.5	---	---	---
18	11.3	9.2	9.9	13.9	11.1	12.1	14.9	13.9	14.2	---	---	---
19	10.1	9.8	9.9	11.6	10.2	10.8	15.1	13.5	14.2	---	---	---
20	10.4	9.5	9.9	11.1	9.8	10.4	16.2	14.5	15.3	---	---	---
21	10.6	9.3	9.8	11.1	10.1	10.4	16.2	14.9	15.4	---	---	---
22	11.0	9.2	10	11.2	10.2	10.6	15.7	14.2	14.9	---	---	---
23	10.1	8.8	9.5	11.6	10.3	10.9	16.7	14.4	15.4	---	---	---
24	10.5	8.8	9.4	10.8	10.4	10.6	16.6	15.0	15.7	---	---	---
25	10.9	8.6	9.5	11.6	10.3	10.8	16.3	15.2	15.7	---	---	---
26	11.7	8.6	9.9	12.4	11.4	11.8	15.9	14.5	15.1	---	---	---
27	10.6	8.6	9.5	12.5	12.2	12.4	16.6	14.6	15.4	14.6	14.0	14.4
28	12.0	9.0	10.1	12.7	12.1	12.4	16.0	14.4	15.1	14.9	14.5	14.7
29	10.9	8.7	9.6	12.7	11.8	12.4	15.5	13.9	14.6	14.6	14.0	14.4
30	10.6	8.6	9.5	12.3	11.9	12.2	14.8	13.2	13.9	14.0	13.5	13.7
31	11.3	8.3	9.6	---	---	---	13.3	12.9	13.1	13.5	13.3	13.4
MONTH	18.7	7.7	10.8	15.2	8.5	11.4	16.7	10.9	13.5	14.9	10.3	12.7

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	13.4	13.1	13.3	13.6	12.7	13.1	12.1	10.4	11.1	11.7	10.8	11.2
2	13.1	13.0	13.1	14.2	13.4	13.8	12.2	11.1	11.7	12.0	10.8	11.3
3	13.0	12.7	12.9	14.3	13.8	14.0	12.6	12.0	12.3	12.4	11.0	11.6
4	13.0	12.4	12.6	14.2	13.5	13.8	12.1	11.6	12.0	12.9	11.0	11.9
5	12.7	12.4	12.6	14.4	13.3	13.7	11.6	10.9	11.4	13.5	10.7	11.9
6	12.6	12.3	12.4	14.0	12.9	13.5	11.6	10.4	10.9	14.1	10.3	11.9
7	12.5	12.2	12.3	12.9	12.2	12.6	11.5	9.8	10.5	14.7	9.8	11.9
8	13.0	12.1	12.4	13.0	12.1	12.5	13.4	9.8	11.3	16.2	9.5	12.2
9	13.1	13.0	13.1	13.7	12.9	13.3	14.1	10.0	11.7	16.8	9.0	12.2
10	13.5	13.1	13.3	14.3	13.5	13.8	14.1	9.8	11.6	15.7	8.3	11.5
11	13.7	13.5	13.7	14.7	13.6	14.0	14.7	9.6	11.7	14.8	7.6	10.9
12	13.7	13.3	13.5	15.2	13.5	14.2	11.9	9.3	10.6	12.6	6.3	9.1
13	13.3	12.9	13.1	15.6	13.6	14.4	14.4	9.6	11.5	13.8	8.0	10.2
14	12.9	12.5	12.7	15.8	13.6	14.4	15.5	10.1	12.4	9.3	7.4	8.4
15	12.6	12.2	12.5	15.7	12.9	14.2	17.4	10.2	13.2	8.7	7.6	8.2
16	12.3	12.1	12.2	16.5	12.5	13.9	18.0	10.7	13.7	10.8	8.3	9.6
17	13.3	12.2	12.8	16.7	12.4	14.0	18.4	10.6	13.9	12.4	9.2	10.5
18	13.6	13.3	13.5	17.0	12.2	14.1	16.2	10.1	13.1	12.3	8.9	10.3
19	14.0	13.6	13.9	13.4	11.6	12.4	15.5	9.7	12.3	10.0	8.3	8.9
20	13.9	13.4	13.7	14.2	11.4	12.4	14.1	9.2	11.5	8.5	7.4	7.9
21	13.4	13.0	13.1	18.7	12.0	14.6	11.8	8.8	10.1	9.6	8.3	8.9
22	13.3	13.0	13.1	16.6	12.8	14.4	11.7	9.5	10.2	9.6	8.3	8.9
23	13.4	13.1	13.2	12.8	12.0	12.3	10.6	9.5	10.0	10.9	8.3	9.6
24	13.4	13.1	13.3	16.7	11.8	13.7	12.3	10.6	11.7	11.2	8.9	10
25	13.9	13.4	13.7	15.5	12.5	13.7	12.7	12.2	12.5	12.2	9.2	10.5
26	13.9	13.4	13.7	13.5	11.9	12.6	12.2	11.5	11.9	12.6	8.9	10.5
27	13.8	13.3	13.5	12.5	11.9	12.2	12.0	11.5	11.7	12.1	8.5	10.1
28	13.4	12.7	13.0	12.2	11.8	12.0	12.1	11.8	12.0	12.8	8.4	10.4
29	---	---	---	12.3	11.8	12.1	11.8	10.8	11.4	14.1	8.6	11.0
30	---	---	---	11.9	11.1	11.7	11.1	10.7	10.9	13.9	7.9	10.4
31	---	---	---	11.5	10.7	11.0	---	---	---	13.2	7.5	10.1
MONTH	14.0	12.1	13.1	18.7	10.7	13.3	18.4	8.8	11.7	16.8	6.3	10.4



## 03271601 Great Miami River below Miamisburg, Ohio

LOCATION.—Latitude 39°36'24", longitude 84°17'13", in sec. 23, R.5, T.2, Montgomery County, Hydrologic Unit 05080002, on right bank 50 ft below outflow and dam of Hutchings Power station, 0.3 mi upstream of Crains Run at south edge of Miamisburg, Ohio corporate boundary, and at mile 63.4.

DRAINAGE AREA.—2,715 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1991 to current year.

REVISED RECORDS.—WDR OH-04-1: 2003.

GAGE.—Water-stage recorder. Datum of gage is 670.00 ft above sea level.

REMARKS.—Records fair except for periods of estimated record, which are poor. Diurnal fluctuation caused by powerplant at gage. Flood flow regulated by retarding dams on Mad River 22 mi upstream, Stillwater River 26 mi upstream, Great Miami River 26 mi upstream, and Loramic Creek 55 mi upstream.

COOPERATION.—Base data furnished by Miami Conservancy District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	628	e576	2840	e19200	e2600	e3010	e4030	5670	1710	6060	717	3070
2	642	669	3830	e18800	e2470	e2980	e4570	4670	1620	4430	670	2780
3	587	788	3520	e20700	e2400	e2990	e10200	3930	1570	2880	640	2080
4	581	1870	2640	e28600	e2380	e2820	e7440	3440	1550	1950	615	1470
5	566	1780	2130	38900	e2410	e2650	e5270	3090	1520	1510	632	1110
6	553	1850	1810	48500	e2530	e3220	e4130	2800	1520	1310	755	870
7	562	1460	1830	48800	e3080	e4400	e3580	2650	1340	1200	704	781
8	546	1080	2070	39500	e11500	e4340	e3360	2550	1270	1070	642	709
9	538	936	2640	30500	e16100	e3620	e3220	2440	1490	965	596	801
10	466	927	2480	22900	e15300	e3040	e2800	2320	1470	856	583	723
11	453	951	2500	22200	e10900	e2720	e2470	2210	1280	810	586	669
12	508	1350	2460	36100	e7070	e2510	e2300	2560	1450	827	739	713
13	571	1030	2410	e39700	e5560	e2360	2590	2350	2910	830	569	661
14	545	1050	1930	e38700	e5480	e2200	2390	3750	2110	833	597	594
15	637	1030	1660	e32500	e8500	e2050	2260	4720	2130	819	674	593
16	603	1000	1510	e26300	e7090	e1900	2080	4140	1760	1010	e641	3390
17	568	932	1330	e19200	e8800	e1790	1970	3260	1520	1450	691	3590
18	1360	964	1240	e15200	e6960	e1740	1740	2730	1400	1030	682	2720
19	1360	1110	1210	e13100	e5050	e1750	1700	2860	1300	964	672	1730
20	802	1570	990	e10900	e4170	e1840	1640	6850	1100	900	601	1900
21	715	2220	969	e7160	e4190	e1740	1840	5590	1010	1050	633	1330
22	674	2010	1150	e5520	e4670	e1730	2560	4140	1080	1260	632	1100
23	688	1620	856	e4790	e4300	e2430	8300	3390	932	1010	568	951
24	935	1480	e800	e4300	e3820	e2510	18300	2940	870	793	573	1170
25	790	3040	e760	e4420	e3470	e2630	17900	2620	1080	728	527	4980
26	726	e6500	e740	e4030	e3150	e4750	15100	2370	1270	721	551	7490
27	e730	e4500	e720	e3420	e3010	e6150	e14400	2190	1220	730	647	9590
28	e713	3470	e690	e2940	e3020	e15100	12400	2070	1420	729	628	6780
29	e720	2850	e690	e2850	---	e10700	8410	1910	1720	846	616	4520
30	e658	2570	e1200	e2830	---	e6980	6650	1830	2410	949	1190	3500
31	e604	---	e8920	e2690	---	e5070	---	1870	---	822	2800	---
TOTAL	21029	53183	60525	615250	159980	113720	175600	99910	45032	41342	22371	72365
MEAN	678	1773	1952	19850	5714	3668	5853	3223	1501	1334	722	2412
MAX	1360	6500	8920	48800	16100	15100	18300	6850	2910	6060	2800	9590
MIN	453	576	690	2690	2380	1730	1640	1830	870	721	527	593
CFSM	0.25	0.65	0.72	7.31	2.10	1.35	2.16	1.19	0.55	0.49	0.27	0.89
IN.	0.29	0.73	0.83	8.43	2.19	1.56	2.41	1.37	0.62	0.57	0.31	0.99

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992-2005, BY WATER YEAR (WY)

MEAN	1303	2167	2657	4831	3273	3964	4649	4150	3496	3032	1502	1347
MAX	5359	6603	7690	19850	5714	7637	9141	11920	6770	10720	5404	5953
(WY)	2002	1994	1997	2005	2005	2003	2002	1996	1997	2003	1995	2003
MIN	402	403	553	867	842	1143	2124	1239	978	832	464	298
(WY)	2000	2000	2000	1992	1992	1992	1997	1992	1999	1999	1999	1999

## SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992-2005	
ANNUAL TOTAL	1104940		1480307			
ANNUAL MEAN	3019		4056		3030	
HIGHEST ANNUAL MEAN					4283	
LOWEST ANNUAL MEAN					1742	
HIGHEST DAILY MEAN	35300	Jan 5	48800	Jan 7	48800	Jan 7
LOWEST DAILY MEAN	453	Oct 11	453	Oct 11	250	Sep 27
ANNUAL SEVEN-DAY MINIMUM	518	Oct 6	518	Oct 6	265	Sep 23
MAXIMUM PEAK FLOW			50900		50900	
MAXIMUM PEAK STAGE			21.47		21.47	
INSTANTANEOUS LOW FLOW					122	
ANNUAL RUNOFF (CFSM)	1.11		1.49		1.12	
ANNUAL RUNOFF (INCHES)	15.14		20.28		15.17	
10 PERCENT EXCEEDS	6510		8450		6910	
50 PERCENT EXCEEDS	1920		1870		1580	
90 PERCENT EXCEEDS	643		639		548	

e Estimated.

**03272000 Twin Creek near Germantown, Ohio**

LOCATION.—Latitude 39°38'16", longitude 84°24'14", in NW ¼ sec. 11, T.3 N., R.4 E., Montgomery County, Hydrologic Unit 05080002, on left bank upstream side of Germantown Dam, 1.5 mi northwest of Germantown, Ohio, and 3.3 mi upstream from Little Twin Creek.

DRAINAGE AREA.—275 mi<sup>2</sup>.

PERIOD OF RECORD.—April 1914 to December 1923, December 1926 to current year.

REVISED RECORDS.—WSP 403: 1914(M). WSP 1385: 1915(M).

GAGE.—Water-stage recorder. Datum of gage is 724.00 ft, National Geodetic Vertical Datum of 1912. Prior to Dec. 18, 1926, nonrecording gage at site 1.3 mi downstream at datum 11.27 ft lower. Dec. 1926 to Oct. 2003 at site 0.3 mi downstream at datum 23.76 ft lower.

REMARKS.—Records good except for periods of estimated record, which are poor. Flood flow regulated by Germantown retarding basin, 0.3 mi upstream, beginning in 1920.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 9,390 ft<sup>3</sup>/s July 8, 1915, gage height 11.7 ft, from graph based on gage readings, site and datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 25, 1913, reached a stage of 18.3 ft, original site and datum; discharge, 66,000 ft<sup>3</sup>/s, computed by Miami Conservancy District.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	11	18	286	4270	e135	204	316	342	94	1210	19	70	
2	11	21	363	2440	e130	167	447	276	89	447	18	42	
3	11	22	207	4480	e125	146	830	233	90	176	17	28	
4	11	34	149	6000	e120	141	452	199	86	109	17	21	
5	10	63	120	5880	e120	152	317	173	79	82	16	17	
6	10	46	108	7840	e170	197	257	158	75	69	18	15	
7	11	40	121	7830	662	219	246	140	69	59	22	14	
8	11	32	307	6390	2910	205	241	132	64	52	18	13	
9	11	29	216	2480	1500	159	195	122	61	46	17	e22	
10	11	27	214	1080	1000	133	160	117	61	41	16	e18	
11	11	27	339	1650	572	126	147	113	60	38	14	15	
12	11	45	325	5820	389	124	139	222	58	37	13	13	
13	13	83	225	4240	331	110	141	182	215	38	13	12	
14	14	62	155	3800	594	96	119	617	199	40	12	11	
15	16	47	119	1290	829	93	99	863	111	42	12	11	
16	15	41	107	810	660	87	92	380	86	42	13	219	
17	15	39	100	575	676	87	88	274	71	84	14	234	
18	22	37	94	425	385	87	87	231	61	51	e12	86	
19	48	42	87	e380	267	87	86	252	55	42	e12	49	
20	34	117	67	e340	231	90	85	1120	51	35	12	69	
21	26	112	e62	e310	283	82	89	479	47	32	12	85	
22	23	86	e56	e290	286	78	107	303	43	35	11	58	
23	21	72	e65	e260	239	122	1530	271	41	33	10	43	
24	22	70	e110	e230	228	155	1860	214	38	30	e9.8	34	
25	22	271	e92	e210	209	147	949	174	37	28	e9.6	31	
26	21	245	e77	e190	195	350	675	141	52	26	9.5	62	
27	21	145	e66	e170	183	312	1400	130	107	25	10	202	
28	21	137	e60	e160	192	2590	667	126	66	25	11	108	
29	20	139	e52	e150	---	1770	442	111	55	23	9.9	72	
30	20	117	161	e145	---	739	384	105	68	22	25	56	
31	18	---	3630	e140	---	469	---	101	---	20	104	---	
TOTAL	542	2266	8140	70275	13621	9524	12647	8301	2289	3039	526.8	1730	
MEAN	17.5	75.5	263	2267	486	307	422	268	76.3	98.0	17.0	57.7	
MAX	48	271	3630	7840	2910	2590	1860	1120	215	1210	104	234	
MIN	10	18	52	140	120	78	85	101	37	20	9.5	11	
CFSM	0.06	0.27	0.95	8.24	1.77	1.12	1.53	0.97	0.28	0.36	0.06	0.21	
IN.	0.07	0.31	1.10	9.51	1.84	1.29	1.71	1.12	0.31	0.41	0.07	0.23	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921-2005 BY WATER YEAR (WY)													
MEAN	64.5	160	302	467	445	517	481	354	246	137	70.9	47.5	
MAX	718	978	1398	2669	1214	1304	1421	1723	1237	882	636	509	
(WY)	1987	1986	1991	1937	1950	1978	1922	1996	1958	1929	1979	1950	
MIN	4.07	5.24	5.19	9.23	20.1	54.7	69.5	26.4	14.1	8.46	5.77	3.79	
(WY)	1945	1945	1945	1945	1935	1954	1941	1934	1934	1930	1988	1953	
SUMMARY STATISTICS				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR			WATER YEARS 1921-2005		
ANNUAL TOTAL				116291				132900.8					
ANNUAL MEAN				318				364			272		
HIGHEST ANNUAL MEAN											493		
LOWEST ANNUAL MEAN											43.3		
HIGHEST DAILY MEAN				7620		Jan 5		7840		Jan 6		8450	
LOWEST DAILY MEAN				10		Sep 29		9.5		Aug 26		2.0	
ANNUAL SEVEN-DAY MINIMUM				11		Sep 29		10		Aug 23		2.7	
MAXIMUM PEAK FLOW							8280			8790			
MAXIMUM PEAK STAGE							52.91			52.91			
INSTANTANEOUS LOW FLOW										1.5			
ANNUAL RUNOFF (CFSM)				1.16				1.32			0.99		
ANNUAL RUNOFF (INCHES)				15.73				17.98			13.42		
10 PERCENT EXCEEDS				534				661			600		
50 PERCENT EXCEEDS				120				92			84		
90 PERCENT EXCEEDS				17				14			13		

e Estimated.

## 03272100 Great Miami River at Middletown, Ohio

LOCATION.—Latitude 39°31'12", longitude 84°24'51", Butler County, Hydrologic Unit 05080002, on downstream side of Central Avenue bridge on State Route 122, 1.9 mi downstream from Browns Run, and on northwest side of city of Middletown, Ohio.

DRAINAGE AREA.—3,134 mi<sup>2</sup>.

PERIOD OF RECORD.—July 1994 to current year.

GAGE.—Water-stage recorder. Datum of gage is 626 ft above sea level (levels by Miami Conservancy District).

REMARKS.—Records fair except for periods of estimated record, which are poor. Some regulation and diversion at low flow by industrial plants upstream from station. Flood flow regulated by five retarding basins upstream from station (see REMARKS for station numbers 03271500 and 03272000). Water-temperature data formerly collected at this site.

COOPERATION.—Base data furnished by Miami Conservancy District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	573	667	3220	24200	3000	3480	5220	6590	1940	8440	737	2770
2	604	724	4410	21200	2850	3270	5690	5570	1840	5330	657	2700
3	559	868	4260	26300	2750	3060	10400	4580	1800	3300	598	1960
4	545	1730	3140	32700	2710	2900	9050	3860	1760	2180	584	1350
5	540	1960	2570	41900	2730	2960	6520	3410	1710	1630	571	990
6	540	1850	2210	49200	3010	3380	5270	3080	1730	1380	617	823
7	542	1540	2120	48500	4000	4930	4560	2890	1600	1200	627	719
8	545	1220	2570	41800	14200	5400	4120	2760	1550	1110	596	659
9	531	1040	3130	33100	18500	4470	4040	2660	1690	967	536	761
10	507	985	3150	24900	16500	3660	3450	2520	1670	905	524	681
11	487	935	3170	23900	12200	3220	3050	2440	1460	865	516	605
12	515	1370	3050	38500	8010	2960	2790	2860	1570	883	622	633
13	608	1100	2980	42500	6460	2800	2810	2680	3570	874	542	619
14	588	1060	2520	41500	6570	2590	2610	4120	2450	844	492	545
15	629	1120	2120	34400	8930	2410	2470	5950	2420	852	592	534
16	621	1020	1820	28600	8400	2250	2290	4950	1950	924	576	2560
17	572	944	1640	21000	9190	2110	2150	3790	1660	1540	597	3850
18	1230	962	1490	16500	8120	2050	2070	3120	1500	1080	604	2810
19	1930	1110	1440	14300	5960	2050	2000	3120	1370	1000	598	1790
20	917	1570	1280	12200	5060	2220	1940	7730	1280	1000	540	1870
21	795	2230	1160	8540	5080	2060	1970	6460	1190	e1100	509	1420
22	741	2180	e1050	6580	5590	2010	2660	4950	1090	e1200	468	1110
23	720	1730	e940	5890	5180	3100	9030	3980	1010	e1000	464	972
24	994	1540	e840	5240	4540	3060	21000	3360	1020	e900	488	891
25	856	2590	e780	5470	4180	3100	20200	2970	995	e820	435	3930
26	771	7120	e760	5070	3750	5100	16800	2730	1420	e800	473	7090
27	771	5100	e740	4260	3360	7250	16500	2460	1320	e780	490	9450
28	772	4000	e730	3540	3230	14700	14200	2310	1770	759	498	7200
29	741	3230	e720	3390	---	14200	9670	2180	1870	731	540	4880
30	694	2930	1940	3380	---	8770	7660	2050	2660	840	778	3540
31	690	---	11900	3210	---	6450	---	2110	---	786	2930	---
TOTAL	22128	56425	73850	671770	184060	131970	202190	114240	50865	46020	19799	69712
MEAN	714	1881	2382	21670	6574	4257	6740	3685	1696	1485	639	2324
MAX	1930	7120	11900	49200	18500	14700	21000	7730	3570	8440	2930	9450
MIN	487	667	720	3210	2710	2010	1940	2050	995	731	435	534
CFSM	0.23	0.60	0.76	6.91	2.10	1.36	2.15	1.18	0.54	0.47	0.20	0.74
IN.	0.26	0.67	0.88	7.97	2.18	1.57	2.40	1.36	0.60	0.55	0.24	0.83

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994-2005, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	1567	1787	3335	5917	4101	4906	5508	5836	4603	2677	1645	1465
MAX	6589	4893	8508	21670	6574	9319	11390	13960	7646	10250	5726	5894
(WY)	2002	2004	1997	2005	2003	2003	2002	1996	2004	2003	1995	2003
MIN	352	369	560	1220	1370	1739	2306	1637	1168	918	456	282
(WY)	2000	2000	2000	2000	1995	2001	1997	1999	1999	1999	1999	1999

## SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1994-2005	
ANNUAL TOTAL	1405103		1643029			
ANNUAL MEAN	3839		4501		3626	
HIGHEST ANNUAL MEAN					4869	
LOWEST ANNUAL MEAN					1958	
HIGHEST DAILY MEAN	42700	Jan 5	49200	Jan 6	49200	Jan 6
LOWEST DAILY MEAN	487	Oct 11	435	Aug 25	220	Sep 16
ANNUAL SEVEN-DAY MINIMUM	520	Sep 23	474	Aug 22	236	Sep 15
MAXIMUM PEAK FLOW			50900		50900	
MAXIMUM PEAK STAGE			14.21		14.21	
INSTANTANEOUS LOW FLOW					110	
ANNUAL RUNOFF (CFSM)	1.22		1.44		1.16	
ANNUAL RUNOFF (INCHES)	16.68		19.50		15.72	
10 PERCENT EXCEEDS	7380		9110		8440	
50 PERCENT EXCEEDS	2740		2120		1920	
90 PERCENT EXCEEDS	682		598		572	

e Estimated.

### 03272700 Sevenmile Creek at Camden, Ohio

LOCATION.—Latitude 39°37'45", longitude 84°38'40", Preble County, Hydrologic Unit 05080002, on downstream right bank of bridge on State Highway 725 in Camden, Ohio, 0.3 mi downstream from Beasley Run, and at mile 16.2.

DRAINAGE AREA.—69.0mi<sup>2</sup>.

PERIOD OF RECORD.—December 1970 to September 2000, October 2000 to September 2002 (recording crest-stage gage), October 2002 to current year.

GAGE.—Water-stage recorder. Datum of gage is 818.57 ft above sea level (levels by Miami Conservancy District). Prior to Oct. 1, 1975 at same site, datum 3.02 ft higher.

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

COOPERATION.—Base data furnished by Miami Conservancy District.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	e19	81	e450	30	51	70	61	28	675	e8.3	9.2
2	3.3	e20	66	e300	32	44	90	53	28	62	e7.7	6.1
3	3.1	24	46	e2900	35	42	100	48	28	37	e7.2	4.9
4	3.0	29	37	922	34	43	71	39	27	28	e6.6	4.4
5	2.8	22	32	2810	39	45	61	37	26	24	e6.3	4.2
6	3.0	20	30	2510	62	50	55	39	25	22	e7.2	4.1
7	2.9	19	38	486	194	52	56	38	24	20	e8.6	4.1
8	2.9	e18	60	521	630	47	50	36	23	18	7.6	4.1
9	3.0	e17	47	311	285	41	45	35	22	17	e6.8	4.3
10	2.9	e16	51	206	176	40	42	34	22	16	e6.1	4.1
11	2.9	e18	65	687	109	41	40	33	25	16	e5.6	3.9
12	3.0	32	61	1100	82	40	40	82	23	16	e5.2	3.8
13	3.5	27	48	682	74	37	40	48	83	17	e4.8	3.9
14	4.0	23	37	653	169	35	35	366	44	17	e4.5	4.0
15	4.2	21	33	225	157	35	33	234	32	17	e4.2	4.0
16	4.7	e20	31	137	145	34	32	99	28	36	e3.8	60
17	3.8	e19	30	92	110	35	32	69	25	29	e3.6	17
18	20	21	29	70	77	34	31	57	24	20	e3.5	9.0
19	26	26	28	68	64	35	31	160	23	18	e3.5	7.0
20	19	38	23	59	63	35	30	243	22	15	e4.0	19
21	18	31	e20	53	71	33	e33	91	21	14	4.3	10
22	18	27	e30	53	63	32	38	66	20	19	3.9	8.1
23	19	25	e39	42	57	45	345	65	19	15	3.9	7.0
24	23	27	e30	42	56	42	270	50	19	13	3.8	6.6
25	19	55	e25	43	52	44	140	43	19	12	3.7	6.5
26	e18	40	e23	43	49	62	142	39	19	11	3.7	21
27	e17	33	e22	36	47	55	242	37	18	e10	3.9	15
28	e15	38	e21	32	51	913	107	37	18	e10	3.9	11
29	e14	34	e20	35	---	366	78	33	23	e9.8	3.7	9.6
30	e17	32	e140	35	---	160	72	31	116	e9.6	22	7.9
31	e20	---	e1300	32	---	98	---	30	---	e9.0	32	---
TOTAL	319.3	791	2543	15635	3013	2666	2451	2333	874	1252.4	203.9	283.8
MEAN	10.3	26.4	82.0	504	108	86.0	81.7	75.3	29.1	40.4	6.58	9.46
MAX	26	55	1300	2900	630	913	345	366	116	675	32	60
MIN	2.8	16	20	32	30	32	30	30	18	9.0	3.5	3.8
CFSM	0.15	0.38	1.19	7.31	1.56	1.25	1.18	1.09	0.42	0.59	0.10	0.14
IN.	0.17	0.43	1.37	8.43	1.62	1.44	1.32	1.26	0.47	0.68	0.11	0.15

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971-2005, BY WATER YEAR (WY)

MEAN	18.2	55.7	85.4	109	109	135	124	110	68.4	39.6	17.9	10.6
MAX	126	266	281	504	276	344	323	421	269	210	91.6	60.4
(WY)	1987	1986	1991	2005	1975	1978	1996	1989	1998	2003	1979	2003
MIN	3.31	3.77	4.58	3.46	19.2	24.9	25.2	11.3	3.84	4.27	2.95	1.68
(WY)	1998	2000	1977	1977	1978	1992	1976	1976	1988	1975	1975	1991

#### SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971-2005	
ANNUAL TOTAL	32469.0		32365.4			
ANNUAL MEAN	88.7		88.7		74.0	
HIGHEST ANNUAL MEAN					117	
LOWEST ANNUAL MEAN					28.0	
HIGHEST DAILY MEAN	4860	Jan 4	2900	Jan 3	5520	May 26
LOWEST DAILY MEAN	2.8	Oct 5	2.8	Oct 5	0.81	Sep 9
ANNUAL SEVEN-DAY MINIMUM	2.9	Oct 5	2.9	Oct 5	1.1	Sep 6
MAXIMUM PEAK FLOW			4180	Jan 5a	20200	May 26
MAXIMUM PEAK STAGE			10.59	Jan 5	18.67	May 26
INSTANTANEOUS LOW FLOW					1.2	Sep 6
ANNUAL RUNOFF (CFSM)	1.29		1.29		1.07	
ANNUAL RUNOFF (INCHES)	17.51		17.45		14.56	
10 PERCENT EXCEEDS	136		140		159	
50 PERCENT EXCEEDS	37		31		27	
90 PERCENT EXCEEDS	4.9		4.1		3.9	

a Peaks above base shown in table of peak discharges and stages at continuous-record surface-water-discharge stations.  
e Estimated.

### 03274000 Great Miami River at Hamilton, Ohio

LOCATION.—Latitude 39°23'28", longitude 84°34'20", in NE ¼ sec. 6, T.1 N., R.3 E., Butler County, Hydrologic Unit 05080002, on right bank 1,000 ft downstream from Columbia Bridge at Hamilton, Ohio, 3 mi downstream from Four Mile Creek, 4.3 mi upstream from Pleasant Run, and at mile 34.8.

DRAINAGE AREA.—3,630 mi<sup>2</sup>.

PERIOD OF RECORD.—January 1907 to June 1909 (fragmentary), January 1910 to September 1918, April 1927 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at site 0.7 mi upstream since 1911 are contained in reports of National Weather Service. Prior to October 1962 published as Miami River at Hamilton.

REVISED RECORDS.—WSP 803: 1936. WSP 1908: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 499.98 ft, National Geodetic Vertical Datum of 1912. Prior to Apr. 12, 1927, nonrecording gage at site 0.7 mi upstream at datum 64.65 ft higher.

REMARKS.—Records good except for periods of estimated record, which are fair. Some regulation and diversion at low flow by industrial plants upstream from station. Flood flow regulated by five retarding basins upstream from station beginning in 1920 (see REMARKS for station numbers 03271500 and 03272000). The Miami and Erie Canal diverted water from the basin 1.7 mi upstream from station until Nov. 1, 1930, when the canal was abandoned; amount of diversion not known. Water-temperature data formerly collected at this site.

COOPERATION.—Base data furnished by Miami Conservancy District.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 26, 1913, reached a stage of 38.5 ft, site and datum then in use; discharge, 352,000 ft<sup>3</sup>/s, computed by Miami Conservancy District.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
1	624	765	3330	24300	e3000	3750	5590	e7000	2170	11700	912	2810				
2	653	838	4120	21300	e3000	3700	5640	5740	2120	6310	847	2920				
3	626	1060	4310	29500	e3050	3700	9720	4710	2080	3910	762	2200				
4	595	1760	3330	34800	e3100	3700	e9240	4030	2050	2580	676	1580				
5	609	2220	2670	50700	3200	3700	6820	3560	2000	1940	687	1160				
6	621	1960	2310	65700	3500	3700	5400	3220	1970	1630	811	960				
7	655	1720	2310	52900	4280	4080	4720	3010	1920	1450	840	842				
8	646	1370	2730	46200	14400	5260	4290	2870	1820	1410	e810	754				
9	591	1180	3210	34500	19000	4520	4110	2760	1900	1250	631	848				
10	564	1090	3610	25200	16800	3830	3640	2600	1970	1150	665	771				
11	535	1060	3440	24200	13000	3430	3240	2570	1860	1090	652	658				
12	548	1450	3430	39700	8660	3190	2960	3020	1900	1010	750	660				
13	670	1350	3210	42000	6880	3030	2980	2970	4310	1040	729	661				
14	689	1200	2770	45600	7080	2830	2760	4440	3250	1050	614	609				
15	716	1240	2270	35600	9100	2640	2600	7260	2930	1060	703	569				
16	778	1180	2000	29000	9090	2420	2420	5780	2400	1130	e760	1560				
17	689	1080	1920	22100	9210	2250	2250	4500	2010	1780	e712	3900				
18	1270	1050	1640	17000	8700	2200	2190	3700	1770	1530	e702	2980				
19	2700	1430	1500	14700	6330	2190	2100	3720	1640	1280	e749	2000				
20	1210	1810	1470	12700	5230	2400	2070	8380	1580	1260	e720	2040				
21	980	2220	1230	9540	5170	2220	2180	7410	1440	1180	e710	1650				
22	879	2430	1380	7100	5500	2140	2670	5540	1330	1340	e699	1240				
23	868	1960	e1000	6350	5240	3400	7460	4510	1280	1240	676	1060				
24	1170	1710	e900	5470	4660	3450	e19200	3860	1230	942	622	930				
25	1030	2000	e820	5640	4310	3250	e18000	3410	1210	850	594	2690				
26	905	e6610	e800	5380	3930	4310	e16100	3070	1650	796	663	6680				
27	883	e5110	e840	4670	3590	7160	16300	2830	1670	777	655	8610				
28	898	4070	e1000	3960	3430	21000	e14900	2700	e1570	812	674	7190				
29	874	3280	1500	e3600	---	16900	e9000	2520	2080	746	667	4870				
30	828	2970	2410	e3300	---	10200	e8110	2360	2330	920	e1130	3540				
31	790	---	14200	e3100	---	7260	---	2340	---	913	3600	---				
TOTAL	26094	59173	81660	725810	192440	147810	198660	126390	59440	56076	25422	68942				
MEAN	842	1972	2634	23410	6873	4768	6622	4077	1981	1809	820	2298				
MAX	2700	6610	14200	65700	19000	21000	19200	8380	4310	11700	3600	8610				
MIN	535	765	800	3100	3000	2140	2070	2340	1210	746	594	569				
CFSM	0.23	0.54	0.73	6.45	1.89	1.31	1.82	1.12	0.55	0.50	0.23	0.63				
IN.	0.27	0.61	0.84	7.44	1.97	1.51	2.04	1.30	0.61	0.57	0.26	0.71				
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927-2005, BY WATER YEAR (WY)																
MEAN	1133	1991	3344	5200	5180	6030	5873	4361	3304	2281	1409	1063				
MAX	6728	10060	13280	29460	14410	15590	13760	17390	14860	10100	7613	6861				
(WY)	1987	1973	1991	1937	1950	1963	1964	1996	1958	2003	1979	2003				
MIN	279	286	323	434	502	826	1219	602	445	335	391	319				
(WY)	1964	1935	1935	1977	1964	1941	1941	1934	1934	1936	1936	1963				
SUMMARY STATISTICS																
ANNUAL TOTAL				1497227				1767917								
ANNUAL MEAN				4091				4844								
HIGHEST ANNUAL MEAN												5778				
LOWEST ANNUAL MEAN												931				
HIGHEST DAILY MEAN				57500				Jan 5				65700				
LOWEST DAILY MEAN				523				Sep 28				535				
ANNUAL SEVEN-DAY MINIMUM				550				Sep 24				594				
MAXIMUM PEAK FLOW												71500				
MAXIMUM PEAK STAGE												75.61				
INSTANTANEOUS LOW FLOW												440				
ANNUAL RUNOFF (CFSM)				1.13				1.33				0.94				
ANNUAL RUNOFF (INCHES)				15.34				18.12				12.80				
10 PERCENT EXCEEDS				7670				9360				7800				
50 PERCENT EXCEEDS				2720				2310				1670				
90 PERCENT EXCEEDS				713				707				514				

e Estimated.