

Surface-Water Records—Hocking River Basin

03157000 Clear Creek near Rockbridge, Ohio

LOCATION.—Latitude 39°35'18", longitude 82°34'43", in NE ¼ sec. 20, T.13 N., R.18 W., Hocking County, Hydrologic Unit 05030204, on left bank at upstream side of county road bridge, 400 ft downstream from unnamed right bank tributary, 2 mi upstream from mouth, and 3 mi west of Rockbridge, Ohio.

DRAINAGE AREA.—89 mi².

PERIOD OF RECORD.—October 1939 to current year.

REVISED RECORDS.—WSP 1305: 1940(M), 1943(M), 1945(M). WSP 1907: Drainage area.

GAGE.—Water-stage recorder and crest gage. Datum of gage is 760.13 ft, National Geodetic Vertical Datum of 1912. Prior to May 2, 1940, nonrecording gage at same site and datum.

REMARKS.—Records poor Oct. 1 to Mar.15; records good Mar. 16 to Sept. 30. 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	38	62	543	137	93	119	167	124	44	40	13	39
2	39	66	269	118	89	94	705	111	42	25	13	21
3	38	94	186	413	92	e92	581	103	43	21	12	17
4	35	234	176	553	94	e88	263	94	40	20	12	16
5	38	182	117	544	99	e86	198	85	37	23	12	14
6	32	120	109	506	127	e90	165	81	35	27	20	14
7	33	98	132	496	208	119	151	78	35	20	19	13
8	31	80	132	512	465	e312	136	74	35	19	15	13
9	31	71	159	403	321	e155	118	70	77	18	13	13
10	30	73	312	281	278	e120	108	68	44	17	13	13
11	31	68	174	410	176	e100	99	64	38	17	13	12
12	39	178	152	586	155	e90	94	67	37	17	13	12
13	48	122	126	638	177	e82	95	62	35	18	12	12
14	46	96	103	525	254	e76	83	97	33	22	11	12
15	58	84	95	393	250	e73	77	82	32	21	11	12
16	58	81	94	304	190	73	73	66	31	22	12	13
17	46	97	91	229	166	71	71	61	30	22	12	13
18	172	370	88	190	151	68	70	58	28	19	14	13
19	461	419	85	192	138	70	69	63	26	18	18	13
20	166	340	232	158	146	91	67	82	25	18	14	17
21	310	199	232	129	145	76	63	67	24	23	15	15
22	140	155	101	127	111	72	89	60	23	21	12	14
23	81	136	679	112	81	96	486	60	22	17	12	15
24	128	143	352	136	83	112	614	55	21	16	11	18
25	98	322	192	127	80	92	530	52	21	15	11	26
26	82	228	133	125	82	103	253	50	20	15	11	26
27	71	206	102	115	79	93	221	48	20	15	13	27
28	68	146	91	122	89	1140	167	55	19	16	13	18
29	65	118	95	121	---	569	146	51	20	15	26	19
30	66	128	120	114	---	277	144	47	22	13	41	18
31	66	---	147	102	---	205	---	48	---	13	125	---
TOTAL	2645	4716	5619	8918	4419	4904	6103	2183	959	603	562	498
MEAN	85.3	157	181	288	158	158	203	70.4	32.0	19.5	18.1	16.6
MAX	461	419	679	638	465	1140	705	124	77	40	125	39
MIN	30	62	85	102	79	68	63	47	19	13	11	12
CFSM	0.96	1.77	2.04	3.23	1.77	1.78	2.29	0.79	0.36	0.22	0.20	0.19
IN.	1.11	1.97	2.35	3.73	1.85	2.05	2.55	0.91	0.40	0.25	0.23	0.21
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940-2005, BY WATER YEAR (WY)												
MEAN	30.0	54.5	89.5	119	144	168	156	124	76.9	55.4	43.4	30.3
MAX	126	327	351	324	321	585	365	554	287	280	292	213
(WY)	1976	1986	1991	1949	1979	1945	1940	1968	1941	1948	1979	1979
MIN	11.5	13.1	12.8	20.5	18.8	39.1	41.3	31.1	14.9	13.3	11.5	9.37
(WY)	1964	1965	1964	1977	1954	1941	1941	1988	1988	1999	1999	1999
SUMMARY STATISTICS												
				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1940-2005		
ANNUAL TOTAL				56237			42129					
ANNUAL MEAN				154			115			90.6		
HIGHEST ANNUAL MEAN										164		
LOWEST ANNUAL MEAN										28.8		
HIGHEST DAILY MEAN				2000	Jan 5		1140	Mar 28		4690	May 24	1968
LOWEST DAILY MEAN				15	Sep 6		11	Aug 14		3.5	Aug 27	1942
ANNUAL SEVEN-DAY MINIMUM				18	Sep 1		12	Aug 22		6.3	Aug 25	1942
MAXIMUM PEAK FLOW							2170	Mar 28a		16000	Jul 22	1948
MAXIMUM PEAK STAGE							7.27	Mar 28		17.68	Jul 22	1948
INSTANTANEOUS LOW FLOW							11	Aug 3		3.0	Jul 31	1991
ANNUAL RUNOFF (CFSM)				1.73			1.30			1.02		
ANNUAL RUNOFF (INCHES)				23.51			17.61			13.84		
10 PERCENT EXCEEDS				342			272			185		
50 PERCENT EXCEEDS				90			77			45		
90 PERCENT EXCEEDS				39			14			16		

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

e Estimated.

03157500 Hocking River at Enterprise, Ohio

LOCATION.—Latitude 39°33'54", longitude 82°28'29", in NW ¼ sec. 5, T.14 N., R.17 W., Hocking County, Hydrologic Unit 05030204, on right bank at upstream side of bridge at Enterprise, Ohio, 4.0 mi downstream from Buck Run, and 4.3 mi upstream from Scott Creek.

DRAINAGE AREA.—459 mi².

PERIOD OF RECORD.—October 1930 to current year. Prior to May 1931 monthly discharge only, published in WSP 1305.

REVISED RECORDS.—WSP 873: 1938. WDR-OH-70-1: 1969. WSP 1907: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 723.58 ft above sea level. Prior to Oct. 24, 1933, nonrecording gage at same site and datum.

REMARKS.—Records good. Flood flow affected by temporary retention in eight retarding basins, combined capacity, 8,710 acre-ft, constructed between 1955 and 1961 upstream from station. Water-quality data formerly collected at this site. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in Mar. 1907 reached a stage of 22.0 ft from flood mark; discharge, 36,000 ft³/s from reports of 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	170	317	2230	639	482	851	1060	746	273	416	70	377		
2	162	300	1790	571	464	746	3130	634	253	235	68	191		
3	155	363	1140	1390	472	654	3740	567	247	149	67	126		
4	149	649	831	5230	485	625	1890	509	235	123	66	99		
5	140	908	678	7120	494	621	1340	464	220	118	66	87		
6	133	585	596	13300	579	735	1040	441	207	160	73	81		
7	129	472	623	9920	784	765	880	418	193	126	74	77		
8	126	405	721	6760	1470	1710	790	398	184	105	69	74		
9	124	359	617	3000	1390	1130	678	374	257	95	67	72		
10	122	330	1710	1910	1260	860	614	360	210	90	65	70		
11	118	314	1210	2520	945	755	560	350	238	87	82	68		
12	117	743	962	7990	792	701	523	397	201	85	70	67		
13	145	762	785	5700	732	640	527	366	182	90	66	66		
14	147	520	645	4800	855	559	479	555	169	99	62	66		
15	157	438	553	2700	1440	514	435	665	162	95	61	66		
16	180	415	505	1850	1100	480	408	465	159	125	63	67		
17	157	425	476	1450	958	461	389	398	151	152	66	75		
18	278	1060	445	1180	787	443	382	360	137	124	70	67		
19	1680	1360	429	1050	663	429	372	352	128	113	88	66		
20	966	1750	334	962	625	556	360	507	121	102	72	74		
21	1500	1130	382	871	660	507	351	493	131	114	73	73		
22	762	815	427	811	630	459	432	403	134	99	67	69		
23	514	685	3550	683	570	519	1900	376	119	88	65	70		
24	564	636	3680	603	541	612	3460	399	109	81	61	254		
25	487	1650	1650	680	529	535	3100	355	102	79	58	299		
26	400	1280	1090	675	519	606	1750	320	98	83	58	202		
27	357	876	767	589	498	587	1430	294	94	87	61	217		
28	356	775	606	484	522	3030	1070	308	95	81	63	135		
29	330	665	561	538	---	4440	858	365	121	78	113	138		
30	330	589	598	525	---	2010	820	309	140	74	159	118		
31	358	---	649	506	---	1380	---	297	---	71	885	---		
TOTAL	11313	21576	31240	87007	21246	28920	34768	13245	5070	3624	3048	3511		
MEAN	365	719	1008	2807	759	933	1159	427	169	117	98.3	117		
MAX	1680	1750	3680	13300	1470	4440	3740	746	273	416	885	377		
MIN	117	300	334	484	464	429	351	294	94	71	58	66		
CFSM	0.80	1.57	2.20	6.11	1.65	2.03	2.52	0.93	0.37	0.25	0.21	0.25		
IN.	0.92	1.75	2.53	7.05	1.72	2.34	2.82	1.07	0.41	0.29	0.25	0.28		
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932-2005, BY WATER YEAR (WY)														
MEAN	129	255	432	672	776	932	856	624	383	272	219	161		
MAX	670	1864	1844	3605	1899	2875	2228	2499	1446	1437	1686	1087		
(WY)	1976	1986	1991	1937	1979	1945	1940	1968	1981	1958	1980	1979		
MIN	33.4	41.1	40.5	100	58.0	181	184	95.3	68.1	60.4	39.9	30.4		
(WY)	1954	1954	1964	1977	1954	1941	1941	1934	1936	1999	1932	1953		
SUMMARY STATISTICS														
				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 1932-2005		
ANNUAL TOTAL				297402			264568							
ANNUAL MEAN				813			725			474				
HIGHEST ANNUAL MEAN										860				
LOWEST ANNUAL MEAN										110				
HIGHEST DAILY MEAN				10300	Jan 5		13300	Jan 6		21600	Apr 20	1940		
LOWEST DAILY MEAN				62	Sep 7		58	Aug 25		23	Aug 12	1944		
ANNUAL SEVEN-DAY MINIMUM				68	Sep 1		62	Aug 22		27	Aug 7	1944		
MAXIMUM PEAK FLOW							15200	Jan 6a		26000	Mar 10	1964		
MAXIMUM PEAK STAGE							18.15	Jan 6		21.31	Mar 10	1964		
INSTANTANEOUS LOW FLOW										23	Aug 12	1944		
ANNUAL RUNOFF (CFSM)				1.77			1.58			1.03				
ANNUAL RUNOFF (INCHES)				24.10			21.44			14.04				
10 PERCENT EXCEEDS				1710			1440			1060				
50 PERCENT EXCEEDS				493			427			216				
90 PERCENT EXCEEDS				128			73			59				

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

03158200 Monday Creek at Doanville, Ohio

LOCATION.—Latitude 39°26'07", longitude 82°11'30", Athens County, Hydrologic Unit 05030204, on right bank 75 ft upstream from Lang Street bridge in Doanville, Ohio, 1.75 mi above mouth, and 2.5 mi south of Nelsonville, Ohio.

DRAINAGE AREA.—114 mi².

Water-Discharge Records

PERIOD OF RECORD.—May 1997 to current year. Low-flow site 1961-71.

REVISED RECORDS.—WDR OH-00-1: 1999(P).

GAGE.—Water stage recorder. Elevation of gage is 650 ft above sea level (from topographic map).

REMARKS.—Records fair except for periods of estimated record which are poor. Four-parameter water-quality monitor at site. Satellite transmitter at 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	35	75	812	126	106	425	274	325	58	138	8.7	112	
2	32	60	704	113	104	281	1100	232	52	70	8.0	45	
3	31	63	306	160	111	202	1440	192	50	34	7.4	27	
4	29	85	204	1100	118	188	662	167	47	24	7.0	19	
5	27	171	162	1770	119	190	365	148	43	20	7.0	15	
6	26	116	146	e3500	129	248	285	138	39	55	7.2	12	
7	24	93	151	e2300	156	265	245	126	35	35	7.2	11	
8	23	74	179	e1500	270	326	223	116	33	23	6.8	10	
9	22	59	169	1070	356	247	189	104	45	19	6.6	9.5	
10	21	52	581	488	374	186	169	96	44	16	6.5	8.9	
11	20	48	361	676	241	168	154	91	33	14	6.4	8.1	
12	20	147	265	2700	189	162	141	105	29	13	6.1	8.0	
13	20	202	207	1920	170	154	145	102	28	12	5.9	7.6	
14	21	117	167	1370	290	134	132	122	27	12	5.6	7.0	
15	21	95	140	998	470	120	115	203	27	13	5.4	6.7	
16	22	87	125	501	306	112	105	123	26	28	5.5	7.1	
17	24	99	119	366	235	107	98	96	25	90	5.5	7.7	
18	41	226	112	262	183	102	94	83	24	43	16	8.9	
19	299	340	106	256	142	99	90	79	22	32	117	9.3	
20	265	590	80	233	147	154	86	206	21	26	31	8.8	
21	282	291	100	203	156	143	81	220	20	20	15	8.6	
22	121	183	88	187	144	120	85	129	19	19	10	7.9	
23	86	147	721	e130	124	158	800	105	18	19	8.5	7.9	
24	86	152	1310	e120	120	214	1380	103	17	15	7.2	7.4	
25	91	513	389	e110	118	165	1190	89	16	20	6.5	22	
26	66	367	213	e105	118	180	540	76	15	23	6.5	23	
27	57	212	145	e100	117	165	554	66	15	14	7.4	27	
28	61	193	123	96	157	739	357	67	14	12	9.1	23	
29	58	170	126	117	---	1930	270	91	15	11	29	21	
30	57	143	123	111	---	929	322	72	29	12	48	49	
31	98	---	126	108	---	370	---	64	---	9.9	232	---	
TOTAL	2086	5170	8560	22796	5270	8983	11691	3936	886	891.9	656.0	545.4	
MEAN	2086	5170	8560	22796	5270	8983	11691	3936	886	891.9	656.0	545.4	
MAX	67.3	172	276	735	188	290	390	127	29.5	28.8	21.2	18.2	
MIN	299	590	1310	3500	470	1930	1440	325	58	138	232	112	
MED	20	48	80	96	104	99	81	64	14	9.9	5.4	6.7	
CFSM	32	145	162	256	152	180	234	105	27	20	7.2	9.4	
IN.	0.59	1.51	2.42	6.45	1.65	2.54	3.42	1.11	0.26	0.25	0.19	0.16	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997-2005, BY WATER YEAR (WY)													
MEAN	27.6	71.4	114	242	176	207	256	188	121	40.0	64.3	60.1	
MAX	71.0	236	276	735	242	290	390	340	240	86.1	347	253	
(WY)	2004	2004	2005	2005	2004	2005	2005	2004	2004	2003	1997	2004	
MIN	8.15	14.1	29.4	60.4	59.5	178	112	52.3	15.8	9.03	7.79	5.43	
(WY)	2000	1999	1999	2001	2002	2004	2003	1999	1999	1999	2002	1998	
SUMMARY STATISTICS													
				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 1997-2005	
ANNUAL TOTAL				75050				71471.3					
ANNUAL MEAN				205				196					
HIGHEST ANNUAL MEAN												208	
LOWEST ANNUAL MEAN												81.8	
HIGHEST DAILY MEAN				2200		Jan 5		3500		Jan 6		4200	
LOWEST DAILY MEAN				13		Sep 6		5.4		Aug 15		3.2	
ANNUAL SEVEN-DAY MINIMUM				15		Sep 1		5.8		Aug 11		3.6	
MAXIMUM PEAK FLOW								4250		Jan 6		5300	
MAXIMUM PEAK STAGE								19.06		Jan 6		19.60	
INSTANTANEOUS LOW FLOW								5.1		Aug 17		3.0	
ANNUAL RUNOFF (CFSM)				1.80								1.12	
ANNUAL RUNOFF (INCHES)				24.49				23.32				15.19	
10 PERCENT EXCEEDS				486				368				289	
50 PERCENT EXCEEDS				120				102				52	
90 PERCENT EXCEEDS				27				9.0				8.5	

e Estimated.

03158200 Monday Creek at Doanville, Ohio—Continued

Water-Quality Records

PERIOD OF RECORD.—June 1997 to current year.

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 1997 to current year.

pH: June 1997 to current year.

WATER TEMPERATURE: June 1997 to current year.

DISSOLVED OXYGEN: June 1997 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 instrument. Specific conductance and water temperature records are good except April 12-May 1, which are fair. pH records are good except Apr. 2-13, which are poor, and Apr. 14-May 1, which are fair. Dissolved oxygen records are fair except Nov. 23-Dec. 7 and Dec. 21-Jan. 21, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum, 1,110 microsiemens, Sept. 20, 1998; minimum, 136 microsiemens, Sept. 17, 2004.

pH: Maximum, 7.5 units Mar. 23, 2001; minimum, 3.0 units May 30, 1998.

WATER TEMPERATURE: Maximum, 28°C, July 5, 6, 23, 24, and 31, 1999; minimum, 0.0°C, on many days during winter.

DISSOLVED OXYGEN: Maximum, 15.3 mg/L, Dec. 25, 1999; minimum, 3.5 mg/L, May 28, 2004.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 997 microsiemens, Aug. 18; minimum, 170 microsiemens, Jan. 6.

pH: Maximum, 6.9 units, Sept. 30; minimum, 3.7 units, June 29-30 and Aug. 18-19.

WATER TEMPERATURE: Maximum, 26.2°C, Aug. 13; minimum, 0.2°C, Jan. 24.

DISSOLVED OXYGEN: Maximum, 14.8 mg/L, Dec. 28; minimum, 6.3 mg/L, Aug. 14-16 and 18.

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	698	687	691	590	559	579	453	277	336	529	525	526
2	701	697	698	579	559	572	346	277	310	533	527	530
3	711	701	706	589	577	583	390	346	369	538	465	528
4	720	711	716	590	576	583	425	390	409	465	275	342
5	723	720	721	582	547	565	455	425	439	294	180	235
6	732	723	727	547	510	516	470	455	462	184	170	176
7	737	732	733	538	518	529	483	465	473	292	172	211
8	744	737	741	554	538	546	480	469	475	396	292	361
9	749	744	747	571	554	563	488	449	481	466	396	426
10	754	749	752	583	571	577	449	337	375	536	466	503
11	757	753	755	591	583	587	382	345	362	566	230	506
12	757	753	755	588	529	567	407	382	395	230	189	205
13	765	752	759	529	469	493	437	407	421	432	221	324
14	769	762	766	498	470	484	458	437	446	444	347	391
15	773	767	770	520	498	509	479	458	469	512	353	436
16	784	771	778	536	520	529	500	478	491	606	512	562
17	795	783	791	537	517	534	510	500	505	686	606	644
18	795	656	770	519	440	488	525	510	519	775	686	730
19	710	480	634	453	381	418	538	525	531	782	763	773
20	526	371	448	397	327	351	570	538	555	784	774	780
21	482	383	414	403	359	380	591	566	575	810	784	793
22	476	413	444	433	403	419	592	587	590	827	807	817
23	521	476	500	458	433	445	589	271	440	875	818	840
24	552	521	543	465	450	462	326	240	265	916	870	891
25	573	546	556	450	342	398	402	326	369	907	834	863
26	579	573	576	378	341	358	452	402	424	871	842	856
27	591	579	584	415	378	398	487	452	467	863	841	848
28	600	591	594	429	415	424	511	487	500	926	855	892
29	614	595	603	444	429	436	535	507	520	910	833	869
30	615	601	611	457	444	452	532	527	530	886	851	867
31	618	590	607	---	---	---	532	528	530	863	824	844
MONTH	795	371	661	591	327	492	592	240	453	926	170	599

03158200 Monday Creek at Doanville, 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	5.0	4.9	4.9	6.5	6.3	6.4	6.7	6.4	6.6	5.9	5.8	5.9
2	4.9	4.9	4.9	6.3	6.2	6.3	6.6	6.4	6.4	5.9	5.7	5.7
3	4.9	4.9	4.9	6.3	6.2	6.2	6.4	6.4	6.4	5.7	5.6	5.7
4	4.9	4.9	4.9	6.3	6.2	6.3	6.4	6.3	6.4	6.3	5.7	6.3
5	4.9	4.8	4.9	6.8	6.2	6.6	6.3	6.3	6.3	6.3	6.1	6.1
6	4.8	4.8	4.8	6.7	6.6	6.6	6.3	6.2	6.2	6.2	6.1	6.2
7	4.8	4.8	4.8	6.6	6.5	6.5	6.4	6.2	6.2	6.1	5.7	6.0
8	4.8	4.8	4.8	6.5	6.4	6.4	6.6	6.4	6.6	5.7	5.0	5.1
9	4.8	4.8	4.8	6.4	6.3	6.4	6.6	6.4	6.5	5.0	4.6	4.8
10	4.8	4.8	4.8	6.3	6.2	6.3	6.7	6.3	6.5	4.6	4.5	4.5
11	4.8	4.7	4.7	6.2	6.2	6.2	6.4	6.3	6.4	4.7	4.4	4.5
12	4.7	4.7	4.7	6.4	6.1	6.2	6.3	6.3	6.3	5.6	4.7	5.3
13	4.7	4.7	4.7	6.6	6.4	6.6	6.3	6.2	6.3	5.6	4.6	5.3
14	4.7	4.7	4.7	6.6	6.5	6.6	6.2	6.1	6.2	4.7	4.5	4.6
15	4.7	4.7	4.7	6.5	6.5	6.5	6.1	6.0	6.1	4.7	4.5	4.5
16	4.7	4.6	4.7	6.5	6.4	6.5	6.0	5.9	6.0	4.5	4.4	4.4
17	4.7	4.6	4.6	6.5	6.4	6.5	5.9	5.9	5.9	4.4	4.3	4.4
18	4.8	4.7	4.7	6.7	6.5	6.6	5.9	5.9	5.9	4.3	4.3	4.3
19	6.6	4.7	6.1	6.7	6.5	6.6	5.9	5.9	5.9	4.3	4.3	4.3
20	6.6	5.6	6.4	6.7	6.6	6.6	5.9	5.5	5.9	4.3	4.3	4.3
21	6.6	6.4	6.6	6.6	6.6	6.6	5.8	5.5	5.6	4.3	4.2	4.3
22	6.5	6.3	6.4	6.6	6.5	6.5	5.8	5.6	5.7	4.2	4.1	4.2
23	6.3	6.2	6.3	6.5	6.5	6.5	6.5	5.8	6.0	4.2	4.1	4.2
24	6.2	5.9	6.0	6.5	6.4	6.5	6.5	6.2	6.5	4.1	4.0	4.0
25	6.3	6.1	6.3	6.7	6.4	6.6	6.2	6.0	6.1	4.3	4.0	4.2
26	6.3	6.2	6.2	6.7	6.5	6.6	6.1	6.0	6.1	4.3	4.2	4.3
27	6.2	6.0	6.2	6.5	6.5	6.5	6.0	5.8	6.0	4.3	4.2	4.3
28	6.2	6.0	6.0	6.6	6.5	6.5	5.8	5.5	5.7	4.2	4.0	4.1
29	6.2	6.1	6.2	6.6	6.5	6.5	5.8	5.7	5.8	4.3	4.1	4.2
30	6.1	6.1	6.1	6.5	6.4	6.4	5.8	5.7	5.8	4.3	4.2	4.2
31	6.5	6.0	6.2	---	---	---	5.8	5.8	5.8	4.4	4.3	4.3
MAX	6.6	6.4	6.6	6.8	6.6	6.6	6.7	6.4	6.6	6.3	6.1	6.3
MIN	4.7	4.6	4.6	6.2	6.1	6.2	5.8	5.5	5.6	4.1	4.0	4.0

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
1	4.4	4.3	4.4	5.7	4.8	5.4	5.5	5.0	5.3	5.9	5.5	5.8
2	4.4	4.4	4.4	5.7	5.5	5.6	6.1	5.0	6.0	5.5	5.1	5.3
3	4.5	4.4	4.4	5.5	5.2	5.4	6.1	6.1	6.1	5.1	4.9	5.1
4	4.5	4.2	4.4	5.2	5.0	5.2	6.1	6.1	6.1	5.0	4.8	4.9
5	4.5	4.3	4.4	5.2	5.0	5.1	6.1	6.1	6.1	5.0	4.8	4.8
6	4.6	4.4	4.5	5.6	5.1	5.5	6.1	6.0	6.0	4.9	4.6	4.7
7	4.7	4.6	4.7	5.7	5.5	5.6	6.0	6.0	6.0	4.6	4.5	4.6
8	5.0	4.7	4.8	5.9	5.4	5.5	6.0	6.0	6.0	4.6	4.5	4.5
9	5.1	5.0	5.0	6.0	5.2	5.7	6.0	5.9	5.9	4.5	4.5	4.5
10	5.3	5.0	5.3	5.2	5.0	5.1	5.9	5.9	5.9	4.5	4.4	4.5
11	5.2	4.8	5.0	5.0	4.9	5.0	5.9	5.8	5.8	4.5	4.4	4.4
12	4.8	4.8	4.8	4.9	4.9	4.9	5.8	5.7	5.8	4.6	4.3	4.4
13	4.8	4.7	4.8	4.9	4.9	4.9	5.7	4.9	5.7	4.7	4.6	4.6
14	5.1	4.7	4.7	4.9	4.8	4.9	5.0	5.0	5.0	4.8	4.6	4.7
15	5.7	5.1	5.5	4.8	4.8	4.8	5.1	5.0	5.0	6.1	4.8	5.9
16	5.4	5.0	5.1	4.8	4.8	4.8	5.1	4.9	5.0	5.9	5.0	5.5
17	5.0	4.9	5.0	4.8	4.8	4.8	5.0	4.9	5.0	5.0	4.8	4.9
18	4.9	4.8	4.8	4.9	4.8	4.8	5.0	5.0	5.0	4.9	4.8	4.8
19	4.8	4.7	4.8	4.8	4.7	4.8	5.0	4.8	4.9	4.8	4.8	4.8
20	4.8	4.7	4.7	5.2	4.7	4.8	4.9	4.8	4.8	6.3	4.8	4.9
21	4.7	4.7	4.7	5.2	5.1	5.2	4.9	4.8	4.9	6.4	6.2	6.4
22	4.7	4.7	4.7	5.1	4.9	5.0	4.9	4.8	4.9	6.2	5.7	6.0
23	4.7	4.7	4.7	5.1	4.9	4.9	5.8	4.9	5.4	5.7	5.3	5.5
24	4.7	4.6	4.6	5.7	5.1	5.6	6.0	5.8	5.9	5.4	5.2	5.3
25	4.7	4.7	4.7	5.6	5.3	5.5	6.0	6.0	6.0	5.4	5.2	5.3
26	4.7	4.7	4.7	5.4	5.2	5.2	6.0	6.0	6.0	5.2	5.0	5.2
27	4.7	4.7	4.7	5.4	5.3	5.3	6.0	5.8	6.0	5.0	4.9	5.0
28	4.8	4.7	4.7	5.7	5.2	5.2	5.9	5.8	5.9	4.9	4.9	4.9
29	---	---	---	6.2	5.7	6.0	5.9	5.5	5.8	5.3	4.9	5.0
30	---	---	---	6.2	5.8	6.0	5.8	5.3	5.6	5.4	5.3	5.3
31	---	---	---	5.8	5.5	5.7	---	---	---	5.3	5.0	5.1
MAX	5.7	5.1	5.5	6.2	5.8	6.0	6.1	6.1	6.1	6.4	6.2	6.4
MIN	4.4	4.2	4.4	4.8	4.7	4.8	4.9	4.8	4.8	4.5	4.3	4.4

03158200 Monday Creek at Doanville, 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	5.0	4.9	5.0	6.4	4.1	5.2	4.2	4.1	4.1	6.5	6.3	6.5
2	4.9	4.9	4.9	6.4	6.0	6.2	4.1	4.1	4.1	6.5	6.3	6.4
3	4.9	4.9	4.9	6.0	5.1	5.6	4.1	4.1	4.1	6.3	6.0	6.1
4	4.9	4.8	4.9	5.1	4.5	4.7	4.1	4.1	4.1	6.0	5.7	5.9
5	4.8	4.8	4.8	4.5	4.3	4.4	4.1	4.0	4.1	5.7	5.4	5.6
6	4.8	4.8	4.8	5.7	4.2	4.3	4.0	4.0	4.0	5.4	4.9	5.1
7	---	---	---	5.8	5.6	5.8	4.0	3.9	4.0	4.9	4.5	4.6
8	---	---	---	5.6	4.6	4.9	4.0	3.9	3.9	4.5	4.3	4.4
9	---	---	---	4.6	4.5	4.5	3.9	3.9	3.9	4.3	4.3	4.3
10	4.7	4.5	4.6	4.5	4.4	4.5	4.0	3.9	3.9	4.3	4.2	4.2
11	4.6	4.4	4.5	4.4	4.4	4.4	3.9	3.9	3.9	4.2	4.2	4.2
12	4.4	4.3	4.4	4.4	4.3	4.4	3.9	3.9	3.9	4.2	4.2	4.2
13	4.3	4.3	4.3	4.3	4.3	4.3	3.9	3.9	3.9	4.2	4.2	4.2
14	4.4	4.3	4.3	4.3	4.3	4.3	3.9	3.9	3.9	4.5	4.1	4.2
15	4.3	4.0	4.1	---	---	---	3.9	3.9	3.9	4.3	4.2	4.2
16	4.1	4.1	4.1	---	---	---	3.9	3.8	3.8	4.3	4.2	4.3
17	4.1	4.1	4.1	5.7	4.7	4.9	3.8	3.8	3.8	4.3	4.2	4.2
18	4.1	4.1	4.1	5.8	5.0	5.4	3.8	3.7	3.8	4.3	4.2	4.2
19	4.1	4.0	4.1	5.0	4.3	4.4	6.5	3.7	5.9	4.6	4.2	4.5
20	4.1	4.0	4.0	4.9	4.5	4.8	6.3	5.4	5.5	4.6	4.4	4.5
21	4.0	4.0	4.0	4.9	4.4	4.5	5.7	5.1	5.6	4.4	4.4	4.4
22	4.0	4.0	4.0	4.5	4.2	4.3	5.1	4.9	4.9	4.4	4.4	4.4
23	4.0	3.9	3.9	4.2	4.1	4.1	5.0	4.8	4.9	4.5	4.4	4.4
24	3.9	3.9	3.9	4.3	4.2	4.3	4.8	4.5	4.6	4.5	4.4	4.4
25	3.9	3.9	3.9	4.3	4.1	4.2	4.5	4.4	4.5	6.1	4.4	4.4
26	3.9	3.8	3.8	4.4	4.2	4.3	4.5	4.4	4.4	6.1	5.5	6.0
27	3.8	3.8	3.8	4.3	4.2	4.2	4.4	4.3	4.4	5.7	4.7	5.0
28	3.8	3.8	3.8	4.2	4.1	4.2	4.3	4.2	4.3	6.5	5.7	6.3
29	3.8	3.7	3.7	4.2	4.1	4.1	4.6	4.1	4.3	6.6	6.0	6.5
30	4.3	3.7	4.2	4.2	4.1	4.2	6.2	4.4	5.9	6.9	5.7	6.8
31	---	---	---	4.2	4.2	4.2	6.3	4.9	5.8	---	---	---
MAX	5.0	4.9	5.0	6.4	6.0	6.2	6.5	5.4	5.9	6.9	6.3	6.8
MIN	3.8	3.7	3.7	4.2	4.1	4.1	3.8	3.7	3.8	4.2	4.1	4.2
YEAR	MAX	MAXIMUM 6.9 MINIMUM 3.8		MIN	MAXIMUM 6.6 MINIMUM 3.7		MEDIAN	MAXIMUM 6.8 MINIMUM 3.7				

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	16.0	14.6	15.3	13.9	12.6	13.0	9.1	6.3	8.1	7.7	6.5	7.1
2	16.1	15.5	15.7	13.8	12.5	13.2	7.9	6.2	6.8	8.6	7.7	8.0
3	15.5	14.1	14.7	13.8	12.7	13.2	6.2	5.5	5.8	10.0	8.6	9.2
4	14.4	13.0	13.8	12.9	12.3	12.6	5.6	4.7	5.1	9.9	8.7	9.2
5	13.9	12.3	13.0	12.4	10.6	11.6	5.6	4.6	5.1	8.7	7.0	7.8
6	12.6	11.1	11.9	10.6	9.3	10	7.1	5.4	6.2	7.0	6.4	6.7
7	12.3	10.7	11.6	10.6	8.9	9.8	9.9	7.1	8.4	6.4	5.8	6.0
8	13.0	11.2	12.1	10.4	8.7	9.5	9.9	9.2	9.7	6.5	5.8	6.3
9	14.1	12.7	13.3	8.7	7.1	7.8	9.2	8.4	8.6	6.9	6.4	6.6
10	14.3	13.4	13.9	7.6	6.2	7.0	8.9	8.2	8.5	7.1	6.5	6.7
11	13.8	12.1	12.8	8.3	6.9	7.6	8.9	7.9	8.6	8.1	6.7	7.1
12	12.7	11.3	12.1	8.5	8.0	8.2	7.9	6.8	7.2	8.8	8.1	8.4
13	13.0	12.0	12.4	8.1	6.9	7.6	6.8	5.3	6.1	10.4	8.8	9.7
14	13.3	13.0	13.1	6.9	5.7	6.3	5.3	3.6	4.5	10.4	7.3	9.1
15	13.2	12.2	12.8	6.0	4.9	5.5	3.6	2.7	3.2	7.3	5.0	5.8
16	12.2	11.1	11.6	6.7	5.7	6.1	2.8	1.9	2.4	5.0	3.7	4.4
17	11.1	10.0	10.7	8.3	6.7	7.3	3.5	2.7	3.0	3.7	1.6	2.4
18	10.5	9.0	9.4	10.1	8.3	9.1	3.4	2.3	2.8	1.6	0.7	1.0
19	10.4	9.2	9.7	11.6	10.1	10.9	3.5	1.4	3.0	1.7	0.8	1.2
20	12.9	10.4	11.8	12.2	11.6	11.9	1.4	0.3	0.5	2.3	1.7	2.1
21	13.8	12.8	13.5	12.1	11.7	11.9	1.3	0.3	0.6	2.2	1.5	1.9
22	13.8	12.7	13.3	11.7	10.8	11.2	2.4	1.3	2.0	1.7	1.2	1.5
23	13.3	11.9	12.5	10.8	10.5	10.7	2.9	1.9	2.4	1.2	0.5	0.8
24	14.5	12.9	13.6	11.2	10.5	10.8	1.9	0.7	1.0	0.9	0.2	0.5
25	13.9	12.6	13.4	11.2	9.2	10.5	1.1	0.3	0.7	1.8	0.8	1.2
26	13.5	11.9	12.9	9.2	6.9	7.5	1.6	0.8	1.2	2.0	1.6	1.8
27	13.5	13.1	13.3	7.4	6.5	7.0	1.4	0.7	1.0	1.8	0.9	1.4
28	14.3	13.0	13.6	7.8	7.4	7.7	1.4	0.6	1.0	1.3	0.4	0.9
29	14.6	13.3	13.8	7.5	6.8	7.1	3.1	1.3	2.1	1.8	1.0	1.4
30	15.4	14.0	14.6	7.5	6.8	7.0	4.6	3.1	3.8	2.6	1.8	2.1
31	15.3	13.9	14.5	---	---	---	6.5	4.6	5.5	2.1	1.1	1.7
MONTH	16.1	9.0	12.9	13.9	4.9	9.3	9.9	0.3	4.4	10.4	0.2	4.5

03158200 Monday Creek at Doanville, 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	---	---	---	9.5	9.0	9.3	11.4	10.9	11.1	12.9	12.7	12.8
2	---	---	---	9.5	9.3	9.4	11.3	10.9	11.1	12.7	12.4	12.6
3	---	---	---	9.6	9.3	9.4	11.6	11.3	11.4	12.4	12.0	12.2
4	---	---	---	9.7	9.5	9.6	11.7	11.5	11.6	12.2	12.0	12.1
5	---	---	---	10.1	9.6	9.8	11.7	11.6	11.7	12.7	12.1	12.5
6	---	---	---	10.5	10.1	10.3	11.6	11.3	11.5	12.8	12.5	12.7
7	---	---	---	10.6	10.4	10.5	12.1	10.6	11.3	13.0	12.8	12.9
8	---	---	---	10.8	10.4	10.6	---	---	---	13.1	12.6	12.9
9	---	---	---	11.4	10.8	11.2	---	---	---	13.1	13.0	13.1
10	---	---	---	11.7	11.4	11.5	---	---	---	13.2	13.1	13.1
11	---	---	---	11.5	11.2	11.4	10.6	10.2	10.3	13.2	12.9	13.1
12	---	---	---	11.2	11.0	11.1	11.1	10.6	10.9	12.9	12.4	12.6
13	---	---	---	11.5	11.1	11.3	11.6	11.1	11.3	12.4	11.6	11.9
14	9.6	9.1	9.3	11.9	11.5	11.8	12.5	11.6	12.1	13.0	11.7	12.4
15	9.1	8.8	8.9	12.3	11.9	12.1	13.0	12.5	12.8	13.7	12.9	13.3
16	9.1	8.8	8.9	12.1	11.8	12.0	13.3	13.0	13.2	13.9	13.7	13.8
17	9.3	9.1	9.2	11.8	11.3	11.6	13.0	12.9	13.0	14.3	13.9	14.2
18	9.9	9.3	9.5	11.3	10.5	10.9	13.1	12.7	13.0	14.4	14.2	14.3
19	9.8	9.3	9.5	10.5	9.9	10.2	13.3	12.6	12.8	14.2	13.7	14.0
20	9.3	8.9	9.1	9.9	9.6	9.7	14.0	13.3	13.8	13.8	13.4	13.6
21	8.9	8.7	8.7	9.9	9.7	9.8	13.8	13.4	13.7	13.5	13.0	13.3
22	9.0	8.7	8.9	10.0	9.8	9.9	13.5	13.4	13.4	13.0	12.7	12.9
23	9.2	8.9	9.1	10.3	10.0	10.1	13.4	13.1	13.3	13.0	12.7	12.9
24	9.0	8.6	8.7	10.3	10.0	10.2	13.8	13.3	13.6	---	---	---
25	8.9	8.6	8.7	10.4	10.0	10.1	14.1	13.3	13.8	---	---	---
26	9.5	8.8	9.1	11.3	10.4	11.0	14.1	14.0	14.1	---	---	---
27	9.2	9.1	9.2	11.5	11.2	11.3	14.6	14.1	14.4	---	---	---
28	9.2	9.1	9.2	11.3	11.1	11.2	14.8	14.6	14.7	---	---	---
29	9.2	8.9	9.1	11.5	11.2	11.4	14.6	14.0	14.3	---	---	---
30	9.0	8.6	8.9	11.5	11.4	11.5	14.1	13.5	13.8	---	---	---
31	9.0	8.6	8.8	---	---	---	13.6	12.9	13.3	---	---	---
MONTH	9.9	8.6	9.0	12.3	9.0	10.7	14.8	10.2	12.7	14.4	11.6	13.0

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	13.0	12.4	12.7	10.4	9.8	10.1	---	---	---
2	---	---	---	13.6	13.0	13.4	---	---	---	9.7	8.3	8.9
3	---	---	---	13.8	13.4	13.7	---	---	---	9.8	8.7	9.3
4	---	---	---	13.6	13.4	13.5	---	---	---	9.9	9.0	9.4
5	13.4	13.2	13.3	13.5	13.0	13.3	---	---	---	9.8	8.6	9.1
6	13.4	13.2	13.3	13.1	12.3	12.9	---	---	---	9.9	8.3	8.9
7	13.2	12.7	13.0	12.3	11.7	12.1	---	---	---	9.4	8.9	9.2
8	12.7	12.3	12.5	12.2	11.6	11.9	---	---	---	9.4	8.8	9.1
9	12.3	12.1	12.3	13.1	12.2	12.8	---	---	---	9.2	8.8	9.0
10	12.7	12.1	12.4	13.2	12.9	13.1	---	---	---	9.0	8.5	8.8
11	13.3	12.7	13.1	12.9	12.6	12.7	---	---	---	8.7	8.2	8.5
12	13.4	13.0	13.3	12.6	12.5	12.6	---	---	---	8.6	8.1	8.4
13	13.0	12.8	12.9	12.6	12.4	12.5	---	---	---	9.0	8.4	8.7
14	12.8	12.1	12.4	12.6	12.3	12.5	---	---	---	8.4	8.2	8.3
15	12.2	11.6	12.0	12.5	12.0	12.3	---	---	---	8.7	8.2	8.5
16	11.6	11.5	11.6	12.3	11.9	12.1	---	---	---	9.2	8.7	9.0
17	12.2	11.5	11.9	12.1	11.6	11.9	---	---	---	9.6	9.2	9.4
18	13.0	12.2	12.7	12.0	11.4	11.8	---	---	---	9.5	9.0	9.3
19	13.5	13.0	13.3	11.7	11.4	11.6	---	---	---	9.0	8.7	8.9
20	13.4	13.0	13.2	11.8	11.5	11.6	---	---	---	8.7	8.5	8.6
21	13.0	12.2	12.6	12.0	11.7	11.9	---	---	---	8.7	8.5	8.6
22	12.2	12.1	12.2	12.0	11.6	11.8	---	---	---	8.6	8.4	8.5
23	12.2	12.0	12.1	11.6	11.3	11.5	---	---	---	8.4	8.2	8.3
24	12.6	12.0	12.3	11.8	11.4	11.7	---	---	---	8.3	8.2	8.3
25	13.0	12.6	12.9	12.0	11.6	11.9	---	---	---	8.3	8.0	8.2
26	13.1	12.8	13.0	11.6	11.2	11.5	---	---	---	8.0	7.6	7.9
27	13.2	12.7	13.0	11.2	11.1	11.2	---	---	---	---	---	---
28	12.7	12.4	12.6	11.1	10.8	10.9	---	---	---	---	---	---
29	---	---	---	10.9	10.4	10.7	---	---	---	---	---	---
30	---	---	---	10.4	9.9	10.1	---	---	---	---	---	---
31	---	---	---	10.1	9.8	10	---	---	---	---	---	---
MONTH	13.5	11.5	12.7	13.8	9.8	12.1	10.4	9.8	10.1	9.9	7.6	8.8

03159246 Sunday Creek below Millfield, Ohio

LOCATION.—Latitude 39°25'47 ", longitude 82°06'04", Athens County, Hydrologic Unit 05030204, on left bank at downstream side of bridge on County Road 28, 3 mi downstream of Greene's Run at Millfield, Ohio.

DRAINAGE AREA.—126 mi².

Water-Discharge Records

PERIOD OF RECORD.—October 2002 to current year.

GAGE.—Water-stage recorder and crest gage. Elevation of gage is 670 ft above sea level (from topographic map).

REMARKS.—Records fair except for periods of estimated record, which are poor. Flow partially regulated by Burr Oak Reservoir 13 mi upstream. Water-quality monitor at site. Satellite telemeter at 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	19	66	1110	129	76	535	347	207	48	64	11	77
2	17	81	703	119	78	487	1470	155	43	24	12	31
3	16	101	794	195	87	263	1300	122	42	15	11	19
4	15	104	222	1240	99	170	525	103	41	12	11	13
5	10	212	158	2060	103	174	868	93	39	12	10	11
6	6.9	114	164	3470	113	208	506	84	36	14	11	9.2
7	6.4	62	261	2570	141	206	165	76	34	14	10	8.9
8	6.6	47	193	1030	269	239	138	72	36	11	10	8.7
9	6.2	35	207	1280	463	227	115	67	34	11	10	8.5
10	5.7	30	837	1080	572	362	102	62	31	9.9	9.4	8.3
11	5.5	27	411	1330	226	148	91	56	30	10	8.9	8.1
12	5.3	152	304	3130	167	131	84	112	30	8.3	9.0	8.1
13	6.1	185	318	1410	145	123	101	88	30	8.5	8.7	7.9
14	6.1	91	301	1060	427	107	99	109	24	9.3	8.5	7.4
15	6.5	120	145	1280	827	98	80	163	23	11	8.9	6.6
16	7.7	331	123	1030	539	91	71	148	20	13	8.8	7.6
17	7.8	84	115	927	217	87	65	272	26	29	8.7	8.0
18	32	112	107	823	158	83	63	75	25	22	9.5	12
19	183	343	102	451	124	80	60	62	24	18	78	8.4
20	418	502	e70	247	117	131	110	132	23	15	23	9.3
21	604	241	e64	130	126	123	69	154	22	15	14	9.7
22	353	236	e62	e110	149	106	60	90	21	21	12	11
23	72	552	869	e100	206	181	972	73	15	24	11	10
24	57	274	937	e96	102	348	1250	83	12	16	9.7	12
25	53	604	257	e90	96	330	893	70	11	16	8.8	29
26	37	322	188	e84	96	208	828	59	11	18	9.3	19
27	29	173	239	e80	97	174	947	52	11	17	11	25
28	148	231	486	97	161	1040	798	55	12	14	14	20
29	45	311	476	74	---	2480	405	75	14	13	23	19
30	31	395	144	76	---	1200	231	61	47	13	45	29
31	103	---	129	76	---	622	---	52	---	12	163	---
TOTAL	2318.8	6138	10496	25874	5981	10762	12813	3082	815	510.0	598.2	461.7
MEAN	74.8	205	339	835	214	347	427	99.4	27.2	16.5	19.3	15.4
MAX	604	604	1110	3470	827	2480	1470	272	48	64	163	77
MIN	5.3	27	62	74	76	80	60	52	11	8.3	8.5	6.6
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003-2005, BY WATER YEAR (WY)												
MEAN	52.9	127	210	434	257	266	312	299	138	33.3	45.8	250
MAX	74.8	205	339	835	316	347	427	562	230	43.9	80.0	628
(WY)	2005	2005	2005	2005	2004	2005	2005	2004	2004	2004	2003	2004
MIN	18.5	42.4	125	127	214	211	112	99.4	27.2	16.5	19.3	15.4
(WY)	2003	2003	2003	2003	2005	2004	2003	2005	2005	2005	2005	2005
SUMMARY STATISTICS												
FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 2003-2005				
ANNUAL TOTAL	102830.3				79849.7				202			
ANNUAL MEAN	281				219				126			
HIGHEST ANNUAL MEAN									260			
LOWEST ANNUAL MEAN									126			
HIGHEST DAILY MEAN	4090 Sep 18				3470 Jan 6				4090 Sep 18			
LOWEST DAILY MEAN	5.3 Oct 12				5.3 Oct 12				5.3 Oct 12			
ANNUAL SEVEN-DAY MINIMUM	5.9 Oct 9				5.9 Oct 9				5.9 Oct 9			
MAXIMUM PEAK FLOW					3690 Jan 6				4440 Sep 18			
MAXIMUM PEAK STAGE					22.93 Jan 6				24.48 Sep 18			
10 PERCENT EXCEEDS	719				604				518			
50 PERCENT EXCEEDS	110				80				89			
90 PERCENT EXCEEDS	20				9.3				14			

e Estimated.

03159246 Sunday Creek below Millfield, Ohio—Continued

Water-Quality Records

PERIOD OF RECORD.—November 2002 to current year.

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: November 2002 to current year.

pH: November 2002 to current year.

WATER TEMPERATURE: November 2002 to current year.

DISSOLVED OXYGEN: November 2002 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 instrument. Specific conductance records are good except May 1-Sept. 30, which are fair. pH records are poor. Water temperature records are good except May 1-Sept. 30, which are fair. Dissolved oxygen records are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum, 1,950 microsiemens, Aug. 17, 2005; minimum, 104 microsiemens, Sept. 17, 2004.

pH: Maximum, 7.3 units Feb. 5, 13, 17, and Sept. 24, 2004; minimum, 3.6 units Aug. 14-17 and Sept. 24-25, 2005.

WATER TEMPERATURE: Maximum, 25.2°C, July 21, 2005; minimum, 0.0°C, on many days during winter.

DISSOLVED OXYGEN: Maximum, 15.0 mg/L, Jan. 20, 2004; minimum, 4.3 mg/L, June 3, 2003, and June 16, 2005.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 1,950 microsiemens, Aug. 17; minimum, 152 microsiemens, Jan. 6.

pH: Maximum, 6.9 units, Jan. 14; minimum, 3.6 units, Aug. 14-17 and Sept. 24-25.

WATER TEMPERATURE: Maximum, 25.2°C, July 21; minimum, 0.2°C, Jan. 23-24 and 28.

DISSOLVED OXYGEN: Maximum, 13.9 mg/L, Dec. 20-21; minimum, 4.3 mg/L, June 16.

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	828	812	819	584	541	560	259	213	237	500	479	485
2	857	828	847	550	501	541	272	211	250	497	479	488
3	861	846	851	502	306	376	229	208	214	504	375	475
4	877	861	871	446	390	407	378	229	330	375	302	358
5	902	865	877	465	404	446	407	378	391	302	244	277
6	943	902	935	440	256	344	426	398	416	244	152	173
7	989	939	963	495	440	477	406	302	320	---	---	---
8	1050	989	1020	531	495	508	388	305	350	---	---	---
9	1080	1050	1070	567	531	545	424	323	395	---	---	---
10	1100	1080	1090	604	567	585	323	236	277	---	---	---
11	1130	1100	1120	624	604	619	---	---	---	---	---	---
12	1160	1130	1150	623	468	546	---	---	---	---	---	---
13	1220	1160	1180	468	413	431	---	---	---	272	179	234
14	1220	1200	1210	437	412	422	308	256	293	277	214	247
15	1240	1210	1230	485	381	455	475	308	385	214	210	211
16	1240	1200	1230	381	243	251	508	475	497	215	211	214
17	1200	1170	1180	469	258	358	506	487	495	218	213	215
18	1180	777	1080	472	460	468	532	506	520	228	213	215
19	790	523	652	495	319	405	537	529	534	286	228	272
20	636	239	432	322	275	304	613	530	567	398	286	361
21	354	216	285	357	314	335	625	587	605	593	398	491
22	236	216	229	385	230	362	611	593	602	637	593	615
23	420	236	325	232	204	226	596	208	386	661	616	644
24	477	420	455	355	225	310	280	203	244	765	649	704
25	523	475	496	340	252	297	360	280	322	738	652	705
26	628	523	568	346	315	332	406	360	382	738	683	716
27	651	628	639	386	361	375	434	233	397	722	680	697
28	650	319	446	389	320	343	247	233	241	794	719	746
29	490	320	399	328	233	301	247	236	244	802	701	766
30	608	490	571	259	225	247	466	240	368	800	759	772
31	622	550	578	---	---	---	510	466	493	762	753	758
MONTH	1240	216	800	624	204	406	625	203	384	802	152	474

03159246 Sunday Creek below Millfield, 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	6.2	6.0	6.1	6.4	6.2	6.3	6.2	6.1	6.1	6.5	6.3	6.4
2	6.1	5.9	6.0	6.3	6.1	6.1	6.2	6.0	6.0	6.4	6.3	6.4
3	6.0	5.9	6.0	6.4	6.2	6.3	6.2	6.1	6.1	6.5	6.3	6.4
4	5.9	5.8	5.8	6.3	6.2	6.2	6.1	5.9	5.9	6.6	6.5	6.6
5	5.8	5.7	5.8	6.5	6.3	6.3	5.9	5.9	5.9	6.7	6.6	6.7
6	5.8	5.6	5.7	6.7	6.1	6.4	6.1	5.9	6.0	6.7	6.6	6.7
7	5.8	5.7	5.8	6.1	6.1	6.1	6.3	6.0	6.1	---	---	---
8	5.7	5.6	5.7	6.4	6.1	6.4	6.3	6.1	6.2	---	---	---
9	5.6	5.5	5.6	6.4	6.0	6.4	6.1	5.9	6.1	---	---	---
10	5.5	5.5	5.5	6.4	5.9	6.3	---	---	---	---	---	---
11	5.6	5.5	5.6	6.3	5.9	6.2	---	---	---	---	---	---
12	5.6	5.6	5.6	6.6	5.9	6.0	---	---	---	---	---	---
13	5.9	5.6	5.6	6.6	6.1	6.6	6.4	6.1	6.1	6.8	6.7	6.8
14	5.9	5.9	5.9	6.6	6.0	6.5	6.1	6.0	6.1	6.9	6.8	6.8
15	5.9	5.9	5.9	6.5	6.4	6.5	6.1	5.9	6.0	6.8	6.7	6.8
16	5.9	5.9	5.9	6.6	6.2	6.5	6.3	5.9	6.0	6.8	6.7	6.7
17	5.9	5.8	5.9	6.5	6.0	6.2	6.3	5.9	6.0	6.7	6.6	6.7
18	6.0	5.8	5.9	6.2	6.1	6.1	6.0	6.0	6.0	6.7	6.6	6.6
19	6.4	6.0	6.3	6.4	6.1	6.2	6.4	6.0	6.0	6.6	6.5	6.5
20	6.4	6.2	6.4	6.4	6.3	6.3	6.5	6.0	6.4	6.5	6.4	6.5
21	6.5	6.4	6.4	6.4	6.3	6.3	6.4	5.8	6.0	6.4	5.7	6.4
22	6.5	6.4	6.4	6.3	6.2	6.2	6.0	5.9	6.0	5.9	5.5	5.7
23	6.4	6.0	6.1	6.3	6.3	6.3	6.4	5.9	6.2	5.9	5.5	5.8
24	6.1	6.0	6.1	6.3	6.1	6.2	6.4	6.3	6.4	5.9	5.5	5.8
25	6.1	6.1	6.1	6.3	6.2	6.3	6.5	6.2	6.4	5.7	5.4	5.7
26	6.3	6.0	6.1	6.2	6.0	6.0	6.4	6.3	6.3	5.7	5.4	5.6
27	6.3	6.1	6.2	6.0	6.0	6.0	6.6	6.3	6.4	5.8	5.5	5.7
28	6.5	6.1	6.4	6.1	6.0	6.1	6.6	6.5	6.6	5.9	5.6	5.7
29	6.4	6.1	6.2	6.2	6.0	6.0	6.7	6.5	6.6	5.8	5.3	5.5
30	6.2	6.1	6.1	6.2	6.1	6.1	6.6	6.4	6.5	5.6	5.4	5.4
31	6.4	6.2	6.4	---	---	---	6.5	6.3	6.4	5.8	5.5	5.7
MAX	6.5	6.4	6.4	6.7	6.4	6.6	6.7	6.5	6.6	6.9	6.8	6.8
MIN	5.5	5.5	5.5	6.0	5.9	6.0	5.9	5.8	5.9	5.6	5.3	5.4

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
1	5.8	5.5	5.6	6.0	5.6	5.7	6.4	5.6	6.3	6.1	5.8	5.9
2	5.8	5.5	5.7	6.1	5.6	5.6	5.8	5.6	5.7	6.1	5.8	6.0
3	5.7	5.4	5.5	5.6	5.1	5.5	6.0	5.7	5.9	6.1	5.7	6.0
4	5.9	5.5	5.8	5.6	5.0	5.5	6.2	6.0	6.1	6.1	5.6	6.0
5	5.7	5.6	5.6	5.6	5.0	5.1	6.2	6.1	6.2	6.0	5.6	6.0
6	5.7	5.6	5.7	5.7	5.2	5.5	6.2	6.1	6.2	6.0	5.7	5.7
7	5.8	5.7	5.7	5.8	5.3	5.7	6.2	6.1	6.2	6.1	5.7	5.8
8	6.1	5.8	5.9	5.8	5.3	5.4	6.4	6.2	6.2	6.0	5.7	5.7
9	6.0	5.8	5.9	5.8	5.1	5.7	6.3	6.2	6.3	6.0	5.7	5.7
10	5.9	5.8	5.8	5.8	5.2	5.2	6.4	6.2	6.3	5.8	5.8	5.8
11	5.8	5.6	5.7	5.7	5.1	5.1	6.4	6.3	6.3	5.9	5.8	5.8
12	5.8	5.6	5.7	5.7	5.1	5.1	6.4	6.3	6.3	6.2	5.8	5.9
13	5.8	5.7	5.8	5.8	5.1	5.2	6.4	5.7	6.3	6.1	5.9	6.0
14	6.1	5.8	6.0	5.8	5.2	5.2	6.0	5.6	5.8	6.2	5.9	6.1
15	6.0	5.8	5.9	5.8	5.1	5.2	5.9	5.6	5.9	6.2	6.1	6.2
16	6.0	5.9	6.0	5.8	5.2	5.2	6.0	5.6	5.9	6.3	6.0	6.1
17	6.0	5.8	5.9	5.8	5.2	5.2	5.9	5.6	5.8	6.2	6.1	6.2
18	5.9	5.8	5.9	5.4	5.2	5.3	5.9	5.6	5.8	6.2	6.0	6.0
19	6.0	5.8	5.9	5.5	5.3	5.4	6.0	5.6	5.8	6.2	6.0	6.0
20	5.9	5.6	5.8	5.5	5.4	5.5	6.2	5.7	6.0	6.3	6.0	6.2
21	6.0	5.7	5.9	5.5	5.4	5.4	6.1	5.7	5.8	6.3	6.2	6.2
22	6.0	5.9	6.0	5.5	5.4	5.4	6.0	5.8	5.9	6.2	6.1	6.2
23	6.0	6.0	6.0	5.7	5.5	5.6	6.3	5.8	6.1	6.2	6.1	6.1
24	6.0	5.6	5.9	5.7	5.7	5.7	---	---	---	6.4	6.1	6.3
25	5.9	5.6	5.8	5.8	5.6	5.7	---	---	---	6.4	6.3	6.4
26	6.0	5.6	5.9	5.9	5.7	5.8	---	---	---	6.5	6.3	6.4
27	6.0	5.6	5.9	6.0	5.9	5.9	---	---	---	6.5	6.4	6.4
28	6.0	5.6	5.7	6.1	5.9	5.9	6.1	5.9	6.0	6.5	6.4	6.4
29	---	---	---	6.2	6.0	6.1	6.1	5.8	6.0	6.6	6.5	6.5
30	---	---	---	6.3	6.0	6.1	5.9	5.8	5.8	6.6	6.4	6.5
31	---	---	---	6.4	6.3	6.3	---	---	---	6.5	6.4	6.5
MAX	6.1	6.0	6.0	6.4	6.3	6.3	6.4	6.3	6.3	6.6	6.5	6.5
MIN	5.7	5.4	5.5	5.4	5.0	5.1	5.8	5.6	5.7	5.8	5.6	5.7

03159246 Sunday Creek below Millfield, 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	6.4	6.3	6.4	6.5	6.3	6.3	5.7	5.6	5.7	6.6	6.5	6.6
2	6.3	6.2	6.3	6.3	6.0	6.1	5.6	5.5	5.6	6.5	6.3	6.4
3	6.3	6.2	6.3	6.0	5.7	5.8	5.6	5.5	5.5	6.3	6.1	6.2
4	6.3	6.2	6.2	5.7	5.6	5.6	5.5	5.3	5.5	6.2	6.1	6.1
5	6.3	6.2	6.3	5.6	5.5	5.5	5.3	4.8	5.2	6.1	6.0	6.1
6	6.2	6.0	6.1	5.5	5.4	5.4	4.8	4.6	4.7	6.2	6.1	6.1
7	6.2	5.9	6.1	5.5	5.5	5.5	4.7	4.5	4.7	6.2	6.0	6.1
8	6.2	6.1	6.2	5.5	5.3	5.4	4.5	4.3	4.4	6.2	6.1	6.2
9	6.2	6.0	6.1	5.3	5.1	5.2	4.3	4.1	4.3	6.2	6.0	6.1
10	6.1	6.0	6.1	5.2	5.0	5.1	4.1	4.0	4.1	6.2	6.1	6.2
11	6.1	6.0	6.1	5.1	4.9	4.9	4.0	3.9	4.0	6.1	6.0	6.1
12	6.1	5.9	6.0	4.9	4.6	4.7	4.0	3.8	3.9	6.1	5.9	6.1
13	6.0	5.9	6.0	4.7	4.5	4.5	3.8	3.8	3.8	5.9	5.6	5.8
14	6.0	5.8	5.9	5.5	4.5	4.6	3.8	3.6	3.7	5.6	5.3	5.5
15	6.0	5.9	6.0	5.9	5.5	5.7	3.6	3.6	3.6	5.3	4.6	5.1
16	6.0	5.7	5.9	5.9	5.8	5.9	3.6	3.6	3.6	4.6	4.3	4.6
17	6.1	5.7	5.8	6.2	5.9	6.1	3.9	3.6	3.6	4.4	4.2	4.3
18	6.0	5.8	5.8	6.1	6.0	6.1	3.9	3.8	3.9	5.2	4.3	4.6
19	6.0	5.7	5.8	6.1	5.9	5.9	6.1	3.8	5.8	5.2	4.5	5.1
20	6.0	5.7	5.9	5.9	5.8	5.9	5.6	5.3	5.5	4.5	4.1	4.4
21	6.1	5.8	6.0	5.8	5.7	5.8	5.4	5.1	5.3	4.2	3.9	4.1
22	6.1	6.0	6.0	6.2	5.7	6.0	5.1	5.0	5.0	3.9	3.8	3.9
23	6.1	5.9	6.0	6.3	6.1	6.2	5.0	4.8	4.8	3.8	3.7	3.8
24	6.0	5.9	6.0	6.2	6.1	6.1	4.9	4.7	4.8	3.7	3.6	3.7
25	6.0	5.9	6.0	6.3	5.9	6.1	4.8	4.5	4.6	5.3	3.6	4.0
26	5.9	5.8	5.9	6.3	6.1	6.1	4.6	4.4	4.5	5.3	4.3	5.2
27	5.9	5.8	5.9	6.1	6.1	6.1	4.6	4.5	4.6	4.5	4.0	4.1
28	6.0	5.8	5.9	6.1	6.0	6.1	4.9	4.6	4.8	5.1	4.5	4.6
29	6.1	5.8	5.9	6.1	5.9	5.9	5.0	4.8	4.9	5.3	4.9	5.1
30	6.4	5.6	5.9	5.9	5.8	5.9	5.9	4.8	5.7	5.8	5.3	5.5
31	---	---	---	5.8	5.7	5.8	6.6	5.8	6.4	---	---	---
MAX	6.4	6.3	6.4	6.5	6.3	6.3	6.6	5.8	6.4	6.6	6.5	6.6
MIN	5.9	5.6	5.8	4.7	4.5	4.5	3.6	3.6	3.6	3.7	3.6	3.7
YEAR	MAX	MAXIMUM 6.9 MINIMUM 3.6		MIN	MAXIMUM 6.8 MINIMUM 3.6		MEDIAN	MAXIMUM 6.8 MINIMUM 3.6				

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	16.8	15.0	16.0	14.2	13.1	13.5	9.2	7.9	8.7	7.9	6.9	7.4
2	16.7	16.0	16.4	14.1	12.8	13.4	7.9	6.5	7.1	8.6	7.8	8.1
3	16.2	14.9	15.5	14.5	13.2	14.0	8.0	7.4	7.7	9.6	8.6	9.1
4	15.2	13.8	14.6	13.7	12.9	13.3	7.5	5.4	6.0	12.5	9.6	11.8
5	14.7	13.1	13.7	12.9	11.3	12.0	5.9	4.9	5.4	11.9	10.7	11.3
6	13.2	12.0	12.7	12.7	10.7	11.7	7.3	5.7	6.5	11.7	7.6	9.3
7	12.9	11.7	12.4	11.8	10.0	10.8	9.9	7.3	8.8	---	---	---
8	13.4	12.1	12.7	11.0	9.7	10.5	10.1	9.3	9.7	---	---	---
9	14.2	13.1	13.6	9.7	8.2	8.8	9.3	8.2	8.5	---	---	---
10	14.3	13.4	13.9	8.8	7.2	8.0	8.6	8.2	8.4	---	---	---
11	13.7	12.7	13.2	9.4	7.8	8.6	---	---	---	---	---	---
12	13.2	12.1	12.7	9.3	8.9	9.1	---	---	---	---	---	---
13	13.2	12.7	12.9	9.0	7.5	8.3	---	---	---	9.9	8.9	9.4
14	13.3	13.1	13.2	7.5	6.5	7.0	6.4	4.8	5.5	9.5	6.8	8.6
15	13.2	12.3	12.9	7.0	5.9	6.4	4.8	3.0	4.1	6.8	5.7	5.9
16	12.3	11.4	11.8	10.3	6.9	9.8	3.0	2.3	2.7	5.8	5.0	5.4
17	11.4	10.5	11.0	10.3	9.7	10.1	3.9	2.9	3.4	5.0	4.2	4.5
18	10.9	9.3	10.0	10.7	9.7	10.1	3.7	2.7	3.2	4.2	3.7	3.9
19	10.7	9.8	10.2	11.9	10.7	11.3	3.7	1.9	3.2	3.7	2.9	3.2
20	13.6	10.7	12.4	12.3	11.9	12.0	1.9	0.3	0.8	3.5	2.9	3.1
21	14.8	13.5	14.0	12.2	11.7	11.9	1.6	0.3	0.9	3.1	1.2	2.3
22	14.8	13.9	14.3	11.7	10.7	11.3	2.1	1.4	1.6	1.3	0.6	1.2
23	14.3	13.3	13.8	11.1	10.6	10.8	2.9	2.1	2.7	0.8	0.2	0.4
24	14.9	13.6	14.1	11.3	10.9	11.1	2.3	1.3	1.7	0.6	0.2	0.3
25	14.8	13.2	14.0	11.5	9.2	10.6	1.3	0.3	0.7	1.4	0.4	0.8
26	14.2	12.5	13.4	9.2	7.2	7.8	1.6	0.7	1.2	1.2	0.7	0.9
27	14.0	13.3	13.6	7.9	7.1	7.6	2.7	1.0	1.4	1.2	0.3	0.7
28	14.9	13.6	14.1	8.5	7.9	8.3	3.5	2.5	2.9	1.4	0.2	0.6
29	15.4	14.3	14.7	8.8	7.7	8.0	4.2	3.4	3.7	1.4	0.5	0.9
30	16.1	14.8	15.4	9.2	8.3	8.7	5.2	4.2	4.6	1.9	1.0	1.3
31	16.0	14.2	15.1	---	---	---	6.9	5.1	6.0	2.5	0.8	1.5
MONTH	16.8	9.3	13.5	14.5	5.9	10.2	10.1	0.3	4.5	12.5	0.2	4.5

03159246 Sunday Creek below Millfield, 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	7.1	6.5	6.9	8.4	8.1	8.3	10.6	10.0	10.3	10.8	10.4	10.6
2	6.8	6.6	6.8	8.8	8.1	8.4	11.4	10.6	10.9	10.4	10.1	10.3
3	7.2	6.8	7.0	9.0	8.2	8.4	11.0	10.9	10.9	---	---	---
4	7.6	7.2	7.3	9.1	8.5	8.8	11.6	10.8	11.2	---	---	---
5	7.9	7.4	7.6	10.1	8.9	9.6	11.7	11.4	11.6	---	---	---
6	8.1	7.7	7.9	9.9	9.4	9.6	11.5	10.8	11.1	---	---	---
7	8.3	7.8	8.1	9.6	9.2	9.5	11.0	9.9	10.3	---	---	---
8	8.4	7.8	8.1	10.7	9.5	10.0	9.9	9.7	9.8	---	---	---
9	7.9	7.5	7.7	12.0	10.2	11.1	10.7	9.8	10.2	---	---	---
10	7.8	7.5	7.6	12.5	11.6	12.0	---	---	---	---	---	---
11	7.9	7.7	7.8	12.1	11.2	11.7	---	---	---	---	---	---
12	8.0	7.6	7.8	12.5	11.1	11.5	---	---	---	---	---	---
13	8.0	7.7	7.8	---	---	---	---	---	---	---	---	---
14	7.8	7.6	7.7	---	---	---	12.2	11.4	11.8	---	---	---
15	7.6	7.3	7.4	---	---	---	13.2	12.2	12.5	---	---	---
16	7.5	7.2	7.3	11.4	9.6	10.0	13.3	13.1	13.2	---	---	---
17	7.5	7.4	7.5	9.8	9.3	9.5	13.3	12.0	12.9	---	---	---
18	8.5	7.5	7.9	9.6	9.3	9.5	13.0	12.8	12.9	---	---	---
19	8.7	7.9	8.3	9.3	9.0	9.1	13.0	12.7	12.8	---	---	---
20	8.2	7.3	8.0	9.1	8.9	9.0	13.9	13.0	13.5	---	---	---
21	8.5	8.0	8.3	9.0	8.7	8.8	13.9	12.9	13.6	---	---	---
22	8.9	8.4	8.7	9.6	8.9	9.2	13.5	13.0	13.3	11.2	10.9	11.1
23	8.6	7.7	8.1	9.9	9.6	9.7	13.1	12.5	12.8	12.4	11.1	11.9
24	7.7	7.0	7.4	9.6	9.2	9.3	13.4	13.1	13.2	12.5	12.2	12.4
25	7.3	6.9	7.1	10.0	9.1	9.4	13.6	13.4	13.5	12.5	12.2	12.3
26	8.3	7.1	7.4	10.9	10.0	10.6	13.6	13.1	13.3	11.2	10.6	10.9
27	7.4	7.1	7.3	10.8	10.4	10.6	13.4	13.0	13.1	12.2	11.1	11.8
28	8.2	6.8	7.7	10.5	10.2	10.3	13.0	12.7	12.8	12.7	12.1	12.4
29	8.1	7.0	7.6	11.0	10.5	10.7	12.7	12.4	12.5	12.9	11.4	12.4
30	7.0	6.5	6.8	10.6	10.1	10.5	12.4	11.5	11.8	12.7	11.5	11.9
31	8.1	6.5	7.3	---	---	---	11.5	10.8	11.1	13.2	11.3	12.0
MONTH	8.9	6.5	7.6	12.5	8.1	9.8	13.9	9.7	12.1	13.2	10.1	11.7

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	13.6	12.0	12.6	12.3	11.5	11.9	10.8	10.1	10.5	10.0	9.6	9.8
2	13.7	12.5	13.1	12.5	12.2	12.3	10.8	10.4	10.5	10.0	9.7	9.8
3	13.0	12.4	12.7	12.5	12.2	12.3	11.3	10.3	11.0	10.1	9.9	10.0
4	13.4	11.9	12.5	12.5	12.2	12.4	10.3	8.2	9.0	10.1	10.0	10.1
5	12.0	11.8	11.9	12.5	12.1	12.4	---	---	---	10.1	9.2	9.7
6	12.0	11.8	11.9	12.1	11.6	11.9	---	---	---	9.2	8.3	8.7
7	11.8	11.5	11.7	11.6	10.8	11.3	---	---	---	8.3	7.7	8.0
8	11.6	11.3	11.4	11.8	10.7	11.1	---	---	---	7.8	7.3	7.5
9	11.7	11.5	11.6	12.7	11.8	12.3	---	---	---	7.3	6.9	7.1
10	12.2	11.6	11.9	12.6	12.2	12.4	---	---	---	6.9	6.3	6.5
11	12.7	12.1	12.5	12.3	11.7	11.8	---	---	---	6.3	5.7	5.9
12	12.7	12.2	12.5	12.0	11.7	11.8	---	---	---	6.7	5.2	5.8
13	12.3	11.9	12.0	12.0	11.7	11.8	---	---	---	6.6	6.0	6.4
14	11.9	11.4	11.6	12.1	11.6	11.8	8.8	8.5	8.6	6.0	5.6	5.8
15	11.9	11.5	11.7	12.2	11.4	11.7	8.8	8.5	8.6	7.3	5.9	6.9
16	11.5	11.3	11.4	11.7	11.3	11.4	8.8	8.6	8.7	7.8	7.0	7.2
17	11.8	11.3	11.4	11.9	11.3	11.5	8.8	8.5	8.6	8.4	7.8	8.2
18	12.4	11.8	12.1	11.8	11.1	11.4	8.7	8.2	8.3	8.1	7.1	7.5
19	12.8	12.4	12.7	11.1	10.7	10.9	11.1	7.7	8.2	7.2	6.5	6.9
20	12.8	12.1	12.5	11.2	10.6	10.9	9.1	7.7	8.1	7.6	6.5	6.7
21	12.1	11.2	11.5	11.4	11.2	11.3	9.1	8.4	8.6	7.9	7.6	7.8
22	11.5	10.9	11.1	11.3	11.0	11.1	8.5	8.1	8.2	7.6	7.2	7.4
23	11.6	11.5	11.5	11.0	10.5	10.7	9.8	7.8	9.1	7.2	6.9	7.0
24	11.5	11.0	11.2	12.0	11.0	11.3	---	---	---	7.6	6.9	7.3
25	11.7	11.3	11.5	12.0	11.7	11.8	---	---	---	7.6	7.1	7.4
26	11.7	11.6	11.6	11.8	10.9	11.2	---	---	---	7.2	6.5	6.8
27	11.8	11.4	11.6	10.9	10.6	10.7	---	---	---	6.5	5.7	6.1
28	11.5	10.9	11.2	11.0	10.2	10.6	9.9	9.5	9.7	5.7	5.2	5.4
29	---	---	---	11.0	10.8	10.9	9.6	9.5	9.6	---	---	---
30	---	---	---	11.3	10.8	11.1	9.7	9.1	9.4	---	---	---
31	---	---	---	11.1	10.7	10.8	---	---	---	---	---	---
MONTH	13.7	10.9	11.9	12.7	10.2	11.5	11.3	7.7	9.1	10.1	5.2	7.5

03159500 Hocking River at Athens, Ohio

LOCATION.—Latitude 39°19'44", longitude 82°05'16", in T.9 N., R.14 W., Athens County, Hydrologic Unit 05030204, on right bank 0.8 mi east of business section of Athens, Ohio, 1.4 mi downstream from Coats Run, and 3 mi downstream from Margaret Creek.

DRAINAGE AREA.—943 mi².

PERIOD OF RECORD.—May 1915 to current year.

REVISED RECORDS.—WSP 523: 1918-19(M). WSP 743: 1922(M). WSP 873: 1920, 1922, 1924-28, 1937. WSP 1113: 1932.

WDR-OH-90-1: 1979(M), 1983(M), 1985(M), 1986(M).

GAGE.—Water-stage recorder. Datum of gage is 611.26 ft above sea level. Prior to Aug. 17, 1931, nonrecording gage; Aug. 18, 1931-June 19, 1970, at present site at datum 3.55 ft. higher; June 19, 1970-Sept. 30, 1971, and Oct. 1, 1976-Mar. 31, 1993, water-stage recorder at site 5.3 mi downstream at datum 11.26 ft lower, published as "Below Athens" (03159510).

REMARKS.—Records fair except for periods of estimated record, which are poor. Water-quality data formerly collected at this site. Some regulation by Burr Oak Reservoir, capacity 26,900 acre-ft, on East Branch Sunday Creek 29 mi upstream beginning 1952; by Hocking Lake, capacity 3,080 acre-ft, on Clear Fork 39.4 mi upstream beginning in 1949; and by temporary retention in 8 retarding basins, combined capacity, 8,710 acre-ft, constructed between 1955 and 1961 upstream from Lancaster.

EXTREMES OUTSIDE PERIOD RECORD.—Flood in Mar. 1907 reached a stage of about 27 ft from flood marks, site and datum then in use; discharge 50,000 ft³/s, estimated by 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	395	633	3960	1280	915	2400	2800	2200	505	362	101	972
2	371	543	5660	1200	889	2300	6040	1670	464	532	98	484
3	350	580	3470	1270	902	1640	8830	1380	437	307	95	274
4	331	718	2130	5410	954	1360	6930	1200	421	215	93	199
5	314	1270	1590	10200	960	1320	3790	1060	399	181	91	162
6	296	1250	1380	15200	992	1590	2690	972	375	191	90	143
7	275	891	1420	18300	1160	1730	1900	904	351	224	91	e127
8	263	752	1560	14600	1710	2120	1620	840	329	182	96	e120
9	255	639	1450	10900	3060	2620	1410	779	316	158	92	e113
10	249	566	3240	6320	3160	1900	1240	726	369	142	88	e108
11	241	531	3390	4690	2270	1480	1130	688	312	133	85	e104
12	235	806	2280	11100	1630	1300	1040	689	321	127	87	e100
13	232	1560	1890	13500	1430	1220	1000	779	289	122	89	e96
14	281	1110	1690	10300	1920	1080	988	743	275	130	84	e90
15	273	856	1350	8940	3680	971	873	1160	268	134	81	87
16	267	928	1170	5540	3050	904	795	1030	245	157	80	85
17	259	823	1080	4080	2110	853	740	979	238	275	79	87
18	290	1440	1020	3260	1630	815	706	765	232	242	80	90
19	1330	2700	966	2470	1330	780	679	648	220	205	167	89
20	2450	4530	886	2010	1170	923	654	817	208	172	167	85
21	2530	3040	794	1700	1170	1070	695	1170	199	153	110	86
22	1960	1850	831	1510	1180	923	645	905	195	152	94	89
23	1100	1770	2790	1400	1160	1100	4100	756	198	163	89	87
24	830	1560	7600	1170	1020	1510	7340	711	182	135	83	84
25	880	2920	5570	1160	968	1380	8040	701	173	129	75	140
26	743	3480	2410	1190	952	1260	5950	618	165	212	76	275
27	632	1970	1760	1120	954	1220	4640	564	160	159	81	184
28	644	1640	1660	964	1150	3330	3710	535	160	131	78	e214
29	624	1560	1540	915	---	10600	2480	586	160	118	87	175
30	536	1460	1300	943	---	9800	2120	612	169	112	161	e166
31	617	---	1220	932	---	4330	---	529	---	107	461	---
TOTAL	20053	44376	69057	163574	43476	65829	85575	27716	8335	5762	3329	5115
MEAN	647	1479	2228	5277	1553	2124	2852	894	278	186	107	170
MAX	2530	4530	7600	18300	3680	10600	8830	2200	505	532	461	972
MIN	232	531	794	915	889	780	645	529	160	107	75	84
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916-2005, BY WATER YEAR (WY)												
MEAN	247	550	1011	1481	1729	2104	1841	1380	791	495	408	325
MAX	1539	3194	3830	7796	3928	5975	4268	5672	3143	2957	3054	2674
(WY)	1976	1920	1924	1937	1951	1963	1940	1968	1928	1958	1980	2004
MIN	36.1	46.4	64.5	75.5	91.6	262	385	174	77.8	52.2	39.6	44.8
(WY)	1931	1954	1931	1931	1954	1931	1925	1934	1930	1930	1930	1930
SUMMARY STATISTICS				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1916-2005		
ANNUAL TOTAL				665838			542197					
ANNUAL MEAN				1819			1485			1027		
HIGHEST ANNUAL MEAN										1818		
LOWEST ANNUAL MEAN										233		
HIGHEST DAILY MEAN				14600	Jan 6		18300	Jan 7		31200	Mar 11	1964
LOWEST DAILY MEAN				121	Sep 7		75	Aug 25		10	Oct 11	1930
ANNUAL SEVEN-DAY MINIMUM				136	Sep 1		81	Aug 23		24	Oct 11	1930
MAXIMUM PEAK FLOW							18800	Jan 7		32900	Mar 11	1964
MAXIMUM PEAK STAGE							23.78	Jan 7		24.18	Mar 11	1964
INSTANTANEOUS LOW FLOW							72	Aug 25		10	Oct 11	1930
10 PERCENT EXCEEDS				4380			3350			2450		
50 PERCENT EXCEEDS				1060			823			436		
90 PERCENT EXCEEDS				262			97			90		

e Estimated.

Surface-Water Records—Shade River Basin

03159540 Shade River near Chester, Ohio

LOCATION.—Latitude 39°03'49", longitude 81°52'55", in NE ¼ sec. 10, T.3N., R.12 W., Meigs County, Hydrologic Unit 05030202, on right bank at downstream side of bridge on Oak Hill Road, 200 ft upstream from Sugar Run, 2.8 mi southeast of Chester, Ohio, and 8.5 mi northeast of Pomeroy, Ohio.

DRAINAGE AREA.—155 mi².

PERIOD OF RECORD.—Water years 1956, 1962-64 (occasional low-flow measurements), June 1965 to current year.

GAGE.—Water-stage recorder and crest-stage gage. Datum of gage is 576.91 ft above sea level.

REMARKS.—Records fair 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	31	27	950	e92	e90	1370	250	550	24	51	3.0	33	
2	26	26	600	e86	e88	467	2300	269	21	55	3.1	16	
3	23	54	279	323	e86	277	1790	195	22	32	1.8	8.5	
4	22	178	204	1460	e84	219	536	156	28	23	1.5	5.2	
5	19	210	165	1980	e82	239	315	132	25	18	1.3	3.3	
6	16	125	149	2360	e80	358	241	117	19	15	1.2	2.2	
7	14	89	211	1310	e100	289	204	107	16	13	1.1	1.7	
8	13	69	258	2430	160	1060	182	98	14	11	9.8	1.3	
9	12	53	196	1730	230	420	152	86	12	10	5.0	1.1	
10	11	44	603	533	362	261	131	78	11	8.9	3.7	0.87	
11	11	39	740	337	244	220	116	71	11	8.4	2.4	0.84	
12	10	366	382	759	189	210	105	64	10	8.2	1.7	1.1	
13	18	319	265	440	163	210	101	60	11	9.1	1.3	1.2	
14	23	154	200	1010	798	186	89	56	10	9.8	1.1	1.2	
15	18	110	159	535	1190	158	77	90	13	11	0.97	1.2	
16	19	92	138	297	395	142	67	70	17	13	0.82	1.1	
17	15	83	129	226	267	131	61	51	21	28	0.73	1.7	
18	52	252	118	160	201	121	59	43	30	82	1.5	1.7	
19	441	1030	110	207	155	112	58	42	25	165	9.6	1.6	
20	193	1680	98	172	152	123	54	131	20	77	4.0	1.5	
21	106	433	88	158	166	129	51	113	19	33	2.5	1.5	
22	77	249	95	e145	156	111	70	69	18	22	1.6	1.2	
23	57	195	568	e135	131	304	973	53	17	16	0.97	1.3	
24	56	199	710	e130	127	315	1040	49	16	12	0.53	1.4	
25	68	390	208	e120	135	195	920	48	13	10	0.41	1.3	
26	57	298	e170	e115	160	181	412	39	12	8.2	0.70	1.7	
27	45	198	e140	e110	179	169	1330	32	13	11	1.6	1.7	
28	39	205	e125	e105	484	821	474	28	13	9.2	3.8	1.6	
29	35	201	e110	e100	---	2830	259	35	13	6.1	3.7	1.8	
30	33	165	e105	e98	---	749	605	33	15	4.4	11	2.0	
31	30	---	e98	e94	---	335	---	27	---	3.4	61	---	
TOTAL	1590	7533	8371	17757	6654	12712	13022	2992	509	783.7	143.43	101.81	
MEAN	51.3	251	270	573	238	410	434	96.5	17.0	25.3	4.63	3.39	
MAX	441	1680	950	2430	1190	2830	2300	550	30	165	61	33	
MIN	10	26	88	86	80	111	51	27	10	3.4	0.41	0.84	
CFSM	0.33	1.61	1.73	3.67	1.52	2.63	2.78	0.62	0.11	0.16	0.03	0.02	
IN.	0.38	1.80	2.00	4.23	1.59	3.03	3.11	0.71	0.12	0.19	0.03	0.02	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-2005, BY WATER YEAR (WY)													
MEAN	50.9	114	200	246	301	358	281	245	106	65.1	59.0	55.8	
MAX	259	529	765	755	884	1088	634	912	488	384	406	900	
(WY)	1976	2004	1991	1994	1994	1997	1972	1968	1998	1980	1980	2004	
MIN	0.42	0.99	20.2	24.0	40.7	53.4	48.6	33.2	2.37	2.40	0.72	0.38	
(WY)	1988	1988	1988	1977	1978	1969	1995	1986	1988	1987	1988	1987	
SUMMARY STATISTICS													
				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 1965-2005	
ANNUAL TOTAL				105469.2				72168.94					
ANNUAL MEAN				288				198					
HIGHEST ANNUAL MEAN												174	
LOWEST ANNUAL MEAN												319	
HIGHEST DAILY MEAN				9690 Sep 18				2830 Mar 29				45.4	
LOWEST DAILY MEAN				3.8 Sep 7				0.41 Aug 25				10300 Mar 2	
ANNUAL SEVEN-DAY MINIMUM				5.7 Aug 14				1.1 Sep 9				0.21 Sep 23	
MAXIMUM PEAK FLOW								3050 Mar 29a				15600 Mar 2	
MAXIMUM PEAK STAGE								17.46 Mar 29				31.44 Mar 2	
INSTANTANEOUS LOW FLOW								0.30 Aug 24				0.17 Sep 28	
ANNUAL RUNOFF (CFSM)				1.85				1.27				1.12	
ANNUAL RUNOFF (INCHES)				25.15				17.21				15.16	
10 PERCENT EXCEEDS				609				470				387	
50 PERCENT EXCEEDS				102				80				58	
90 PERCENT EXCEEDS				9.3				1.7				4.1	

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

e Estimated.

Surface-Water Records—Raccoon Creek Basin

03201902 Raccoon Creek at Bolins Mills, Ohio

LOCATION.—Latitude 39°13'50", longitude 82°17'09", in Vinton County, Hydrologic Unit 05090101, on left bank at State Highway 50 and 356 intersection at Bolins Mills, Ohio, 12 mi downstream of Lake Hope.

DRAINAGE AREA.—205 mi².

PERIOD OF RECORD.—October 1983 to September 1985, December 2002 to current year.

GAGE.—Water stage recorder. Elevation of gage 680 ft (from topographic map).

REMARKS.—Records 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	33	64	915	210	e140	852	567	569	36	41	11	15
2	31	55	1480	190	e150	725	1160	425	33	26	8.8	15
3	29	56	1330	221	165	453	1750	325	31	23	7.0	11
4	28	88	529	1070	199	377	1650	260	30	20	5.9	7.5
5	27	201	277	1820	190	363	1050	216	30	16	5.3	5.5
6	26	180	210	2700	196	492	475	184	28	14	4.4	4.6
7	25	125	218	3420	222	595	377	159	25	13	4.2	4.6
8	25	96	318	2990	289	625	340	139	23	12	3.6	4.4
9	24	76	280	2110	418	504	286	119	22	11	3.3	4.0
10	24	64	713	1280	592	371	242	103	21	11	3.2	3.7
11	23	58	830	675	492	317	215	91	21	12	2.8	3.6
12	23	139	469	1640	356	293	188	83	20	12	2.6	3.8
13	22	350	334	2070	306	271	177	74	18	15	2.4	3.5
14	23	210	245	2060	419	233	160	72	18	16	2.4	3.4
15	25	137	184	1680	1100	202	135	97	20	16	2.5	3.2
16	25	111	153	963	923	181	120	85	23	18	2.4	3.1
17	26	97	142	492	559	168	108	64	22	59	2.7	3.5
18	34	236	130	313	406	157	110	55	19	121	2.4	3.4
19	189	660	117	322	310	149	103	52	17	50	2.4	3.1
20	203	1280	e94	293	267	213	94	82	16	32	2.7	3.2
21	220	1050	e84	e240	273	323	86	109	14	24	3.0	3.3
22	132	434	e74	e220	259	248	93	77	13	20	3.3	3.2
23	82	282	436	e190	217	280	1140	61	12	21	3.4	3.9
24	71	273	1190	e180	200	471	1700	60	11	21	3.7	3.1
25	77	824	949	e160	201	384	1820	61	11	23	3.8	2.8
26	69	910	426	e150	198	331	1740	51	10	64	3.9	3.7
27	58	455	282	e140	213	301	1380	44	9.8	121	4.4	3.5
28	52	354	237	e130	281	674	905	40	10	38	4.6	3.4
29	49	328	218	e125	---	2030	520	41	9.9	24	5.2	5.2
30	46	245	206	e120	---	2300	495	43	28	17	7.2	6.3
31	47	---	209	e130	---	1670	---	39	---	14	11	---
TOTAL	1768	9438	13279	28304	9541	16553	19186	3880	601.7	925	135.5	147.5
MEAN	57.0	315	428	913	341	534	640	125	20.1	29.8	4.37	4.92
MAX	220	1280	1480	3420	1100	2300	1820	569	36	121	11	15
MIN	22	55	74	120	140	149	86	39	9.8	11	2.4	2.8
CFSM	0.28	1.53	2.09	4.45	1.66	2.60	3.12	0.61	0.10	0.15	0.02	0.02
IN.	0.32	1.71	2.41	5.14	1.73	3.00	3.48	0.70	0.11	0.17	0.02	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984-2005, BY WATER YEAR (WY)

MEAN	51.8	336	367	437	456	429	474	363	133	83.3	38.0	267
MAX	95.0	630	532	913	590	534	640	444	364	148	87.4	814
(WY)	2004	2004	2004	2005	1985	2005	2005	1985	2003	2003	2003	2004
MIN	3.47	63.0	235	89.5	341	380	207	125	20.1	29.8	4.37	1.12
(WY)	1985	1985	1985	1985	2005	1985	2003	2005	2005	2005	2005	1984

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1984-2005

ANNUAL TOTAL	134980	103758.7	
ANNUAL MEAN	369	284	346
HIGHEST ANNUAL MEAN			407
LOWEST ANNUAL MEAN			284
HIGHEST DAILY MEAN	4770	3420	4770
LOWEST DAILY MEAN	19	2.4	0.00
ANNUAL SEVEN-DAY MINIMUM	21	2.5	0.12
MAXIMUM PEAK FLOW		3550	5000
MAXIMUM PEAK STAGE		16.00	17.05
INSTANTANEOUS LOW FLOW		1.8	0.00
ANNUAL RUNOFF (CFSM)	1.80	1.39	1.69
ANNUAL RUNOFF (INCHES)	24.49	18.83	22.90
10 PERCENT EXCEEDS	981	839	948
50 PERCENT EXCEEDS	184	103	160
90 PERCENT EXCEEDS	28	3.9	13

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

e Estimated.

03201980 Little Raccoon Creek near Ewington, Ohio

LOCATION.—Latitude 39°00'38", longitude 82°27'08", in SW ¼ sec. 12, T.8N., R.17W., Jackson County, Hydrologic Unit 05090101, on left bank downstream side of Old Keystone Road, 5 mi west of Ewington, Ohio, 3.6 mi downstream from Tarcamp Creek, 0.15 mi upstream of Kuger Run.

DRAINAGE AREA.—99.7 mi².

Water-Discharge Records

PERIOD OF RECORD.—July 1984 to June 1985 and November 1998 to current year.

GAGE.—Water-stage recorder and crest gage. Elevation of gage is 630 ft above sea level (from topographic map).

REMARKS.—Records fair except for periods of estimated record, which are poor. Water-quality data 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	27	26	401	90	96	355	242	286	23	82	6.0	33
2	26	26	584	81	99	305	609	185	23	42	6.0	17
3	26	41	472	117	105	203	982	142	23	19	6.1	10
4	25	92	207	503	116	163	811	117	23	13	5.1	7.9
5	22	187	151	782	110	161	403	102	21	11	6.6	6.5
6	20	97	126	1360	106	211	215	92	19	9.4	19	6.2
7	19	66	139	1430	106	189	172	84	17	15	10	6.0
8	18	52	179	1310	122	214	159	74	21	15	7.0	6.1
9	17	41	154	1110	139	191	134	65	18	11	6.6	6.2
10	16	35	302	675	165	157	117	59	19	9.0	6.0	5.6
11	15	32	373	326	150	141	105	54	23	7.8	5.3	5.5
12	14	146	268	334	130	137	97	49	16	7.9	5.4	5.3
13	18	196	195	359	121	139	114	47	14	8.2	8.4	5.3
14	18	107	149	402	154	131	103	45	19	11	5.8	5.3
15	19	74	112	465	346	120	85	53	51	13	5.7	5.1
16	19	59	92	311	300	111	73	45	30	11	5.2	5.6
17	22	51	86	198	205	104	65	38	20	17	5.4	8.1
18	27	56	77	144	158	98	63	36	18	20	5.1	10
19	159	157	71	131	130	92	61	35	16	75	5.0	10
20	85	523	e59	124	117	120	62	74	19	37	4.9	9.7
21	47	529	e45	121	122	123	58	60	15	16	5.0	11
22	37	240	e42	e110	117	107	72	42	14	11	4.9	12
23	31	164	189	e100	103	137	340	38	13	11	4.9	10
24	41	162	439	e94	100	208	430	34	12	11	4.5	20
25	50	356	289	e88	102	157	462	32	12	8.8	4.5	15
26	37	344	165	e82	102	142	412	31	11	11	6.1	10
27	32	213	117	e78	102	130	352	28	9.9	12	8.1	12
28	30	199	92	e76	135	291	310	26	9.7	8.9	8.4	12
29	29	187	85	e74	---	1160	204	28	10	7.3	12	14
30	28	151	89	e80	---	1160	279	28	10	6.8	17	18
31	28	---	93	94	---	567	---	26	---	6.4	56	---
TOTAL	1002	4609	5842	11249	3858	7524	7591	2055	549.6	544.5	266.0	308.4
MEAN	32.3	154	188	363	138	243	253	66.3	18.3	17.6	8.58	10.3
MAX	159	529	584	1430	346	1160	982	286	51	82	56	33
MIN	14	26	42	74	96	92	58	26	9.7	6.4	4.5	5.1
CFSM	0.32	1.54	1.89	3.64	1.38	2.43	2.54	0.66	0.18	0.18	0.09	0.10
IN.	0.37	1.72	2.18	4.20	1.44	2.81	2.83	0.77	0.21	0.20	0.10	0.12
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999-2005, BY WATER YEAR (WY)												
MEAN	20.4	84.5	100	159	205	216	168	170	71.5	29.4	17.8	68.3
MAX	44.5	250	208	363	588	323	265	375	145	91.1	64.4	367
(WY)	2004	2004	2004	2005	2000	2002	2004	2001	2001	2003	2003	2004
MIN	8.22	13.0	20.4	29.4	44.0	129	70.1	29.5	10.5	6.82	6.98	5.52
(WY)	2001	2001	1999	2001	2002	2001	2001	1999	1999	1999	2000	1999
SUMMARY STATISTICS				FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1999-2005		
ANNUAL TOTAL				62406			45398.5					
ANNUAL MEAN				171			124			114		
HIGHEST ANNUAL MEAN										181		
LOWEST ANNUAL MEAN										82.7		
HIGHEST DAILY MEAN				5270			1430			7460		
LOWEST DAILY MEAN				10			4.5			2.1		
ANNUAL SEVEN-DAY MINIMUM				11			4.8			3.1		
MAXIMUM PEAK FLOW							1530			8450		
MAXIMUM PEAK STAGE							12.16			15.83		
INSTANTANEOUS LOW FLOW							4.3			2.1		
ANNUAL RUNOFF (CFSM)				1.71			1.25			1.14		
ANNUAL RUNOFF (INCHES)				23.28			16.94			15.53		
10 PERCENT EXCEEDS				403			310			261		
50 PERCENT EXCEEDS				87			59			40		
90 PERCENT EXCEEDS				15			6.9			7.7		

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

e Estimated.

03201980 Little Raccoon Creek near Ewington, Ohio—Continued

Water-Quality Records

PERIOD OF RECORD.—July 1984 to June 1985, December 21, 1998 to current year.

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: December 1998 to current year.

pH: December 1998 to current year.

WATER TEMPERATURE: December 1998 to current year.

DISSOLVED OXYGEN: December 1998 to current year.

SUSPENDED SEDIMENT DISCHARGE: August 1984 to June 1985 (discontinued).

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 malfunctions of the instrument. Specific conductance and water temperature records are good.

pH records are fair. Dissolved oxygen records are fair except Feb.15-Mar.17 and Aug. 30-Sept. 13, which are poor.

EXTREMES FOR PERIOD OF RECORD.—

SPECIFIC CONDUCTANCE: Maximum, 1,560 microsiemens, Sept. 27, 2005; minimum, 164 microsiemens, Feb. 20, 2000.

pH: Maximum, 8.1 units, July 25, 2002; minimum, 4.8 units, Nov. 2, 1999.

WATER TEMPERATURE: Maximum, 29.5°C, Aug. 3 and 5, 2002; minimum 0.0°C, on several days during winter.

DISSOLVED OXYGEN: Maximum, 14.9 mg/L, Jan. 1, 1999; minimum, 2.4 mg/L, Sept. 20, 2004.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 1,560 microsiemens, Sept. 27; minimum, 256 microsiemens, Mar. 30.

pH: Maximum, 7.7 units, Aug. 29; minimum, 6.2 units, Apr. 5 and 23.

WATER TEMPERATURE: Maximum, 27.5°C, July 25; minimum 0.3°C, on several days.

DISSOLVED OXYGEN: Maximum, 14.7 mg/L, Jan. 28; minimum 4.8 mg/L, July 13.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

[(00061), USGS National Water Information System parameter code; cfs, cubic feet per second; mg/L, milligrams per liter; µg/L, micrograms per liter; std, standard; µS/cm, microsiemens per centimeter; deg C, degrees Celsius; --, no data; E, estimated]

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd, field, std units (00400)	Specific conductance, water, unfltrd, µS/cm 25 deg C (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Acidity, water, unfltrd, heated, mg/L as CaCO ₃ (70508)	Alkalinity, water, flt, inc. titr., field, mg/L as CaCO ₃ (39086)
Oct. 18	1145	18	9.4	7.2	948	11.0	10.0	--	40
Dec. 20	1200	59	13.2	7.0	493	-10.0	1.0	--	33
Feb. 3	1030	102	13.0	6.8	570	3.5	3.0	--	35
Apr. 19	1130	58	8.9	6.7	560	21.2	16.0	--	33
June 14	1300	19	7.0	7.3	862	32.0	25.0	--	54
Aug. 16	1145	5.1	6.5	7.6	822	25.5	24.5	--	67

Date	Bicarbonate, water, flt, incrm. titr., field, mg/L (00453)	Sulfate, water, fltrd, mg/L (00945)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd, recoverable, µg/L (01105)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd, recoverable, µg/L (01045)	Manganese, water, fltrd, µg/L (01056)	Manganese, water, unfltrd, recoverable, µg/L (01055)
Oct. 18	48	422	8	120	59	340	2000	1990
Dec. 20	40	185	16	960	1040	2480	1550	1440
Feb. 3	42	207	14	1250	902	2490	1530	1430
Apr. 19	41	207	17	520	101	1020	1280	1240
June 14	66	343	24	80	E5	250	1200	1150
Aug. 16	82	299	20	60	E3	290	195	202

03201980 Little Raccoon Creek near Ewington, Ohio—Continued

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	721	687	706	718	684	703	500	369	420	---	---	---
2	738	703	713	722	693	711	438	296	340	---	---	---
3	738	697	711	693	654	666	393	295	336	---	---	---
4	725	704	717	721	636	675	392	363	370	---	---	---
5	737	719	731	904	544	666	386	367	381	---	---	---
6	751	734	745	582	532	550	407	386	394	---	---	---
7	749	725	737	582	555	565	439	407	421	---	---	---
8	747	732	739	557	549	554	497	424	450	---	---	---
9	770	742	748	551	539	547	437	414	429	---	---	---
10	785	770	780	541	535	538	567	404	453	---	---	---
11	796	773	789	551	539	545	410	388	396	---	---	---
12	807	781	796	594	466	522	389	373	383	---	---	---
13	806	787	797	784	488	563	382	373	379	---	---	---
14	811	790	802	506	474	489	384	379	382	---	---	---
15	799	782	791	475	468	472	400	383	394	---	---	---
16	917	794	868	486	475	478	422	400	411	---	---	---
17	934	888	914	507	486	501	441	421	428	---	---	---
18	974	803	934	525	506	517	453	441	448	---	---	---
19	1100	705	798	524	463	504	474	452	459	---	---	---
20	705	607	634	752	357	486	491	474	484	---	---	---
21	708	622	655	402	341	352	---	---	---	464	443	453
22	713	696	704	414	372	391	---	---	---	480	456	468
23	735	687	713	397	372	386	529	455	495	518	480	507
24	741	656	697	404	390	392	660	341	437	550	498	509
25	752	682	717	551	404	455	362	336	347	581	545	565
26	800	658	748	442	382	394	364	337	354	571	542	553
27	658	630	638	382	362	376	373	354	367	566	547	552
28	647	635	641	430	358	381	384	373	376	567	532	553
29	668	640	658	428	394	401	---	---	---	578	549	559
30	687	668	680	397	386	392	---	---	---	585	561	569
31	692	677	686	---	---	---	---	---	---	584	570	575
MONTH	1100	607	742	904	341	506	660	295	405	585	443	533

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	590	559	572	643	457	532	386	357	374	464	388	407
2	590	578	584	457	407	421	429	372	394	388	374	378
3	582	559	572	413	400	408	384	300	329	391	376	385
4	580	557	575	435	404	423	300	281	291	415	391	404
5	557	540	547	448	423	437	357	300	337	455	415	438
6	540	518	524	577	441	495	396	357	382	496	455	475
7	518	502	506	499	426	466	416	396	404	522	496	509
8	505	493	498	472	417	437	460	416	441	540	514	522
9	521	487	507	467	436	448	449	440	445	539	520	527
10	530	483	504	449	433	441	469	446	462	536	520	525
11	492	460	480	458	434	447	492	468	485	571	528	557
12	469	459	465	466	453	461	512	491	500	589	565	582
13	477	467	471	492	464	478	577	498	536	611	576	602
14	474	454	462	544	491	524	577	535	548	629	603	616
15	648	396	506	559	538	549	563	540	555	647	591	621
16	396	374	378	562	525	548	547	536	542	756	641	693
17	396	377	384	572	531	549	542	533	537	679	642	649
18	412	396	405	582	566	574	555	536	544	645	619	632
19	434	412	426	602	559	582	567	555	560	671	616	648
20	467	427	446	675	583	616	638	567	598	785	649	692
21	483	447	459	674	591	616	649	614	626	985	635	744
22	483	475	478	616	592	607	690	649	671	646	603	628
23	487	474	482	594	535	581	718	480	586	607	600	603
24	505	482	489	803	523	616	513	374	436	653	600	628
25	528	505	520	559	493	523	406	360	378	656	635	648
26	548	512	522	494	479	488	360	328	336	657	635	646
27	551	526	544	479	458	467	410	332	363	668	654	658
28	526	475	511	463	415	448	365	343	350	660	631	646
29	---	---	---	455	302	379	368	354	360	660	626	636
30	---	---	---	302	256	265	462	358	377	694	660	672
31	---	---	---	358	265	309	---	---	---	712	684	703
MONTH	648	374	493	803	256	488	718	281	458	985	374	583

03201980 Little Raccoon Creek near Ewington, Ohio—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	684	650	661	1510	819	1070	---	---	---	1450	1000	1170
2	679	659	669	1170	926	992	---	---	---	1010	925	948
3	743	679	703	998	850	924	---	---	---	983	910	957
4	754	687	726	850	837	846	---	---	---	910	834	867
5	745	675	706	837	783	801	---	---	---	834	798	816
6	798	745	775	801	786	795	---	---	---	798	791	793
7	782	735	753	788	678	745	---	---	---	811	793	801
8	776	571	682	678	408	522	---	---	---	824	811	818
9	783	673	741	790	559	717	---	---	---	836	822	826
10	896	783	835	854	776	815	---	---	---	838	816	834
11	996	890	931	912	851	866	---	---	---	816	789	795
12	993	845	924	922	852	886	---	---	---	804	789	798
13	906	849	886	876	849	865	---	---	---	835	804	819
14	867	737	823	849	779	823	---	---	---	846	834	838
15	900	693	796	869	783	843	---	---	---	848	845	846
16	1380	802	1010	893	847	866	---	---	---	860	847	852
17	802	724	746	938	778	844	---	---	---	890	860	881
18	875	742	789	959	871	896	---	---	---	934	880	903
19	878	794	830	1340	800	952	---	---	---	1010	934	954
20	832	806	822	958	764	808	---	---	---	1060	984	1030
21	806	298	539	764	747	750	---	---	---	997	975	982
22	798	743	778	748	741	744	---	---	---	1040	974	990
23	816	774	788	788	748	766	---	---	---	1060	1010	1040
24	844	794	811	868	788	835	---	---	---	1050	959	988
25	939	844	887	875	828	849	846	831	838	1160	1030	1100
26	949	931	939	866	792	824	853	816	836	1090	972	999
27	965	934	954	---	---	---	855	793	816	1560	1090	1380
28	958	945	951	---	---	---	871	800	822	1180	942	1020
29	960	939	950	---	---	---	879	799	849	942	893	917
30	942	860	911	---	---	---	801	706	750	1030	855	915
31	---	---	---	---	---	---	1120	646	860	---	---	---
MONTH	1380	298	811	1510	408	832	1120	646	824	1560	789	929
YEAR	1560	256	627									

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	7.2	7.2	7.2	7.1	7.1	7.1	7.0	6.6	6.8	---	---	---
2	7.2	7.2	7.2	7.1	7.1	7.1	6.9	6.8	6.9	---	---	---
3	7.3	7.2	7.2	7.1	7.1	7.1	6.8	6.4	6.7	---	---	---
4	7.3	7.3	7.3	7.1	6.8	6.9	6.6	6.4	6.5	---	---	---
5	7.3	7.2	7.3	7.0	6.4	6.9	6.8	6.6	6.6	---	---	---
6	7.3	7.2	7.3	7.0	7.0	7.0	6.8	6.8	6.8	---	---	---
7	7.3	7.2	7.3	7.0	6.9	7.0	6.9	6.7	6.8	---	---	---
8	7.3	7.2	7.3	7.0	7.0	7.0	6.9	6.7	6.8	---	---	---
9	7.3	7.2	7.2	7.0	7.0	7.0	7.0	6.8	7.0	---	---	---
10	7.2	7.1	7.2	7.0	7.0	7.0	7.0	6.5	6.9	---	---	---
11	7.2	7.2	7.2	7.0	7.0	7.0	7.0	6.8	6.9	---	---	---
12	7.2	7.1	7.2	7.0	6.3	6.9	6.8	6.6	6.7	---	---	---
13	7.3	7.2	7.2	6.9	6.3	6.8	6.7	6.6	6.7	---	---	---
14	7.2	7.1	7.1	6.9	6.8	6.9	6.9	6.7	6.7	---	---	---
15	7.1	7.1	7.1	6.9	6.8	6.9	6.9	6.9	6.9	---	---	---
16	7.1	7.0	7.1	6.9	6.9	6.9	6.9	6.9	6.9	---	---	---
17	7.0	7.0	7.0	6.9	6.8	6.9	6.9	6.9	6.9	---	---	---
18	7.1	6.8	7.0	6.8	6.8	6.8	6.9	6.9	6.9	---	---	---
19	7.0	6.4	6.9	6.8	6.4	6.7	7.0	6.9	6.9	---	---	---
20	7.0	6.9	7.0	7.0	6.3	6.8	7.0	7.0	7.0	---	---	---
21	6.9	6.9	6.9	6.8	6.5	6.7	---	---	---	---	---	---
22	6.9	6.9	6.9	6.5	6.3	6.4	---	---	---	---	---	---
23	7.0	6.9	6.9	6.7	6.5	6.6	---	---	---	---	---	---
24	6.9	6.8	6.9	6.8	6.7	6.8	---	---	---	---	---	---
25	6.9	6.7	6.9	7.0	6.6	6.8	---	---	---	---	---	---
26	7.0	6.8	7.0	7.0	6.5	6.8	---	---	---	---	---	---
27	7.0	7.0	7.0	6.6	6.5	6.5	---	---	---	---	---	---
28	7.0	7.0	7.0	6.8	6.6	6.7	---	---	---	6.6	6.5	6.6
29	7.0	7.0	7.0	6.8	6.6	6.6	---	---	---	6.7	6.6	6.6
30	7.0	7.0	7.0	6.8	6.6	6.8	---	---	---	6.7	6.6	6.6
31	7.1	7.0	7.0	---	---	---	---	---	---	6.7	6.5	6.7
MAX	7.3	7.3	7.3	7.1	7.1	7.1	7.0	7.0	7.0	6.7	6.6	6.7
MIN	6.9	6.4	6.9	6.5	6.3	6.4	6.6	6.4	6.5	6.6	6.5	6.6

03201980 Little Raccoon Creek near Ewington, Ohio—Continued

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
1	6.7	6.6	6.7	6.8	6.6	6.7	6.7	6.5	6.5	6.4	6.3	6.4
2	6.7	6.6	6.7	6.8	6.5	6.7	6.8	6.4	6.6	6.4	6.3	6.4
3	6.8	6.6	6.7	6.6	6.5	6.5	6.8	6.6	6.8	6.5	6.4	6.4
4	6.7	6.6	6.6	6.6	6.5	6.5	6.8	6.4	6.7	6.5	6.4	6.5
5	6.7	6.6	6.6	6.6	6.5	6.6	6.7	6.2	6.6	6.6	6.4	6.6
6	6.7	6.6	6.7	6.6	6.5	6.6	6.6	6.3	6.5	6.7	6.6	6.6
7	6.7	6.6	6.7	6.6	6.6	6.6	6.7	6.6	6.6	6.7	6.7	6.7
8	6.7	6.6	6.6	6.6	6.5	6.6	6.7	6.5	6.6	6.8	6.7	6.7
9	6.6	6.6	6.6	6.6	6.5	6.6	6.8	6.5	6.8	6.8	6.7	6.7
10	6.6	6.5	6.5	6.6	6.6	6.6	6.9	6.4	6.8	6.8	6.7	6.7
11	6.7	6.6	6.6	6.6	6.6	6.6	6.9	6.5	6.8	6.8	6.7	6.8
12	6.7	6.6	6.7	6.6	6.5	6.6	6.9	6.8	6.9	6.9	6.8	6.8
13	6.8	6.7	6.7	6.7	6.6	6.6	6.9	6.4	6.6	6.9	6.8	6.9
14	6.8	6.6	6.7	6.7	6.6	6.7	6.7	6.3	6.5	6.9	6.8	6.8
15	6.8	6.4	6.8	6.7	6.6	6.7	6.7	6.6	6.7	6.8	6.7	6.8
16	6.8	6.6	6.6	6.8	6.7	6.7	6.8	6.6	6.7	6.9	6.3	6.8
17	6.7	6.6	6.6	6.9	6.7	6.8	6.8	6.5	6.7	6.9	6.8	6.9
18	6.8	6.6	6.7	6.9	6.7	6.8	6.7	6.6	6.7	6.9	6.8	6.8
19	6.8	6.7	6.7	6.9	6.9	6.9	6.8	6.6	6.7	7.0	6.9	6.9
20	6.8	6.7	6.8	6.9	6.7	6.9	6.8	6.3	6.6	6.9	6.7	6.9
21	6.8	6.7	6.8	6.9	6.7	6.9	6.8	6.6	6.8	7.0	6.8	7.0
22	6.8	6.7	6.8	6.9	6.8	6.9	6.9	6.8	6.8	7.0	6.9	7.0
23	6.9	6.8	6.8	6.9	6.7	6.8	7.1	6.2	6.7	7.0	7.0	7.0
24	6.9	6.8	6.9	7.0	6.5	6.8	6.6	6.5	6.5	7.0	7.0	7.0
25	6.9	6.8	6.8	6.9	6.8	6.8	6.5	6.4	6.4	7.2	7.0	7.1
26	6.9	6.8	6.8	6.8	6.7	6.8	6.5	6.4	6.4	7.2	7.1	7.2
27	6.9	6.8	6.9	6.9	6.8	6.8	6.5	6.3	6.4	7.2	7.2	7.2
28	6.9	6.8	6.9	6.8	6.5	6.7	6.5	6.3	6.4	7.2	7.2	7.2
29	---	---	---	6.7	6.5	6.6	6.4	6.3	6.4	7.2	7.2	7.2
30	---	---	---	6.7	6.4	6.7	6.4	6.3	6.4	7.2	7.1	7.2
31	---	---	---	6.7	6.5	6.6	---	---	---	7.3	7.2	7.2
MAX	6.9	6.8	6.9	7.0	6.9	6.9	7.1	6.8	6.9	7.3	7.2	7.2
MIN	6.6	6.4	6.5	6.6	6.4	6.5	6.4	6.2	6.4	6.4	6.3	6.4

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
1	7.3	7.2	7.2	7.5	7.3	7.4	---	---	---	7.2	7.0	7.1
2	7.2	7.2	7.2	7.4	7.3	7.4	---	---	---	7.2	7.1	7.2
3	7.2	6.7	7.1	7.4	7.3	7.4	---	---	---	7.3	7.2	7.2
4	7.1	6.8	7.0	7.4	7.3	7.3	---	---	---	7.3	7.2	7.2
5	7.2	7.0	7.2	7.3	7.3	7.3	---	---	---	7.2	7.2	7.2
6	7.2	7.1	7.2	7.3	7.2	7.3	---	---	---	7.3	7.2	7.2
7	7.2	7.2	7.2	7.3	7.2	7.3	---	---	---	7.4	7.2	7.2
8	7.3	7.1	7.2	7.3	6.6	7.0	---	---	---	7.3	7.2	7.3
9	7.3	7.2	7.2	7.1	6.7	7.0	---	---	---	7.3	7.2	7.3
10	7.3	7.2	7.2	7.2	7.1	7.2	---	---	---	7.3	7.1	7.2
11	7.3	7.2	7.3	7.2	7.2	7.2	---	---	---	7.3	7.1	7.2
12	7.3	6.3	6.6	7.2	7.2	7.2	---	---	---	7.3	7.1	7.3
13	6.9	6.3	6.5	7.3	7.2	7.3	---	---	---	---	---	---
14	7.1	6.9	7.1	7.4	7.3	7.3	---	---	---	---	---	---
15	7.1	6.8	7.0	7.5	7.4	7.5	---	---	---	---	---	---
16	7.2	7.1	7.2	7.5	7.4	7.4	---	---	---	---	---	---
17	7.2	7.2	7.2	7.4	7.4	7.4	---	---	---	---	---	---
18	7.2	7.1	7.1	7.5	7.4	7.4	---	---	---	---	---	---
19	7.2	7.1	7.1	7.5	7.2	7.3	---	---	---	---	---	---
20	7.2	7.1	7.1	7.4	7.3	7.3	---	---	---	7.3	6.6	6.8
21	7.2	6.9	7.0	7.3	7.2	7.3	---	---	---	6.6	6.5	6.6
22	7.2	7.1	7.1	7.3	7.2	7.3	---	---	---	6.6	6.4	6.5
23	7.2	7.1	7.2	7.3	7.2	7.3	---	---	---	6.7	6.3	6.4
24	7.2	7.1	7.2	7.3	7.2	7.3	---	---	---	6.7	6.7	6.7
25	7.2	7.2	7.2	7.2	7.1	7.2	7.6	7.6	7.6	7.0	6.6	6.7
26	7.3	7.2	7.3	7.3	7.2	7.3	7.6	7.6	7.6	7.1	7.0	7.1
27	7.3	7.2	7.3	---	---	---	7.6	7.5	7.5	7.1	7.1	7.1
28	7.3	7.2	7.3	---	---	---	7.5	7.4	7.4	7.1	7.1	7.1
29	7.4	7.3	7.4	---	---	---	7.7	7.5	7.6	7.1	7.0	7.1
30	7.5	7.4	7.4	---	---	---	7.6	7.2	7.3	7.1	7.0	7.1
31	---	---	---	---	---	---	7.3	6.8	7.0	---	---	---
MAX	7.5	7.4	7.4	7.5	7.4	7.5	7.7	7.6	7.6	7.4	7.2	7.3
MIN	6.9	6.3	6.5	7.1	6.6	7.0	7.3	6.8	7.0	6.6	6.3	6.4
YEAR	MAX	MAXIMUM 7.7 MINIMUM 6.4		MIN	MAXIMUM 7.6 MINIMUM 6.2		MEDIAN	MAXIMUM 7.6 MINIMUM 6.4				

03201980 Little Raccoon Creek near Ewington, Ohio—Continued

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	17.7	16.1	16.9	15.4	14.5	14.8	11.0	7.9	8.4	---	---	---
2	17.3	17.0	17.2	15.4	14.2	14.8	8.2	6.5	7.0	---	---	---
3	17.0	15.5	16.1	15.4	14.1	14.6	8.9	6.1	7.2	---	---	---
4	15.8	14.3	15.1	14.1	13.5	13.8	8.8	6.1	7.0	---	---	---
5	15.2	13.8	14.3	13.5	11.9	12.8	6.2	5.5	5.8	---	---	---
6	13.8	12.4	13.0	11.9	10.5	11.1	7.5	5.8	6.5	---	---	---
7	13.1	12.0	12.6	11.7	10.0	10.8	10.1	7.5	8.8	---	---	---
8	13.7	12.3	12.9	11.4	10.0	10.4	10.3	9.8	10.1	---	---	---
9	14.8	13.3	14.0	10.0	8.1	8.8	9.8	8.9	9.2	---	---	---
10	15.8	14.2	14.9	8.7	7.0	7.9	9.1	8.7	8.9	---	---	---
11	14.5	13.1	13.9	9.2	7.9	8.5	9.2	8.8	9.0	---	---	---
12	13.7	12.4	12.9	9.4	9.0	9.2	8.8	7.8	8.3	---	---	---
13	13.5	12.4	13.0	9.2	8.1	8.9	7.9	6.3	7.2	---	---	---
14	13.8	13.4	13.7	8.1	7.0	7.4	6.3	4.3	5.3	---	---	---
15	13.7	12.7	13.3	7.4	6.3	6.9	4.3	3.1	3.6	---	---	---
16	12.7	11.8	12.2	7.8	6.6	7.1	3.1	2.3	2.8	---	---	---
17	11.8	10.9	11.4	8.9	7.6	8.0	3.7	3.0	3.3	---	---	---
18	11.0	9.8	10.3	10.5	8.9	9.7	3.5	2.6	3.0	---	---	---
19	11.3	10.0	10.6	12.1	10.5	11.1	3.4	1.8	3.1	---	---	---
20	13.2	11.3	12.3	13.0	12.1	12.6	1.8	0.5	0.8	---	---	---
21	14.0	13.2	13.5	13.0	12.2	12.4	---	---	---	1.4	0.9	1.2
22	14.3	13.1	13.8	12.5	11.7	12.2	---	---	---	1.1	0.7	1.0
23	14.0	12.6	13.3	11.9	11.5	11.7	2.8	2.1	2.5	0.7	0.3	0.4
24	15.3	13.8	14.5	11.8	11.5	11.7	2.1	1.0	1.4	0.4	0.3	0.4
25	15.0	13.3	14.2	11.9	10.0	11.2	---	---	---	0.6	0.3	0.4
26	14.5	12.6	13.6	10.0	8.6	9.1	2.2	1.6	1.9	0.5	0.4	0.4
27	14.5	14.0	14.2	9.0	8.3	8.6	1.6	1.0	1.3	0.6	0.3	0.4
28	15.4	14.3	14.8	8.5	8.2	8.4	1.2	0.7	0.9	0.6	0.3	0.4
29	15.9	14.7	15.2	8.2	7.9	8.0	---	---	---	0.5	0.4	0.5
30	16.6	15.5	16.0	7.9	7.3	7.7	---	---	---	1.5	0.5	0.9
31	16.6	15.4	15.8	---	---	---	---	---	---	2.3	1.2	1.6
MONTH	17.7	9.8	13.9	15.4	6.3	10.3	11.0	0.5	5.3	2.3	0.3	0.7

DAY	FEBRUARY			MARCH			APRIL			MAY		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	2.9	1.8	2.3	5.2	3.4	4.3	11.9	10.6	11.0	12.4	11.4	11.9
2	2.6	1.8	2.2	3.4	2.4	2.8	10.6	8.2	9.4	12.2	11.5	11.9
3	3.1	2.2	2.8	3.0	1.9	2.4	10.0	7.0	8.2	11.8	10.7	11.2
4	3.1	2.3	2.7	2.5	2.0	2.2	12.1	9.0	10.2	12.2	10.1	11.1
5	3.3	2.2	2.7	3.6	2.2	2.8	12.7	10.4	11.6	13.4	10.8	11.9
6	3.6	2.7	3.1	5.1	3.1	4.0	14.4	12.2	13.1	15.4	13.0	13.9
7	5.0	3.5	4.2	6.4	4.9	5.6	14.4	13.8	14.2	15.7	13.7	14.5
8	6.3	5.0	5.7	6.5	5.0	6.0	15.9	13.8	14.6	17.2	13.7	15.2
9	6.6	6.3	6.5	5.0	3.5	4.1	16.3	13.7	14.9	18.2	14.4	16.1
10	6.4	4.4	5.5	3.8	2.7	3.3	17.0	14.1	15.5	19.3	15.9	17.3
11	4.4	2.8	3.3	3.9	3.4	3.6	17.7	15.4	16.5	20.5	17.1	18.6
12	3.7	2.2	2.8	4.5	3.1	3.8	17.0	14.9	16.2	20.4	18.5	19.0
13	4.2	3.0	3.4	5.1	3.9	4.5	16.1	14.7	15.2	19.7	16.9	18.2
14	5.9	4.2	5.0	5.9	4.0	4.9	16.1	13.7	14.8	19.5	18.5	19.0
15	6.1	5.4	5.8	6.4	4.4	5.4	16.4	13.5	14.8	19.0	17.4	18.3
16	6.7	6.0	6.4	6.6	5.8	6.2	16.7	13.3	14.8	18.1	15.8	16.3
17	6.4	4.7	5.5	7.7	6.0	6.7	16.9	12.7	14.7	16.6	13.8	15.2
18	4.7	3.3	4.0	8.5	6.4	7.3	17.9	14.6	16.0	17.4	14.2	15.8
19	3.3	2.1	2.8	8.1	7.1	7.5	19.2	15.3	17.0	17.3	15.6	16.5
20	3.6	2.8	3.0	7.8	7.1	7.5	19.9	16.0	17.9	17.1	16.4	16.7
21	5.4	3.6	4.6	7.7	6.4	7.0	19.3	17.0	17.5	18.0	15.1	16.5
22	6.3	5.4	5.7	7.5	5.8	6.7	17.0	15.6	16.1	17.5	15.2	16.2
23	6.6	5.7	6.1	8.1	7.1	7.7	16.3	12.4	14.2	17.6	15.6	16.6
24	6.1	4.3	5.2	8.1	6.8	7.4	12.4	10.0	10.9	17.3	15.7	16.3
25	4.6	3.5	4.1	7.5	6.3	6.8	12.0	9.2	10.2	17.1	14.8	15.9
26	4.8	3.5	4.1	8.8	7.2	7.8	12.7	12.0	12.4	18.1	15.0	16.5
27	5.2	3.9	4.5	8.7	7.9	8.3	12.6	11.8	12.1	18.8	16.9	17.9
28	5.3	4.8	5.1	9.1	8.6	8.8	12.0	11.2	11.6	18.6	16.8	17.7
29	---	---	---	10.3	8.3	9.1	12.0	11.6	11.8	18.7	16.2	17.4
30	---	---	---	12.2	9.5	10.6	12.1	11.9	12.0	18.6	16.6	17.2
31	---	---	---	12.2	11.2	11.7	---	---	---	18.7	15.6	17.0
MONTH	6.7	1.8	4.3	12.2	1.9	6.0	19.9	7.0	13.6	20.5	10.1	15.9

03201980 Little Raccoon Creek near Ewington, Ohio—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	19.1	16.9	18.1	24.6	23.3	24.1	---	---	---	22.9	21.6	22.3
2	19.1	18.1	18.5	24.2	22.4	23.4	---	---	---	22.7	21.4	22.1
3	19.2	17.6	18.2	24.0	22.3	23.3	---	---	---	22.2	20.7	21.4
4	20.4	18.4	19.2	24.9	23.4	24.1	---	---	---	21.5	19.7	20.5
5	21.8	19.6	20.5	25.4	24.2	24.6	---	---	---	21.7	18.8	20.0
6	23.2	21.3	22.2	25.4	23.9	24.5	---	---	---	21.5	18.7	19.8
7	24.2	22.6	23.3	24.2	22.8	23.6	---	---	---	21.6	18.4	19.7
8	24.5	22.9	23.8	23.0	21.4	22.2	---	---	---	21.2	17.9	19.3
9	24.6	23.4	24.1	24.7	22.5	23.2	---	---	---	21.2	18.2	19.4
10	25.2	23.6	24.4	25.1	22.4	23.5	---	---	---	21.8	18.9	20.0
11	25.2	24.1	24.6	25.0	22.5	23.5	---	---	---	21.9	18.8	20.1
12	25.2	23.9	24.5	25.4	23.5	24.3	---	---	---	21.9	18.9	20.1
13	25.2	24.5	24.8	24.7	23.9	24.2	---	---	---	21.8	18.9	20.3
14	24.9	23.6	24.1	24.2	23.3	23.7	---	---	---	21.9	19.1	20.3
15	24.2	22.4	23.4	24.6	23.5	23.9	---	---	---	22.1	19.7	20.7
16	23.5	21.7	22.4	25.4	24.0	24.5	---	---	---	22.3	20.5	21.2
17	21.7	19.8	20.8	24.5	24.2	24.4	---	---	---	22.0	21.0	21.4
18	21.2	19.7	20.4	25.2	23.9	24.5	---	---	---	21.1	19.9	20.5
19	20.2	19.0	19.7	25.8	24.4	25.1	---	---	---	21.0	19.0	19.8
20	20.9	19.3	20.0	26.2	24.4	25.2	---	---	---	21.1	19.5	20.1
21	22.1	20.7	21.3	26.2	24.6	25.5	---	---	---	21.4	19.8	20.3
22	22.9	21.1	21.8	26.1	25.0	25.5	---	---	---	21.1	19.4	20.1
23	22.9	21.0	21.9	26.2	24.2	25.1	---	---	---	21.7	20.0	20.5
24	23.6	21.2	22.2	25.7	24.4	25.0	---	---	---	21.5	20.6	21.0
25	24.1	21.8	22.7	27.5	24.8	25.6	23.4	20.4	21.8	22.1	21.3	21.7
26	24.9	22.2	23.3	27.3	25.1	25.9	22.9	21.3	21.6	22.1	21.3	21.9
27	26.2	23.0	24.3	---	---	---	22.6	21.6	22.0	21.5	20.0	20.7
28	26.3	24.2	25.1	---	---	---	24.0	21.6	22.5	20.2	18.6	19.4
29	26.6	24.0	25.0	---	---	---	22.9	22.3	22.6	20.0	18.3	19.4
30	26.1	24.4	25.0	---	---	---	22.6	22.1	22.3	18.3	16.0	16.8
31	---	---	---	---	---	---	22.7	21.9	22.3	---	---	---
MONTH	26.6	16.9	22.3	27.5	21.4	24.3	24.0	20.4	22.2	22.9	16.0	20.4
YEAR	27.5	0.3	13.4									

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	8.4	8.0	8.2	8.1	7.7	7.9	11.3	11.0	11.1	---	---	---
2	8.2	8.0	8.1	8.2	8.0	8.1	11.1	10.8	11.0	---	---	---
3	8.6	8.1	8.3	8.6	7.9	8.3	10.8	6.6	9.3	---	---	---
4	8.9	8.5	8.7	8.7	8.5	8.6	10.7	6.6	9.3	---	---	---
5	9.3	8.8	9.0	9.0	8.1	8.6	12.3	10.6	11.5	---	---	---
6	9.7	9.2	9.5	9.7	9.0	9.4	12.2	11.5	11.9	---	---	---
7	9.9	9.6	9.7	9.9	9.6	9.7	11.5	10.3	10.9	---	---	---
8	9.9	9.7	9.7	10.3	9.6	10.1	10.3	9.6	10.0	---	---	---
9	9.7	9.3	9.4	10.9	10.2	10.7	10.5	9.6	10.2	---	---	---
10	9.3	8.9	9.0	11.3	10.9	11.1	10.5	10.3	10.4	---	---	---
11	9.2	8.9	9.0	11.1	10.7	10.9	10.3	9.1	9.8	---	---	---
12	9.3	9.2	9.2	10.7	10.4	10.6	9.4	8.5	8.9	---	---	---
13	9.4	9.1	9.2	10.8	10.0	10.3	10.3	9.2	9.8	---	---	---
14	9.1	8.6	8.8	11.5	10.8	11.2	12.1	10.3	11.2	---	---	---
15	8.6	8.4	8.5	12.0	11.5	11.7	12.6	12.1	12.4	---	---	---
16	8.7	8.3	8.5	11.8	11.4	11.7	12.9	12.6	12.8	---	---	---
17	8.9	8.5	8.7	11.5	11.1	11.4	12.7	12.3	12.5	---	---	---
18	9.2	8.7	8.9	11.1	10.5	10.8	12.5	12.1	12.3	---	---	---
19	9.2	8.6	8.9	10.5	9.4	10.1	12.5	11.9	12.1	---	---	---
20	8.6	8.2	8.3	9.4	8.0	8.5	13.2	12.5	12.9	---	---	---
21	8.3	8.0	8.2	8.0	5.9	7.5	---	---	---	---	---	---
22	8.2	8.0	8.1	8.1	5.1	6.6	---	---	---	13.4	12.4	12.8
23	8.3	8.0	8.2	9.6	8.1	8.7	12.0	11.5	11.7	14.1	13.4	13.9
24	8.1	7.6	7.8	9.8	9.6	9.7	12.2	11.6	12.0	14.2	14.0	14.1
25	8.1	7.6	7.9	10.1	9.5	9.8	11.6	10.5	11.1	14.2	13.5	13.9
26	8.5	8.0	8.3	10.1	8.2	9.3	12.2	11.1	11.4	13.9	13.6	13.7
27	8.2	7.9	8.0	10.3	8.4	9.2	12.5	12.2	12.4	14.4	13.9	14.1
28	8.0	7.8	7.9	11.1	10.3	10.7	12.8	12.3	12.7	14.7	14.4	14.5
29	7.9	7.7	7.8	10.8	10.0	10.2	---	---	---	14.6	14.3	14.5
30	7.7	7.4	7.6	11.4	10.4	11.0	---	---	---	14.4	14.0	14.2
31	7.9	7.3	7.6	---	---	---	---	---	---	14.2	13.8	14.0
MONTH	9.9	7.3	8.5	12.0	5.1	9.7	13.2	6.6	11.2	14.7	12.4	14.0

03202000 Raccoon Creek at Adamsville, Ohio

LOCATION.—Latitude 38°52'24", longitude 82°21'22", Gallia County, Hydrologic Unit 05090101, on left bank downstream side of State Highway 588 at Adamsville, Ohio.

DRAINAGE AREA.—585 mi².

PERIOD OF RECORD.—June 1915 to December 1935, October 1938 to September 1985, October 1991 to current year.

REVISED RECORDS—WSP 873: 1916-18, 1920, 1922, 1924, 1926-27, 1931, 1933, 1935(M). WSP 1908: Drainage area. WSP 2108: 1968-70(M). OH-77-1: 1992-95 (datum).

GAGE.—Water-stage recorder. Datum of gage is 570.04 ft above sea level. July 8, 1984-October 21, 1997, water-stage recorder 1.7 mi downstream at datum 2.30 ft lower.

REMARKS.—Records fair 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	157	172	1620	504	e440	1510	4110	1730	137	41	47	81
2	148	174	2290	486	e460	1850	4430	1370	127	149	42	61
3	137	252	2570	647	483	1560	4280	1050	121	127	37	49
4	121	463	2210	1690	513	1100	3970	803	116	77	34	45
5	108	584	1500	2970	532	968	3780	646	108	61	30	42
6	97	605	900	3930	518	1060	2950	547	99	55	28	37
7	89	526	826	4660	508	1160	1480	477	93	48	39	29
8	87	414	870	5740	551	1650	988	423	88	47	38	27
9	82	327	926	6410	672	1410	834	373	87	52	30	24
10	78	277	1420	6460	903	1150	704	330	82	44	27	22
11	73	246	2140	5800	1050	927	597	296	79	41	26	19
12	70	793	1970	4150	978	832	530	267	81	37	24	19
13	68	837	1430	2450	793	791	520	245	73	35	22	17
14	72	812	1030	2880	876	742	490	234	73	37	21	15
15	74	664	810	3070	1410	651	432	242	85	42	23	14
16	77	485	652	3320	1900	572	374	236	123	44	21	15
17	75	395	563	2790	1690	516	333	232	84	43	18	12
18	104	377	506	1320	1190	479	307	205	68	59	20	12
19	391	959	470	845	900	443	290	193	63	155	22	15
20	541	2150	e400	e700	720	452	283	428	58	258	17	22
21	509	2540	e300	e620	647	524	269	334	56	141	17	19
22	381	2200	e290	e560	632	597	332	278	51	84	16	18
23	372	1330	717	e520	589	670	1070	247	48	65	15	23
24	309	932	e1500	e490	530	920	2480	207	46	56	14	22
25	283	1240	e1900	e460	502	1010	2980	185	43	50	13	29
26	255	1770	1620	e440	500	895	3030	176	42	46	15	43
27	234	1740	1050	e420	504	782	3420	169	40	49	22	35
28	217	1300	730	e410	718	1220	3100	157	38	76	23	27
29	198	1060	583	e390	---	3020	2260	152	36	122	24	27
30	187	943	531	e380	---	3620	1940	147	36	71	30	25
31	178	---	512	e420	---	4210	---	144	---	54	52	---
TOTAL	5772	26567	34836	65932	21709	37291	52563	12523	2281	2266	807	845
MEAN	186	886	1124	2127	775	1203	1752	404	76.0	73.1	26.0	28.2
MAX	541	2540	2570	6460	1900	4210	4430	1730	137	258	52	81
MIN	68	172	290	380	440	443	269	144	36	35	13	12
CFSM	0.32	1.51	1.92	3.64	1.33	2.06	3.00	0.69	0.13	0.12	0.04	0.05
IN.	0.37	1.69	2.22	4.19	1.38	2.37	3.34	0.80	0.15	0.14	0.05	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916-2005, BY WATER YEAR (WY)

MEAN	120	321	660	951	1180	1470	1194	900	426	235	194	149
MAX	986	1812	2562	2739	2989	4165	3231	4200	2244	1752	1548	1853
(WY)	1976	1920	1979	1950	1939	1963	1939	1968	1941	1958	1926	2004
MIN	2.63	5.49	7.92	24.0	44.7	248	224	79.6	29.3	11.3	7.16	3.35
(WY)	1931	1964	1964	1931	1954	1941	1971	1930	1930	1930	1922	1930

SUMMARY STATISTICS			FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1916-2005		
ANNUAL TOTAL			342882			263392			650		
ANNUAL MEAN			937			722					
HIGHEST ANNUAL MEAN									1095		1916
LOWEST ANNUAL MEAN									186		1954
HIGHEST DAILY MEAN			6870	Sep 20		6460	Jan 10		19600	May 28	1968
LOWEST DAILY MEAN			24	Sep 7		12	Sep 17		1.1	Oct 17	1964
ANNUAL SEVEN-DAY MINIMUM			33	Sep 1		14	Sep 13		1.3	Oct 14	1964
MAXIMUM PEAK FLOW						6560	Jan 10a		19600	May 28	1968
MAXIMUM PEAK STAGE						19.62	Jan 10		29.11	May 3	1997
INSTANTANEOUS LOW FLOW						12	Aug 26		1.1	Oct 17	1964
ANNUAL RUNOFF (CFSM)			1.60			1.23			1.11		
ANNUAL RUNOFF (INCHES)			21.80			16.75			15.10		
10 PERCENT EXCEEDS			2570			1950			1730		
50 PERCENT EXCEEDS			482			334			244		
90 PERCENT EXCEEDS			74			27			26		

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

e Estimated.

Surface-Water Records—Symmes Creek Basin

03205470 Symmes Creek at Aid, Ohio

LOCATION.—Latitude 38°35'46", longitude 82°29'43", Lawrence County, Hydrologic Unit 05090101, on right bank, at State Route 141 at Aid, 0.1 mi west of intersection with State Route 378, 1.2 mi downstream of Sharps Creek.

DRAINAGE AREA.—302 mi².

PERIOD OF RECORD.—November 1, 2000, to current year.

GAGE.—Water-stage recorder. Datum of gage is 560.00 ft above sea level.

REMARKS.—Records fair except for periods of estimated record, 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	51	87	1500	251	e195	1230	1160	1900	60	e14	2.6	136	
2	48	89	1390	238	e190	932	1900	1190	48	e66	2.3	104	
3	43	108	973	318	e190	730	2180	925	45	e36	2.1	59	
4	38	856	848	1140	e185	523	1700	582	44	e22	2.0	33	
5	33	1050	669	1810	e185	628	1570	361	43	e11	2.3	18	
6	30	785	469	2260	e185	970	1250	281	37	e8.8	2.3	12	
7	26	534	772	2060	e180	776	692	237	31	e8.2	1.8	8.9	
8	24	347	899	2720	e180	1740	446	207	28	e7.6	1.9	6.7	
9	22	248	663	2830	e190	1390	364	181	31	e7.0	1.8	5.3	
10	19	195	806	2320	355	1000	304	160	25	e6.6	1.8	4.5	
11	17	170	1220	1900	378	686	261	145	48	e6.0	1.9	4.2	
12	16	1160	1160	1360	346	520	230	130	42	e5.6	2.4	3.5	
13	16	1130	1020	800	309	505	214	119	52	e5.2	3.1	3.2	
14	15	839	874	930	449	504	206	132	e34	e4.9	3.8	2.8	
15	18	704	643	842	774	448	190	253	e43	e4.6	3.6	2.8	
16	18	524	433	732	685	379	170	200	64	22	4.4	3.3	
17	18	329	337	630	547	329	155	146	55	83	3.7	3.0	
18	25	261	292	446	419	291	144	118	37	70	3.6	2.8	
19	251	769	267	299	328	262	135	107	27	42	4.3	2.3	
20	327	1370	240	e260	282	299	127	706	22	37	3.4	2.4	
21	327	989	199	e250	293	311	120	571	18	34	2.8	2.5	
22	301	818	235	e245	292	275	121	384	15	21	2.3	2.9	
23	199	634	548	e240	260	329	215	252	12	14	1.9	4.2	
24	151	491	840	e230	239	607	745	193	e11.5	10	1.7	3.5	
25	138	614	e560	e225	228	571	951	156	e11	8.3	1.7	4.6	
26	139	584	e450	e220	231	475	971	132	e10.5	6.7	63	5.3	
27	127	561	e330	e215	229	382	1380	115	e10	6.1	170	4.4	
28	114	586	e280	e210	486	667	1020	100	e9.6	5.0	101	3.4	
29	105	520	305	e205	---	1870	740	82	e9.2	4.1	115	5.0	
30	99	468	269	e200	---	1430	1560	66	e9.1	3.2	145	3.5	
31	93	---	257	e195	---	1220	---	54	---	2.9	192	---	
TOTAL	2848	17820	19748	26581	8810	22279	21221	10185	931.9	582.8	851.5	457.0	
MEAN	91.9	594	637	857	315	719	707	329	31.1	18.8	27.5	15.2	
MAX	327	1370	1500	2830	774	1870	2180	1900	64	83	192	136	
MIN	15	87	199	195	180	262	120	54	9.1	2.9	1.7	2.3	
CFSM	0.30	1.97	2.11	2.84	1.04	2.38	2.34	1.09	0.10	0.06	0.09	0.05	
IN.	0.35	2.20	2.43	3.27	1.09	2.74	2.61	1.25	0.11	0.07	0.10	0.06	
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001-2005, BY WATER YEAR (WY)													
MEAN	78.0	373	452	411	545	748	635	880	364	57.4	53.0	295	
MAX	120	833	637	857	1181	1050	1029	1469	903	120	200	1207	
(WY)	2003	2004	2005	2005	2003	2002	2002	2001	2003	2003	2003	2004	
MIN	1.28	3.07	36.7	56.2	118	368	204	329	31.1	14.2	6.77	8.18	
(WY)	2002	2002	2002	2001	2002	2003	2001	2005	2005	2001	2001	2001	
SUMMARY STATISTICS													
				FOR 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 2001-2005	
ANNUAL TOTAL				195639.9				132315.2					
ANNUAL MEAN				535				363					
HIGHEST ANNUAL MEAN												426	
LOWEST ANNUAL MEAN												554	
HIGHEST DAILY MEAN				6090				2830				298	
LOWEST DAILY MEAN				9.1				1.7				6580	
ANNUAL SEVEN-DAY MINIMUM				14				2.0				0.43	
MAXIMUM PEAK FLOW				Aug 25				Aug 5				0.68	
MAXIMUM PEAK STAGE								1390				May 19	
INSTANTANEOUS LOW FLOW								17.97				May 19	
ANNUAL RUNOFF (CFSM)				1.77				1.20				23.56	
ANNUAL RUNOFF (INCHES)				24.10				16.30				1.0	
10 PERCENT EXCEEDS				1370				993				Sep 18	
50 PERCENT EXCEEDS				226				190				1.41	
90 PERCENT EXCEEDS				20				3.6				19.17	
												1190	
												160	
												5.0	

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

e Estimated.