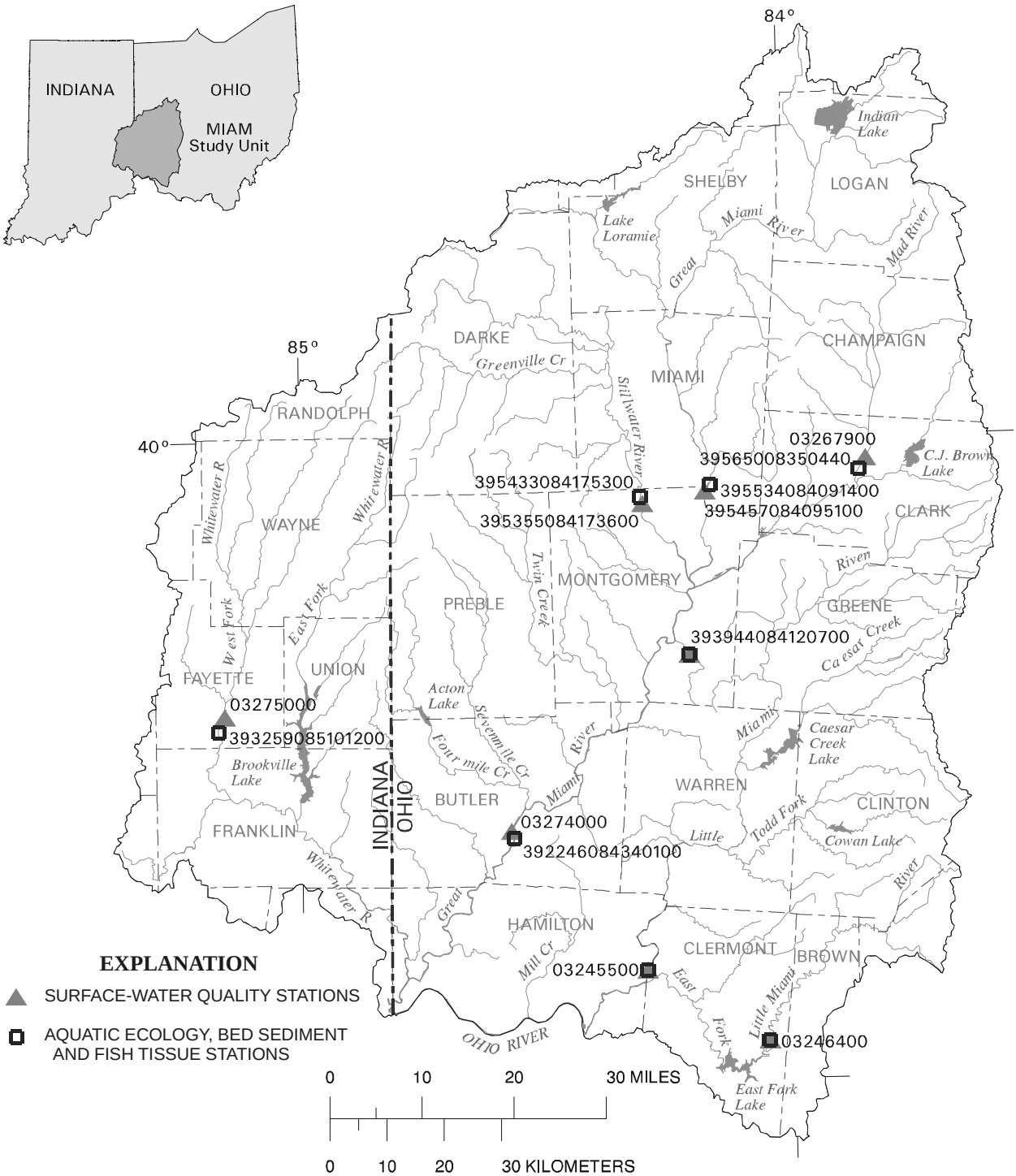
PROJECT DATA

Results from Selected Sites in the Great Miami and Little Miami River Basins

(National Water-Quality Assessment Program)

The data described in the following tables were collected and analyzed as part of the NAWQA (National Water-Quality Assessment Program) project in the Great Miami and Little Miami River Basins (MIAM). The objectives of the NAWQA Program are to broadly characterize the water quality of the Nation's streams and aquifers in relation to human and natural factors. Surveys were also done to assess the occurrence and distribution of trace elements and organochlorine compounds in fish tissue and streambed sediments. The period of high-intensity data collection for the Great Miami and Little Miami River Basins project is water years 1999-2001.



Data collected at seven stream sites in Ohio are being reported in this publication as part of the NAWQA study of the Great and Little Miami River Basins: Stillwater River at Martindale Road near Union, Ohio (395355084173600), Great Miami River near Vandalia, Ohio (395457084095100), Mad River at St. Paris Pike near Eagle City, Ohio (03267900), Holes Creek at Huffman Park near Kettering, Ohio (393944084120700), Great Miami River at Hamilton, Ohio (03274000), Little Miami River at Milford, Ohio (03245500), and East Fork Little Miami River near Williamsburg, Ohio (03246400). Data from one site in the Indiana part of the Great and Little Miami River Basins study area is reported in the 1999 Indiana annual data report: Whitewater River near Alpine, Indiana (03275000).

Streamflow data for gaging stations located at or near these sampling sites can be found in the continuous-record station sections of the Indiana and Ohio data reports.

These data also can be obtained electronically at: http://oh.water.usgs.gov/miam.html.

03245500 LITTLE MIAMI RIVER AT MILFORD, OHIO

LOCATION.--Latitude 39°10’17", longitude 84°17’53", Clermont County, Hydrologic Unit 05090202, on right bank 500 ft downstream from Wooster Pike Bridge on U.S. Highway 50 in Milford, 1.2 mi upstream from East Fork, 6.4 mi downstream from North Branch Creek, and at mile 12.9.
DRAINAGE AREA.--1,203 mi^2.
REMARKS.--Discharge data for this site are located in the surface-water section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	E. COLI WATER WHOLE TOTAL UREASE (COL/100 ML) (31633)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
OCT											
22...	0950	813	8.5	6	11.5	762	9.9	91	--	27	53
NOV											
19...	1400	628	8.5	15	9.0	748	12.3	108	590	23	33
DEC											
14...	1630	910	8.2	6	6.0	756	13.1	106	--	25	56
JAN											
13...	1130	752	7.8	1	0.0	752	13.9	96	800	11	78
21...	1300	588	8.0	10	4.0	743	15.9	123	840	18	36
FEB											
10...	1250	478	8.2	15	5.0	754	12.7	101	420	20	14
23...	1130	674	8.1	0	3.0	754	13.3	100	350	25	29
MAR											
09...	0940	514	7.9	0	2.0	746	12.8	94	--	20	16
23...	1600	588	8.6	7	6.5	751	--	--	--	23	24
APR											
07...	1230	767	8.4	20	17.0	753	10.7	112	--	26	42
22...	1340	506	7.7	27	15.0	743	9.2	94	--	18	21
MAY											
07...	1300	774	8.4	25	21.5	741	7.2	85	K58	28	38
19...	1500	800	8.2	22	22.0	753	10.6	125	320	27	45
JUN											
16...	1010	674	7.8	17	22.0	751	7.5	87	1600	18	38
29...	1010	751	7.8	22	24.5	743	7.0	88	4800	18	54
JUL											
14...	1000	866	8.0	24	25.5	751	7.6	94	70	27	62
AUG											
10...	1030	810	7.9	25	25.0	744	--	--	250	20	66
SEP											
07...	1020	1020	8.2	20	25.0	747	8.5	105	K50	26	90

03245500 LITTLE MIAMI RIVER AT MILFORD, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT											
22...	5.8	276	<1	229	49	85	71	E9	8	2.3	475
NOV											
19...	4.7	212	12	197	37	59	57	14	8	0.45	365
DEC											
14...	5.4	251	12	229	55	100	75	10	11	2.7	494
JAN											
13...	4.7	98	<1	80	27	150	41	38	19	4.2	433
21...	3.3	185	<1	154	34	69	53	11	8	5.3	351
FEB											
10...	3.2	146	<1	122	30	30	51	<10	3	5.1	276
23...	3.0	268	<1	223	45	58	71	E8	17	4.4	406
MAR											
09...	2.8	200	<1	166	29	33	54	E7	3	5.4	292
23...	2.9	205	12	190	38	45	63	E5	9	2.5	352
APR											
07...	3.5	276	<1	229	49	77	72	E9	6	0.34	439
22...	3.1	188	<1	156	31	39	55	16	5	3.8	296
MAY											
07...	3.5	281	<1	234	48	71	74	E6	15	1.8	455
19...	4.2	281	<1	233	50	82	71	<10	15	3.4	462
JUN											
16...	5.1	203	<1	168	36	66	54	<10	13	7.8	387
29...	4.7	185	<1	154	43	86	58	E8	8	6.1	424
JUL											
14...	5.4	271	<1	225	51	110	68	<10	6	7.9	490
AUG											
10...	5.6	195	<1	162	48	110	58	E6	3	7.6	449
SEP											
07...	8.0	229	10	207	62	150	71	<10	3	5.5	570

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
22...	0.01	3.4	<0.02	0.42	0.31	0.42	0.42	0.38	3.0	0.4	8
NOV											
19...	0.02	1.9	0.02	0.45	0.34	0.37	0.33	0.30	3.3	0.6	8
DEC											
14...	0.03	3.0	0.02	0.43	0.22	0.52	0.50	0.47	3.3	0.3	3
JAN											
13...	0.02	1.4	0.17	2.0	0.62	0.90	0.17	0.14	--	--	401
21...	0.02	4.0	0.07	0.85	0.46	0.22	0.12	0.10	4.4	0.8	63
FEB											
10...	0.02	4.0	0.05	0.56	0.33	0.15	0.08	0.09	3.6	1.0	53
23...	0.03	3.6	0.03	0.43	0.25	0.16	0.14	0.14	2.8	0.2	5
MAR											
09...	0.01	4.1	0.02	0.61	0.37	0.16	0.09	0.09	3.5	0.5	36
23...	0.02	3.3	<0.02	0.34	0.28	0.09	0.06	0.05	3.0	0.2	5
APR											
07...	0.03	1.9	<0.02	0.50	0.30	0.19	0.15	0.12	3.3	0.6	5
22...	0.03	2.6	0.06	1.4	0.46	0.30	0.09	0.06	5.2	3.4	120
MAY											
07...	0.06	3.1	0.09	0.55	0.38	0.26	0.19	0.17	3.0	0.4	16
19...	0.06	2.3	0.04	0.67	0.37	0.40	0.30	0.29	3.5	1.3	20
JUN											
16...	0.06	2.4	0.07	0.91	0.52	0.46	0.29	0.23	4.9	2.5	94
29...	0.04	1.7	0.14	1.1	0.51	0.71	0.42	0.35	4.8	2.1	137
JUL											
14...	0.02	2.3	<0.02	0.66	0.37	0.54	0.48	0.42	3.5	1.6	35
AUG											
10...	0.02	2.2	0.07	0.74	0.40	0.51	0.39	0.42	4.0	1.1	51
SEP											
07...	0.02	3.3	<0.02	0.58	0.40	0.80	0.72	0.64	3.6	1.0	29

03246400 EAST FORK LITTLE MIAMI RIVER NEAR WILLIAMSBURG, OHIO

LOCATION.--Latitude 39°03′32", longitude 84°03′05", Clermont County, Hydrologic Unit 05090202, at mile 36.0.
DRAINAGE AREA.--234.2 mi^2.
REMARKS.--Discharge is not measured at this site. Discharge is measured 1.0 mile downstream at East Fork Little Miami River at Williamsburg, Ohio (03246400).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
DEC											
14...	1230	474	8.1	6	5.0	747	11.7	93	--	16	12
MAR											
23...	1320	583	8.1	4	7.0	744	11.8	99	--	17	8.8
MAY											
11...	1250	542	8.2	29	23.0	741	10.0	120	K35	23	13
25...	1200	556	8.3	18	18.5	737	8.0	88	K35	22	16
JUN											
09...	0940	719	8.1	27	26.0	741	7.5	95	300	24	25
22...	1000	740	8.1	24	23.0	743	6.2	74	280	26	23
JUL											
08...	1040	586	8.1	25	23.0	741	7.3	82	120	23	21
21...	0850	465	7.3	24	26.5	742	2.0	26	460	18	20

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
DEC												
14...	6.0	<1	185	154	36	28	58	14	12	0.6	267	0.02
MAR												
23...	2.6	<1	205	170	38	19	55	E8	15	3.0	281	0.04
MAY												
11...	3.7	5	220	190	39	27	63	E6	E3	0.5	315	0.01
25...	3.9	<1	237	197	--	30	59	<10	E2	1.0	338	<0.01
JUN												
09...	3.6	<1	253	210	40	40	63	<10	7	0.4	364	<0.01
22...	4.0	<1	259	215	42	40	60	<10	7	2.8	352	<0.01
JUL												
08...	2.3	24	171	182	25	41	52	<10	27	1.8	304	<0.01
21...	4.3	<1	173	144	21	34	43	E6	105	1.9	250	<0.01

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)
DEC												
14...	0.09	0.02	0.45	0.25	0.06	0.05	0.04	4.7	0.4	4	0.015	E0.004
MAR												
23...	1.6	<0.02	0.32	0.47	0.07	0.04	<0.01	3.9	0.2	17	<0.002	0.006
MAY												
11...	0.22	0.07	0.61	0.41	0.08	0.04	0.04	4.5	1.1	11	0.16	0.021
25...	0.16	0.02	0.73	0.42	0.12	0.06	0.04	4.8	1.7	18	0.13	0.29
JUN												
09...	<0.05	<0.02	0.80	0.42	0.13	0.06	0.04	4.9	1.5	24	0.009	0.016
22...	<0.05	<0.02	0.75	0.42	0.13	0.06	0.05	5.2	1.5	16	0.052	0.030
JUL												
08...	0.08	<0.02	--	0.43	0.14	0.08	0.06	--	--	13	0.012	<0.002
21...	<0.05	0.02	0.64	0.54	0.14	0.06	0.03	--	--	31	<0.002	<0.002

03246400 EAST FORK LITTLE MIAMI RIVER NEAR WILLIAMSBURG, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)
DEC												
14...	1.8	E0.28	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.11	<0.002	<0.0060	<0.002
MAR												
23...	0.052	E0.054	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.010	<0.002	<0.0060	<0.002
MAY												
11...	2.40	E0.14	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.069	<0.002	<0.0060	<0.002
25...	7.33	E0.56	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.12	<0.002	<0.0060	<0.002
JUN												
09...	1.19	E0.10	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.031	<0.002	<0.0060	<0.002
22...	1.25	E0.11	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.048	<0.002	<0.0060	<0.002
JUL												
08...	2.07	E0.28	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.21	<0.002	<0.0060	<0.002
21...	1.52	E0.22	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.15	<0.002	<0.0060	<0.002

DATE	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
DEC											
14...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
MAR											
23...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
MAY											
11...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
25...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
JUN											
09...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
22...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
JUL											
08...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
21...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005

DATE	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
DEC											
14...	0.23	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.010
MAR											
23...	0.041	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
MAY											
11...	0.38	<0.010	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.003
25...	1.8	0.030	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
JUN											
09...	0.25	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.004
22...	0.76	<0.010	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.010
JUL											
08...	0.18	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
21...	0.063	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.009

03246400 EAST FORK LITTLE MIAMI RIVER NEAR WILLIAMSBURG, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DEC											
14...	<0.003	<0.007	<0.004	<0.013	0.11	<0.010	<0.007	<0.013	<0.002	<0.001	<0.002
MAR											
23...	<0.003	<0.007	<0.004	<0.013	0.007	<0.010	<0.007	<0.013	<0.002	<0.001	<0.002
MAY											
11...	<0.003	<0.007	<0.004	<0.013	0.040	E0.005	<0.007	<0.013	<0.002	<0.001	<0.002
25...	<0.003	<0.007	<0.004	<0.013	0.51	<0.010	<0.007	<0.013	<0.002	<0.001	<0.002
JUN											
09...	<0.003	<0.007	<0.004	<0.013	0.078	<0.010	<0.007	<0.013	<0.002	<0.001	<0.002
22...	<0.003	<0.007	<0.004	<0.013	0.13	<0.010	<0.007	<0.013	<0.002	<0.001	<0.002
JUL											
08...	<0.003	<0.007	<0.004	<0.013	0.29	<0.010	<0.007	<0.013	<0.002	<0.001	<0.002
21...	<0.003	<0.007	<0.004	<0.013	0.30	0.010	<0.007	<0.013	<0.002	<0.001	E0.003

03267900 MAD RIVER AT ST. PARIS PIKE NEAR EAGLE CITY, OHIO

LOCATION.--Latitude 39°57′51", longitude 83°49′54", Clark County, Hydrologic Unit 05080001, and at mile 28.8.
DRAINAGE AREA.--310 mi^2.
REMARKS.--This station is maintained by the Miami Conservancy District. Discharge data for this site are located in the surface-water section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	E. COLI WATER WHOLE TOTAL UREASE (COL/100 ML) (31633)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
OCT											
19...	1030	694	8.0	11	12.0	743	10.3	99	--	33	9.3
NOV											
17...	1030	725	7.8	7	9.5	738	10.8	98	K42	34	11
DEC											
17...	1000	730	8.1	0	5.5	737	11.5	95	320	35	12
JAN											
11...	1200	335	8.1	-7	-0.5	742	13.9	97	36	36	11
19...	1440	559	7.8	4	3.0	740	12.4	95	360	22	9.3
FEB											
09...	0930	653	7.9	7	6.0	739	11.0	91	320	28	7.1
25...	1100	747	8.1	2	6.0	740	12.3	101	40	33	9.1
MAR											
03...	1200	655	8.1	0	6.0	726	12.0	100	K310	27	8.0
10...	1130	711	8.1	-2	5.0	743	12.0	96	--	32	9.6
17...	1100	601	8.0	17	6.5	735	10.4	88	--	25	7.2
25...	1010	695	8.1	7	6.5	744	--	--	--	34	9.1
APR											
05...	1000	717	8.0	9	11.5	742	11.3	107	--	34	8.7
09...	1500	668	8.3	15	15.5	722	12.1	127	--	31	10
20...	1020	645	7.9	9	9.5	739	10.7	97	--	30	7.4
21...	1400	409	7.7	22	11.5	732	10.5	100	--	19	5.3
28...	1130	296	7.7	15	10.0	737	10.0	92	5800	11	3.5
MAY											
06...	1330	705	8.1	18	17.0	728	8.0	87	39	33	8.6
13...	0910	750	7.7	12	14.0	732	9.6	97	260	34	10
19...	0850	736	7.8	13	13.5	741	9.4	92	230	33	9.3
26...	1140	723	8.0	15	12.0	--	10.0	96	K55	35	9.5
JUN											
08...	0940	751	7.9	25	18.5	739	8.9	98	160	36	11
17...	1300	717	8.1	20	15.5	742	11.0	112	K52	33	8.4
24...	0920	725	7.9	24	17.5	733	8.9	97	140	34	9.9
JUL											
01...	1320	710	8.1	25	18.0	732	8.3	91	140	34	9.2
06...	1940	689	8.0	25	22.0	737	5.3	63	780	33	8.6
13...	1050	723	7.9	25	16.5	741	8.6	90	220	35	9.8
21...	1410	691	8.1	31	20.5	738	7.7	89	1400	32	8.7
22...	0900	352	7.7	26	20.5	739	7.3	84	--	15	4.0
AUG											
12...	0920	746	7.9	21	17.0	738	8.4	93	130	35	12
SEP											
09...	1020	704	7.8	22	17.5	734	--	--	110	35	12

03267900 MAD RIVER AT ST. PARIS PIKE NEAR EAGLE CITY, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT												
19...	2.4	<1	322	267	58	20	88	E9	7	0.3	9.2	431
NOV												
17...	2.2	<1	344	286	65	23	90	22	<3	0.3	6.7	451
DEC												
17...	2.3	<1	356	296	63	23	92	E6	E3	0.3	8.0	449
JAN												
11...	<0.10	<1	349	286	64	24	95	E7	19	0.3	9.5	466
19...	2.8	<1	195	162	50	23	63	15	20	0.2	6.6	337
FEB												
09...	2.4	<1	264	219	56	19	78	E6	14	0.3	8.0	377
25...	2.0	<1	349	289	68	20	91	16	28	0.3	7.6	446
MAR												
03...	2.0	<1	290	241	51	20	77	<10	14	0.2	6.9	383
10...	2.0	<1	322	267	64	22	90	E6	23	0.2	7.9	430
17...	2.0	<1	268	223	48	19	68	11	14	0.3	5.7	371
25...	1.9	<1	342	284	66	20	92	20	21	0.3	6.0	416
APR												
05...	1.6	<1	312	259	64	20	91	23	13	0.3	3.8	372
09...	2.1	24	259	255	62	20	80	E6	<3	0.3	7.6	365
20...	1.7	<1	300	249	52	20	83	<10	13	0.2	5.6	282
21...	3.1	<1	195	162	26	14	52	13	7	0.4	4.7	253
28...	3.1	<1	113	94	15	8.2	33	23	5	0.2	4.0	176
MAY												
06...	2.0	<1	334	278	61	19	87	14	14	0.3	6.6	435
13...	1.9	<1	347	288	63	21	87	E9	9	0.3	6.2	39
19...	2.1	<1	339	282	61	21	85	13	9	0.3	7.5	443
26...	2.0	<1	344	286	62	20	90	E10	7	0.3	8.2	422
JUN												
08...	1.9	<1	342	284	62	23	94	<10	4	0.3	9.2	435
17...	2.0	<1	339	282	62	19	91	E5	4	0.3	8.2	409
24...	2.0	<1	329	274	67	21	87	<10	E2	0.3	6.3	400
JUL												
01...	2.0	<1	334	278	65	20	88	<10	<3	0.3	6.8	407
06...	2.0	24	264	259	62	21	85	<10	4	0.3	7.1	375
13...	1.9	<1	336	279	63	21	90	<10	5	0.3	7.1	401
21...	2.1	10	293	259	56	20	86	E6	7	0.2	8.3	391
22...	4.1	<1	159	131	27	10	43	23	<3	0.2	6.7	213
AUG												
12...	2.3	<1	326	270	63	25	90	15	4	0.3	5.1	384
SEP												
09...	2.7	<1	349	290	62	25	87	<10	6	0.3	6.5	412

03267900 MAD RIVER AT ST. PARIS PIKE NEAR EAGLE CITY, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)
OCT												
19...	0.01	3.6	<0.02	0.3	0.1	0.08	0.08	0.06	2.0	0.3	15	--
NOV												
17...	0.02	3.6	0.03	0.1	0.3	0.05	0.04	0.05	1.3	0.3	3	--
DEC												
17...	0.02	4.2	0.03	0.1	<0.1	0.13	0.13	0.10	1.1	0.2	3	--
JAN												
11...	0.02	4.4	0.05	0.3	0.2	0.08	0.05	0.05	--	--	27	--
19...	0.02	6.3	0.08	1.0	0.5	0.20	0.12	0.10	4.3	0.8	42	--
FEB												
09...	0.01	6.1	0.06	0.4	0.3	0.09	0.05	0.06	3.0	0.8	38	--
25...	0.01	4.1	0.03	0.3	0.2	0.03	0.02	0.02	1.4	0.2	11	--
MAR												
03...	0.02	5.2	0.03	0.3	0.2	0.07	0.04	0.04	2.7	0.3	16	<0.002
10...	0.01	4.2	0.04	0.2	0.2	0.04	0.02	0.04	1.8	<0.2	22	<0.002
17...	0.02	4.6	0.07	0.5	0.4	0.08	0.04	0.04	2.6	0.4	25	<0.002
25...	0.01	3.8	<0.02	0.2	0.2	0.02	0.02	0.01	1.6	<0.2	17	<0.002
APR												
05...	0.03	3.5	<0.02	0.2	0.1	0.02	0.007	<0.01	1.6	0.3	15	<0.002
09...	0.04	3.1	<0.02	1.6	0.2	0.20	0.009	0.01	2.0	1.6	105	0.023
20...	0.02	5.4	0.03	0.5	0.2	0.04	0.02	0.02	2.6	0.3	29	0.048
21...	0.03	4.1	0.15	3.4	0.6	0.80	0.08	0.06	4.9	>10	662	0.042
28...	0.04	3.7	0.32	6.1	1.0	1.7	0.11	0.08	5.2	>10	1870	4.0
MAY												
06...	0.02	3.9	0.04	0.2	0.2	0.11	0.10	0.09	--	0.2	34	0.030
13...	0.03	4.0	0.02	0.2	0.2	0.05	0.03	0.02	1.6	0.2	25	0.017
19...	0.06	3.9	0.14	0.4	0.3	0.04	0.03	0.03	1.7	0.3	36	0.079
26...	0.04	4.1	0.04	0.3	0.2	0.05	0.04	0.04	1.4	0.3	38	0.001
JUN												
08...	0.06	3.7	0.06	0.2	0.2	0.08	0.07	0.08	1.2	0.4	28	<0.002
17...	0.03	4.4	<0.02	0.3	0.2	0.04	0.03	0.03	2.3	0.3	22	0.052
24...	0.04	3.6	<0.02	0.2	0.1	0.04	0.04	0.04	2.0	0.2	13	<0.002
JUL												
01...	0.01	3.6	0.02	0.2	0.2	0.08	0.06	0.06	1.7	0.3	8	<0.002
06...	0.01	3.5	0.02	0.3	0.2	0.05	0.04	0.03	2.1	0.3	29	<0.002
13...	0.01	3.5	<0.02	0.2	0.2	0.05	0.04	0.04	1.9	0.2	19	<0.002
21...	0.01	3.8	<0.02	0.3	0.2	0.07	0.05	0.04	2.0	0.4	42	E0.02
22...	0.03	3.1	0.03	2.9	0.5	0.64	0.06	0.04	6.8	>10	557	0.023
AUG												
12...	<0.01	3.6	<0.02	0.2	0.1	0.03	0.02	0.01	1.8	0.3	24	<0.002
SEP												
09...	0.02	4.0	<0.02	0.6	0.2	0.09	0.08	0.07	1.9	0.4	10	<0.002

03267900 MAD RIVER AT ST. PARIS PIKE NEAR EAGLE CITY, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)
OCT												
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
17...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
11...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
09...	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
03...	<0.002	0.054	E0.035	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
10...	<0.002	0.027	E0.017	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
17...	<0.002	0.045	E0.037	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
25...	<0.002	0.013	E0.009	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
APR												
05...	<0.002	0.013	E0.005	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
09...	<0.020	0.029	E0.008	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
20...	<0.002	0.43	E0.047	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.022	<0.002	<0.006
21...	0.006	4.6	E0.15	<0.001	<0.002	<0.002	E0.003	<0.003	<0.004	<0.020	<0.002	<0.006
28...	0.009	E22	E0.30	<0.001	<0.002	<0.002	E0.023	<0.003	<0.004	<0.030	<0.002	<0.006
MAY												
06...	<0.002	0.13	E0.015	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
13...	<0.002	0.072	E0.006	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
19...	<0.002	0.19	E0.014	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
26...	<0.002	0.081	E0.014	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
JUN												
08...	<0.002	0.018	E0.003	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
17...	<0.002	0.54	E0.087	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.008	<0.002	<0.006
24...	<0.002	0.074	E0.009	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
JUL												
01...	<0.002	0.020	<0.002	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
06...	<0.002	0.024	E0.005	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
13...	<0.002	0.024	E0.006	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
21...	<0.002	0.11	E0.038	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	e0.003	<0.002	<0.006
22...	0.027	0.57	E0.19	<0.001	<0.002	<0.002	E0.16	<0.003	<0.004	0.014	<0.002	<0.006
AUG												
12...	<0.002	0.008	<0.002	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
SEP												
09...	<0.002	<0.001	<0.002	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006

03267900 MAD RIVER AT ST. PARIS PIKE NEAR EAGLE CITY, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
OCT												
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
17...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
11...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
09...	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
03...	<0.002	<0.01	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
10...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
17...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
25...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
APR												
05...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
09...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
20...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.020
21...	0.014	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
28...	0.028	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
MAY												
06...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
13...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
19...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
26...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
JUN												
08...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
17...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
24...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
JUL												
01...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
06...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
13...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
21...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
22...	E0.003	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
AUG												
12...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
SEP												
09...	<0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005

03267900 MAD RIVER AT ST. PARIS PIKE NEAR EAGLE CITY, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
17...	--	--	--	--	--	--	--	--	--	--	--
DEC											
17...	--	--	--	--	--	--	--	--	--	--	--
JAN											
11...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
FEB											
09...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
MAR											
03...	0.043	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
10...	0.012	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
17...	0.041	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
25...	0.006	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
APR											
05...	0.007	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
09...	0.032	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.01	<0.005	<0.002	<0.018
20...	0.27	0.025	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
21...	4.6	0.20	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
28...	7.9	0.28	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.006
MAY											
06...	0.070	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
13...	0.035	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
19...	0.091	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.022
26...	0.036	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
JUN											
08...	0.008	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
17...	0.22	0.006	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
24...	0.030	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
JUL											
01...	0.008	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
06...	0.02	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
13...	0.012	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
21...	0.18	0.007	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.002
22...	0.58	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.003
AUG											
12...	0.005	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
SEP											
09...	<0.002	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018

03267900 MAD RIVER AT ST. PARIS PIKE NEAR EAGLE CITY, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L)	PROP-CHLOR, WATER, DISS, REC (UG/L)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L)	SI-MAZINE, WATER, DISS, REC (UG/L)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L)
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
17...	--	--	--	--	--	--	--	--	--	--	--
DEC											
17...	--	--	--	--	--	--	--	--	--	--	--
JAN											
11...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
FEB											
09...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
MAR											
03...	<0.003	<0.007	<0.004	<0.013	<0.01	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
10...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
17...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
25...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
APR											
05...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
09...	<0.003	<0.007	<0.004	<0.013	0.006	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
20...	<0.003	<0.007	<0.004	<0.013	0.17	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
21...	<0.003	<0.007	<0.004	<0.013	0.054	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
28...	<0.003	<0.007	<0.004	<0.013	0.12	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
MAY											
06...	<0.003	<0.007	<0.004	<0.013	0.014	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
13...	<0.003	<0.007	<0.004	<0.013	<0.01	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
19...	<0.003	<0.007	<0.004	<0.013	0.014	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
26...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
JUN											
08...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
17...	<0.003	<0.007	<0.004	<0.013	0.085	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
24...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
JUL											
01...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
06...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
13...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
21...	<0.003	<0.007	<0.004	<0.013	E0.004	E0.007	<0.007	<0.013	<0.002	<0.001	<0.002
22...	<0.003	<0.007	<0.004	<0.013	0.27	0.011	E0.087	<0.013	<0.002	<0.001	<0.002
AUG											
12...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
SEP											
09...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002

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03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO

LOCATION.--Latitude 39°23′28", longitude 84°34′20", in NE 1/4 sec. 6, T.1 N., R.3 E., Butler County, Hydrologic Unit 05080002, on right bank 1,000 ft downstream from Columbia Bridge at Hamilton, 3 mi downstream from Four Mile Creek, 4.3 mi upstream from Pleasant Run, and at mile 34.8.
DRAINAGE AREA.--3,630 mi^2.
REMARKS.--Discharge data are furnished by Miami Conservancy District. Discharge data for this site are located in the surface-water section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	E. COLI WATER WHOLE TOTAL UREASE (COL/ 100 ML) (31633)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT											
21...	1430	909	8.4	11	16.0	751	10.3	106	--	31	67
NOV											
19...	0945	900	8.2	14	11.0	747	10.8	100	104	32	59
DEC											
15...	0930	990	8.3	2	7.5	756	12.3	103	180	32	66
JAN											
13...	0930	1410	8.1	2	4.0	750	14.1	110	K80	31	140
21...	1000	527	7.8	6	2.5	744	17.5	132	900	18	22
FEB											
10...	0940	489	8.0	13	5.0	754	13.5	109	590	19	13
23...	1430	742	8.2	2	4.5	752	13.5	106	140	29	31
MAR											
08...	1400	497	7.9	0	3.0	760	13.4	100	--	20	14
24...	0920	682	8.5	3	8.0	750	7.0	61	--	28	26
APR											
07...	0920	768	8.4	13	16.5	753	--	--	--	30	37
22...	0900	497	7.7	22	13.5	742	10.3	101	--	19	16
MAY											
07...	0945	733	8.6	18	--	741	--	--	240	29	33
20...	1000	819	8.2	23	21.0	751	10.7	122	K100	30	41
JUN											
14...	1440	662	8.1	30	26.0	740	8.6	107	4800	25	37
29...	1230	826	8.6	27	26.5	741	8.1	104	420	30	58
JUL											
15...	1120	793	8.4	30	28.0	749	12.1	157	K162	30	54
27...	1315	773	8.1	31	30.0	744	7.1	96	--	25	49
AUG											
10...	1400	921	8.7	--	28.0	740	--	--	K60	31	73
24...	1140	981	8.4	22	26.5	741	7.9	101	180	31	85
SEP											
07...	1330	1020	8.5	26	28.0	743	8.2	106	120	33	93
30...	1030	1100	8.3	18	21.0	748	8.0	88	660	36	103

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SUL-FATE, DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT												
21...	5.6	261	237	79	99	75	E5	4	0.6	4.9	557	0.02
NOV												
19...	5.3	268	263	81	93	80	36	10	0.5	2.9	547	0.02
DEC												
15...	--	288	263	84	108	83	16	9	0.6	4.2	581	0.04
JAN												
13...	4.9	293	240	80	241	82	25	24	0.5	5.1	800	0.03
21...	3.4	149	124	35	46	50	21	4	0.2	5.2	300	0.03
FEB												
10...	3.4	159	132	34	32	53	16	E3	0.2	6.7	289	0.02
23...	3.2	293	243	62	58	78	11	13	0.3	6.5	460	0.02
MAR												
08...	3.0	168	140	36	29	55	14	E3	0.2	6.4	295	0.02
24...	2.8	234	211	56	49	74	13	6	0.3	3.9	463	0.08
APR												
07...	3.3	234	207	64	66	70	14	4	0.3	<0.05	417	0.04
22...	2.9	171	142	31	32	53	14	E2	0.2	4.5	296	0.05
MAY												
07...	3.3	271	225	58	58	72	E8	E2	0.4	2.1	443	0.02
20...	3.9	246	237	18	19	73	<10	<3	0.1	1.4	179	0.03
JUN												
14...	3.9	112	211	54	62	56	<10	<3	0.4	5.2	411	<0.01
29...	5.0	190	202	72	94	65	E8	E2	0.5	1.2	501	0.04
JUL												
15...	4.6	172	163	70	85	43	<10	<3	0.5	0.08	410	0.03
27...	4.6	237	196	--	83	57	E6	E3	0.5	4.9	432	0.05
AUG												
10...	5.6	188	205	87	109	68	10	E2	0.5	<0.05	515	0.04
24...	6.3	215	194	86	133	62	<10	E2	0.6	0.37	563	0.04
SEP												
07...	6.6	229	190	103	139	58	<10	E2	0.6	0.54	574	0.06
30...	7.2	205	203	106	158	71	E6	<2	0.6	1.6	632	0.06

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[---, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)
OCT												
21...	3.1	0.02	0.8	0.5	0.44	0.39	0.34	4.1	1.1	23	--	--
NOV												
19...	2.7	0.03	0.7	0.4	0.37	0.30	0.26	3.4	1.3	20	--	--
DEC												
15...	3.3	0.02	0.7	0.4	0.46	0.43	0.37	3.6	1.2	7	--	--
JAN												
13...	3.3	0.11	0.6	0.5	0.35	0.32	0.25	--	--	10	--	--
21...	5.2	0.19	1.1	0.7	0.32	0.18	0.16	5.5	2.2	78	--	--
FEB												
10...	7.6	0.07	1.1	0.5	0.32	0.16	0.16	4.9	2.9	108	--	--
23...	4.6	<0.02	0.5	0.3	0.18	0.14	0.13	2.9	0.4	7	--	--
MAR												
08...	5.9	0.07	1.2	0.6	0.33	0.14	0.14	4.5	2.0	116	<0.01	<0.002
24...	4.6	0.02	0.6	0.3	0.16	0.10	0.08	3.0	0.3	18	<0.002	<0.002
APR												
07...	2.2	<0.02	1.1	0.3	0.17	0.05	0.03	3.3	1.9	26	<0.002	<0.002
22...	4.7	0.01	2.1	0.7	0.52	0.12	0.09	4.8	5.7	296	0.45	0.097
MAY												
07...	3.3	0.04	0.9	0.3	0.18	0.10	0.08	3.6	1.8	16	0.057	0.005
20...	2.9	<0.02	0.9	0.4	0.27	0.14	0.11	3.9	2.1	34	0.34	0.28
JUN												
14...	<0.05	<0.02	1.3	0.5	0.37	0.17	0.01	4.2	4.7	99	0.12	0.011
29...	1.7	0.03	1.7	0.4	0.34	0.14	0.10	4.4	4.3	39	<0.002	<0.002
JUL												
15...	0.69	<0.02	1.7	0.5	0.20	0.02	<0.01	4.5	>5	27	<0.002	<0.002
27...	1.4	0.10	1.2	0.6	0.35	0.21	0.19	5.0	1.6	32	<0.002	<0.002
AUG												
10...	1.2	<0.02	1.7	0.4	0.30	0.14	0.10	5.5	5.0	84	<0.002	<0.002
24...	1.3	0.10	1.6	0.6	0.30	0.11	0.08	5.7	1.9	82	<0.002	<0.002
SEP												
07...	1.4	0.04	1.5	0.6	0.24	0.06	0.05	5.4	3.5	27	<0.002	<0.002
30...	2.0	0.19	1.6	0.7	0.36	0.17	0.13	5.4	1.4	--	<0.002	<0.002

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZIN-PHOS FLTRD 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN FLTRD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DIS-SOLVED (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)
OCT												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
19...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
13...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
10...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
08...	0.099	E0.053	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.019	<0.002	<0.006	<0.002
24...	0.074	E0.045	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.006	<0.002	<0.006	<0.002
APR												
07...	0.074	E0.026	<0.001	<0.002	<0.002	<0.003	<0.003	0.023	0.010	<0.002	<0.006	0.008
22...	3.5	E0.11	<0.001	<0.002	<0.002	E0.004	<0.003	0.040	0.90	<0.002	<0.006	0.053
MAY												
07...	0.61	E0.042	<0.001	<0.002	<0.002	<0.003	<0.003	<0.01	0.074	<0.002	<0.006	0.005
20...	4.8	E0.30	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.66	<0.002	<0.006	0.029
JUN												
14...	1.4	E0.14	<0.001	<0.002	<0.002	<0.01	<0.003	<0.004	0.071	<0.002	<0.006	0.063
29...	0.73	E0.11	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.085	<0.002	<0.006	0.006
JUL												
15...	0.23	E0.030	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.021	<0.002	<0.006	0.014
27...	0.18	E0.026	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.02	<0.002	<0.006	0.024
AUG												
10...	0.19	E0.045	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	0.011	<0.002	<0.006	0.015
24...	0.092	E0.026	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006	<0.01
SEP												
07...	0.050	E0.014	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006	<0.01
30...	0.037	E0.013	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006	0.013

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)
OCT												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
19...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
13...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
10...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
08...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.099
24...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.035
APR												
07...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.046
22...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	1.3
MAY												
07...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.24
20...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.01	<0.002	<0.005	3.9
JUN												
14...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.48
29...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.24
JUL												
15...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.091
27...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.080
AUG												
10...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.080
24...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.032
SEP												
07...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.019
30...	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005	0.01

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	METRI-BUZIN SENCOR DIS-SOLVED (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION FLTRD 0.7 U GF, REC (UG/L) (82667)	PEB-ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN FLTRD 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS FLTRD 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)
OCT												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
19...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
13...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
10...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
08...	<0.01	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018	<0.003	<0.007
24...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.004	<0.003	<0.007
APR												
07...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.008	<0.003	<0.007
22...	0.16	<0.004	<0.003	<0.004	<0.006	<0.004	<0.01	<0.005	<0.002	0.024	<0.003	<0.007
MAY												
07...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.014	<0.003	<0.007
20...	0.047	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.035	<0.003	<0.007
JUN												
14...	<0.01	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.20	<0.003	<0.007
29...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.099	<0.003	<0.007
JUL												
15...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.045	<0.003	<0.007
27...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.061	<0.003	<0.007
AUG												
10...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.032	<0.003	<0.007
24...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.037	<0.003	<0.007
SEP												
07...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.076	<0.003	<0.007
30...	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.035	<0.003	<0.007

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN FLTRD 0.7 U GF, REC (UG/L) (82661)
OCT									
21...	--	--	--	--	--	--	--	--	--
NOV									
19...	--	--	--	--	--	--	--	--	--
DEC									
15...	--	--	--	--	--	--	--	--	--
JAN									
13...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
FEB									
10...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
MAR									
08...	<0.004	<0.013	0.018	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
24...	<0.004	<0.06	0.012	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
APR									
07...	<0.004	<0.013	0.024	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
22...	<0.004	<0.013	0.47	<0.01	<0.007	<0.013	<0.002	<0.001	E0.002
MAY									
07...	<0.004	<0.013	0.11	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
20...	<0.004	<0.013	0.78	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
JUN									
14...	<0.004	<0.013	0.16	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
29...	<0.004	<0.013	0.099	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
JUL									
15...	<0.004	<0.013	0.024	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
27...	<0.004	<0.013	0.033	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
AUG									
10...	<0.004	<0.013	0.022	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
24...	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
SEP									
07...	<0.004	<0.013	0.027	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
30...	<0.004	<0.013	0.011	<0.01	<0.007	E0.002	<0.002	<0.001	<0.002

393944084120700 HOLES CREEK AT HUFFMAN PARK NEAR KETTERING, OHIO

LOCATION.--Latitude 39°39′44", longitude 84°12′07", Montgomery County, Hydrologic Unit 05080001, and at mile 2.6.
DRAINAGE AREA.--20.0 mi².
REMARKS.--10 discharge measurements were made at this site. Streamflow computed from these measurements is reported below. Continuous stage data are collected at Holes Creek at Mad River Road (03271300), a station 0.6 miles upstream of the sampling site that is maintained by the Miami Conservancy District.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	E. COLI WATER WHOLE TOTAL UREASE (COL/ 100 ML) (31633)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT												
20...	1030	4.7	479	8.1	12	12.0	748	10.6	100	--	16	23
NOV												
18...	1300	5.5	676	8.2	16	6.5	746	7.9	66	K39	25	32
DEC												
16...	0900	--	750	8.1	-3	1.0	745	13.3	97	43	28	35
JAN												
12...	0900	--	2630	7.9	4	0.0	739	10.2	72	130	31	393
20...	0945	--	1150	8.1	6	3.0	743	12.9	98	150	21	116
FEB												
09...	1230	--	736	7.8	14	7.0	743	12.5	106	K180	21	51
24...	1045	6.8	976	8.3	2	2.5	749	14.1	105	--	30	72
MAR												
09...	1640	--	877	8.3	1	0.5	738	13.3	96	--	24	79
24...	1230	8.6	879	8.4	13	10.0	741	--	--	--	30	62
APR												
06...	1330	16	920	8.0	18	18.0	736	10.4	114	--	27	71
16...	1030	--	831	8.1	6	10.0	727	10.6	98	340	23	70
21...	0830	439	475	7.8	16	11.0	738	10.3	97	--	12	29
29...	1015	--	773	8.2	15	12.5	746	11.9	115	--	23	51
MAY												
06...	0930	--	800	8.1	19	17.0	730	8.1	88	7900	25	52
13...	1245	4.9	763	7.9	20	17.5	736	8.2	88	K5000	26	52
18...	1450	--	889	8.0	18	18.5	740	8.7	96	2900	31	50
26...	0910	--	784	7.9	13	13.5	740	9.1	90	220	23	45
JUN												
10...	0930	1.7	826	7.9	29	22.5	742	7.7	92	270	30	46
12...	1715	--	353	7.7	20	23.0	743	8.4	100	>8000	9.6	24
23...	0940	1.7	827	7.8	26	19.5	741	8.7	98	260	29	43
JUL												
01...	0930	--	698	8.1	25	21.5	737	9.5	111	630	23	40
07...	1230	--	712	8.1	30	27.5	741	7.9	103	330	25	43
14...	1220	--	687	7.9	26	21.5	743	8.1	95	73	25	40
20...	1000	53	251	8.1	25	23.5	744	8.6	104	K20000	7.4	18
27...	1000	--	351	7.9	25	25.0	740	7.9	98	--	8.7	20
AUG												
04...	0920	--	696	7.9	24	22.0	745	8.1	96	110	27	40
11...	0930	--	740	8.1	24	23.5	738	8.9	109	95	30	40
19...	1040	--	600	8.0	20	20.5	739	--	--	K13000	19	24
24...	1740	--	592	8.0	20	20.0	736	8.9	100	24000	12	23
SEP												
08...	0920	--	757	8.1	20	20.0	738	8.9	101	130	30	41

393944084120700 HOLES CREEK AT HUFFMAN PARK NEAR KETTERING, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT												
20...	2.5	<1	173	144	29	41	46	E9.3	4.7	0.23	4.4	271
NOV												
18...	2.5	12	254	231	40	64	66	20	7.6	0.20	3.5	406
DEC												
16...	2.3	<1	298	247	42	74	74	23	7.3	0.35	3.8	433
JAN												
12...	2.1	<1	276	226	56	710	94	E21	17	0.24	6.5	1510
20...	3.5	<1	210	174	41	220	66	13	13	0.19	5.6	622
FEB												
09...	2.8	<1	215	178	40	95	64	15	12	0.22	6.1	420
24...	2.4	<1	303	251	53	150	77	15	12	0.21	3.0	555
MAR												
09...	2.2	48	161	215	42	140	71	13	16	0.15	5.0	526
24...	2.3	24	217	221	50	120	74	22	12	0.21	1.5	527
APR												
06...	2.5	<1	249	207	44	140	73	E6.6	14	0.21	1.9	500
16...	2.5	<1	212	176	40	130	67	E8.8	16	0.19	3.2	516
21...	2.0	<1	132	109	19	53	36	17	20	0.12	2.4	240
29...	2.3	<1	249	206	38	96	66	E7.0	9.1	0.23	3.5	440
MAY												
06...	3.3	<1	249	207	40	99	65	24	41	0.21	2.8	468
13...	3.7	<1	244	203	39	96	63	25	63	0.22	3.6	438
18...	3.1	24	261	257	39	96	76	19	26	0.24	7.1	464
26...	2.5	<1	232	192	31	84	63	11	22	0.19	6.0	419
JUN												
10...	2.6	<1	286	237	39	90	75	E5.6	12	0.26	7.8	434
12...	3.5	--	--	--	20	41	28	29	<3.0	0.16	3.2	232
23...	2.5	<1	266	221	38	84	65	<10	6.7	0.25	5.2	417
JUL												
01...	2.7	<1	234	194	34	75	60	<10	7.6	0.26	5.3	406
07...	2.7	24	190	198	35	81	61	<10	8.4	0.26	6.5	391
14...	2.4	<1	249	207	33	76	61	<10	8.9	0.26	5.4	367
20...	2.2	<1	76	63	15	29	25	E7.5	E2.5	<0.10	2.6	155
27...	2.7	<1	107	89	17	37	28	E7.0	<3.0	0.15	4.1	191
AUG												
04...	2.4	<1	242	201	36	73	63	<10	8.3	0.23	7.0	385
11...	2.1	24	193	201	40	78	60	E6.2	7.3	0.25	6.3	384
19...	3.0	<1	146	122	34	43	40	11	18	0.18	4.9	273
24...	2.9	<1	110	91	24	41	37	E7.8	5.2	0.22	4.2	224
SEP												
08...	2.6	<1	288	239	39	79	64	<10	8.1	0.29	6.7	397

393944084120700 HOLES CREEK AT HUFFMAN PARK NEAR KETTERING, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)
OCT												
20...	<0.01	0.54	<0.02	0.45	0.23	0.05	0.01	<0.01	3.8	0.8	11	--
NOV												
18...	<0.01	0.63	0.02	0.19	0.19	<0.05	0.01	0.01	2.8	0.3	10	--
DEC												
16...	0.02	0.88	0.03	0.15	0.13	<0.05	<0.05	0.01	2.3	0.2	14	--
JAN												
12...	0.02	1.4	0.19	0.79	0.71	0.03	0.02	0.01	--	--	13	--
20...	0.01	2.0	0.10	0.63	0.49	0.08	0.05	0.04	3.9	0.4	19	--
FEB												
09...	0.01	1.6	<0.02	0.48	0.33	0.08	0.03	0.03	3.8	1.0	39	--
24...	<0.01	1.2	<0.02	0.31	0.18	0.01	<0.004	<0.01	2.6	0.2	5	--
MAR												
09...	0.01	1.4	0.03	0.38	0.33	0.05	0.009	0.03	3.1	0.4	22	--
24...	<0.01	0.98	<0.02	0.31	0.18	0.02	0.004	<0.01	2.8	0.2	22	<0.002
APR												
06...	0.01	0.78	<0.02	0.36	0.26	0.02	0.006	<0.01	3.5	0.2	28	<0.002
16...	0.02	0.62	0.03	0.61	0.37	0.04	0.007	0.01	4.6	0.5	17	0.047
21...	0.01	0.61	0.13	4.4	0.65	1.11	0.03	0.02	5.1	>10	1660	0.028
29...	0.02	0.70	0.05	0.52	0.31	0.05	0.01	0.02	3.9	0.6	20	0.16
MAY												
06...	0.05	0.99	0.29	1.3	1.0	0.10	0.04	0.04	8.6	0.8	31	0.18
13...	0.12	1.2	0.38	1.2	1.0	0.11	0.05	0.03	7.2	0.6	6	0.13
18...	0.06	1.3	0.08	0.62	0.42	0.07	0.02	0.02	4.2	0.6	79	0.054
26...	0.02	1.0	0.04	0.37	0.32	0.04	0.02	0.02	3.3	0.6	51	0.087
JUN												
10...	0.02	1.2	0.03	0.33	0.25	0.02	0.01	0.02	2.2	0.3	31	<0.002
12...	<0.01	<0.05	<0.02	3.3	1.4	0.62	0.10	<0.01	9.8	>10	464	0.022
23...	<0.01	1.1	<0.02	0.22	0.20	0.02	0.006	<0.01	2.4	0.3	24	0.006
JUL												
01...	<0.01	0.83	0.02	0.32	0.28	0.03	0.01	0.02	4.0	0.5	30	0.010
07...	<0.01	0.99	<0.02	0.30	0.24	0.02	0.01	<0.01	3.0	0.2	30	<0.002
14...	<0.01	0.93	<0.02	0.24	0.22	0.02	0.01	0.01	2.9	0.4	10	<0.002
20...	0.02	0.58	0.08	0.84	0.53	0.20	0.05	0.03	5.8	2.9	129	<0.002
27...	0.02	0.56	0.07	1.1	0.43	0.21	0.02	0.01	5.6	3.5	160	0.005
AUG												
04...	<0.01	1.1	<0.02	0.25	0.13	0.02	0.01	<0.01	2.8	0.3	34	<0.002
11...	<0.01	1.2	<0.02	0.22	E.10	0.01	0.005	<0.01	1.9	0.3	24	<0.002
19...	0.02	1.4	0.23	2.0	1.0	0.27	0.05	0.04	9.8	--	326	<0.002
24...	0.03	0.95	0.16	1.4	0.67	0.26	0.03	0.03	6.9	3.7	283	<0.002
SEP												
08...	<0.01	1.2	<0.02	0.68	0.61	0.02	0.03	<0.01	2.4	0.8	23	<0.002

393944084120700 HOLES CREEK AT HUFFMAN PARK NEAR KETTERING, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)
OCT												
20...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
18...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
12...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
09...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
24...	<0.002	0.01	E0.005	<0.001	<0.002	<0.002	<0.003	<0.003	E0.002	<0.004	<0.002	<0.006
APR												
06...	<0.002	0.01	E0.004	<0.001	<0.002	<0.002	E0.010	<0.003	0.004	<0.004	<0.002	<0.006
16...	0.005	0.05	E0.012	<0.001	<0.002	<0.002	E0.021	<0.003	0.005	<0.004	<0.002	<0.006
21...	<0.002	0.03	E0.007	<0.001	0.006	<0.002	E0.01	<0.003	0.008	<0.004	<0.002	<0.006
29...	<0.002	0.18	E0.013	<0.001	<0.002	<0.002	e0.008	<0.003	0.009	0.014	<0.002	<0.006
MAY												
06...	0.01	0.22	E0.028	<0.001	<0.002	<0.002	E0.012	<0.003	<0.02	0.016	<0.002	<0.006
13...	<0.02	0.41	E0.052	<0.001	<0.002	<0.002	E0.045	<0.003	<0.02	0.029	<0.002	<0.006
18...	0.007	0.19	E0.038	<0.001	<0.002	<0.002	E0.15	<0.003	<0.004	0.013	<0.002	<0.006
26...	0.01	0.21	E0.056	<0.001	<0.002	<0.002	E0.053	<0.003	<0.004	<0.004	<0.002	<0.006
JUN												
10...	<0.002	0.05	E0.015	<0.001	<0.002	<0.002	<0.003	<0.003	<0.010	<0.004	<0.002	<0.006
12...	<0.002	0.14	E0.033	<0.001	<0.002	<0.002	E0.67	<0.003	0.057	<0.004	<0.002	<0.006
23...	<0.002	0.08	E0.010	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
JUL												
01...	<0.002	0.18	E0.020	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
07...	<0.002	0.07	E0.014	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
14...	<0.002	0.04	E0.008	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
20...	<0.002	0.03	E0.008	<0.001	<0.002	<0.002	E0.046	<0.003	0.014	<0.004	<0.002	<0.006
27...	<0.002	0.09	<0.02	<0.001	<0.002	<0.002	E0.040	<0.003	<0.010	<0.004	<0.002	<0.006
AUG												
04...	<0.002	0.02	E0.006	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
11...	<0.002	0.02	E0.004	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006
19...	<0.002	0.01	<0.002	<0.001	<0.002	<0.002	E0.054	<0.003	<0.004	<0.004	<0.002	<0.006
24...	<0.002	0.02	<0.002	<0.001	<0.002	<0.002	E0.079	<0.003	<0.004	<0.004	<0.002	<0.006
SEP												
08...	<0.002	0.02	<0.002	<0.001	<0.002	<0.002	<0.003	<0.003	<0.004	<0.004	<0.002	<0.006

393944084120700 HOLES CREEK AT HUFFMAN PARK NEAR KETTERING, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
OCT												
20...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
18...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
12...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
09...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
24...	E0.002	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
APR												
06...	0.014	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
16...	0.053	<0.001	<0.003	<0.017	0.008	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
21...	0.28	<0.001	<0.003	<0.017	<0.02	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
29...	0.032	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
MAY												
06...	0.071	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
13...	0.082	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	0.026
18...	0.022	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
26...	0.041	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
JUN												
10...	0.008	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
12...	0.56	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.02
23...	0.021	<0.001	<0.003	<0.017	0.004	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
JUL												
01...	0.099	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
07...	0.026	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
14...	0.017	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
20...	0.18	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	0.007
27...	0.31	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
AUG												
04...	0.030	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
11...	0.008	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
19...	0.091	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
24...	0.35	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005
SEP												
08...	0.009	<0.001	<0.003	<0.017	<0.002	<0.004	<0.003	<0.003	<0.002	<0.004	<0.002	<0.005

393944084120700 HOLES CREEK AT HUFFMAN PARK NEAR KETTERING, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
OCT											
20...	--	--	--	--	--	--	--	--	--	--	--
NOV											
18...	--	--	--	--	--	--	--	--	--	--	--
DEC											
16...	--	--	--	--	--	--	--	--	--	--	--
JAN											
12...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
FEB											
09...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
MAR											
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
24...	0.005	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.01	<0.005	<0.002	E0.005
APR											
06...	0.006	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	0.03	<0.005	<0.002	E0.008
16...	0.040	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	0.03	<0.005	<0.002	E0.008
21...	0.022	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	0.12	<0.005	<0.002	E0.006
29...	0.116	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	0.02	<0.005	<0.002	E0.011
MAY											
06...	0.108	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	0.03	<0.005	<0.002	E0.013
13...	0.102	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	0.03	<0.005	<0.002	E0.016
18...	0.065	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.015
26...	0.075	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.012
JUN											
10...	0.011	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.010
12...	0.028	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.04	<0.005	<0.002	0.021
23...	0.006	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.013
JUL											
01...	0.009	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.009
07...	<0.002	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
14...	<0.002	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.008
20...	0.006	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.02	<0.005	<0.002	0.032
27...	0.006	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.076
AUG											
04...	E0.004	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.020
11...	E0.004	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.011
19...	<0.002	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	<0.018
24...	<0.01	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	0.022
SEP											
08...	<0.002	<0.004	<0.004	<0.003	<0.004	<0.006	<0.004	<0.004	<0.005	<0.002	E0.008

393944084120700 HOLES CREEK AT HUFFMAN PARK NEAR KETTERING, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT											
20...	--	--	--	--	--	--	--	--	--	--	--
NOV											
18...	--	--	--	--	--	--	--	--	--	--	--
DEC											
16...	--	--	--	--	--	--	--	--	--	--	--
JAN											
12...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
FEB											
09...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
MAR											
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
24...	<0.003	<0.007	<0.004	<0.013	E0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
APR											
06...	<0.003	<0.007	<0.004	<0.013	E0.005	<0.01	<0.007	<0.013	<0.002	<0.001	E0.004
16...	<0.003	<0.007	<0.004	<0.013	0.013	<0.077	<0.007	<0.013	<0.002	<0.001	E0.006
21...	<0.003	<0.007	<0.004	<0.013	<0.01	<0.01	<0.007	<0.013	<0.002	<0.001	0.008
29...	<0.003	<0.007	<0.004	<0.013	0.021	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
MAY											
06...	<0.003	<0.007	<0.004	<0.013	0.030	<0.01	<0.007	<0.013	<0.002	<0.001	E0.004
13...	<0.003	<0.007	<0.004	<0.013	0.048	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
18...	<0.003	<0.007	<0.004	<0.013	0.022	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
26...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
JUN											
10...	<0.003	<0.007	<0.004	<0.013	<0.01	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
12...	<0.003	<0.007	<0.004	<0.013	0.012	<0.01	<0.007	<0.013	<0.002	<0.001	0.012
23...	<0.003	<0.007	<0.004	<0.013	0.021	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
JUL											
01...	<0.003	<0.007	<0.004	<0.013	0.091	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
07...	<0.003	<0.007	<0.004	<0.013	0.041	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
14...	<0.003	<0.007	<0.004	<0.013	0.022	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
20...	<0.003	<0.007	<0.004	<0.013	0.032	<0.01	<0.007	<0.013	<0.002	<0.001	E0.003
27...	<0.003	<0.007	<0.004	<0.013	0.052	<0.01	<0.007	<0.013	<0.002	<0.001	0.006
AUG											
04...	<0.003	<0.007	<0.004	<0.013	<0.01	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
11...	<0.003	<0.007	<0.004	<0.013	0.011	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
19...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
24...	<0.003	<0.007	<0.004	<0.013	<0.01	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002
SEP											
08...	<0.003	<0.007	<0.004	<0.013	<0.005	<0.01	<0.007	<0.013	<0.002	<0.001	<0.002

395457084095100 GREAT MIAMI RIVER AT ROSS ROAD NEAR VANDALIA, OHIO

LOCATION.--Latitude 39°54′57", longitude 84°09′51", Montgomery and Miami Counties, Hydrologic Unit 05080001, at mile 95.7.
DRAINAGE AREA.--1142 mi^2.
REMARKS.--Discharge measurements are not made at this site. Streamflow is measured by the Miami Conservancy District 4.8 miles downstream at Great Miami River at Taylorsville, Ohio (03263000).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	E. COLI WATER WHOLE TOTAL UREASE (COL/ 100 ML) (31633)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT											
19...	1400	730	8.3	15	15.0	746	9.6	98	--	30	33
NOV											
17...	1330	772	8.4	10	9.5	744	9.3	83	K28	32	34
DEC											
16...	1440	776	8.5	5	4.0	742	15.8	123	180	32	36
JAN											
12...	1130	855	8.0	6	0.0	739	13.7	96	390	33	40
20...	1320	280	7.8	9	1.0	742	14.1	101	1300	16	16
FEB											
08...	1200	388	8.0	5	3.5	743	13.1	103	2200	15	8
25...	0900	711	8.1	1	3.0	743	12.9	98	800	28	18
MAR											
10...	0920	548	8.1	-4	1.5	747	13.4	96	--	22	14
25...	0830	658	8.2	0	6.0	748	--	--	--	28	17
APR											
06...	0920	670	8.0	20	15.0	737	8.8	90	--	30	22
20...	1620	535	7.9	16	12.0	740	12.1	112	--	24	12
MAY											
05...	1530	639	8.3	26	19.0	734	11.3	126	K16	28	16
18...	1100	741	8.0	20	20.5	740	7.9	90	100	31	24
JUN											
17...	1030	743	8.2	18	20.5	746	8.4	95	--	27	22
JUL											
02...	0930	575	7.8	24	23.0	741	6.7	80	1800	24	24
13...	0940	653	8.1	21	23.5	745	7.2	85	90	27	27
AUG											
11...	1420	690	8.3	28	25.5	738	11.1	140	K83	25	31
SEP											
08...	1020	774	8.2	22	22.5	738	7.7	92	82	31	40

395457084095100 GREAT MIAMI RIVER AT ROSS ROAD NEAR VANDALIA, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT											
19...	4.6	7	273	239	66	50	72	E8	5	2.6	452
NOV											
17...	3.6	<1	327	271	73	56	80	28	6	1.2	480
DEC											
16...	4.0	17	276	257	74	59	83	22	7	1.6	487
JAN											
12...	5.5	<1	351	288	72	66	90	20	12	5.1	522
20...	3.7	<1	159	132	34	37	46	28	8	4.5	275
FEB											
08...	4.0	<1	112	93	29	20	42	33	E2	6.0	231
25...	2.5	<1	286	237	60	38	76	E6	12	5.8	414
MAR											
10...	2.5	<1	215	178	46	30	62	E8	5	5.9	341
25...	2.5	<1	264	219	13	18	74	E8	6	3.2	389
APR											
06...	2.6	24	210	215	61	40	72	16	4	2.8	395
20...	2.3	<1	205	170	45	28	68	E7	4	4.8	351
MAY											
05...	2.5	<1	266	221	54	34	71	E10	4	1.9	389
18...	3.2	<1	283	235	62	41	74	11	5	1.2	415
JUN											
17...	3.5	<1	278	231	51	38	71	E5	4	8.1	433
JUL											
02...	3.5	<1	215	178	49	38	49	<10	<3	4.1	338
13...	3.7	12	226	208	55	44	65	<10	3	7.3	386
AUG											
11...	4.7	14	205	194	60	48	69	E6	E2	8.0	404
SEP											
08...	5.1	7	237	239	71	67	70	<10	3	4.1	452

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
19...	0.01	2.1	<0.02	0.5	0.4	0.35	0.36	0.33	3.6	0.4	5
NOV											
17...	0.01	1.3	0.02	0.4	0.3	0.23	0.21	0.20	3.1	0.4	2
DEC											
16...	0.04	1.8	0.02	0.6	0.1	0.32	0.26	0.24	3.1	1.5	2
JAN											
12...	0.03	3.3	0.12	0.5	0.4	0.32	0.30	0.26	--	--	1
20...	0.03	4.8	0.19	1.1	0.8	0.30	0.19	0.16	6.5	--	67
FEB											
08...	0.02	6.4	0.09	1.8	0.7	0.51	0.18	0.19	6.3	5.8	206
25...	0.03	4.1	0.05	0.4	0.3	0.14	0.10	0.10	2.7	0.5	5
MAR											
10...	0.02	4.8	0.02	0.7	0.4	0.14	0.07	0.08	3.7	0.6	29
25...	0.04	3.9	<0.02	0.4	0.3	0.11	0.06	0.05	3.0	0.4	10
APR											
06...	0.04	2.5	<0.02	1.0	0.3	0.13	0.05	0.03	3.7	1.1	15
20...	0.03	6.7	<0.02	2.3	0.4	0.14	0.05	0.04	4.8	1.4	32
MAY											
05...	0.03	4.0	0.05	0.8	0.4	0.11	0.06	0.06	3.7	1.4	19
18...	0.04	2.8	<0.02	0.7	0.4	0.16	0.11	0.09	3.6	1.2	28
JUN											
17...	0.03	4.7	<0.02	1.1	0.5	0.25	0.15	0.12	4.6	2.3	22
JUL											
02...	0.02	0.69	<0.02	1.5	0.3	0.35	0.08	0.05	3.9	>5.0	93
13...	0.01	1.4	<0.02	0.8	1.0	0.28	0.18	0.15	4.1	1.7	29
AUG											
11...	<0.01	2.2	<0.02	1.0	0.4	0.34	0.25	0.26	5.5	1.6	31
SEP											
08...	0.02	1.2	<0.02	0.8	0.4	0.44	0.36	0.34	4.0	1.2	17

395355084173600 STILLWATER RIVER AT MARTINDALE ROAD NEAR UNION, OHIO

LOCATION.--Latitude 39°53′55", longitude 84°17′36", Montgomery County, Hydrologic Unit 05080001, at mile 11.4.
DRAINAGE AREA.--645.7 mi^2.
REMARKS.--Discharge is not measured at this site. Discharge is measured by the Miami Conservancy District 2.5 miles downstream at Stillwater River at Englewood, Ohio (03266000).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[--, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.]

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	E. COLI WATER WHOLE TOTAL UREASE (COL/100 ML) (31633)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
OCT											
20...	1330	669	8.2	16	13.5	747	10.6	105	--	31	21
NOV											
17...	0915	730	8.2	6	6.5	748	10.1	84	87	33	23
DEC											
16...	1200	740	8.3	5	3.5	742	12.7	98	48	34	24
JAN											
12...	1400	836	7.7	6	0.0	738	13.7	96	330	36	33
20...	1530	432	7.8	12	0.5	740	17.3	122	K800	16	11
FEB											
08...	1420	360	7.8	9	4.0	742	12.3	97	1500	14	6.4
24...	1530	685	8.2	3	2.5	747	13.4	100	--	30	15
MAR											
16...	1030	675	8.2	6	4.0	742	12.7	100	--	30	17
APR											
13...	1200	615	8.6	18	13.0	750	14.9	143	67	29	15
MAY											
14...	1250	694	8.2	19	17.5	745	8.8	94	77	32	16
JUN											
09...	1330	579	8.6	26	27.5	742	14.1	184	51	29	17
14...	1120	526	7.6	22	22.5	738	6.9	83	1500	21	12
JUL											
14...	1320	658	8.6	29	26.0	750	11.7	147	K36	30	19
AUG											
12...	1240	594	8.4	29	25.0	749	13.0	160	K92	29	23
SEP											
16...	1240	685	8.1	19	18.5	742	8.3	91	--	34	29

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT											
20...	3.7	<1	288	239	55	36	70	<10	E3	3.1	407
NOV											
17...	3.5	48	220	263	66	43	78	12	4	1.9	445
DEC											
16...	3.0	48	215	259	64	46	81	14	4	2.5	447
JAN											
12...	2.9	<1	381	312	69	62	91	13	E4	6.1	520
20...	3.6	<1	132	109	28	29	47	27	6	5.2	256
FEB											
08...	3.7	<1	115	95	23	19	40	41	E2	6.2	216
24...	1.8	<1	298	247	55	35	79	E7	11	6.3	422
MAR											
16...	1.8	<1	298	247	50	36	77	11	10	4.2	415
APR											
13...	1.7	<1	243	199	46	34	65	15	E3	0.2	371
MAY											
14...	2.2	<1	301	247	58	34	75	E9	E2	1.3	414
JUN											
09...	2.6	<1	215	176	49	36	50	<10	<3	0.4	343
14...	3.7	<1	171	142	37	24	54	E6	<3	8.0	339
JUL											
14...	2.8	<1	276	226	44	38	70	<10	E2	7.7	386
AUG											
12...	3.6	<1	204	167	50	40	44	E7	E2	0.3	319
SEP											
16...	3.8	<1	234	192	54	52	53	<10	6	3.5	384

395355084173600 STILLWATER RIVER AT MARTINDALE ROAD NEAR UNION, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999—Continued

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DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
20...	0.02	1.7	0.10	0.5	0.4	0.16	0.16	0.14	3.2	0.40	8
NOV											
17...	0.02	1.4	0.08	0.4	0.4	0.14	0.12	0.11	--	0.40	7
DEC											
16...	0.04	1.7	0.16	0.5	0.3	0.15	0.14	0.13	2.7	0.40	7
JAN											
12...	0.03	3.3	0.46	0.9	0.7	0.19	0.16	0.14	--	--	4
20...	0.03	7.3	0.23	1.2	0.9	0.32	0.20	0.17	6.0	1.0	45
FEB											
08...	0.03	8.7	0.09	2.1	0.8	0.63	0.22	0.23	6.5	4.5	273
24...	0.02	5.5	0.05	0.4	0.3	0.08	0.06	0.06	2.3	0.2	6
MAR											
16...	0.02	5.2	0.04	0.4	0.3	0.06	0.05	0.04	2.6	0.2	4
APR											
13...	0.03	4.8	0.03	1.0	0.3	0.08	0.008	0.01	3.2	3.8	20
MAY											
14...	0.04	3.4	0.05	0.7	0.4	0.12	0.07	0.06	3.6	0.7	36
JUN											
09...	0.02	3.5	<0.02	1.4	0.6	0.14	0.02	0.01	3.5	4.6	26
14...	<0.01	8.7	<0.02	1.6	1.3	0.33	0.19	0.01	5.9	3.2	117
JUL											
14...	0.06	1.5	<0.02	1.0	0.4	0.20	0.10	0.08	4.2	3.9	25
AUG											
12...	<0.01	<0.05	<0.02	0.7	0.4	0.20	0.04	0.02	4.3	>5.0	--
SEP											
16...	0.04	1.3	0.11	0.7	0.5	0.21	0.17	0.14	3.9	1.2	--

03275000 WHITEWATER RIVER NEAR ALPINE, INDIANA--Continued

National Water-Quality Assessment Program, Great Miami and Little Miami River Basins Study Unit

WATER-QUALITY RECORDS

The data described in the following table were collected and analyzed as part of the NAWQA (National Water Quality Assessment Program) project in the Great Miami and Little Miami River Basins. The objectives of the NAWQA program are to broadly characterize the water quality of the Nation's streams and aquifers in relation to human and natural factors. The period of high-intensity data collection for the Great Miami and Little Miami River Basins project is in water years 1999-2001.

There are seven additional stream sites which data are being reported in the 1999 Ohio annual data report as part of this NAWQA study: Stillwater River at Martindale Rd. near Union, OH (395355084173600), Great Miami River near Vandalia, OH (395457084095100), Mad River at St. Paris Pike near Springfield, OH (03267900), Holes Creek at Huffman Park near Kettering, OH (393944084120700), Great Miami River at Hamilton, OH (03274000), Little Miami River at Milford, OH (03245500), and East Fork Little Miami River near Williamsburg,OH (03246400).
These data also can be obtained electronically at http://oh.water.usgs.gov/miam.html.

---, no data; <, concentration or value reported is less than that indicated; E, estimated value; K, value is estimated from a non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT												
21...	1020	668	8.0	10.0	12.0	747	9.6	92	--	320	77	30
NOV												
19...	1415	671	8.4	17.0	10.5	746	13.6	124	K90	320	79	30
DEC												
15...	1310	747	8.4	17.0	3.0	757	16.5	124	230	330	83	31
JAN												
19...	1350	342	8.0	5.0	0.5	750	12.8	90	510	140	36	13
FEB												
09...	1310	471	8.0	12.0	7.0	749	11.2	94	330	230	58	20
23...	1220	635	8.1	0.5	3.5	755	11.9	91	38	330	83	30
MAR												
11...	1230	601	8.2	-2.0	3.5	757	12.3	94	K7	290	74	27
APR												
15...	1130	664	8.1	11.0	10.0	735	10.9	101	58	310	75	29
21...	1400	493	8.1	22.0	14.0	741	9.6	96	>8000	250	61	23
MAY												
11...	1240	628	8.2	29.0	18.0	745	12.9	140	22	290	70	28
JUN												
07...	1250	650	8.2	32.0	24.5	745	10.4	128	78	310	76	28
JUL												
12...	1310	651	8.2	27.0	22.5	750	11.6	136	K73	300	73	29
AUG												
10...	1200	677	7.8	26.0	22.0	749	9.7	114	56	280	65	27
SEP												
14...	1230	719	7.9	20.0	19.0	743	10.7	119	71	300	71	30

GREAT MIAMI RIVER BASON

03275000 WHITEWATER RIVER NEAR ALPINE, INDIANA--Continued

National Water-Quality Assessment Program, Great Miami and Little Miami River Basins Study Unit

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT												
21...	19	2.5	332	<1	275	36	33	0.2	4.5	403	0.03	2.8
NOV												
19...	17	2.4	323	<1	265	39	31	0.2	3.1	393	0.02	2.3
DEC												
15...	18	2.2	339	<1	278	37	32	0.3	5.4	406	0.03	2.5
JAN												
19...	8.3	3.5	129	<1	106	19	22	0.2	4.5	206	0.02	4.0
FEB												
09...	6.4	2.6	212	<1	174	27	17	0.2	7.0	284	<0.01	5.0
23...	11	1.9	327	<1	268	36	23	0.2	7.6	388	0.04	4.3
MAR												
11...	9.7	1.7	295	<1	242	33	23	0.2	6.2	372	0.02	4.0
APR												
15...	13	2.0	289	<1	237	36	26	0.2	2.0	381	0.02	2.9
21...	7.0	2.2	220	<1	180	27	18	0.2	3.7	301	0.02	3.6
MAY												
11...	11	1.9	305	<1	250	35	24	0.2	2.2	362	0.03	3.0
JUN												
07...	13	2.0	305	<1	250	36	27	0.2	7.1	389	0.04	3.3
JUL												
12...	13	2.2	286	<1	234	33	27	0.2	4.2	351	0.02	2.3
AUG												
10...	20	2.5	288	<1	236	40	38	0.2	4.7	377	0.02	2.3
SEP												
14...	27	3.0	278	<1	228	42	47	0.3	4.3	403	0.02	2.5

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT											
21...	<0.02	0.26	0.16	0.05	0.04	0.04	E7.6	8.5	1.6	0.3	6
NOV											
19...	0.03	0.18	0.17	0.03	0.02	0.01	E9.7	7.6	1.4	0.5	10
DEC											
15...	0.05	0.33	0.11	0.02	0.03	0.03	E8.9	7.4	1.3	0.5	8
JAN											
19...	0.19	1.0	0.55	0.31	0.16	0.27	20	3.9	4.5	1.9	110
FEB											
09...	0.03	0.80	0.29	0.20	0.08	0.07	13	4.8	3.6	1.4	111
23...	<0.02	0.15	0.16	0.04	0.04	0.03	<10	11	1.2	0.3	13
MAR											
11...	0.02	0.20	0.17	0.04	0.03	0.04	<10	9.6	2.0	0.3	33
APR											
15...	<0.02	0.33	0.13	0.04	0.01	0.02	E8.1	11	1.9	0.8	59
21...	0.11	2.1	0.43	0.51	0.05	0.04	15	11	3.9	8.7	340
MAY											
11...	0.04	0.27	0.21	0.02	0.01	0.01	E9.2	7.7	1.9	0.4	37
JUN											
07...	<0.02	0.28	0.33	0.05	0.03	0.04	E5.4	7.8	2.6	0.7	26
JUL											
12...	<0.02	0.28	0.19	0.05	0.03	0.03	<10	8.7	2.4	0.7	15
AUG											
10...	<0.02	0.24	0.17	0.07	0.06	0.04	<10	9.9	2.0	--	--
SEP											
14...	<0.02	0.22	0.19	0.08	0.06	0.04	E7.9	10	2.0	0.6	--