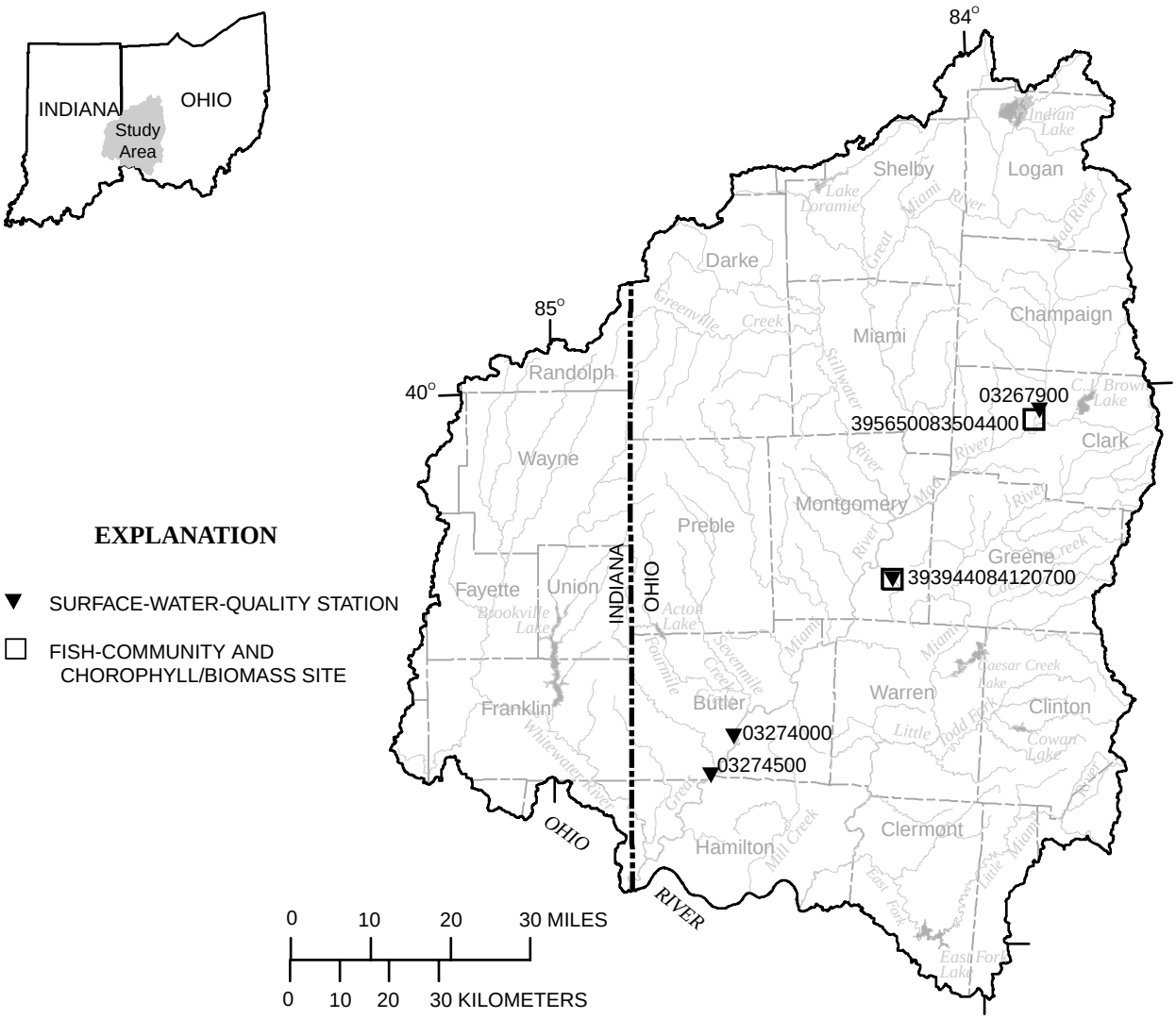
PROJECT DATA

Results from Selected Sites in the Great Miami and Little Miami River Basin (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. 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 was in water years 1999-2001.

Data for four stream sites in Ohio are being reported in this publication as part of the NAWQA study: Mad River at St. Paris Pike near Springfield, Ohio (03267900), Great Miami River at Hamilton, Ohio (03274000), Great Miami River at Venice, Ohio (03274500), Holes Creek at Huffman Park near Kettering, Ohio (393944084120700).

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



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.—Twelve discharge measurements were made at this site. 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 2000 TO SEPTEMBER 2001

[(00061), USGS National Water Information System parameter code; mm of Hg, millimeters of mercury; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter; deg C, degrees Celsius; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	DIS-SOLVED OXYGEN (MG/L)) (00300)	DIS-SOLVED OXYGEN (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	PH WATER LAB (STAND-ARD UNITS) (00403)	SPEC-IFIC CON-DUCT ANCE LAB (US/CM) (90095)	SPEC-IFIC CON-DUCT-ANCE FIELD (US/CM) (00095)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE, WATER (DEG C) (00010)	HARD-NESS, TOTAL (MG/L AS CACO3) (00900)
OCT												
18...	1030	197	745	10.3	98	8.0	7.9	741	746	16	12.0	366
NOV												
28...	1300	176	738	15.8	136	8.6	8.2	743	715	7	8.0	392
DEC												
12...	1320	576	751	13.6	102	7.4	8.2	596	573	-4	3.0	272
JAN												
24...	1000	178	740	---	---	8.0	8.0	763	756	-1	4.0	379
FEB												
22...	1100	253	740	12.5	97	8.0	8.1	745	720	-5	3.5	392
MAR												
21...	0930	237	739	11.5	100	8.2	8.2	742	719	9	8.0	365
APR												
25...	1035	300	741	10.9	100	8.2	8.2	738	710	18	10.0	380
MAY												
15...	1000	346	736	9.0	90	8.0	8.0	683	656	14	13.5	343
JUN												
12...	1100	294	732	9.5	101	8.2	8.2	716	728	29	16.5	376
JUL												
25...	1100	215	739	9.5	107	7.8	8.2	719	730	27	19.5	370
AUG												
14...	1230	189	738	9.5	103	8.1	8.2	713	717	19	17.5	358
SEP												
19...	1200	189	732	---	---	8.0	8.2	721	718	19	16.0	360

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(00915), USGS National Water Information System parameter code; mg/L, milligrams per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	CALCIUM, DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY, WATER, DIS-SOLVED FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE, WATER, DIS-SOLVED FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS-SOLVED FIELD (MG/L AS CO3) (00452)	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)	SULFATE, DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)
OCT												
18...	92	33	2.2	8.6	287	345	<1	20	0.3	8.4	69	449
NOV												
28...	98	36	2.2	9.5	293	333	10	22	0.3	8.1	68	454
DEC												
12...	68	25	4.9	9.0	205	246	<1	26	0.2	6.7	46	350
JAN												
24...	94	35	2.1	11	292	351	<1	23	0.3	6.0	68	434
FEB												
22...	99	35	1.8	9.4	289	350	<1	22	0.3	6.5	67	449
MAR												
21...	89	34	2.0	10	278	334	<1	23	0.3	3.5	63	417
APR												
25...	95	35	1.9	9.1	285	347	<1	23	0.2	5.4	65	443
MAY												
15...	85	32	2.2	9.7	253	305	<1	22	0.3	6.3	57	393
JUN												
12...	93	35	2.1	8.8	285	336	3	20	0.3	7.3	65	422
JUL												
25...	91	35	2.3	11	276	331	3	24	0.3	8.2	62	454
AUG												
14...	87	34	2.0	10	275	329	3	24	0.3	7.3	63	391
SEP												
19...	88	33	2.3	10	270	325	2	25	0.2	8.4	64	416

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(00608), USGS National Water Information System parameter code; mg/L, milligrams per liter; col/100mL, colonies per 100 milliliters; deg C, degrees Celsius; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value; M, presence verified but not quantified; K, value estimated from non-ideal colony count .]

DATE	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC, DIS-SOLVED (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC, TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2 + NO3, DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	E. COLI, WATER TOTAL (COL/ 100 ML) (31633)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	2,6-DI-ETHYL ANILINE, WATER, FLTRD (UG/L) (82660)
OCT												
18...	<0.04	0.2	0.2	3.7	0.01	0.07	0.06	0.09	---	10	9	<0.002
NOV												
28...	<0.04	0.2	0.2	3.7	0.01	0.06	0.06	0.07	52	<10	7	<0.002
DEC												
12...	0.05	0.8	1.3	4.9	0.05	0.10	E0.01	0.32	6400	10	8	<0.002
JAN												
24...	<0.04	0.2	0.2	3.8	0.01	0.01	E0.02	0.02	280	10	18	<0.002
FEB												
22...	<0.04	0.1	0.2	4.1	0.01	0.02	E0.01	0.03	K22	M	22	<0.002
MAR												
21...	<0.04	0.2	0.2	4.1	0.03	0.02	E0.02	0.03	K30	110	11	<0.002
APR												
25...	<0.04	0.2	0.3	3.8	0.04	0.02	<0.02	0.03	K84	10	15	<0.002
MAY												
15...	E0.03	0.3	0.8	3.3	0.02	0.05	0.05	0.15	850	10	7	<0.002
JUN												
12...	<0.04	0.1	0.2	4.0	0.01	0.04	0.03	0.05	190	M	8	<0.002
JUL												
25...	<0.04	0.2	0.3	4.1	0.01	0.06	0.05	0.07	---	M	7	<0.002
AUG												
14...	<0.04	0.2	0.2	3.8	0.01	0.03	0.03	0.05	130	M	13	<0.002
SEP												
19...	<0.04	0.1	0.2	3.7	0.01	0.06	0.04	0.06	280	10	9	<0.002

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(49260), USGS National Water Information System parameter code; deg C, degrees Celsius; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	ACETO-CHLOR, WATER, FLTRD (UG/L) (49260)	ALA-CHLOR, WATER, FLTRD (UG/L) (46342)	ALPHA BHC, WATER, FLTRD (UG/L) (34253)	ATRA-ZINE, WATER, FLTRD (UG/L) (39632)	BEN-FLUR-ALIN, WATER, FLTRD (UG/L) (82673)	BUTYL-ATE, WATER, FLTRD (UG/L) (04028)	CAR-BARYL, WATER, FLTRD (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD (UG/L) (82674)	CHLOR-PYRIFOS, WATER, FLTRD (UG/L) (38933)	CYANA-ZINE, WATER, FLTRD (UG/L) (04041)	DCPA, WATER, FLTRD (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, FLTRD (UG/L) (04040)
OCT												
18...	<0.004	<0.002	<0.005	0.014	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.008
NOV												
28...	<0.004	<0.002	<0.005	0.008	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.009
DEC												
12...	<0.004	<0.002	<0.005	0.074	<0.010	<0.002	<0.041	<0.020	<0.005	E0.016	<0.003	E0.075
JAN												
24...	<0.004	<0.002	<0.005	0.008	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.007
FEB												
22...	<0.004	<0.002	<0.005	0.012	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.009
MAR												
21...	<0.004	<0.002	<0.005	0.016	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.012
APR												
25...	0.007	<0.002	<0.005	0.10	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.017
MAY												
15...	0.032	<0.002	<0.005	0.22	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.034
JUN												
12...	0.006	<0.002	<0.005	0.16	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.027
JUL												
25...	<0.004	<0.002	<0.005	0.045	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.012
AUG												
14...	<0.004	<0.002	<0.005	E0.02	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.006
SEP												
19...	<0.004	<0.002	<0.005	0.018	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.006

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(39572), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	DI-AZINON, WATER, FLTRD (UG/L) (39572)	DI-ELRIN, WATER, FLTRD (UG/L) (39381)	DISUL-FOTON, WATER, FLTRD (UG/L) (82677)	EPTC, WATER, FLTRD (UG/L) (82668)	ETHAL-FLUR-ALIN, WATER, FLTRD (UG/L) (82663)	ETHO-PROP, WATER, FLTRD (UG/L) (82672)	FONOFOS, WATER, FLTRD (UG/L) (04095)	LINDANE, WATER, FLTRD (UG/L) (39341)	LIN-URON, WATER, FLTRD (UG/L) (82666)	MALA-THION, WATER, FLTRD (UG/L) (39532)	METHYL-AZIN-PHOS, WATER, FLTRD (UG/L) (82686)	METHYL PARA-THION, WATER, FLTRD (UG/L) (82667)
OCT												
18...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
NOV												
28...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
DEC												
12...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
JAN												
24...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
FEB												
22...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
MAR												
21...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	0.005	<0.035	<0.027	<0.050	<0.006
APR												
25...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
MAY												
15...	E0.003	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
JUN												
12...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
JUL												
25...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
AUG												
14...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
SEP												
19...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(39415), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	METO-LACHLOR, WATER, FLTRD (UG/L) (39415)	METRI-BUZIN, WATER, FLTRD (UG/L) (82630)	MOL-INATE, WATER, FLTRD (UG/L) (82671)	NAPROP-AMIDE, WATER, FLTRD (UG/L) (82684)	P,P' DDE, WATER, FLTRD (UG/L) (34653)	PARA-THION, WATER, FLTRD (UG/L) (39542)	PEB-ULATE, WATER, FLTRD (UG/L) (82669)	PENDI-METH-ALIN, WATER, FLTRD (UG/L) (82683)	CIS-PER-METHRIN, WATER, FLTRD (UG/L) (82687)	PHORATE, WATER, FLTRD (UG/L) (82664)	PRO-METON, WATER, FLTRD (UG/L) (04037)	PRON-AMIDE, WATER, FLTRD (UG/L) (82676)
OCT												
18...	E0.008	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.002	<0.004
NOV												
28...	E0.002	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	<0.015	<0.004
DEC												
12...	0.096	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.002	<0.004
JAN												
24...	E0.002	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	<0.015	<0.004
FEB												
22...	E0.003	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	<0.015	<0.004
MAR												
21...	E0.007	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	<0.015	<0.004
APR												
25...	0.029	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	<0.015	<0.004
MAY												
15...	0.12	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.003	<0.004
JUN												
12...	0.043	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	<0.015	<0.004
JUL												
25...	0.014	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	<0.015	<0.004
AUG												
14...	E0.005	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	<0.015	<0.004
SEP												
19...	E0.008	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.010	<0.004

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(04024), USGS National Water Information System parameter code; mg/L, milligrams per liter; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	PROP-ACHLOR, WATER, FLTRD (UG/L) (04024)	PRO-PANIL, WATER, FLTRD (UG/L) (82679)	PRO-PARGITE, WATER, FLTRD (UG/L) (82685)	SI-MAZINE, WATER, FLTRD (UG/L) (04035)	TEBU-THI-URON, WATER, FLTRD (UG/L) (82670)	TER-BACIL, WATER, FLTRD (UG/L) (82665)	TER-BUFOS, WATER, FLTRD (UG/L) (82675)	THIO-BENCARB, WATER, FLTRD (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD (UG/L) (82678)	TRI-FLUR-ALIN, WATER, FLTRD (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT											
18...	<0.010	<0.011	<0.023	<0.011	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	16
NOV											
28...	<0.010	<0.011	<0.023	<0.011	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	148
EC											
12...	<0.010	<0.011	<0.023	E0.007	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	89
JAN											
24...	<0.010	<0.011	<0.023	<0.011	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	7
FEB											
22...	<0.010	<0.011	<0.023	<0.011	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	4
MAR											
21...	<0.010	<0.011	<0.023	<0.011	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	135
APR											
25...	<0.010	<0.011	<0.023	0.039	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	23
MAY											
15...	<0.010	<0.011	<0.023	0.062	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	60
JUN											
12...	<0.010	<0.011	<0.023	0.018	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	39
JUL											
25...	<0.010	<0.011	<0.023	E0.005	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	63
AUG											
14...	<0.010	<0.011	<0.023	<0.011	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	15
SEP											
19...	<0.010	<0.011	<0.023	E0.003	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	9

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 in volume 1 of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(00061), USGS National Water Information System parameter code; mm of Hg, millimeters of mercury; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter; deg C, degrees Celsius; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	DIS-SOLVED OXYGEN (MG/L)) (00300)	DIS-SOLVED OXYGEN (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	PH WATER LAB (STAND-ARD UNITS) (00403)	SPEC-IFIC CON-DUCT ANCE LAB (US/CM) (90095)	SPEC-IFIC CON-DUCT-ANCE FIELD (US/CM) (00095)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE, WATER (DEG C) (00010)	HARD-NESS, TOTAL (MG/L AS CACO3) (00900)
JAN												
25...	1130	1340	758	13.2	100	8.3	8.1	903	865	-3	4.0	342
FEB												
21...	1100	3040	758	12.5	100	8.1	8.0	751	744	0	5.5	329
MAR												
20...	1130	2650	749	12.8	110	8.6	8.3	819	782	15	8.5	334
MAY												
17...	1150	6560	738	8.5	99	8.2	7.9	791	771	28	21.5	316
JUN												
13...	0900	6520	743	8.0	98	8.3	7.9	682	665	29	24.0	275
JUL												
26...	1130	1840	750	7.9	104	8.0	8.5	741	758	---	28.5	294
AUG												
15...	1100	1280	746	9.0	115	8.7	8.2	770	764	24	26.5	280
SEP												
18...	1100	1430	745	---	---	8.3	8.3	773	771	20	20.0	322

DATE	CALCIUM, DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY, WATER, DIS-SOLVED FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE, WATER, DIS-SOLVED FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS-SOLVED FIELD (MG/L AS CO3) (00452)	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)	SULFATE, DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)
JAN												
25...	85	32	4.0	48	243	293	<1	85	0.4	3.7	67	524
FEB												
21...	83	30	3.1	30	231	278	<1	61	0.3	5.9	57	450
MAR												
20...	81	32	3.1	35	246	272	12	69	0.4	1.1	61	463
MAY												
17...	76	31	3.6	37	234	285	<1	63	0.4	3.4	58	437
JUN												
13...	65	27	3.2	27	200	235	3	51	0.3	3.7	53	400
JUL												
26...	69	30	4.0	42	221	256	7	67	0.4	3.8	64	458
AUG												
15...	67	28	4.1	44	213	244	7	75	0.4	3.4	59	446
SEP												
18...	78	31	4.1	40	237	284	2	67	0.4	7.8	57	420

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(00608), USGS National Water Information System parameter code; mg/L, milligrams per liter; col/100mL, colonies per 100 milliliters; deg C, degrees Celsius; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC, DISSOLVED (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N) (00625)	NITROGEN, NO2 + NO3, DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	E. COLI, WATER TOTAL (COL/100 ML) (31633)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	2,6-DIETHYL ANILINE, WATER, FLTRD (UG/L) (82660)
JAN												
25...	<0.04	0.4	0.5	4.6	0.03	0.18	0.16	0.17	120	53	11	<0.002
FEB												
21...	E0.04	0.4	0.6	6.2	0.03	0.12	0.11	0.17	260	39	10	<0.002
MAR												
20...	<0.04	0.4	0.5	4.1	0.03	0.09	0.07	0.10	70	27	10	<0.002
MAY												
17...	<0.04	0.5	1.3	2.7	0.03	0.18	<0.02	0.43	1300	E7	<3	<0.002
JUN												
13...	<0.04	0.3	1.8	3.7	0.02	0.07	0.06	0.45	8000	<10	<3	<0.002
JUL												
26...	<0.04	0.3	1.1	2.2	0.02	0.08	0.06	0.23	---	<10	E2	<0.002
AUG												
15...	E0.02	0.4	1.0	1.6	0.02	0.13	0.10	0.27	390	<10	<3	<0.002
SEP												
18...	<0.04	0.5	0.8	3.1	0.02	0.19	0.16	0.26	2400	<10	<3	<0.002

DATE	ACETOCHLOR, WATER, FLTRD (UG/L) (49260)	ALACHLOR, WATER, FLTRD (UG/L) (46342)	ALPHA BHC, WATER, FLTRD (UG/L) (34253)	ATRAZINE, WATER, FLTRD (UG/L) (39632)	BENFLURALIN, WATER, FLTRD (UG/L) (82673)	BUTYLATE, WATER, FLTRD (UG/L) (04028)	CARBARYL, WATER, FLTRD (UG/L) (82680)	CARBOFURAN, WATER, FLTRD (UG/L) (82674)	CHLORPYRIFOS, WATER, FLTRD (UG/L) (38933)	CYANAZINE, WATER, FLTRD (UG/L) (04041)	DCPA, WATER, FLTRD (UG/L) (82682)	DEETHYL ATRAZINE, WATER, FLTRD (UG/L) (04040)
JAN												
25...	<0.004	<0.002	<0.005	0.08	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.044
FEB												
21...	<0.006	E0.004	<0.005	0.092	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.052
MAR												
20...	E0.004	<0.002	<0.005	0.068	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.038
MAY												
17...	0.061	0.006	<0.005	0.69	<0.010	<0.002	E0.006	<0.020	<0.005	E0.005	<0.003	E0.064
JUN												
13...	0.060	<0.002	<0.005	0.93	<0.010	<0.002	E0.008	<0.020	<0.005	<0.018	<0.003	E0.18
JUL												
26...	0.011	<0.002	<0.005	0.32	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.049
AUG												
15...	<0.004	<0.002	<0.005	0.23	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.043
SEP												
18...	<0.010	<0.002	<0.005	0.25	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.068

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(39572), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	DI-AZINON, WATER, FLTRD (UG/L) (39572)	DI-ELRIN, WATER, FLTRD (UG/L) (39381)	DISUL-FOTON, WATER, FLTRD (UG/L) (82677)	EPTC, WATER, FLTRD (UG/L) (82668)	ETHAL-FLUR-ALIN, WATER, FLTRD (UG/L) (82663)	ETHO-PROP, WATER, FLTRD (UG/L) (82672)	FONOFOS, WATER, FLTRD (UG/L) (04095)	LINDANE, WATER, FLTRD (UG/L) (39341)	LIN-URON, WATER, FLTRD (UG/L) (82666)	MALA-THION, WATER, FLTRD (UG/L) (39532)	METHYL-AZIN-PHOS, WATER, FLTRD (UG/L) (82686)	METHYL PARA-THION, WATER, FLTRD (UG/L) (82667)
JAN												
25...	0.007	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
FEB												
21...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
MAR												
20...	<0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
MAY												
17...	0.012	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
JUN												
13...	0.033	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
JUL												
26...	0.013	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
AUG												
15...	0.02	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
SEP												
18...	0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006

DATE	METO-LACHLOR, WATER, FLTRD (UG/L) (39415)	METRI-BUZIN, WATER, FLTRD (UG/L) (82630)	MOL-INATE, WATER, FLTRD (UG/L) (82671)	NAPROP-AMIDE, WATER, FLTRD (UG/L) (82684)	P,P' DDE, WATER, FLTRD (UG/L) (34653)	PARA-THION, WATER, FLTRD (UG/L) (39542)	PEB-ULATE, WATER, FLTRD (UG/L) (82669)	PENDI-METH-ALIN, WATER, FLTRD (UG/L) (82683)	CIS-PER-METHRIN, WATER, FLTRD (UG/L) (82687)	PHORATE, WATER, FLTRD (UG/L) (82664)	PRO-METON, WATER, FLTRD (UG/L) (04037)	PRON-AMIDE, WATER, FLTRD (UG/L) (82676)
JAN												
25...	0.021	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.007	<0.004
FEB												
21...	0.041	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.005	<0.004
MAR												
20...	0.04	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.006	<0.004
MAY												
17...	0.19	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	0.059	<0.004
JUN												
13...	0.23	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	0.11	<0.004
JUL												
26...	0.067	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	0.05	<0.004
AUG												
15...	0.049	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	0.20	<0.004
SEP												
18...	0.06	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	0.018	<0.004

03274000 GREAT MIAMI RIVER AT HAMILTON, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(04024), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	PROP-ACHLOR, WATER, FLTRD (UG/L) (04024)	PRO-PANIL, WATER, FLTRD (UG/L) (82679)	PRO-PARGITE, WATER, FLTRD (UG/L) (82685)	SI-MAZINE, WATER, FLTRD (UG/L) (04035)	TEBU-THI-URON, WATER, FLTRD (UG/L) (82670)	TER-BACIL, WATER, FLTRD (UG/L) (82665)	TER-BUFOS, WATER, FLTRD (UG/L) (82675)	THIO-BENCARB, WATER, FLTRD (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD (UG/L) (82678)	TRI-FLUR-ALIN, WATER, FLTRD (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
JAN											
25...	<0.010	<0.011	<0.023	E0.009	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	4
FEB											
21...	<0.010	<0.011	<0.023	0.011	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	18
MAR											
20...	<0.010	<0.011	<0.023	0.018	E0.004	<0.034	<0.017	<0.005	<0.002	<0.009	122
MAY											
17...	<0.010	<0.011	<0.023	0.052	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	139
JUN											
13...	<0.010	<0.011	<0.023	0.14	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	210
JUL											
26...	<0.010	<0.011	<0.023	0.05	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	58
AUG											
15...	<0.010	<0.011	<0.023	0.093	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	48
SEP											
18...	<0.010	<0.011	<0.023	0.03	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	24

03274500 GREAT MIAMI RIVER AT VENICE, OHIO

LOCATION.—Latitude 39°18′15″, longitude 84°38′35″, Butler County, Hydrologic Unit 05080002, at mile 25.6.
DRAINAGE AREA.—3,789 mi^2.
REMARKS.—Instantaneous discharge values are from nearest upstream gaging station (Great Miami River at Hamilton, 03274000).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(00061), USGS National Water Information System parameter code; mm of Hg, millimeters of mercury; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter; deg C, degrees Celsius; col/100mL, colonies per 100 milliliters; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value; K, value estimated from non-ideal colony count.]

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	DIS-SOLVED OXYGEN (MG/L)) (00300)	DIS-SOLVED OXYGEN (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	PH WATER LAB (STAND-ARD UNITS) (00403)	SPEC-IFIC CON-DUCT ANCE LAB (US/CM) (90095)	SPEC-IFIC CON-DUCT-ANCE FIELD (US/CM) (00095)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE, WATER (DEG C) (00010)	HARD-NESS, TOTAL (MG/L AS CACO3) (00900)
OCT												
6...	1130	11800	752	9.0	118	7.6	7.7	409	397	15.0	17.5	171
NOV												
16...	1200	1930	742	8.7	81	8.4	8.0	795	784	11.0	11.0	311
DEC												
20...	1230	5510	753	13.4	93	7.9	7.9	673	646	-4.0	0.0	257
APR												
11...	1400	22400	733	8.8	99	7.8	7.5	633	625	30.0	19.0	232
12...	1430	18300	745	9.2	100	7.9	7.7	504	485	--	18.0	195

DATE	CALCIUM, DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY, WATER, DIS-SOLVED FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE, WATER, DIS-SOLVED FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS-SOLVED FIELD (MG/L AS CO3) (00452)	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)	SULFATE, DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)
OCT												
6...	42	16	5.4	15	130	158	<1	28	0.2	5.8	27	234
NOV												
16...	77	29	4.3	33	225	271	<1	61	0.4	6.4	59	458
DEC												
20...	65	23	4.3	26	191	230	<1	56	0.3	6.4	44	393
APR												
11...	57	22	3.9	33	167	204	<1	57	0.3	3.6	46	379
12...	49	18	5.5	15	163	199	<1	33	0.2	6.1	31	300

DATE	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC, DIS-SOLVED (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC, TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2 + NO3, DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	E. COLI, WATER TOTAL (COL/ 100 ML) (31633)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	2,6-DI-ETHYL ANILINE, WATER, FLTRD (UG/L) (82660)
OCT												
6...	E0.02	0.6	1.8	2.5	0.02	0.18	0.15	0.70	K17000	39	<3	<0.002
NOV												
16...	<0.04	0.4	0.5	4.7	0.02	0.20	0.15	0.21	550	12	6	<0.002
DEC												
20...	0.10	1.3	1.0	6.7	0.03	0.18	0.15	0.26	650	11	5	<0.002
APR												
11...	<0.04	0.7	3.8	2.3	0.06	0.14	0.07	1.7	--	14	21	<0.002
12...	<0.04	1.0	2.1	5.7	0.10	0.17	0.09	0.65	--	21	<3	<0.002

03274500 GREAT MIAMI RIVER AT VENICE, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(49260), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	ACETO-CHLOR, WATER, FLTRD (UG/L) (49260)	ALA-CHLOR, WATER, FLTRD (UG/L) (46342)	ALPHA BHC, WATER, FLTRD (UG/L) (34253)	ATRA-ZINE, WATER, FLTRD (UG/L) (39632)	BEN-FLUR-ALIN, WATER, FLTRD (UG/L) (82673)	BUTYL-ATE, WATER, FLTRD (UG/L) (04028)	CAR-BARYL, WATER, FLTRD (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD (UG/L) (82674)	CHLOR-PYRIFOS, WATER, FLTRD (UG/L) (38933)	CYANA-ZINE, WATER, FLTRD (UG/L) (04041)	DCPA, WATER, FLTRD (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, FLTRD (UG/L) (04040)
OCT												
6...	0.016	<0.002	<0.005	0.20	<0.010	<0.002	E0.008	<0.020	<0.005	<0.018	<0.003	E0.13
NOV												
16...	0.011	<0.002	<0.005	0.16	<0.010	<0.002	<0.041	<0.020	<0.005	E0.009	<0.003	E0.095
DEC												
20...	0.014	0.005	<0.005	0.14	<0.010	<0.002	<0.041	<0.020	<0.005	<0.018	<0.003	E0.086
APR												
11...	0.021	0.005	<0.005	0.65	<0.010	<0.002	E0.011	<0.020	<0.005	E0.006	<0.003	E0.036
12...	0.11	0.012	<0.005	1.7	<0.010	<0.002	<0.041	<0.020	<0.005	E0.015	<0.003	E0.086

DATE	DI-AZINON, WATER, FLTRD (UG/L) (39572)	DI-ELRIN, WATER, FLTRD (UG/L) (39381)	DISUL-FOTON, WATER, FLTRD (UG/L) (82677)	EPTC, WATER, FLTRD (UG/L) (82668)	ETHAL-FLUR-ALIN, WATER, FLTRD (UG/L) (82663)	ETHO-PROP, WATER, FLTRD (UG/L) (82672)	FONOFOS, WATER, FLTRD (UG/L) (04095)	LINDANE, WATER, FLTRD (UG/L) (39341)	LIN-URON, WATER, FLTRD (UG/L) (82666)	MALA-THION, WATER, FLTRD (UG/L) (39532)	METHYL-AZIN-PHOS, WATER, FLTRD (UG/L) (82686)	METHYL PARA-THION, WATER, FLTRD (UG/L) (82667)
OCT												
6...	0.035	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	0.029	<0.050	<0.006
NOV												
16...	0.014	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
DEC												
20...	E0.004	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
APR												
11...	0.049	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
12...	0.025	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006

DATE	METO-LACHLOR, WATER, FLTRD (UG/L) (39415)	METRI-BUZIN, WATER, FLTRD (UG/L) (82630)	MOL-INATE, WATER, FLTRD (UG/L) (82671)	NAPROP-AMIDE, WATER, FLTRD (UG/L) (82684)	P,P' DDE, WATER, FLTRD (UG/L) (34653)	PARA-THION, WATER, FLTRD (UG/L) (39542)	PEB-ULATE, WATER, FLTRD (UG/L) (82669)	PENDI-METH-ALIN, WATER, FLTRD (UG/L) (82683)	CIS-PER-METHRIN, WATER, FLTRD (UG/L) (82687)	PHORATE, WATER, FLTRD (UG/L) (82664)	PRO-METON, WATER, FLTRD (UG/L) (04037)	PRON-AMIDE, WATER, FLTRD (UG/L) (82676)
OCT												
6...	0.076	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	0.040	<0.004
NOV												
16...	0.051	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.010	<0.004
DEC												
20...	0.075	0.016	<0.002	<0.007	<0.003	<0.007	<0.002	<0.010	<0.006	<0.011	E0.007	<0.004
APR												
11...	0.39	0.12	<0.002	<0.007	<0.003	<0.007	<0.002	<0.020	<0.006	<0.011	0.023	<0.004
12...	0.76	0.65	<0.002	<0.007	<0.003	<0.007	<0.002	<0.020	<0.006	<0.011	E0.014	<0.004

03274500 GREAT MIAMI RIVER AT VENICE, OHIO—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(04024), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	PROP-ACHLOR, WATER, FLTRD (UG/L) (04024)	PRO-PANIL, WATER, FLTRD (UG/L) (82679)	PRO-PARGITE, WATER, FLTRD (UG/L) (82685)	SI-MAZINE, WATER, FLTRD (UG/L) (04035)	TEBU-THI-URON, WATER, FLTRD (UG/L) (82670)	TER-BACIL, WATER, FLTRD (UG/L) (82665)	TER-BUFOS, WATER, FLTRD (UG/L) (82675)	THIO-BENCARB, WATER, FLTRD (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD (UG/L) (82678)	TRI-FLUR-ALIN, WATER, FLTRD (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT											
6...	<0.010	<0.011	<0.023	0.016	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	363
NOV											
16...	<0.010	<0.011	<0.023	0.025	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	131
DEC											
20...	<0.010	<0.011	<0.023	0.021	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	34
APR											
11...	<0.010	<0.011	<0.023	0.085	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	1110
12...	<0.010	<0.011	<0.023	0.32	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	396

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 mi^2.
REMARKS.—Twelve 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 2000 TO SEPTEMBER 2001

[(00061), USGS National Water Information System parameter code; mm of Hg, millimeters of mercury; mg/L, milligrams per liter; µS/cm, microsiemens per centimeter; deg C, degrees Celsius; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	DIS-SOLVED OXYGEN (MG/L)) (00300)	DIS-SOLVED OXYGEN (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	PH WATER LAB (STAND-ARD UNITS) (00403)	SPEC-IFIC CON-DUCT ANCE LAB (US/CM) (90095)	SPEC-IFIC CON-DUCT-ANCE FIELD (US/CM) (00095)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE, WATER (DEG C) (00010)	HARD-NESS, TOTAL (MG/L AS CACO3) (00900)
OCT												
05...	1110	470	741	9.1	97	7.7	7.6	300	277	20	18.0	97
NOV												
15...	1030	4.5	745	12.7	103	8.2	8.1	687	661	3	5.0	253
DEC												
12...	1020	49	753	11.7	85	8.0	7.7	608	586	-3	2.0	184
JAN												
26...	1100	5.2	744	13.3	93	8.2	8.1	1590	1510	-2	0.0	377
FEB												
22...	1430	7.4	742	13.3	99	8.1	8.2	1420	1380	0	2.0	362
MAR												
21...	1300	10	740	12.2	112	8.5	8.2	1150	1120	15	10.0	331
APR												
24...	1130	8.0	745	10.4	109	8.4	8.2	957	976	18	16.0	316
MAY												
17...	1600	50	734	8.8	99	8.2	7.5	742	724	22	20.0	214
JUN												
13...	1130	39	738	7.2	87	8.0	7.8	525	535	32	24.0	150
JUL												
25...	1315	3.4	739	10.1	132	8.1	8.2	625	633	---	27.5	215
AUG												
15...	1400	1.8	740	8.1	101	8.3	8.2	722	722	27	25.0	247
SEP												
20...	1200	24	---	---	---	8.1	8.1	467	941	21.0	22.4	152

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(00915), USGS National Water Information System parameter code;; mg/L, milligrams per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	CALCIUM, DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY, WATER, DIS-SOLVED FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE, WATER, DIS-SOLVED FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS-SOLVED FIELD (MG/L AS CO3) (00452)	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)	SULFATE, DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L) (70300)
OCT												
05...	27	7.4	2.7	15	71	86	<1	24	E0.11	2.9	17	156
NOV												
15...	65	22	3.5	36	186	224	<1	69	0.26	5.8	38	384
DEC												
12...	48	16	3.6	41	142	171	<1	78	0.19	3.8	35	336
JAN												
26...	94	35	3.9	155	255	307	<1	302	0.23	3.6	60	820
FEB												
22...	91	33	3.1	141	236	265	10	272	0.20	2.5	58	774
MAR												
21...	81	31	3.1	100	225	256	7	189	0.23	0.6	54	582
APR												
24...	79	29	2.9	82	226	260	6	149	0.19	1.9	47	562
MAY												
17...	55	19	3.1	62	78	95	<1	114	0.22	4.6	30	396
JUN												
13...	38	13	2.7	36	121	144	1	69	E0.13	3.4	25	306
JUL												
25...	51	21	2.9	40	161	189	3	76	0.33	6.6	37	365
AUG												
15...	60	23	2.5	50	186	222	2	93	0.28	5.8	34	397
SEP												
20...	40	13	2.7	30	113	136	<1	54	0.18	4.9	23	253

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(00608), USGS National Water Information System parameter code; mg/L, milligrams per liter; col/100mL, colonies per 100 milliliters; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value; K, value is estimated from non-ideal colony count.]

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC, DISSOLVED (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N) (00625)	NITROGEN, NO2 + NO3, DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	E. COLI, WATER TOTAL (COL/100 ML) (31633)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	2,6-DIETHYL ANILINE, WATER, FLTRD (UG/L) (82660)
OCT												
05...	0.08	0.4	1.6	0.58	0.02	0.04	0.03	0.40	K14000	21	3.5	<0.002
NOV												
15...	<0.04	0.3	0.3	0.57	E0.01	0.01	E0.01	0.02	100	17	7.3	---
DEC												
12...	<0.04	0.6	0.8	0.68	0.02	0.04	<0.02	0.10	2000	13	22	<0.002
JAN												
26...	<0.04	0.3	0.2	1.1	0.01	0.007	<0.02	0.01	22	15	17	<0.002
FEB												
22...	<0.04	0.2	0.4	0.95	0.01	0.007	<0.02	0.02	K12	12	25	<0.002
MAR												
21...	<0.04	0.3	0.3	0.81	0.01	0.008	<0.02	0.03	<3	16	24	<0.002
APR												
24...	<0.04	0.4	0.6	0.61	0.01	0.006	<0.02	0.04	390	15	12	<0.002
MAY												
17...	<0.04	0.4	0.7	0.48	0.03	0.02	<0.02	0.09	1800	11	10	<0.002
JUN												
13...	<0.04	0.3	1.0	0.66	0.03	0.02	<0.02	0.16	K16000	E6.3	E2.2	<0.002
JUL												
25...	<0.04	0.2	0.3	0.74	E0.01	0.02	E0.01	0.04	---	<10	8.5	<0.002
AUG												
15...	<0.04	0.2	0.4	0.82	E0.01	0.01	<0.02	0.04	270	<10	8.9	<0.002
SEP												
20...	<0.04	0.3	0.5	0.51	0.01	0.02	<0.02	0.08	2400	11	E2.6	<0.002

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(49260), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	ACETO-CHLOR, WATER, FLTRD (UG/L) (49260)	ALA-CHLOR, WATER, FLTRD (UG/L) (46342)	ALPHA BHC, WATER, FLTRD (UG/L) (34253)	ATRA-ZINE, WATER, FLTRD (UG/L) (39632)	BEN-FLUR-ALIN, WATER, FLTRD (UG/L) (82673)	BUTYL-ATE, WATER, FLTRD (UG/L) (04028)	CAR-BARYL, WATER, FLTRD (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD (UG/L) (82674)	CHLOR-PYRIFOS, WATER, FLTRD (UG/L) (38933)	CYANA-ZINE, WATER, FLTRD (UG/L) (04041)	DCPA, WATER, FLTRD (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, FLTRD (UG/L) (04040)
OCT												
05...	<0.004	<0.002	<0.005	E0.01	<0.002	E0.009	<0.020	0.006	<0.018	<0.018	<0.003	E0.006
NOV												
15...	---	---	---	---	---	---	---	---	---	---	---	---
DEC												
12...	<0.004	<0.002	<0.005	0.01	<0.002	<0.041	<0.020	<0.005	<0.018	<0.018	<0.003	E0.009
JAN												
26...	<0.004	<0.002	<0.005	0.01	<0.002	<0.041	<0.020	<0.005	<0.018	<0.018	<0.003	E0.010
FEB												
22...	<0.004	<0.002	<0.005	0.01	<0.002	<0.041	<0.020	<0.005	<0.018	<0.018	<0.003	E0.008
MAR												
21...	<0.004	<0.002	<0.005	0.01	<0.002	<0.041	<0.020	<0.005	<0.018	<0.018	<0.003	E0.007
APR												
24...	0.008	<0.002	<0.005	0.12	<0.002	<0.041	<0.020	<0.005	<0.018	<0.018	<0.003	E0.015
MAY												
17...	0.078	0.011	<0.005	0.42	<0.002	E0.019	<0.020	E0.004	<0.018	<0.018	<0.003	E0.11
JUN												
13...	0.071	<0.002	<0.005	0.96	<0.002	E0.018	<0.020	E0.004	<0.018	<0.018	<0.003	E0.13
JUL												
25...	<0.004	<0.002	<0.005	1.1	<0.002	<0.041	<0.020	E0.005	<0.018	<0.018	<0.003	E0.007
AUG												
15...	<0.004	<0.002	<0.005	0.03	<0.002	<0.041	<0.020	<0.005	<0.018	<0.018	<0.003	E0.006
SEP												
20...	<0.004	<0.002	<0.005	0.016	<0.002	E0.031	<0.020	<0.005	<0.018	<0.018	<0.003	<0.006

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(39572), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	DI-AZINON, WATER, FLTRD (UG/L) (39572)	DI-ELRIN, WATER, FLTRD (UG/L) (39381)	DISUL-FOTON, WATER, FLTRD (UG/L) (82677)	EPTC, WATER, FLTRD (UG/L) (82668)	ETHAL-FLUR-ALIN, WATER, FLTRD (UG/L) (82663)	ETHO-PROP, WATER, FLTRD (UG/L) (82672)	FONOFOS, WATER, FLTRD (UG/L) (04095)	LINDANE, WATER, FLTRD (UG/L) (39341)	LIN-URON, WATER, FLTRD (UG/L) (82666)	MALA-THION, WATER, FLTRD (UG/L) (39532)	METHYL-AZIN-PHOS, WATER, FLTRD (UG/L) (82686)	METHYL PARA-THION, WATER, FLTRD (UG/L) (82667)
OCT												
05...	0.110	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	0.12	<0.050	<0.006
NOV												
15...	---	---	---	---	---	---	---	---	---	---	---	---
DEC												
12...	0.024	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	E0.011	<0.050	<0.006
JAN												
26...	0.006	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
FEB												
22...	0.006	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
MAR												
21...	0.005	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
APR												
24...	0.041	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
MAY												
17...	0.14	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	E0.006	<0.050	<0.006
JUN												
13...	0.15	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
JUL												
25...	0.098	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
AUG												
15...	0.026	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.050	<0.006
SEP												
20...	0.14	<0.005	<0.021	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	E0.009	<0.050	<0.006

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(39415), USGS National Water Information System parameter code; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	METO-LACHLOR, WATER, FLTRD (UG/L) (39415)	METRI-BUZIN, WATER, FLTRD (UG/L) (82630)	MOL-INATE, WATER, FLTRD (UG/L) (82671)	NAPROP-AMIDE, WATER, FLTRD (UG/L) (82684)	P,P' DDE, WATER, FLTRD (UG/L) (34653)	PARA-THION, WATER, FLTRD (UG/L) (39542)	PEB-ULATE, WATER, FLTRD (UG/L) (82669)	PENDI-METH-ALIN, WATER, FLTRD (UG/L) (82683)	CIS-PER-METHRIN, WATER, FLTRD (UG/L) (82687)	PHORATE, WATER, FLTRD (UG/L) (82664)	PRO-METON, WATER, FLTRD (UG/L) (04037)	PRON-AMIDE, WATER, FLTRD (UG/L) (82676)
OCT												
05...	E0.002	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.01	<0.006	<0.011	0.036	<0.004
NOV												
15...	---	---	---	---	---	---	---	---	---	---	---	---
DEC												
12...	E0.004	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.01	<0.006	<0.011	E0.012	<0.004
JAN												
26...	E0.004	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.01	<0.006	<0.011	E0.013	<0.004
FEB												
22...	E0.001	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.01	<0.006	<0.011	E0.007	<0.004
MAR												
21...	E0.004	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	0.022	<0.006	<0.011	E0.008	<0.004
APR												
24...	0.016	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	E0.022	<0.006	<0.011	0.049	<0.004
MAY												
17...	0.051	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	E0.008	<0.006	<0.011	0.044	<0.004
JUN												
13...	0.13	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	0.013	<0.006	<0.011	0.055	<0.004
JUL												
25...	E0.009	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.01	<0.006	<0.011	0.066	<0.004
AUG												
15...	E0.002	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.01	<0.006	<0.011	0.13	<0.004
SEP												
20...	E0.005	<0.006	<0.002	<0.007	<0.003	<0.007	<0.002	<0.01	<0.006	<0.011	0.053	<0.004

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

[(04024), USGS National Water Information System parameter code; mg/L, milligrams per liter; µg/L, micrograms per liter; ---, no data; <, concentration or value reported is less than that indicated; E, estimated concentration or value.]

DATE	PROP-ACHLOR, WATER, FLTRD (UG/L) (04024)	PRO-PANIL, WATER, FLTRD (UG/L) (82679)	PRO-PARGITE, WATER, FLTRD (UG/L) (82685)	SI-MAZINE, WATER, FLTRD (UG/L) (04035)	TEBU-THI-URON, WATER, FLTRD (UG/L) (82670)	TER-BACIL, WATER, FLTRD (UG/L) (82665)	TER-BUFOS, WATER, FLTRD (UG/L) (82675)	THIO-BENCARB, WATER, FLTRD (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD (UG/L) (82678)	TRI-FLUR-ALIN, WATER, FLTRD (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT											
05...	<0.010	<0.011	<0.023	E0.006	<0.016	<0.034	<0.017	<0.005	<0.002	E0.001	331
NOV											
15...	---	---	---	---	---	---	---	---	---	---	6
DEC											
12...	<0.010	<0.011	<0.023	E0.007	<0.016	<0.034	<0.017	<0.005	<0.002	E0.001	66
JAN											
26...	<0.010	<0.011	<0.023	E0.005	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	18
FEB											
22...	<0.010	<0.011	<0.023	E0.005	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	5
M AR											
21...	<0.010	<0.011	<0.023	E0.006	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	92
APR											
24...	<0.010	<0.011	<0.023	E0.009	<0.016	<0.034	<0.017	<0.005	<0.002	E0.001	29
MAY											
17...	<0.010	<0.011	<0.023	0.035	<0.016	<0.034	<0.017	<0.005	<0.002	E0.004	30
JUN											
13...	<0.010	<0.011	<0.023	0.18	<0.016	<0.034	<0.017	<0.005	<0.002	E0.003	101
JUL											
25...	<0.010	<0.011	<0.023	0.039	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	63
AUG											
15...	<0.010	<0.011	<0.023	0.044	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	15
SEP											
20...	<0.010	<0.011	<0.023	0.012	<0.016	<0.034	<0.017	<0.005	<0.002	<0.009	31