



2005 Water Year
OHIO RIVER BASIN
03086000 Ohio River at Sewickley, PA

Latitude: 40° 32 ' 57"

Longitude: 080° 12 ' 21"

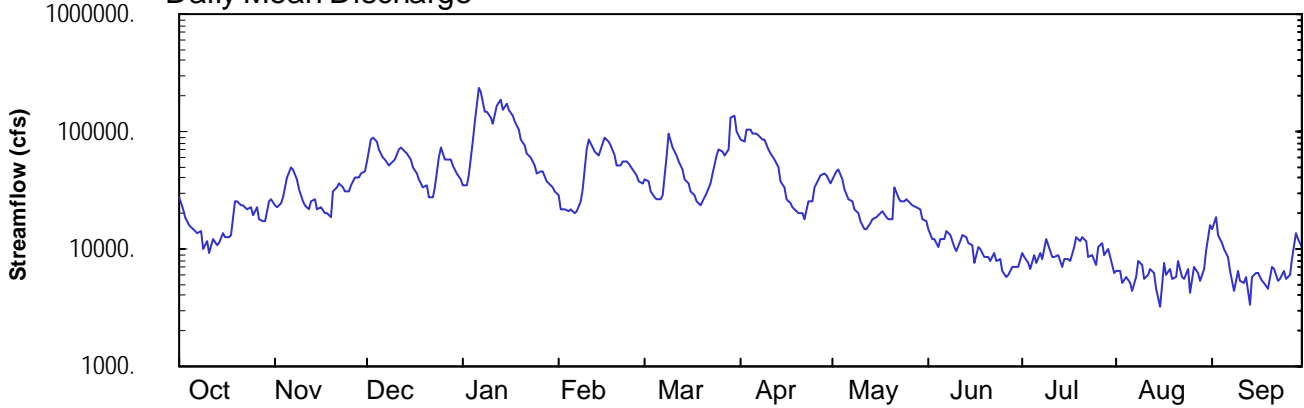
Hydrologic Unit Code: 05030101

Allegheny County

Datum: 680 feet

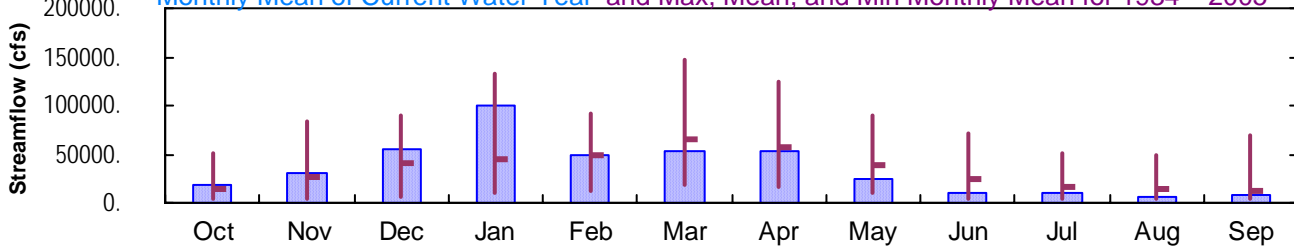
Drainage Area: 19500 mi²

Daily Mean Discharge

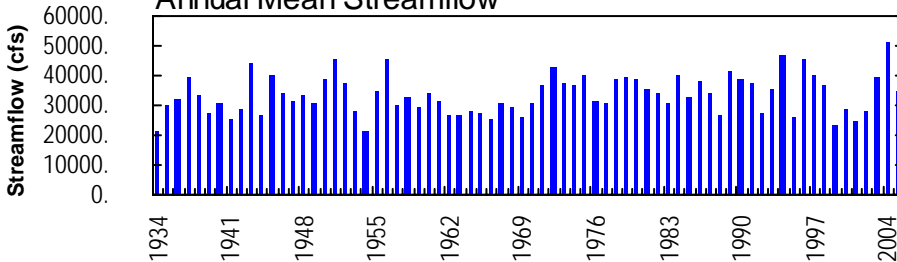


Monthly Statistics

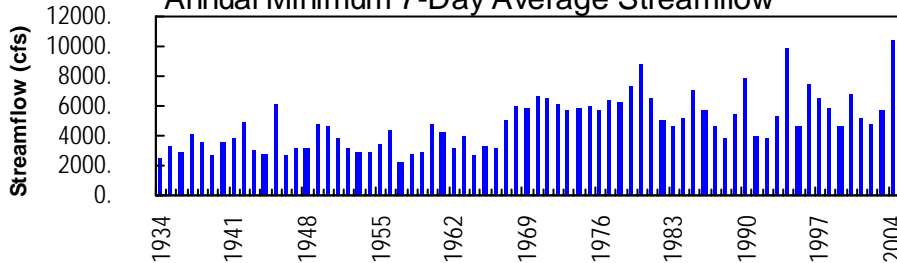
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1934 – 2005



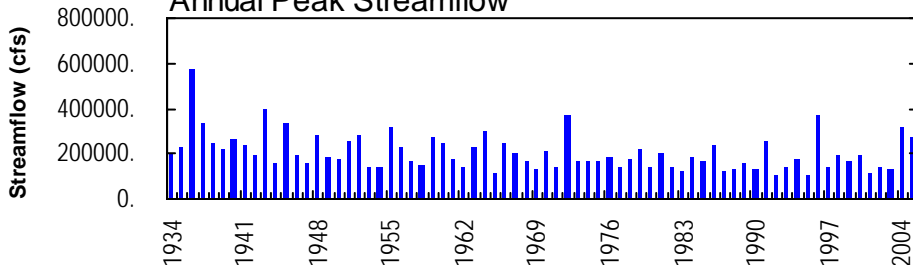
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA
(Pennsylvania Water-Quality Network Station)
(National Stream-Quality Accounting Network Station)

LOCATION.--Lat 40°32'57", long 80°12'21", Allegheny County, Hydrologic Unit 05030101, near left bank 50 ft upstream from Dashields Dam, 1.0 mi downstream from Narrows Run, 1.0 mi northwest of Sewickley, and 13.3 mi downstream from confluence of Allegheny and Monongahela Rivers.

DRAINAGE AREA.--19,500 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1933 to current year.

REVISED RECORDS.--WSP 1305: 1938-40 (adjusted monthly runoff). WSP 1435: 1934.

GAGE.--Water-stage recorder and fixed-crest concrete dam control. Datum of gage is 680.00 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Nov. 22, 1933, nonrecording gage, Nov. 22, 1933 to May 4, 1981, water-stage recorder at site 1.5 mi upstream, Nov. 14, 1988 to July 12, 1990, nonrecording gage, and July 13, 1990 to June 13, 1991, water-stage recorder at present site at datum 10.41 ft higher.

REMARKS.--No estimated daily discharges. Records good. Some regulation by locks, and by many reservoirs above station. Combined capacity of reservoirs and lakes, excluding that of Chautauqua Lake (station 03013946), but including Lake Lynn, Deep Creek Reservoir (station 03076000), and 15 smaller reservoirs, 2,773,000 acre-ft. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27300	23300	56500	34500	28400	39800	85800	39900	14500	9300	6480	14800
2	22100	22600	85900	34800	21800	37400	83400	46000	12200	8680	6450	18500
3	18400	24400	87900	41700	21400	30500	105000	47000	12000	7700	5180	13300
4	16100	27900	82200	81300	21100	27400	104000	38900	10300	6700	5880	11400
5	15300	40300	70200	124000	21800	26900	97400	31800	12400	8950	5100	9890
6	14200	50400	60100	239000	20200	26800	96100	26100	12300	7630	4440	8430
7	13400	47900	58100	220000	20800	28600	91200	25600	14500	9250	5810	6510
8	14200	38700	52000	146000	25200	62400	86900	21900	13300	8240	7870	4420
9	9940	32300	55300	149000	32700	94700	85500	20200	10500	12000	7260	6580
10	11600	25700	58300	129000	71300	72500	71800	17600	9600	11000	5500	5380
11	9110	23400	71700	117000	86000	61900	66100	14700	11500	8440	6000	5190
12	12200	22000	73300	168000	74100	56200	57900	14500	13400	8390	6840	5760
13	10800	25100	68700	185000	66500	47400	48800	16600	12500	8760	6280	3330
14	11300	26400	65000	153000	62900	38900	38400	17700	11100	6920	4500	5810
15	13500	22100	57000	170000	78300	36000	33000	18800	10800	8120	3290	6340
16	12400	22500	50400	156000	87700	30800	26600	19800	7740	8180	7740	6240
17	12500	20500	44200	138000	83600	29100	24200	21400	10400	7890	6020	5310
18	13100	20600	39800	120000	75800	26000	22300	19000	10100	10300	6790	5130
19	25800	18400	34100	103000	62200	23200	20800	18000	8620	12700	5640	4560
20	25600	30700	34400	85900	51400	25400	20100	18000	8510	11700	5810	7060
21	23800	33500	27500	77500	52300	30000	19900	33800	7880	12400	7940	6780
22	24000	35900	27200	65600	54800	36600	17700	27600	9130	11600	5860	5460
23	22000	33800	33200	60600	56000	44000	25900	25700	7790	8670	5500	5590
24	22600	30600	59300	51400	53900	61700	25500	25300	8360	8810	6740	6580
25	19100	30800	73900	44400	48000	71400	33700	26900	6500	7450	4240	5650
26	22700	35400	58400	46300	42300	67200	38700	25000	5880	10200	6990	5930
27	18100	40400	59000	45300	38300	61500	42500	24000	5930	11200	6160	8100
28	17200	40000	58100	38100	36500	70100	43500	22500	7090	8790	5280	13700
29	17400	43800	51000	36000	---	133000	42000	21600	6990	10100	6650	12200
30	25400	46400	44500	33000	---	134000	36600	18100	7000	8640	9480	10500
31	26900	---	39800	30800	---	99200	---	17400	---	6290	15700	---
TOTAL	548050	935800	1737000	3124200	1395300	1630600	1591300	761400	298820	285000	199420	234430
MEAN	17680	31190	56030	100800	49830	52600	53040	24560	9961	9194	6433	7814
MAX	27300	50400	87900	239000	87700	134000	105000	47000	14500	12700	15700	18500
MIN	9110	18400	27200	30800	20200	23200	17700	14500	5880	6290	3290	3330
CFSM	0.91	1.60	2.87	5.17	2.56	2.70	2.72	1.26	0.51	0.47	0.33	0.40
IN.	1.05	1.79	3.31	5.96	2.66	3.11	3.04	1.45	0.57	0.54	0.38	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2005, BY WATER YEAR (WY)

MEAN	15230	26220	40340	45370	49420	65120	56490	38470	24670	16040	13370	12740
MAX	51010	83490	88890	132000	91820	147900	124500	90380	70490	50770	48180	69260
(WY)	1955	1986	1973	1937	1939	1936	1940	1996	1989	1972	1956	2004
MIN	3073	3991	6705	10470	11610	18670	16790	9593	5001	3892	3565	3081
(WY)	1964	1954	1961	1977	1934	1969	1946	1934	1934	1966	1957	1946

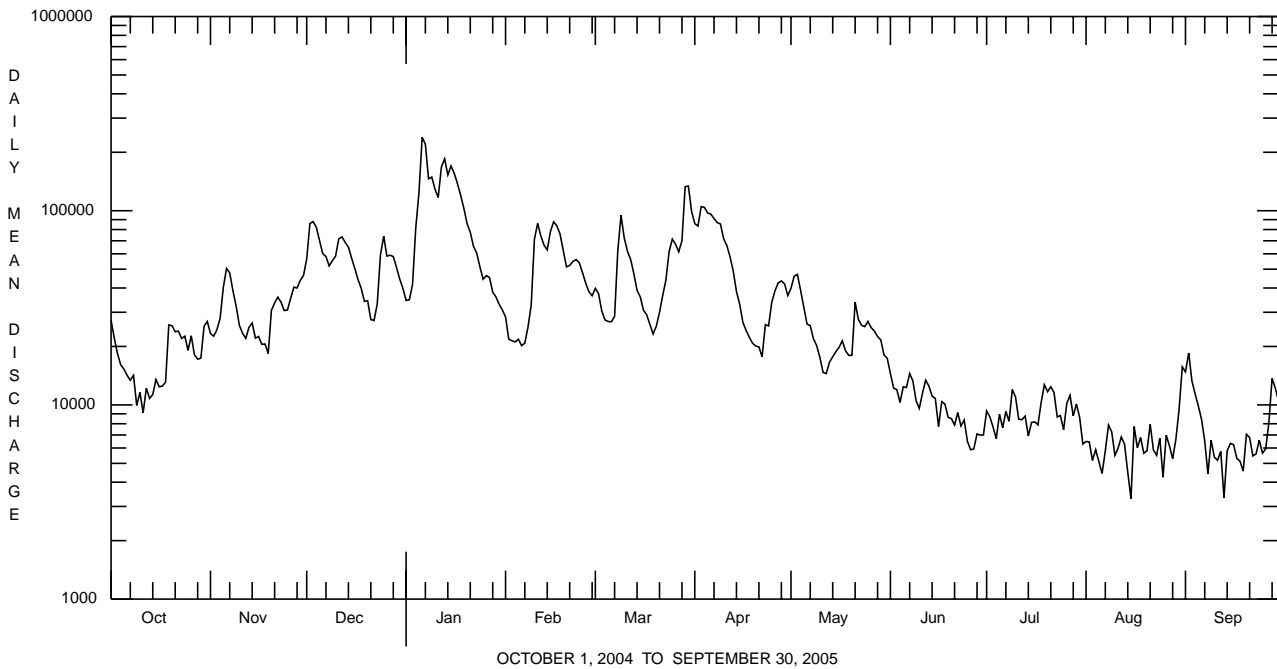
e Estimated.

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1934 - 2005	
ANNUAL TOTAL	17105530		12741320			
ANNUAL MEAN	46740		34910		33540	
HIGHEST ANNUAL MEAN					51340	2004
LOWEST ANNUAL MEAN					21110	1934
HIGHEST DAILY MEAN	283000	Sep 18	239000	Jan 6	465000	Mar 18 1936
LOWEST DAILY MEAN	8980	Jul 4	3290	Aug 15	2100	Sep 4 1957
ANNUAL SEVEN-DAY MINIMUM	10400	Jul 6	5210	Sep 8	2330	Sep 1 1957
MAXIMUM PEAK FLOW			269000	Jan 6	^a 574000	Mar 18 1936
MAXIMUM PEAK STAGE			27.18	Jan 6	^b 34.75	Mar 18 1936
INSTANTANEOUS LOW FLOW					1800	Sep 4 1957
ANNUAL RUNOFF (CFSM)	2.40		1.79		1.72	
ANNUAL RUNOFF (INCHES)	32.63		24.31		23.37	
10 PERCENT EXCEEDS	88400		79500		74600	
50 PERCENT EXCEEDS	37800		23300		23100	
90 PERCENT EXCEEDS	14200		6410		6040	

a From rating curve extended above 535,000 ft³/s.
b From floodmarks in gage house, site and datum then in use.



OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued
(Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2000 to current year.

COOPERATION.--Samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection.

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

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, μ S/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, μ S/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, unfltrd recover-able, mg/L (00916)	Magnesium, water, unfltrd recover-able, mg/L (00927)
NOV 2004 29...	1030	1028	9813	44000	12.1	7.0	7.5	289	295	8.0	98	27.0	7.3
JAN 2005 20...	1330	1028	9813	87410	15.2	7.8	7.4	196	204	1.5	62	16.5	5.1
MAR 29...	1400	1028	9813	146800	12.5	7.2	7.7	275	277	6.5	93	25.9	6.8
MAY 26...	0950	1028	9813	22600	9.3	7.4	7.8	295	294	16.5	93	26.0	6.8
JUL 21...	1245	1028	9813	15400	9.1	8.1	8.1	464	564	26.9	150	40.5	11.6
SEP 01...	0815	1028	9813	11970	6.9	7.5	7.8	496	505	24.5	150	40.4	11.6

Date	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (00417)	Fluoride, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat fltr mg/L (00515)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water, unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho-phosphate, water, unfltrd mg/L as P (70507)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recover-able, μ g/L (01105)
NOV 2004 29...	46	<.2	59.6	204	18	.050	.66	<.040	.02	.039	.89	2.1	510
JAN 2005 20...	26	<.2	39.4	170	12	.080	.69	<.040	.03	.023	.91	1.8	540
MAR 29...	37	<.2	58.5	160	172	.070	.80	<.040	.01	.173	1.9	--	4000
MAY 26...	37	<.2	73.8	198	2	.070	.69	<.040	.01	.020	1.0	--	310
JUL 21...	48	.2	122	358	14	.030	.83	<.040	<.01	.027	1.1	--	300
SEP 01...	48	.2	123	348	8	.140	1.03	<.040	.02	.043	1.3	--	<200

Date	Copper, water, unfltrd recover-able, μ g/L (01042)	Cyanide amenable to chlorination wat unfltrd mg/L (00722)	Iron, water, unfltrd recover-able, μ g/L (01045)	Lead, water, unfltrd recover-able, μ g/L (01051)	Manganese, water, unfltrd recover-able, μ g/L (01055)	Nickel, water, unfltrd recover-able, μ g/L (01067)	Zinc, water, unfltrd recover-able, μ g/L (01092)	Phenolic compounds, water, unfltrd pounds (32730)
NOV 2004 29...	<10	<1.00	940	1.1	160	<50	10	<5
JAN 2005 20...	<10	<1.00	950	<1.0	200	<50	<10	<5
MAR 29...	10	<1.00	9900	10	580	<50	70	<5
MAY 26...	<10	<1.00	570	<1.0	90	<50	<10	<5
JUL 21...	<10	<1.00	510	1.4	140	<50	10	<5
SEP 01...	<10	<1.00	190	<1.0	50	<50	<10	<5

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES

REMARKS.--Samples were collected using a multiplate sampler that was deployed for 5 weeks. Samples represent counts per 100 animal (approximate) subsamples.

Date	11/09/04
Benthic macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	6
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Hydrobiidae	
<i>Ammicola</i>	2
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Tubificida	
Naididae	171
Tubificidae	3
Arthropoda	
Crustacea	
Cladocera	
Gammaridae	
<i>Gammarus</i>	20
Isopoda (AQUATIC SOWBUGS)	
Asellidae	
<i>Caecidotea</i>	1
Insecta	
Ephemeroptera (MAYFLIES)	
Heptageniidae	
<i>Stenacron</i>	5
<i>Stenonema</i>	2
Tricorythidae	
<i>Tricorythodes</i>	3
Megaloptera	
Sialidae (ALDERFLIES)	
<i>Sialis</i>	1
Trichoptera (CADDISFLIES)	
Hydroptilidae	
<i>Hydroptila</i>	3
Polycentropodidae	
<i>Polycentropus</i>	7
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	72
Empididae (DANCE FLIES)	
<i>Hemerodromia</i>	6
Total Organisms	302
Total Taxa	14

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued
(National Stream-Quality Accounting Network Station)

REMARKS.--All water-quality samples were collected and analyzed by the U.S. Geological Survey. Some values for 'dissolved' parameters exceed values for the corresponding 'total' parameter. These results are within the limits of analytical precision and methods.

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

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, µS/cm 25 degC (00095)	Data base number
OCT 2004										
28...	0830	9	17600	.054	.040	744	10.2	7.1	428	01
28...	0838	Q	--	<.004	<.004	--	--	--	--	02
DEC										
16...	0945	9	49400	.049	.036	--	13.4	7.2	261	01
JAN 2005										
06...	1550	9	264000	.075	.056	737	12.9	7.2	231	01
31...	0940	9	31700	.030	.020	753	14.3	7.0	355	01
APR										
26...	0840	9	34200	.042	.031	734	10.7	6.9	339	01
26...	0850	R	34200	.042	.031	734	10.7	6.9	339	02
MAY										
16...	0900	9	24200	.046	.036	743	9.0	7.1	348	01
26...	0950	9	22800	.039	.029	740	9.3	7.4	294	01
JUN										
08...	0930	9	13300	.039	.028	740	8.7	7.5	390	01
08...	0933	S	--	--	--	--	--	--	--	02
30...	0915	9	6630	.049	.036	740	6.9	7.2	435	01
JUL										
27...	0830	9	14300	.047	.034	738	7.1	7.4	507	01
AUG										
01...	0815	9	5980	.045	.032	746	7.6	7.7	441	01
SEP										
01...	0815	9	12000	.053	.038	741	6.9	7.5	505	01
01...	0825	R	12000	.055	.040	741	6.9	7.5	505	02

Date	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Data base number	Medium code
OCT 2004													
28...	13.5	39.2	10.8	2.50	24.5	41	24.2	.1	4.13	105	252	01	9
28...	--	E.01	<.008	<.010	<.20	--	<.01	<.01	E.03	<.01	--	02	Q
DEC													
16...	4.0	20.7	5.60	1.60	12.7	29	16.4	.1	5.56	41.2	134	01	9
JAN 2005													
06...	5.5	20.4	4.82	1.92	12.7	34	14.7	E.1	5.86	42.7	135	01	9
31...	.5	29.8	8.39	1.75	24.3	31	32.6	E.1	6.24	77.2	202	01	9
APR													
26...	12.5	31.6	8.61	1.78	21.0	38	27.8	.1	3.99	73.2	194	01	9
26...	12.5	31.4	8.58	1.78	20.9	38	27.9	.1	3.94	73.2	208	02	R
MAY													
16...	7.0	28.5	7.99	1.70	23.7	39	30.2	.1	3.56	71.7	204	01	9
26...	16.5	25.9	7.08	1.49	18.9	34	18.9	E.1	4.08	73.8	172	01	9
JUN													
08...	21.5	33.3	10.2	2.09	24.9	42	30.2	.1	3.93	85.1	226	01	9
08...	--	--	--	--	--	--	--	--	--	--	--	02	S
30...	27.0	37.7	10.8	2.59	30.3	45	37.9	.2	3.13	95.1	256	01	9
JUL													
27...	28.0	39.3	11.4	2.61	37.7	43	34.1	.2	3.29	137	315	01	9
AUG													
01...	27.5	35.6	10.1	2.35	34.8	30	34.2	.2	2.63	108	270	01	9
SEP													
01...	24.5	41.0	11.8	2.68	37.9	44	39.0	.2	3.45	123	315	01	9
01...	24.5	42.4	12.1	2.84	39.1	44	38.9	.2	3.55	127	315	02	R

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued

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

Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Data base number	Medium code
OCT 2004											
28...	.22	.26	.04	.73	.017	.07	E.005	.011	.028	01	9
28...	--	--	<.010	<.016	<.002	<.02	<.006	--	--	02	Q
DEC 16...	.28	.20	.04	.68	.013	.06	<.006	.009	.030	01	9
JAN 2005											
06...	.27	1.3	.05	.98	E.006	1.04	E.004	.009	.29	01	9
31...	.28	.34	.17	.82	.026	.04	<.006	E.003	.018	01	9
APR 26...	.19	.29	.05	.67	.014	.16	<.006	.005	.031	01	9
26...	.18	.28	.05	.67	.013	.16	<.006	.004	.031	02	R
MAY 16...	.20	.32	.06	.79	.016	.15	E.004	.009	.035	01	9
26...	--	.24	--	--	--	.09	--	--	.020	01	9
JUN 08...	.26	.29	<.04	.87	.017	.13	<.006	.010	.035	01	9
08...	--	--	--	--	--	--	--	--	--	02	S
30...	.29	.41	.09	1.05	.024	.13	.015	.024	.060	01	9
JUL 27...	.17	.31	<.04	.78	.009	.09	<.006	.007	.041	01	9
AUG 01...	.18	.31	<.04	.74	.013	.12	<.006	.005	.035	01	9
SEP 01...	.36	.44	.13	1.02	.019	.21	.017	.030	.043	01	9
01...	.34	.39	.13	1.03	.018	.25	.020	.030	.054	02	R

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Arsenic water, fltrd, µg/L (01000)	Boron, water, fltrd, µg/L (01020)	Iron, water, fltrd, µg/L (01046)	Lithium, water, fltrd, µg/L (01130)	Selenium, water, fltrd, µg/L (01145)	Data base number	Medium code
OCT 2004											
28...	.5	<.1	.5	2.1	.3	40	27	9.4	E.3	01	9
28...	<.1	<.1	<.1	E.3	<.2	<8	<6	<.6	<.4	02	Q
DEC 16...	.7	<.1	.6	1.8	.3	15	30	4.0	E.2	01	9
JAN 2005											
06...	13.6	.4	13.2	2.5	.4	28	45	3.1	E.3	01	9
31...	.3	<.1	.3	1.4	E.2	27	62	9.2	<.4	01	9
APR 26...	1.4	<.1	1.3	1.8	.3	34	31	7.5	.5	01	9
26...	1.2	<.1	1.2	1.8	.4	32	35	7.4	.5	02	R
MAY 16...	.9	<.1	.9	1.8	.3	39	23	8.8	E.3	01	9
26...	.6	<.1	.6	1.6	.3	41	28	5.9	.9	01	9
JUN 08...	.8	<.1	.8	1.8	.4	37	<6	8.5	E.4	01	9
08...	--	--	--	--	--	--	--	--	--	02	S
30...	.9	<.1	.9	2.0	.5	65	E4	11.8	.6	01	9
JUL 27...	.5	<.1	.5	2.2	.5	54	<6	10.8	.6	01	9
AUG 01...	.8	<.1	.8	1.8	.4	65	E5	11.1	E.4	01	9
SEP 01...	1.2	<.1	1.2	2.0	.5	68	E6	10.3	.52	01	9
01...	1.5	<.1	1.4	2.0	.5	73	E6	10.3	.52	02	R

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued

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

Date	Pheo- phytin a, phyto- plank- ton, µg/L (62360)	Chloro- phyll a phyto- plank- ton, fluoro, µg/L (70953)	Stront- ium, water, fltrd, µg/L (01080)	Vanad- ium, water, fltrd, µg/L (01085)	Data base number	Medium code
OCT 2004						
28...	1.5	2.1	245	E.1	01	9
28...	<.2	<.2	<.40	<.1	02	Q
DEC						
16...	1.3	1.3	98.1	<.1	01	9
JAN 2005						
06...	10.0	9.8	111	.2	01	9
31...	6.0	13.4	166	<.1	01	9
APR						
26...	3.4	6.6	218	<.1	01	9
26...	3.5	6.1	217	<.1	02	R
MAY						
16...	2.9	6.8	182	E.1	01	9
26...	2.4	4.3	177	<.1	01	9
JUN						
08...	4.0	8.6	231	E.1	01	9
08...	--	--	--	--	02	S
30...	3.0	3.1	294	E.1	01	9
JUL						
27...	3.1	6.9	316	.2	01	9
AUG						
01...	4.7	10.8	276	.2	01	9
SEP						
01...	3.1	4.3	313	.3	01	9
01...	2.9	4.1	328	.3	02	R

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued

REMARKS.--The following data are for analytes from the National Water Quality Laboratory (NWQL) schedule 2001-pesticides in filtered water. Samples are filtered through a glass-fiber membrane filter with openings that are 0.7 microns in size to remove sediment and microorganisms. The filtered samples are then sent to the NWQL where they are analyzed by gas chromatography/mass spectrometric detector.

A field-matrix spike containing the series of organic compounds used in the analytical schedule was added to the replicate sample collected on June 8 at 0933. The spike concentration was .100 µg/L. Data from the spiked sample can be used to determine extraction and elution recoveries from the filtered water and to evaluate the accuracy and precision of the results.

The method detection limit (MDL) provides an index to indicate where measurement uncertainty is increased. When an analyte is detected and all criteria for a positive result are met, the concentration is reported. If the concentration is less than the MDL, an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the NWQL will identify the result with an 'E' code even though the measured value is greater than the MDL. A value reported with an 'E' code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less-than sign (<). The abbreviations SRG, SURROGT, or SURROG indicate surrogate and recovery is reported in percent.

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

Date	Time	Medium code	2,6-Di-ethyl-aniline water fltrd 0.7µ GF µg/L (82660)	Aceto-chlor, water, fltrd µg/L (49260)	Ala-chlor, water, fltrd µg/L (46342)	alpha-HCH, water, fltrd µg/L (34253)	Atra-zine, water, fltrd µg/L (39632)	Ben-flur-alin, water, fltrd 0.7µ GF µg/L (82673)	Butyl-ate, water, fltrd µg/L (04028)	Data base number		
OCT 2004												
28...	0830	9	<.006	<.006	<.005	<.005	.014	<.010	<.004	01		
28...	0838	Q	<.006	<.006	<.005	<.005	<.007	<.010	<.004	02		
DEC												
16...	0945	9	<.006	<.006	<.005	<.005	<.007	<.010	<.004	01		
JAN 2005												
06...	1550	9	<.006	<.006	<.005	<.005	E.006	<.010	<.004	01		
31...	0940	9	<.006	<.006	<.005	<.005	E.004	<.010	<.004	01		
APR												
26...	0840	9	<.006	<.006	<.005	<.005	.011	<.010	<.004	01		
26...	0850	R	<.006	<.006	<.005	<.005	.012	<.010	<.004	02		
MAY												
16...	0900	9	<.006	<.006	<.005	<.005	.017	<.010	<.004	01		
26...	0950	9	<.006	<.006	<.005	<.005	.032	<.010	<.004	01		
JUN												
08...	0930	9	<.006	<.006	<.005	<.005	.035	<.010	<.004	01		
08...	0933	S	.090	.122	.119	.094	.132	.077	.104	02		
30...	0915	9	<.006	<.006	<.005	<.005	.052	<.010	<.004	01		
JUL												
27...	0830	9	<.006	<.006	<.005	<.005	.022	<.010	<.004	01		
AUG												
01...	0815	9	<.006	<.006	<.005	<.005	.020	<.010	<.004	01		
SEP												
01...	0815	9	<.006	<.006	<.005	<.005	.020	<.010	<.004	01		
01...	0825	R	<.006	<.006	<.005	<.005	.019	<.010	<.004	02		
Date	CIAT, water, fltrd µg/L (04040)	Car-baryl, water, fltrd 0.7µ GF µg/L (82680)	Carbo-furan, water, fltrd 0.7µ GF µg/L (82674)	Chlor-pyrifos, water, fltrd µg/L (38933)	Cyana-zine, water, fltrd µg/L (04041)	DCPA, water fltrd 0.7µ GF µg/L (82682)	Diazi-non, water, fltrd µg/L (39572)	Diazi-non-d10 surrog. wat flt 0.7µ GF percent recovery (91063)	Diel-drin, water, fltrd µg/L (39381)	Disul-foton, water, fltrd 0.7µ GF µg/L (82677)	Data base number	Medium code
OCT 2004												
28...	E.007	E.008	<.020	<.005	<.018	<.003	<.005	111	<.009	<.02	01	9
28...	<.006	<.041	<.020	<.005	<.018	<.003	<.005	128	<.075	<.02	02	Q
DEC												
16...	<.006	<.041	<.020	<.005	<.018	<.003	<.005	100	<.009	<.02	01	9
JAN 2005												
06...	<.006	<.041	<.020	<.005	<.018	<.003	<.005	110	<.009	<.02	01	9
31...	E.003	<.041	<.020	<.005	<.018	<.003	<.005	115	<.009	<.02	01	9
APR												
26...	<.006	<.041	<.020	<.005	<.018	<.003	<.005	109	<.009	<.02	01	9
26...	<.006	<.041	<.020	<.005	<.018	<.003	<.005	110	<.009	<.02	02	R
MAY												
16...	<.006	<.041	<.020	<.005	<.018	<.003	<.005	91.6	<.009	<.02	01	9
26...	E.005	<.041	<.020	<.005	<.018	<.003	<.005	110	<.009	<.02	01	9
JUN												
08...	E.005	<.041	<.020	<.005	<.018	<.003	<.005	113	<.009	<.02	01	9
08...	E.027	E.127	E.096	.105	.083	.117	.098	104	.098	.05	02	S
30...	E.007	<.041	<.020	<.005	<.018	<.003	<.005	114	<.009	<.02	01	9
JUL												
27...	<.006	<.041	<.020	<.005	<.018	<.003	<.005	96.5	<.009	<.02	01	9
AUG												
01...	E.003	E.001	<.020	<.005	<.018	<.003	<.005	108	<.009	<.02	01	9
SEP												
01...	<.006	<.041	<.020	<.005	<.018	<.003	<.008	108	<.009	<.02	01	9
01...	<.006	<.041	<.020	<.005	<.018	<.003	<.008	94.5	<.009	<.02	02	R

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued

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

Date	alpha-HCH-d6, surrog, wat flt 0.7µ GF percent recovery (91065)	Azin-phos-methyl, water, fltrd 0.7µ GF µg/L (82686)	EPTC, water, fltrd 0.7µ GF µg/L (82668)	Ethal-flur-alin, water, fltrd 0.7µ GF µg/L (82663)	Etho-prop, water, fltrd 0.7µ GF µg/L (82672)	Fonofos water, fltrd, µg/L (04095)	Lindane water, fltrd, µg/L (39341)	Linuron water fltrd 0.7µ GF µg/L (82666)	Mala-thion, water, fltrd, µg/L (39532)	Methyl para-thion, water, fltrd 0.7µ GF µg/L (82667)	Data base number	Medium code
OCT 2004												
28...	101	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
28...	102	<.050	<.040	<.009	<.005	<.003	<.004	<.035	<.027	<.015	02	Q
DEC 16...	98.4	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
JAN 2005												
06...	89.6	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
31...	101	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
APR 26...	88.5	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
26...	87.1	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	02	R
MAY 16...	103	<.050	<.005	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
26...	89.0	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
JUN 08...	104	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
08...	96.7	E.151	.097	.084	.099	.102	.098	.102	.118	.103	02	S
30...	102	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
JUL 27...	90.0	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
AUG 01...	98.5	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
SEP 01...	84.9	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	01	9
01...	82.0	<.050	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	02	R

Date	cis-Per-methrin water fltrd 0.7µ GF µg/L (82687)	Metola-chlor, water, fltrd, µg/L (39415)	Metri-buzin, water, fltrd, µg/L (82630)	Moli-nate, water, fltrd 0.7µ GF µg/L (82671)	Naprop-amide, water, fltrd 0.7µ GF µg/L (82684)	p,p'-DDE, water, fltrd, µg/L (34653)	Para-thion, water, fltrd, µg/L (39542)	Peb-ulate, water, fltrd 0.7µ GF µg/L (82669)	Pendi-meth-alin, water, fltrd 0.7µ GF µg/L (82683)	Phorate water fltrd 0.7µ GF µg/L (82664)	Data base number	Medium code
OCT 2004												
28...	<.006	.007	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
28...	<.006	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	02	Q
DEC 16...	<.006	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
JAN 2005												
06...	<.006	E.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
31...	<.006	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
APR 26...	<.006	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
26...	<.006	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	02	R
MAY 16...	<.006	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
26...	<.006	.009	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
JUN 08...	<.006	.011	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
08...	.035	.128	.076	.099	.119	.036	.085	.102	.080	.056	02	S
30...	<.006	.019	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
JUL 27...	<.006	E.007	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
AUG 01...	<.006	E.005	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
SEP 01...	<.006	E.005	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	01	9
01...	<.006	E.005	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	02	R

OHIO RIVER MAIN STEM

03086000 OHIO RIVER AT SEWICKLEY, PA--Continued

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

Date	Prometon, water, fltrd, µg/L (04037)	Propyzamide, water, fltrd, 0.7µ GF µg/L (82676)	Propachlor, water, fltrd, µg/L (04024)	Propanil, water, fltrd, 0.7µ GF µg/L (82679)	Propargite, water, fltrd, 0.7µ GF µg/L (82685)	Simazine, water, fltrd, µg/L (04035)	Tebu-thiuron, water, fltrd, 0.7µ GF µg/L (82670)	Terbacil, water, fltrd, 0.7µ GF µg/L (82665)	Terbufos, water, fltrd, 0.7µ GF µg/L (82675)	Thio-bencarb, water, fltrd, 0.7µ GF µg/L (82681)	Data base number	Medium code
OCT 2004												
28...	E.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	01	9
28...	<.10	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	02	Q
DEC												
16...	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	01	9
JAN 2005												
06...	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.040	<.02	<.010	01	9
31...	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	01	9
APR												
26...	<.01	<.004	<.025	<.011	<.02	<.006	<.02	<.034	<.02	<.010	01	9
26...	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	02	R
MAY												
16...	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	01	9
26...	E.01	<.004	<.025	<.011	<.02	.006	<.02	<.034	<.02	<.010	01	9
JUN												
08...	.01	<.004	<.025	<.011	<.02	.005	<.02	<.034	<.02	<.010	01	9
08...	.11	.099	.121	.127	E.14	.093	.10	E.063	.08	.111	02	S
30...	E.01	<.004	<.025	<.011	<.02	E.003	<.02	<.034	<.02	<.010	01	9
JUL												
27...	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	01	9
AUG												
01...	E.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	01	9
SEP												
01...	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	01	9
01...	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	02	R

Date	Thio-bencarb, water, fltrd, 0.7µ GF µg/L (82681)	Tri-flur-alin, water, fltrd, 0.7µ GF µg/L (82661)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Data base number	Medium code
OCT 2004					
28...	<.010	<.009	6	01	9
28...	<.010	<.009	--	02	Q
DEC					
16...	<.010	<.009	10	01	9
JAN 2005					
06...	<.010	<.009	392	01	9
31...	<.010	<.009	6	01	9
APR					
26...	<.010	<.009	11	01	9
26...	<.010	<.009	10	02	R
MAY					
16...	<.010	<.009	5	01	9
26...	<.010	<.009	5	01	9
JUN					
08...	<.010	<.009	4	01	9
08...	.111	.081	--	02	S
30...	<.010	<.009	3	01	9
JUL					
27...	<.010	<.009	8	01	9
AUG					
01...	<.010	<.009	4	01	9
SEP					
01...	<.010	<.009	--	01	9
01...	<.010	<.009	--	02	R