

MONONGAHELA RIVER BASIN

03085000 MONONGAHELA RIVER AT BRADDOCK, PA
(Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1958 to September 1993. September 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1973 to October 1975.

WATER TEMPERATURE: January 1973 to September 1979, November 1996 to September 1998.

SUSPENDED SEDIMENT DISCHARGE: January 1973 to September 1979.

REMARKS.--Other data for the Water-Quality Network can be found on pages 276-323.

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, µS/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, µS/cm 25 degC (00095)	Temperature, 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 10...	1330	1028	9813	10350	10.0	7.4	7.7	274	273	12.5	94	26.0	7.0
JAN 2005 19...	1320	1028	9813	22100	13.0	7.9	7.0	332	342	4.0	100	29.6	7.5
MAR 10...	1330	1028	9813	32200	13.2	7.1	7.6	292	289	3.8	94	26.3	6.9
MAY 05...	1400	1028	9813	9060	10.5	7.4	7.6	266	272	13.0	90	24.5	7.0
JUL 14...	1340	1028	9813	2710	8.5	7.5	7.4	491	516	29.0	150	39.8	11.4
SEP 15...	1330	1028	9813	2290	8.9	7.9	8.0	415	440	27.0	120	33.2	9.1

Date	ANC, wat unfltrd 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 flt 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, µg/L (01105)
NOV 2004 10...	42	<.2	65.7	172	32	.050	.58	<.040	.02	.056	.86	2.0	470
JAN 2005 19...	34	.3	75.0	218	28	.120	.93	<.040	.03	.052	1.3	1.6	1600
MAR 10...	35	<.2	62.6	178	48	.090	.82	<.040	<.01	.046	1.3	1.6	2100
MAY 05...	31	<.2	74.9	186	8	.100	.62	<.040	.01	.015	.79	--	330
JUL 14...	47	<.2	142	374	14	.020	1.04	<.040	.02	.024	1.2	--	<200
SEP 15...	38	.2	112	300	<2	.020	1.09	<.040	.02	.038	1.3	--	<200

Date	Copper, water, unfltrd recover -able, µg/L (01042)	Cyanide, amenable to chlorination, wat unfltrd mg/L (00722)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, unfltrd recover -able, µg/L (01051)	Manganese, water, unfltrd recover -able, µg/L (01055)	Nickel, water, unfltrd recover -able, µg/L (01067)	Zinc, water, unfltrd recover -able, µg/L (01092)	Phenolic compounds, water, unfltrd µg/L (32730)
NOV 2004 10...	<10	<1.00	1120	2.6	140	<50	50	<5
JAN 2005 19...	<10	<1.00	2040	1.8	220	<50	30	<5
MAR 10...	<10	<1.00	2800	2.1	190	<50	30	<5
MAY 05...	<10	<1.00	660	<1.0	120	<50	<10	<5
JUL 14...	<10	<1.00	260	<1.0	90	<50	10	<5
SEP 15...	<10	<1.00	220	<1.0	50	<50	<10	<5

MONONGAHELA RIVER BASIN

03085000 MONONGAHELA RIVER AT BRADDOCK, 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	2
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Physidae	
Physa	3
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Tubificida	
Naididae	178
Arthropoda	
Crustacea	
Amphipoda (SCUDS)	
Gammaridae	
Gammarus	13
Insecta	
Ephemeroptera (MAYFLIES)	
Heptageniidae	
Stenonema	1
Tricorythidae	
Tricorythodes	4
Odonata (DRAGONFLIES AND DAMSELFLIES)	
Coenagrionidae	
Argia	2
Plecoptera (STONEFLIES)	
Taeniopterygidae	
Taeniopteryx	1
Trichoptera (CADDISFLIES)	
Hydropsychidae	
Cheumatopsyche	1
Diplectrona	1
Hydropsyche	2
Hydroptilidae	
Hydroptila	20
Polycentropodidae	
Neureclipsis	3
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	328
Empididae (DANCE FLIES)	
Hemerodromia	3
Total Organisms	562
Total Taxa	15