

MONONGAHELA RIVER BASIN

03077500 YOUGHIOGHENY RIVER AT YOUGHIOGHENY RIVER DAM, PA

LOCATION.--Lat 39°47'56", long 79°22'06", Somerset County, 250 ft below the face of Youghiogheny Dam, 1 mi upstream from mouth of Casselman River.

DRAINAGE AREA.--434 mi².

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 2005 to current year.

pH: August 2005 to current year.

WATER TEMPERATURE: August 2005 to current year.

DISSOLVED OXYGEN: August 2005 to current year.

INSTRUMENTATION.--Automated sampler interfaced with a data collection platform with 60-minute recording interval. Satellite telemetry at station.

REMARKS.--Specific conductance, pH, and water temperature record rated fair except for period Aug. 17-31, which is poor. Dissolved oxygen record rated poor. Other interruptions in the record were due to malfunctions of the equipment.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	117	115	115
2	---	---	---	---	---	---	---	---	---	117	116	117
3	---	---	---	---	---	---	---	---	---	117	116	117
4	---	---	---	---	---	---	---	---	---	118	117	118
5	---	---	---	---	---	---	---	---	---	120	118	118
6	---	---	---	---	---	---	---	---	---	120	119	119
7	---	---	---	---	---	---	---	---	---	120	120	120
8	---	---	---	---	---	---	---	---	---	120	119	120
9	---	---	---	---	---	---	---	---	---	121	119	120
10	---	---	---	---	---	---	---	---	---	122	120	121
11	---	---	---	---	---	---	---	---	---	125	122	123
12	---	---	---	---	---	---	---	---	---	127	124	126
13	---	---	---	---	---	---	---	---	---	136	125	126
14	---	---	---	---	---	---	---	---	---	125	123	124
15	---	---	---	---	---	---	---	---	---	127	124	125
16	---	---	---	---	---	---	---	---	---	127	124	125
17	---	---	---	---	---	---	121	109	114	125	123	124
18	---	---	---	---	---	---	111	109	110	126	123	124
19	---	---	---	---	---	---	111	109	110	126	123	124
20	---	---	---	---	---	---	116	110	111	136	124	128
21	---	---	---	---	---	---	113	111	112	127	124	125
22	---	---	---	---	---	---	112	111	112	127	124	126
23	---	---	---	---	---	---	114	112	113	128	124	126
24	---	---	---	---	---	---	114	112	114	128	124	126
25	---	---	---	---	---	---	116	113	115	129	127	128
26	---	---	---	---	---	---	118	115	116	130	127	129
27	---	---	---	---	---	---	117	115	116	130	127	128
28	---	---	---	---	---	---	118	115	117	129	127	128
29	---	---	---	---	---	---	119	117	118	131	128	129
30	---	---	---	---	---	---	123	117	118	130	128	129
31	---	---	---	---	---	---	119	115	117	---	---	---
MONTH	---	---	---	---	---	---	123	109	114	136	115	124

MONONGAHELA RIVER BASIN

03077500 YOUGHIOGHENY RIVER AT YOUGHIOGHENY RIVER DAM, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	---	---	---	---	---	---	---	---	---	6.4	6.4	6.4
2	---	---	---	---	---	---	---	---	---	6.4	6.3	6.4
3	---	---	---	---	---	---	---	---	---	6.4	6.4	6.4
4	---	---	---	---	---	---	---	---	---	6.4	6.3	6.4
5	---	---	---	---	---	---	---	---	---	6.4	6.3	6.3
6	---	---	---	---	---	---	---	---	---	6.3	6.3	6.3
7	---	---	---	---	---	---	---	---	---	6.4	6.3	6.3
8	---	---	---	---	---	---	---	---	---	6.4	6.3	6.4
9	---	---	---	---	---	---	---	---	---	6.4	6.3	6.4
10	---	---	---	---	---	---	---	---	---	6.4	6.4	6.4
11	---	---	---	---	---	---	---	---	---	6.4	6.4	6.4
12	---	---	---	---	---	---	---	---	---	6.4	6.3	6.4
13	---	---	---	---	---	---	---	---	---	6.4	6.2	6.4
14	---	---	---	---	---	---	---	---	---	6.4	6.4	6.4
15	---	---	---	---	---	---	---	---	---	6.4	6.3	6.4
16	---	---	---	---	---	---	---	---	---	6.4	6.3	6.3
17	---	---	---	---	---	---	7.0	6.5	6.7	6.4	6.3	6.3
18	---	---	---	---	---	---	7.2	6.2	7.0	6.3	6.3	6.3
19	---	---	---	---	---	---	6.5	6.2	6.4	6.3	6.3	6.3
20	---	---	---	---	---	---	6.2	6.0	6.2	6.7	6.3	6.3
21	---	---	---	---	---	---	6.1	5.9	6.0	6.4	6.3	6.4
22	---	---	---	---	---	---	6.3	6.0	6.2	6.4	6.3	6.3
23	---	---	---	---	---	---	6.4	5.9	6.2	6.4	6.3	6.3
24	---	---	---	---	---	---	6.0	5.8	5.9	6.3	6.3	6.3
25	---	---	---	---	---	---	6.2	6.0	6.2	6.3	6.2	6.3
26	---	---	---	---	---	---	6.2	6.2	6.2	6.3	6.3	6.3
27	---	---	---	---	---	---	6.2	6.2	6.2	6.3	6.3	6.3
28	---	---	---	---	---	---	6.2	6.2	6.2	6.3	6.3	6.3
29	---	---	---	---	---	---	6.2	6.2	6.2	6.3	6.2	6.3
30	---	---	---	---	---	---	6.2	6.2	6.2	6.3	6.2	6.3
31	---	---	---	---	---	---	6.4	6.2	6.4	---	---	---
MAX	---	---	---	---	---	---	7.2	6.5	7.0	6.7	6.4	6.4
MIN	---	---	---	---	---	---	6.0	5.8	5.9	6.3	6.2	6.3

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	18.0	17.1	17.6
2	---	---	---	---	---	---	---	---	---	18.6	17.4	17.9
3	---	---	---	---	---	---	---	---	---	18.6	17.9	18.3
4	---	---	---	---	---	---	---	---	---	18.8	18.1	18.6
5	---	---	---	---	---	---	---	---	---	18.9	18.3	18.6
6	---	---	---	---	---	---	---	---	---	18.8	18.4	18.6
7	---	---	---	---	---	---	---	---	---	19.0	18.5	18.7
8	---	---	---	---	---	---	---	---	---	19.1	18.6	18.9
9	---	---	---	---	---	---	---	---	---	19.6	18.5	19.2
10	---	---	---	---	---	---	---	---	---	19.6	19.2	19.4
11	---	---	---	---	---	---	---	---	---	19.7	19.1	19.5
12	---	---	---	---	---	---	---	---	---	19.7	19.3	19.5
13	---	---	---	---	---	---	---	---	---	19.9	19.3	19.6
14	---	---	---	---	---	---	---	---	---	20.1	19.5	19.8
15	---	---	---	---	---	---	---	---	---	20.0	19.3	19.6
16	---	---	---	---	---	---	---	---	---	20.6	19.1	20.0
17	---	---	---	---	---	---	14.9	14.5	14.7	20.8	20.1	20.5
18	---	---	---	---	---	---	15.3	14.5	15.0	20.7	20.2	20.5
19	---	---	---	---	---	---	15.7	14.8	15.2	20.7	20.1	20.5
20	---	---	---	---	---	---	16.1	15.4	15.8	20.9	20.0	20.5
21	---	---	---	---	---	---	16.2	15.4	15.8	20.9	20.5	20.7
22	---	---	---	---	---	---	16.1	15.2	15.7	21.2	20.6	20.9
23	---	---	---	---	---	---	16.4	15.4	16.0	21.1	20.7	21.0
24	---	---	---	---	---	---	17.1	16.0	16.7	21.2	20.9	21.1
25	---	---	---	---	---	---	17.1	16.8	17.0	21.3	21.0	21.1
26	---	---	---	---	---	---	17.1	16.4	16.8	21.2	20.9	21.1
27	---	---	---	---	---	---	16.8	16.6	16.7	21.2	20.9	21.1
28	---	---	---	---	---	---	17.1	16.6	16.9	21.3	20.9	21.1
29	---	---	---	---	---	---	17.3	16.7	17.0	21.2	20.9	21.1
30	---	---	---	---	---	---	17.5	17.0	17.3	21.0	20.6	20.8
31	---	---	---	---	---	---	18.1	17.1	17.5	---	---	---
MONTH	---	---	---	---	---	---	18.1	14.5	16.3	21.3	17.1	19.9

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OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	7.8	7.2	7.4
4	---	---	---	---	---	---	---	---	---	7.7	7.2	7.5
5	---	---	---	---	---	---	---	---	---	7.4	6.6	7.1
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	8.0	7.3	7.7
11	---	---	---	---	---	---	---	---	---	8.3	7.6	8.0
12	---	---	---	---	---	---	---	---	---	8.1	7.4	7.8
13	---	---	---	---	---	---	---	---	---	7.6	6.8	7.2
14	---	---	---	---	---	---	---	---	---	7.7	7.2	7.5
15	---	---	---	---	---	---	---	---	---	8.1	7.3	7.7
16	---	---	---	---	---	---	---	---	---	8.2	7.3	7.8
17	---	---	---	---	---	---	---	---	---	8.2	7.4	7.8
18	---	---	---	---	---	---	---	---	---	8.2	7.5	7.8
19	---	---	---	---	---	---	---	---	---	8.5	7.2	7.9
20	---	---	---	---	---	---	---	---	---	8.9	7.1	8.1
21	---	---	---	---	---	---	---	---	---	8.7	8.3	8.6
22	---	---	---	---	---	---	---	---	---	8.9	8.0	8.5
23	---	---	---	---	---	---	---	---	---	8.9	7.2	8.4
24	---	---	---	---	---	---	---	---	---	9.1	8.5	8.9
25	---	---	---	---	---	---	---	---	---	9.0	8.0	8.5
26	---	---	---	---	---	---	---	---	---	9.1	7.7	8.3
27	---	---	---	---	---	---	---	---	---	9.0	7.4	8.4
28	---	---	---	---	---	---	---	---	---	9.6	8.5	9.1
29	---	---	---	---	---	---	8.7	5.3	6.8	9.3	7.9	8.6
30	---	---	---	---	---	---	---	---	---	9.4	5.2	7.8
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	8.7	5.3	6.8	9.6	5.2	8.0