

## OHIO RIVER BASIN

## 03108490 OHIO RIVER ABOVE MONTGOMERY DAM AND LOCKS AT OHIOVIEW, PA

**LOCATION.**--Lat 40°38'56", long 80°23'01", Beaver County, Hydrologic Unit 05030101, 50 yards upstream from outer most upper gate on river wall, at river mile 32.

**DRAINAGE AREA.**--21,714 mi<sup>2</sup>.

**PERIOD OF DAILY RECORD.**--

SPECIFIC CONDUCTANCE: June 2005 to current year.

pH: June 2005 to current year.

WATER TEMPERATURE: June 2005 to current year.

DISSOLVED OXYGEN: June 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 records rated fair except for periods June 1-4, 16-28, and Sept. 29, 30, which are 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	---	---	---	471	458	464	507	478	491	538	518	527
2	---	---	---	473	464	467	480	465	474	529	521	526
3	---	---	---	470	463	467	470	460	465	521	504	516
4	---	---	---	477	466	472	467	461	465	508	481	496
5	363	355	359	492	477	484	476	467	471	482	452	464
6	362	349	355	494	473	482	493	475	484	462	456	460
7	386	361	370	484	474	477	510	493	501	484	457	472
8	401	382	392	484	464	474	518	510	515	474	460	466
9	405	394	398	472	462	468	512	497	504	462	450	454
10	410	396	405	484	460	469	505	497	500	455	448	452
11	439	408	423	476	469	471	508	496	502	458	442	450
12	427	409	418	478	469	472	512	504	508	445	434	437
13	412	399	403	475	469	472	506	493	501	439	432	434
14	431	405	418	489	470	477	509	491	498	435	429	432
15	432	426	428	489	479	484	528	509	519	461	435	442
16	---	---	---	484	480	483	541	528	535	461	446	451
17	---	---	---	483	475	480	541	519	532	464	448	455
18	---	---	---	495	473	480	523	514	520	484	463	473
19	---	---	---	481	464	469	515	506	510	503	484	493
20	---	---	---	476	468	474	520	508	515	514	502	508
21	---	---	---	479	465	473	527	520	525	517	501	513
22	---	---	---	494	479	483	541	526	534	501	495	498
23	---	---	---	506	489	501	549	538	543	495	489	492
24	---	---	---	518	506	512	555	546	550	489	475	481
25	---	---	---	525	518	521	556	550	553	479	472	477
26	---	---	---	537	525	533	558	550	554	474	469	471
27	---	---	---	557	535	549	556	550	554	499	457	467
28	---	---	---	557	552	554	554	544	550	502	431	462
29	468	450	456	557	545	553	554	547	551	---	---	---
30	464	453	460	546	524	539	554	531	547	---	---	---
31	---	---	---	527	505	518	533	510	521	---	---	---
MONTH	468	349	407	557	458	491	558	460	516	538	429	474

## OHIO RIVER BASIN

## 03108490 OHIO RIVER ABOVE MONTGOMERY DAM AND LOCKS AT OHIOVIEW, 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	---	---	---	7.9	7.6	7.7	8.7	7.7	8.0	7.6	7.5	7.6
2	---	---	---	7.8	7.4	7.6	8.8	8.0	8.5	7.6	7.6	7.6
3	---	---	---	7.8	7.3	7.6	8.9	8.1	8.3	7.7	7.6	7.6
4	---	---	---	8.0	7.4	7.6	8.6	7.8	8.4	7.8	7.6	7.6
5	8.2	7.6	7.8	8.1	7.5	7.8	8.5	7.9	8.2	8.1	7.7	7.8
6	8.4	7.8	7.9	8.1	7.7	7.8	8.6	7.7	8.1	8.3	7.8	7.9
7	8.7	7.8	8.2	8.2	7.8	8.0	8.5	7.8	8.1	8.2	7.7	7.8
8	8.5	7.9	8.1	8.2	7.7	7.9	8.2	7.8	8.0	8.1	7.6	7.9
9	8.3	7.5	8.0	7.8	7.6	7.7	8.3	7.8	8.0	8.1	7.6	7.8
10	8.2	7.7	7.9	8.1	7.6	7.7	8.6	7.8	8.1	8.2	7.6	7.9
11	8.5	7.4	7.8	8.5	7.7	7.8	8.5	7.9	8.2	8.6	7.7	8.0
12	8.2	7.5	7.7	8.7	8.1	8.3	8.4	8.0	8.2	8.3	7.8	8.1
13	7.7	7.4	7.6	8.6	8.0	8.3	8.4	7.7	8.2	8.1	7.7	7.9
14	7.7	7.4	7.5	8.5	7.8	8.2	8.4	7.8	8.1	8.4	7.8	8.0
15	7.7	7.6	7.6	8.4	7.9	8.2	8.3	7.8	8.0	8.5	8.0	8.3
16	---	---	---	8.3	7.8	8.0	8.2	7.7	7.9	8.4	8.1	8.2
17	---	---	---	8.0	7.6	7.8	8.1	7.7	7.8	8.1	7.7	7.9
18	---	---	---	7.8	7.4	7.6	7.9	7.6	7.7	7.8	7.6	7.7
19	---	---	---	7.6	7.1	7.3	7.7	7.5	7.6	7.6	7.4	7.5
20	---	---	---	7.7	7.1	7.4	7.8	7.4	7.6	7.6	7.3	7.4
21	---	---	---	7.6	7.3	7.4	8.0	7.6	7.6	7.5	7.3	7.4
22	---	---	---	7.7	7.2	7.4	7.8	7.6	7.6	7.5	7.3	7.4
23	---	---	---	8.2	7.3	7.6	7.7	7.4	7.6	7.6	7.3	7.4
24	---	---	---	7.8	7.4	7.6	7.7	7.4	7.6	7.5	7.3	7.4
25	---	---	---	8.0	7.4	7.6	7.8	7.4	7.6	7.5	7.3	7.3
26	---	---	---	8.2	7.5	7.8	7.9	7.7	7.8	7.5	7.3	7.4
27	---	---	---	8.4	8.0	8.1	7.8	7.5	7.6	7.6	7.3	7.4
28	---	---	---	8.2	7.8	8.0	7.7	7.4	7.6	7.6	7.4	7.5
29	7.8	7.5	7.7	8.4	7.7	7.9	7.7	7.4	7.6	---	---	---
30	8.0	7.4	7.6	8.7	7.6	7.9	7.5	7.4	7.5	---	---	---
31	---	---	---	8.9	7.7	8.1	7.6	7.4	7.5	---	---	---
MAX	8.7	7.9	8.2	8.9	8.1	8.3	8.9	8.1	8.5	8.6	8.1	8.3
MIN	7.7	7.4	7.5	7.6	7.1	7.3	7.5	7.4	7.5	7.5	7.3	7.3

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	---	---	---	27.4	27.0	27.2	28.9	28.2	28.4	24.8	24.2	24.5
2	---	---	---	27.7	27.0	27.2	28.9	28.4	28.7	24.9	24.2	24.6
3	---	---	---	27.5	26.9	27.2	29.5	28.5	28.9	25.3	24.7	24.8
4	---	---	---	28.0	27.0	27.5	29.4	28.8	29.0	25.1	24.7	24.9
5	20.0	19.1	19.5	27.9	27.4	27.6	29.2	28.8	29.0	25.2	24.6	24.8
6	21.1	19.8	20.2	27.8	27.3	27.4	29.4	28.6	28.9	25.3	24.6	24.9
7	22.1	20.8	21.4	27.5	27.0	27.3	29.2	28.6	28.8	25.3	24.6	24.9
8	22.6	21.6	22.0	27.6	26.8	27.1	28.9	28.5	28.7	25.2	24.6	24.8
9	23.4	22.2	22.6	27.3	26.7	27.0	29.1	28.2	28.5	25.1	24.7	24.9
10	23.8	22.9	23.4	27.8	26.5	26.9	28.6	28.2	28.4	25.6	24.6	24.8
11	25.4	23.6	24.3	27.8	26.8	27.2	28.9	28.4	28.6	25.1	24.6	24.8
12	25.8	24.3	24.9	27.8	27.2	27.5	28.9	28.3	28.7	25.2	24.8	25.0
13	25.5	24.9	25.2	28.0	27.3	27.6	29.2	28.6	28.9	25.3	24.8	25.0
14	25.9	25.3	25.6	28.3	27.4	27.8	29.3	28.6	28.9	26.0	24.9	25.2
15	25.9	25.7	25.8	28.3	27.7	27.9	28.9	28.6	28.7	25.8	25.1	25.5
16	---	---	---	28.5	27.7	28.1	28.7	28.1	28.4	25.8	25.2	25.5
17	---	---	---	28.5	28.1	28.3	28.5	27.8	28.0	25.5	25.1	25.3
18	---	---	---	28.4	28.0	28.2	28.2	27.5	27.7	25.5	25.1	25.3
19	---	---	---	28.7	28.0	28.2	27.9	27.2	27.4	25.6	25.3	25.4
20	---	---	---	28.6	28.0	28.2	28.0	27.4	27.6	25.4	25.1	25.2
21	---	---	---	28.6	27.9	28.2	28.0	27.4	27.5	25.3	24.9	25.1
22	---	---	---	28.7	28.2	28.4	27.6	27.3	27.4	25.1	24.6	24.8
23	---	---	---	29.3	28.3	28.6	27.6	27.1	27.3	25.0	24.7	24.8
24	---	---	---	28.7	28.2	28.3	27.3	26.7	26.9	24.7	24.3	24.4
25	---	---	---	28.6	28.2	28.3	26.9	26.4	26.6	24.6	24.1	24.3
26	---	---	---	28.7	28.3	28.4	26.7	26.1	26.4	24.7	24.2	24.4
27	---	---	---	28.4	28.1	28.2	26.1	25.6	25.8	24.3	23.9	24.1
28	---	---	---	28.3	27.8	28.0	26.0	25.5	25.7	23.9	23.1	23.5
29	27.2	26.5	26.8	28.5	27.8	28.0	26.1	25.4	25.7	---	---	---
30	27.3	26.7	27.0	28.6	27.7	28.0	25.4	25.0	25.2	---	---	---
31	---	---	---	29.1	27.8	28.1	25.0	24.5	24.7	---	---	---
MONTH	27.3	19.1	23.7	29.3	26.5	27.8	29.5	24.5	27.7	26.0	23.1	24.8

## OHIO RIVER BASIN

## 03108490 OHIO RIVER ABOVE MONTGOMERY DAM AND LOCKS AT OHIOVIEW, PA--Continued

## 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	---	---	---	8.1	7.1	7.7	11.1	8.1	9.5	9.9	6.2	8.8
2	---	---	---	8.2	6.4	7.4	10.5	7.0	9.4	10.8	9.2	10.1
3	---	---	---	8.7	5.7	7.5	11.3	8.0	9.3	11.2	9.5	10.4
4	---	---	---	9.8	7.2	8.3	9.1	7.3	8.2	11.9	10.3	10.9
5	11.2	10.4	10.8	9.4	7.4	8.5	7.7	6.2	6.9	12.8	10.2	11.5
6	11.3	10.5	10.8	8.7	8.0	8.4	7.6	5.5	6.5	13.6	10.7	11.8
7	11.3	10.2	10.9	8.7	7.3	8.0	7.4	5.1	6.3	13.5	10.7	12.1
8	10.9	10.0	10.4	9.3	7.3	8.1	7.2	5.1	6.3	13.7	10.6	12.4
9	10.1	9.2	9.7	8.6	7.2	8.1	7.5	6.0	6.8	---	---	---
10	9.8	8.9	9.4	10.4	7.8	8.6	8.4	6.2	7.3	---	---	---
11	9.5	8.6	8.9	11.2	8.1	9.3	8.3	6.2	7.4	---	---	---
12	9.1	8.0	8.4	11.5	9.6	10.4	8.5	5.2	7.3	---	---	---
13	8.3	7.6	8.0	11.1	9.0	9.9	8.5	5.2	6.8	---	---	---
14	---	---	---	10.6	8.6	9.5	8.7	5.6	7.1	---	---	---
15	---	---	---	9.5	7.7	8.5	8.9	5.5	7.1	8.9	7.5	8.4
16	---	---	---	9.3	7.8	8.5	---	---	---	8.6	6.9	7.8
17	---	---	---	9.2	8.2	8.6	---	---	---	7.7	6.1	7.0
18	---	---	---	8.8	8.0	8.4	7.4	6.5	6.9	6.8	5.7	6.4
19	---	---	---	9.2	7.9	8.4	7.0	6.3	6.6	6.5	5.2	6.2
20	---	---	---	8.8	7.8	8.2	7.4	5.9	6.8	6.8	5.3	6.1
21	---	---	---	8.7	6.8	7.8	7.6	6.4	7.0	7.4	5.7	6.6
22	---	---	---	9.1	7.3	8.0	8.2	6.4	7.4	7.4	5.4	6.8
23	---	---	---	9.7	6.9	7.9	8.3	5.5	7.0	7.6	5.5	6.7
24	---	---	---	8.9	7.2	8.2	8.5	5.4	7.5	7.6	5.5	6.9
25	---	---	---	9.7	7.2	8.5	9.4	5.3	7.7	7.8	5.9	6.9
26	---	---	---	10.2	8.4	9.3	9.4	6.0	8.6	7.7	6.3	6.9
27	---	---	---	10.2	8.8	9.5	9.1	6.8	7.9	8.1	6.3	7.3
28	---	---	---	10.3	8.7	9.3	9.4	5.8	7.8	7.9	6.7	7.4
29	---	---	---	10.6	8.3	9.2	9.1	6.3	8.0	---	---	---
30	---	---	---	11.3	7.9	9.6	8.8	6.5	7.8	---	---	---
31	---	---	---	11.4	7.5	9.5	9.7	8.0	8.9	---	---	---
MONTH	11.3	7.6	9.7	11.5	5.7	8.6	11.3	5.1	7.5	13.7	5.2	8.4