



2005 Water Year
YOUGHIOGHENY RIVER BASIN
03083500 Youghiogheny River at Sutersville, PA

Latitude: 40° 14' 24"

Longitude: 079° 48' 24"

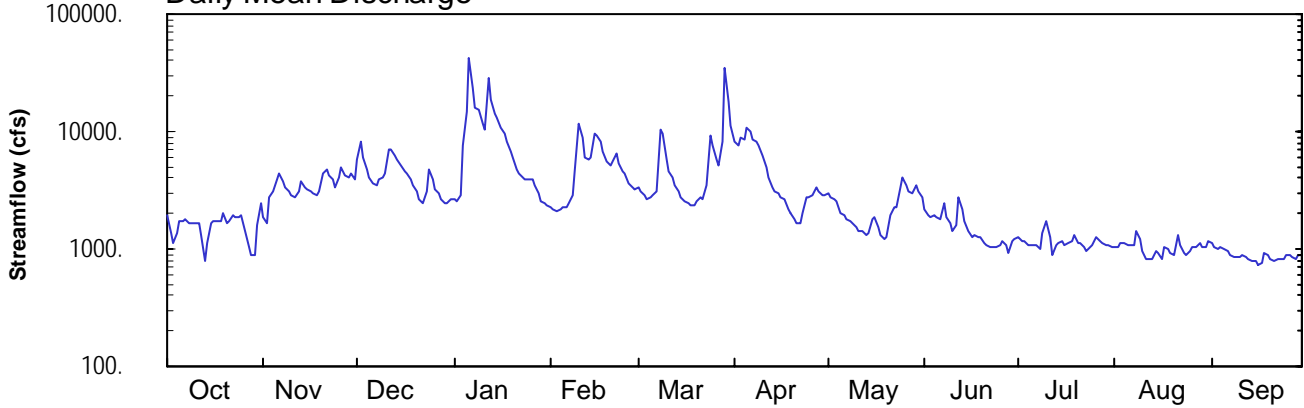
Hydrologic Unit Code: 05020006

Allegheny County

Datum: 733.36 feet

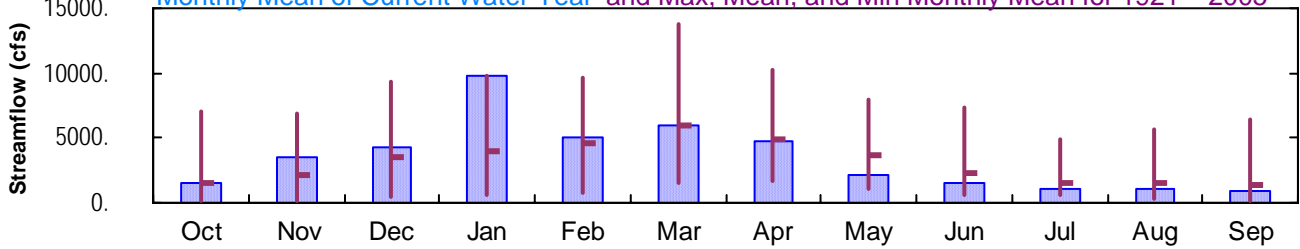
Drainage Area: 1715. mi²

Daily Mean Discharge

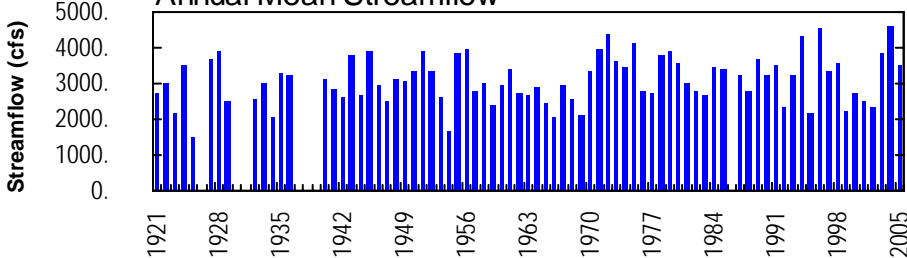


Monthly Statistics

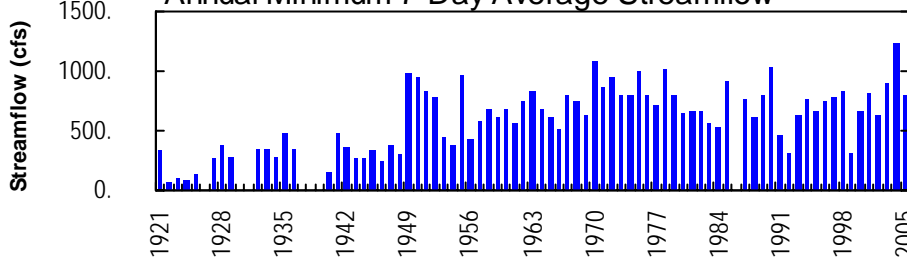
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1921 – 2005



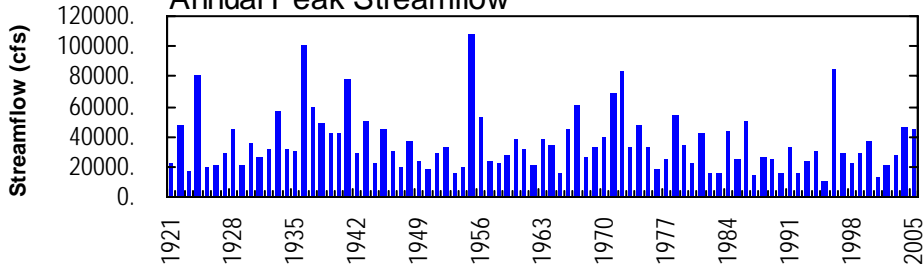
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



YOUGHIOGHENY RIVER BASIN

**03083500 YOUGHIOGHENY RIVER AT SUTERSVILLE, PA
(Pennsylvania Water-Quality Network Station)**

LOCATION.--Lat 40°14'24", long 79°48'24", Allegheny County, Hydrologic Unit 05020006, on left bank 500 ft upstream from highway bridge at Sutersville, 2.1 mi downstream from Sewickley Creek, at mile 15.2.

DRAINAGE AREA.--1,715 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1920 to current year. Monthly discharge for 1926, 1930, part of 1931, 1937, 1938, and part of 1939, published in WSP 1305.

REVISED RECORDS.--WSP 743: Drainage area. WSP 1305: 1924, 1926 (M), 1931 (M). WSP 1435: 1935-36.

GAGE.--Water-stage recorder. Datum of gage is 733.36 ft above National Geodetic Vertical Datum of 1929. Prior to June 1, 1939, nonrecording gage at site 500 ft downstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since January 1925 by Deep Creek Reservoir (station 03076000), since December 1942 by Youghiogheny River Lake (station 03077000) 58 mi upstream, and by several smaller reservoirs above station. Several measurements of water temperature were made during the year. U.S. Army Corps of Engineers 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	1950	1900	5730	2600	2230	3350	8390	2920	2210	1240	1040	1110
2	1370	1680	8340	2510	2150	3150	7520	2800	1910	1160	1020	1060
3	1130	2770	5940	2880	2140	2860	8970	2680	1870	1160	1110	1010
4	1380	3130	4780	7730	2180	2660	8640	2560	1960	1080	1120	1030
5	1700	3920	4100	14600	2230	2730	10800	2050	1840	1060	1100	996
6	1750	4360	3650	41800	2260	2870	9890	1970	1780	1090	1080	961
7	1780	3710	3500	24000	2480	3060	8640	1770	2460	1070	1080	874
8	1690	3380	3980	15900	2870	10600	8380	1720	1850	1010	1420	853
9	1660	3110	4030	15200	4650	9470	7510	1640	1640	1360	1210	849
10	1640	2910	4390	11900	11800	5690	6150	1540	1430	1740	948	861
11	1630	2770	7110	10400	9030	4610	4900	1390	1620	1250	833	899
12	1320	3060	7120	28500	6140	4050	4130	1400	2740	904	810	867
13	800	3780	6330	18800	5870	3520	3390	1330	2220	1070	817	832
14	1110	3310	5820	14000	5990	3070	3150	1370	1700	1120	979	780
15	1680	3200	5110	13300	9610	2750	2980	1830	1420	1170	925	779
16	1700	3070	4650	10700	9290	2530	2800	1900	1240	1090	816	743
17	1710	2980	4420	9470	8160	2410	2670	1540	1320	1130	1050	758
18	1740	2920	3950	8260	6720	2320	2220	1330	1270	1160	1010	912
19	2000	3090	3520	6870	5580	2370	2020	1230	1240	1300	923	885
20	1670	4390	3040	5990	5060	2550	1800	1260	1140	1120	900	813
21	1740	4780	2640	4820	5540	2730	1680	1920	1080	1130	1310	784
22	1960	4170	2410	4350	6420	2640	1650	2260	1050	1030	1070	815
23	1880	3870	3080	4090	5310	3510	2020	2240	1030	969	908	814
24	1830	3370	4810	3950	4660	9250	2730	3350	1030	1050	880	834
25	1960	4030	3990	3980	4380	7480	2710	4010	1080	1090	957	900
26	1410	4880	3260	3910	3670	5690	2820	3470	1160	1280	1040	899
27	1020	4220	2940	3460	3340	5220	3300	3050	1080	1180	1040	863
28	903	4100	2670	2950	3230	8310	3080	2940	940	1110	1130	819
29	883	4420	2470	2520	---	35400	2880	3430	1180	1080	1020	884
30	1570	3900	2480	2480	---	18300	2910	3110	1200	1070	1040	898
31	2490	---	2610	2410	---	11000	---	2740	---	1060	1150	---
TOTAL	49056	105180	132870	304330	142990	186150	140730	68750	45690	35333	31736	26382
MEAN	1582	3506	4286	9817	5107	6005	4691	2218	1523	1140	1024	879
MAX	2490	4880	8340	41800	11800	35400	10800	4010	2740	1740	1420	1110
MIN	800	1680	2410	2410	2140	2320	1650	1230	940	904	810	743
(†)	-369	-165	+191	-73	+252	+1380	-431	+9.0	-195	-193	-618	-688

† Change in contents, equivalent in cubic feet per second, in Deep Creek Reservoir and Youghiogheny River Lake. Records of contents in Deep Creek Reservoir furnished by Reliant Energy. Records of contents in Youghiogheny River Lake furnished by U.S. Army Corps of Engineers.

YOUGHIOGHENY RIVER BASIN

03083500 YOUGHIOGHENY RIVER AT SUTERSVILLE, PA--Continued

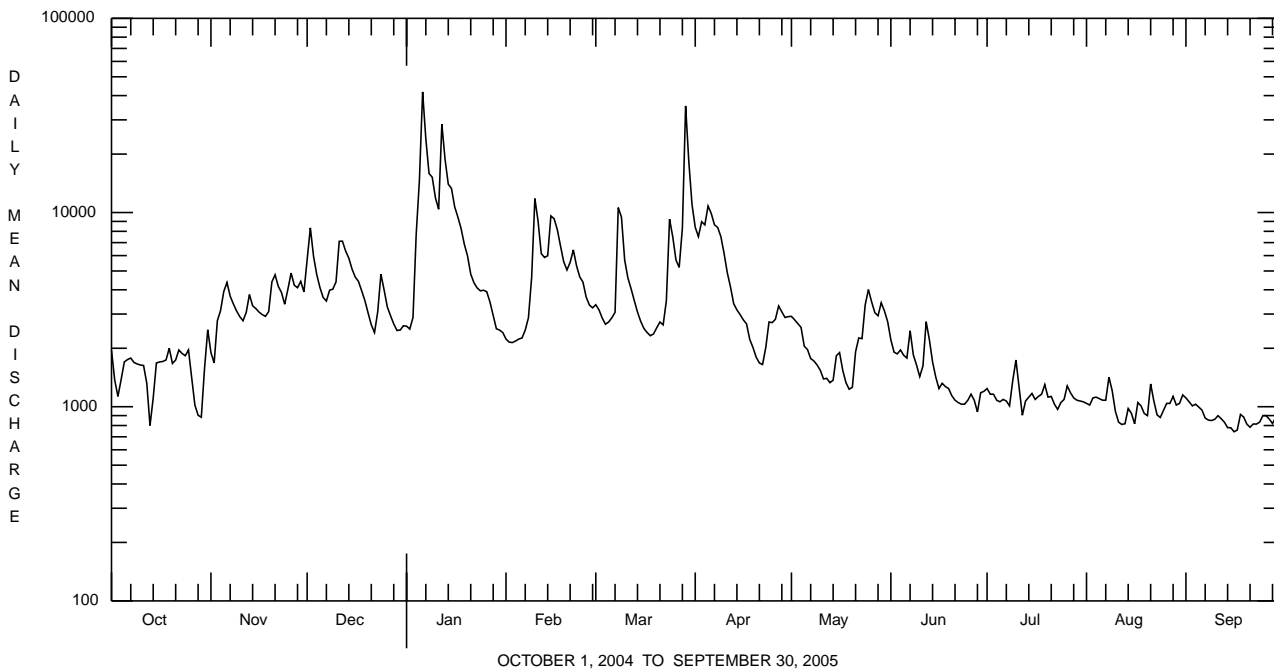
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2005, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1524	2182	3578	4023	4551	5931	4955	3690	2323	1568	1459	1423
MAX (WY)	7006	6895	9373	9817	9630	13720	10230	8012	7318	4853	5707	6382
MIN (WY)	1955	2004	1973	2005	1939	1936	1940	1996	1941	1985	1956	1971
MIN (WY)	107	209	412	611	716	1539	1637	1012	585	614	309	185
(WY)	1924	1923	1999	1925	1934	1990	1921	1982	1925	1942	1922	1922

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1921 - 2005	
ANNUAL TOTAL	1502064		1269197			
ANNUAL MEAN	4104	† +42	3477	† -74	3097	
HIGHEST ANNUAL MEAN					4604	2004
LOWEST ANNUAL MEAN					1496	1925
HIGHEST DAILY MEAN	33600	Sep 18	41800	Jan 6	79000	Mar 18 1936
LOWEST DAILY MEAN	800	Oct 13	743	Sep 16	57	Sep 30 1922
ANNUAL SEVEN-DAY MINIMUM	1230	Jul 20	808	Sep 11	64	Sep 24 1922
MAXIMUM PEAK FLOW			45200	Jan 6	a108000	Oct 16 1954
MAXIMUM PEAK STAGE			b20.78	Jan 6	c32.50	Oct 16 1954
INSTANTANEOUS LOW FLOW					d57	Sep 29 1922
10 PERCENT EXCEEDS	8330		7510		6850	
50 PERCENT EXCEEDS	2890		2260		1950	
90 PERCENT EXCEEDS	1350		924		705	

† Change in contents, equivalent in cubic feet per second, in Deep Creek Reservoir and Youghiogheny River Lake. Records of contents in Deep Creek Reservoir furnished by Reliant Energy. Records of contents in Youghiogheny River Lake furnished by U.S. Army Corps of Engineers.

- a From rating curve extended above 100,000 ft³/s.
- b From peak-stage indicator.
- c From floodmark.
- d Minimum observed.



YOUGHIOGHENY RIVER BASIN

**03083500 YOUGHIOGHENY RIVER AT SUTERSVILLE, PA--Continued
(Pennsylvania Water-Quality Network Station)**

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 2002 to current year.

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 25, Aug. 16, and Sept. 25, which are poor. Dissolved oxygen record rated poor. Other interruptions in the record were due to malfunctions of the equipment.

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, mg/L (00916)	Magnesium, water, unfltrd recover, mg/L (00927)
NOV 2004	02...	1028	9813	1490	10.0	7.7	7.5	367	370	14.0	120	31.4	9.1
JAN 2005	04...	1028	9813	8270	10.7	7.8	7.7	254	260	8.5	80	22.3	5.8
MAR 2005	03...	1028	9813	2740	13.8	7.3	7.6	506	519	1.0	120	32.2	8.4
MAY 2005	03...	1028	9813	2670	11.1	7.2	7.5	297	296	9.4	87	24.0	6.7
JUL 2005	19...	1028	9813	1300	7.3	7.3	7.8	320	273	24.7	97	25.7	8.0
SEP 2005	14...	1028	9813	780	8.6	7.7	7.9	253	265	23.5	75	21.2	5.3

Date	ANC, wat unfltrd fixed 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 fltrd 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, μg/L (01105)
NOV 2004	46	<.2	89.6	244	2	<.020	.83	<.040	<.01	.022	1.1	2.5	<200
JAN 2005	37	<.2	42.8	200	8	.060	1.08	<.040	.01	.130	1.7	2.9	1300
MAR 2005	37	<.2	74.9	354	10	.070	1.12	<.040	<.01	.016	1.2	1.4	290
MAY 2005	29	<.2	71.3	188	<2	.080	.82	<.040	<.01	.014	.92	--	<200
JUL 2005	40	<.2	76.8	232	76	.040	.75	<.040	.01	.157	1.0	--	2500
SEP 2005	36	<.2	60.0	204	<2	.030	.52	<.040	.01	.015	.66	--	<200

YOUGHIOGHENY RIVER BASIN

03083500 YOUGHIOGHENY RIVER AT SUTERSVILLE, PA--Continued

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

Date	Copper, water, unfltrd recover- able, µg/L (01042)	Cyanide amen- able to chlor- ination wat un- f mg/L (00722)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Nickel, water, unfltrd recover- able, µg/L (01067)	Zinc, water, unfltrd recover- able, µg/L (01092)	Phen- olic com- pounds, water, unfltrd µg/L (32730)
NOV 2004 02...	<10	<1.00	550	<1.0	50	<50	<10	<5
JAN 2005 04...	<10	<1.00	3050	4.2	360	<50	20	<5
MAR 03...	<10	<1.00	770	<1.0	200	<50	20	<5
MAY 03...	<10	<1.00	340	<1.0	90	<50	<10	<5
JUL 19...	<10	<1.00	6950	3.3	270	<50	30	<5
SEP 14...	<10	<1.00	170	<1.0	40	<50	<10	<5

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 µm. Samples represent counts per 100 animal (approximate) subsamples.

Date	09/15/04
Benthic Macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	3
Nematoda (NEMATODES)	1
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Ancyliidae	
<i>Ferrissia</i>	12
Bivalvia (CLAMS)	
Veneroidea	
Corbiculidae	
<i>Corbicula fluminea</i>	11
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Lumbriculida	
Lumbriculidae	1
Tubificida	
Naididae	13
Arthropoda	
Acariformes	
Hydrachnidia (WATER MITES)	1
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	1
<i>Acentrella</i>	1
<i>Baetis</i>	10
<i>Plauditus</i>	4
Heptageniidae	
<i>Stenacron</i>	1
<i>Stenonema</i>	8
Isonychiidae	
<i>Isonychia</i>	7
Tricorythidae	
<i>Tricorythodes</i>	18

YOUGHIOGHENY RIVER BASIN

03083500 YOUGHIOGHENY RIVER AT SUTERSVILLE, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES--Continued

Date	09/15/04
Benthic Macroinvertebrate	Count
Plecoptera (STONEFLIES)	
Perlidae	
<i>Acroneuria</i>	1
Trichoptera (CADDISFLIES)	
Glossosomatidae	
<i>Proptoptila</i>	7
Hydropsychidae	
<i>Cheumatopsyche</i>	42
<i>Hydropsyche</i>	10
<i>Macrostemum</i>	1
Hydroptilidae	
<i>Hydroptila</i>	2
Philopotamidae	
<i>Dolophilodes</i>	1
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
<i>Optioservus</i>	1
Psephenidae (WATER PENNIES)	
<i>Psephenus</i>	1
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	35
Total Organisms	193
Total Taxa	25

YOUGHIOGHENY RIVER BASIN

03083500 YOUGHIOGHENY RIVER AT SUTERSVILLE, PA--Continued

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
1	---	---	---	338	322	328	304	292	295	274	262	266
2	321	271	293	324	313	317	308	284	294	278	273	275
3	347	266	301	334	313	320	307	278	288	278	269	274
4	293	271	275	345	308	330	284	270	274	277	259	264
5	313	268	286	308	289	298	283	270	274	260	250	252
6	324	271	292	306	288	296	273	269	271	256	241	248
7	285	263	271	304	296	299	272	268	269	265	252	257
8	292	264	275	305	299	302	274	236	257	267	254	259
9	299	264	275	307	271	300	270	243	252	267	253	259
10	325	294	307	287	244	257	297	263	277	259	248	252
11	321	270	291	357	287	335	381	291	314	255	241	245
12	270	223	250	339	323	327	399	381	394	247	240	244
13	254	219	235	329	270	291	395	346	367	247	237	240
14	288	254	276	294	261	276	346	302	310	249	238	245
15	284	273	277	293	249	269	302	244	286	248	237	243
16	301	283	289	261	245	256	---	---	---	249	240	245
17	298	284	293	266	240	246	252	227	236	264	249	256
18	302	282	288	282	247	260	248	239	243	249	232	237
19	313	298	304	299	273	281	250	241	244	284	234	243
20	327	311	318	329	278	295	292	250	278	303	284	293
21	339	320	327	329	303	315	297	239	257	324	295	301
22	339	332	335	313	291	304	252	232	240	328	247	292
23	345	328	334	316	305	309	268	250	256	253	234	247
24	347	332	338	314	289	299	267	256	262	244	234	241
25	---	---	---	305	290	299	263	230	238	---	---	---
26	341	326	332	291	267	277	247	234	241	233	228	230
27	340	331	333	304	291	299	238	231	235	238	228	232
28	364	338	348	309	290	300	254	231	245	244	231	238
29	364	336	349	300	287	294	259	243	249	276	233	244
30	372	337	353	300	286	292	258	249	251	296	276	288
31	---	---	---	304	287	293	277	253	268	---	---	---
MONTH	372	219	302	357	240	296	399	227	272	328	228	256

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	---	---	---	7.6	7.2	7.4	7.9	7.3	7.6	7.3	7.1	7.2
2	7.3	7.0	7.1	7.6	7.1	7.4	7.6	7.2	7.3	7.4	7.0	7.1
3	7.6	7.1	7.3	7.5	7.1	7.3	7.5	7.1	7.3	7.2	7.0	7.1
4	7.5	7.1	7.3	7.5	7.1	7.3	7.5	7.1	7.3	7.3	7.0	7.1
5	7.7	7.1	7.2	7.5	7.0	7.2	7.4	7.1	7.2	7.4	7.0	7.1
6	7.3	6.3	7.0	7.3	7.0	7.2	7.6	7.1	7.3	7.5	7.1	7.2
7	7.1	6.8	6.9	7.2	6.9	7.0	7.5	7.2	7.3	7.6	7.0	7.3
8	7.0	6.7	6.9	7.3	6.9	7.0	7.4	7.2	7.3	7.8	7.1	7.3
9	7.8	6.8	7.0	7.4	7.0	7.2	7.5	7.2	7.3	7.6	7.2	7.4
10	8.2	7.0	7.4	7.4	7.0	7.2	7.8	7.1	7.3	7.5	7.2	7.4
11	7.9	7.0	7.4	7.6	7.0	7.2	7.8	7.3	7.6	7.6	7.1	7.3
12	7.3	7.0	7.0	7.6	7.0	7.3	7.8	7.4	7.6	7.8	7.2	7.4
13	7.2	6.9	7.0	7.5	7.1	7.2	7.7	7.3	7.4	8.0	7.2	7.5
14	7.5	6.9	7.1	7.3	6.8	7.1	7.6	7.2	7.3	7.8	7.3	7.6
15	7.5	7.0	7.2	7.6	6.9	7.2	7.5	7.1	7.3	8.1	7.2	7.5
16	7.7	7.1	7.2	7.8	7.0	7.2	---	---	---	7.8	7.1	7.4
17	7.8	7.2	7.4	7.5	7.0	7.2	7.6	6.9	7.1	7.6	7.1	7.5
18	7.9	7.1	7.5	7.8	7.1	7.3	7.3	7.0	7.2	7.8	7.0	7.3
19	8.2	7.2	7.6	8.0	7.2	7.5	7.4	7.0	7.2	8.0	7.0	7.3
20	8.3	7.2	7.7	8.0	7.3	7.6	7.5	7.1	7.2	7.5	7.1	7.2
21	8.2	7.2	7.6	7.8	7.3	7.5	7.3	7.1	7.2	7.8	7.1	7.3
22	8.3	7.2	7.7	7.7	7.3	7.5	7.3	7.0	7.2	7.9	7.2	7.5
23	8.3	7.2	7.7	8.3	7.3	7.6	7.4	7.1	7.2	8.0	7.1	7.5
24	8.4	7.1	7.7	8.2	7.2	7.5	8.0	7.2	7.4	7.9	7.1	7.4
25	---	---	---	8.0	7.4	7.6	7.9	7.2	7.5	---	---	---
26	8.1	7.0	7.5	7.9	7.4	7.6	7.6	7.2	7.4	7.5	7.1	7.2
27	7.9	7.1	7.4	7.9	7.2	7.6	7.4	7.2	7.3	7.5	7.0	7.2
28	7.9	7.1	7.5	8.2	7.2	7.7	7.5	7.2	7.3	7.7	7.1	7.3
29	7.9	7.1	7.2	8.2	7.4	7.8	7.4	7.2	7.3	7.6	7.0	7.3
30	7.8	7.2	7.5	8.0	7.3	7.6	7.4	7.2	7.3	7.5	7.1	7.2
31	---	---	---	8.0	7.4	7.6	7.4	7.1	7.3	---	---	---
MAX	8.4	7.2	7.7	8.3	7.4	7.8	8.0	7.4	7.6	8.1	7.3	7.6
MIN	7.0	6.3	6.9	7.2	6.8	7.0	7.3	6.9	7.1	7.2	7.0	7.1

YOUGHIOGHENY RIVER BASIN

03083500 YOUGHIOGHENY RIVER AT SUTERSVILLE, PA--Continued

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	---	---	---	27.0	24.3	25.5	27.8	24.2	25.8	24.2	20.8	22.2
2	18.2	16.8	17.7	26.9	24.0	25.3	27.8	24.9	26.2	24.7	21.8	23.0
3	18.0	16.5	17.1	25.4	23.1	24.2	27.5	24.3	25.8	24.2	21.9	22.9
4	19.1	16.4	17.5	26.7	23.3	24.8	27.1	24.4	25.7	24.2	21.3	22.5
5	21.2	17.8	19.3	26.7	24.5	25.4	25.7	24.0	24.8	23.6	21.0	22.2
6	21.8	19.7	20.8	26.3	23.6	24.6	24.7	23.1	23.7	24.2	20.9	22.3
7	23.0	19.4	21.2	25.1	23.4	24.2	25.7	22.8	24.0	24.4	20.9	22.4
8	24.6	21.4	23.0	25.5	22.7	23.8	23.9	22.1	22.8	24.1	21.0	22.4
9	25.0	22.8	23.9	25.4	22.4	23.7	25.6	21.5	23.2	24.4	21.7	22.8
10	26.6	23.3	24.8	24.7	21.1	23.0	26.8	23.3	24.9	24.6	21.4	22.9
11	26.4	24.2	25.2	25.9	22.1	23.8	27.6	24.3	25.8	24.6	21.1	22.7
12	24.9	22.9	24.0	27.2	23.9	25.2	28.5	25.0	26.6	24.9	21.5	23.0
13	25.2	22.6	23.9	26.5	24.6	25.6	28.9	25.9	27.3	24.5	21.8	23.0
14	26.5	23.3	24.7	25.4	24.1	24.6	27.8	26.2	27.0	24.4	21.3	22.8
15	25.2	22.8	23.8	26.5	23.5	24.8	26.8	24.9	25.8	24.9	22.1	23.3
16	22.8	20.8	21.8	26.8	24.3	25.5	---	---	---	24.8	22.8	23.6
17	21.3	19.5	20.4	26.6	24.6	25.5	25.6	22.2	23.7	23.7	22.4	23.0
18	21.8	19.0	20.3	26.6	24.5	25.4	25.2	22.8	24.0	23.1	21.4	22.1
19	21.6	18.8	20.1	27.0	24.5	25.5	26.0	23.3	24.4	22.9	20.9	21.8
20	23.7	19.5	21.2	28.4	24.6	26.2	27.8	23.9	25.6	21.7	20.7	21.2
21	24.0	20.4	22.0	26.6	25.2	25.7	27.3	25.2	26.0	22.4	19.6	20.9
22	24.2	21.4	22.5	26.6	24.8	25.4	25.7	24.1	24.9	23.0	19.7	21.2
23	25.2	21.0	23.0	28.0	24.1	25.8	25.0	22.5	23.7	23.0	21.6	22.2
24	26.1	21.9	23.8	25.8	24.1	24.7	24.9	21.8	23.2	22.6	20.8	21.7
25	---	---	---	26.5	23.4	24.5	24.5	21.5	22.9	---	---	---
26	27.2	23.9	25.4	26.9	23.3	24.8	23.1	21.5	22.1	22.1	21.1	21.7
27	26.7	24.2	25.4	26.4	24.7	25.4	21.5	20.7	21.0	22.1	19.7	20.8
28	27.7	23.7	25.4	26.3	23.5	24.8	24.1	20.5	21.9	21.6	18.7	20.1
29	27.6	24.6	25.7	26.4	23.2	24.6	22.8	21.2	21.8	20.4	17.9	19.5
30	27.9	24.7	26.0	26.6	23.1	24.7	22.0	20.8	21.4	18.7	16.1	17.4
31	---	---	---	27.4	23.6	25.2	22.2	21.6	21.8	---	---	---
MONTH	27.9	16.4	22.5	28.4	21.1	24.9	28.9	20.5	24.3	24.9	16.1	22.0

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	10.2	7.5	8.7	8.4	6.5	7.4	8.8	7.0	7.9
2	---	---	---	10.7	8.2	9.3	7.7	6.4	7.0	8.6	6.7	7.7
3	---	---	---	11.8	8.9	10.2	8.2	5.1	6.7	---	---	---
4	---	---	---	---	---	---	8.6	5.3	6.9	10.0	7.1	8.2
5	---	---	---	11.6	6.1	8.6	---	---	---	---	---	---
6	---	---	---	---	---	---	9.2	6.1	7.7	9.5	7.4	8.5
7	9.2	6.9	8.3	---	---	---	9.7	5.6	8.0	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	12.0	8.0	10.1	---	---	---	---	---	---	---	---	---
10	12.3	8.4	10.5	---	---	---	8.8	6.2	8.1	---	---	---
11	11.8	6.8	9.7	---	---	---	8.6	6.6	7.6	---	---	---
12	10.2	7.4	9.2	---	---	---	8.6	7.1	7.8	---	---	---
13	10.6	7.4	9.0	---	---	---	8.7	6.9	7.8	---	---	---
14	11.2	7.7	9.5	---	---	---	9.0	6.5	7.9	9.6	7.6	8.5
15	10.2	7.5	8.8	9.8	6.1	8.1	9.2	6.7	8.0	9.6	7.2	8.3
16	9.3	7.1	8.0	10.3	5.8	7.9	---	---	---	9.0	7.0	8.0
17	10.1	7.7	8.8	9.6	5.7	7.7	---	---	---	9.5	6.5	8.0
18	10.5	8.0	9.2	10.0	6.6	8.2	---	---	---	9.4	7.5	8.4
19	10.9	8.1	9.5	9.3	7.2	8.2	---	---	---	10.2	7.2	8.7
20	11.0	8.0	9.6	8.8	5.6	7.6	---	---	---	---	---	---
21	11.1	7.9	9.5	8.1	5.8	6.9	---	---	---	9.6	6.3	8.4
22	10.7	7.6	9.2	8.7	6.2	7.3	---	---	---	10.4	7.8	9.1
23	11.1	7.5	9.3	9.0	6.4	7.9	---	---	---	10.0	7.7	8.7
24	11.1	7.3	9.2	9.9	5.5	7.8	---	---	---	10.3	6.7	8.7
25	---	---	---	9.8	6.0	8.2	9.2	7.5	8.3	---	---	---
26	10.0	6.6	8.3	10.4	5.8	8.4	---	---	---	8.8	6.9	8.1
27	10.1	6.6	8.3	10.4	7.1	8.9	---	---	---	9.7	6.5	8.3
28	9.8	6.9	8.2	9.6	7.8	8.9	8.5	7.0	7.7	10.2	7.7	8.9
29	---	---	---	9.2	7.0	8.2	7.7	5.0	6.2	9.5	7.4	8.7
30	---	---	---	9.0	7.0	7.9	7.1	5.0	6.0	10.6	6.9	8.6
31	---	---	---	8.7	6.8	7.7	7.8	5.0	6.3	---	---	---
MONTH	12.3	6.6	9.1	11.8	5.5	8.2	9.7	5.0	7.4	10.6	6.3	8.4