

## DELAWARE RIVER BASIN

## 01477050 DELAWARE RIVER AT CHESTER, PA

**LOCATION.**--Lat 39°50'33", long 75°21'28", Delaware County, Hydrologic Unit 02040202, in the pumping house of Kimberly-Clark Paper Company at Chester.

**DRAINAGE AREA.**--10,300 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--December 1961 to current year.

**PERIOD OF DAILY RECORD.**--

SPECIFIC CONDUCTANCE: October 1963 to current year.

pH: January 1968 to current year.

WATER TEMPERATURE: December 1961 to current year.

DISSOLVED OXYGEN: December 1961 to current year.

**INSTRUMENTATION.**--Water-quality monitor since December 1961. Probes interfaced with a data collection platform since the 1986 water year.

**REMARKS.**--Specific conductance records rated good except for period Apr. 11 to May 19, which is poor, and period May 20-31, which is fair. pH and water temperature records rated good. Dissolved oxygen record rated fair except for periods Oct. 1-8 and Dec. 1-10, which are poor. Data collection discontinued during winter months. Other interruptions in the record were due to malfunctions of the instrumentation. Prior to April 1981 sampling site located at auxiliary tidal-gaging station at the end of Reynolds Aluminum Company pier, 0.5 mi downstream from Chester Creek in Chester (latitude 39°50'12", longitude 75°22'00").

**EXTREMES FOR PERIOD OF DAILY RECORD.**--

SPECIFIC CONDUCTANCE: Maximum, 5,900 microsiemens, Oct. 7, 1965; minimum, 103 microsiemens, June 2, 1984, Apr. 9, 1987.

pH: Maximum, 8.7, Sept. 13, 14, 1971, Oct. 16, 1979; minimum, 5.5, Dec. 10, 11, 1969.

WATER TEMPERATURE: Maximum, 33.0°C, July 21, 1977, Aug. 3, 1999; minimum, 0.0°C, many days during winters.

DISSOLVED OXYGEN: Maximum, 16.3 mg/L, Mar. 28, 1993; minimum, 0.0 mg/L, on many days.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	181	157	169	295	280	285	276	212	231	---	---	---
2	185	168	175	288	279	283	223	198	212	---	---	---
3	185	171	179	300	277	284	221	184	203	---	---	---
4	196	175	186	299	278	285	199	174	186	---	---	---
5	198	182	190	283	269	274	193	172	180	---	---	---
6	212	187	196	280	268	272	192	176	185	---	---	---
7	204	192	198	277	268	272	194	181	188	---	---	---
8	---	---	---	277	265	271	204	184	193	---	---	---
9	---	---	---	282	266	271	211	187	201	---	---	---
10	---	---	---	285	270	277	227	193	214	---	---	---
11	---	---	---	308	272	279	219	192	206	---	---	---
12	225	207	216	286	274	279	220	204	212	---	---	---
13	227	208	219	283	268	276	226	198	206	---	---	---
14	238	212	225	277	270	273	212	199	205	---	---	---
15	243	215	229	280	273	276	---	---	---	---	---	---
16	247	223	235	289	274	281	---	---	---	---	---	---
17	254	233	244	292	278	285	---	---	---	---	---	---
18	265	237	250	307	282	290	---	---	---	---	---	---
19	260	243	253	294	285	290	---	---	---	---	---	---
20	262	244	255	293	284	287	---	---	---	---	---	---
21	264	251	259	300	286	289	---	---	---	---	---	---
22	271	255	263	300	288	291	---	---	---	---	---	---
23	272	258	267	311	289	297	---	---	---	---	---	---
24	---	---	---	304	293	298	---	---	---	---	---	---
25	---	---	---	305	292	299	---	---	---	---	---	---
26	---	---	---	317	294	300	---	---	---	---	---	---
27	289	266	273	347	294	301	---	---	---	---	---	---
28	289	274	278	347	231	277	---	---	---	---	---	---
29	288	273	281	308	240	279	---	---	---	---	---	---
30	290	275	282	330	220	249	---	---	---	---	---	---
31	297	282	286	---	---	---	---	---	---	---	---	---
MONTH	297	157	234	347	220	282	276	172	202	---	---	---

## DELAWARE RIVER BASIN

## 01477050 DELAWARE RIVER AT CHESTER, 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
	<b>FEBRUARY</b>			<b>MARCH</b>			<b>APRIL</b>			<b>MAY</b>		
1	---	---	---	---	---	---	236	195	217	272	258	265
2	---	---	---	---	---	---	210	159	186	270	259	264
3	---	---	---	---	---	---	195	142	163	279	257	265
4	---	---	---	---	---	---	169	128	157	269	260	264
5	---	---	---	---	---	---	156	113	132	271	259	264
6	---	---	---	---	---	---	149	114	132	268	259	262
7	---	---	---	---	---	---	166	125	150	268	256	262
8	---	---	---	---	---	---	182	146	164	269	255	262
9	---	---	---	---	---	---	180	154	170	275	257	263
10	---	---	---	---	---	---	185	164	174	269	257	261
11	---	---	---	---	---	---	194	167	179	268	256	261
12	---	---	---	---	---	---	205	172	185	272	255	261
13	---	---	---	---	---	---	199	180	191	281	258	267
14	---	---	---	---	---	---	207	183	195	278	263	271
15	---	---	---	---	---	---	208	192	200	271	265	267
16	---	---	---	---	---	---	216	197	206	276	263	268
17	---	---	---	---	---	---	223	201	213	269	265	267
18	---	---	---	---	---	---	234	206	217	272	266	269
19	---	---	---	---	---	---	223	208	216	273	262	269
20	---	---	---	---	---	---	232	209	219	273	260	267
21	---	---	---	---	---	---	232	213	223	276	262	270
22	---	---	---	---	---	---	271	222	233	276	262	269
23	---	---	---	---	---	---	258	236	246	281	264	271
24	---	---	---	---	---	---	252	240	247	279	264	272
25	---	---	---	---	---	---	275	241	256	280	264	271
26	---	---	---	---	---	---	274	247	261	280	265	270
27	---	---	---	---	---	---	274	253	264	277	265	271
28	---	---	---	---	---	---	267	254	260	282	268	274
29	---	---	---	---	---	---	266	252	260	279	264	272
30	---	---	---	308	250	275	272	257	264	296	276	282
31	---	---	---	258	235	248	---	---	---	299	280	290
MONTH	---	---	---	308	235	262	275	113	206	299	255	268
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	<b>JUNE</b>			<b>JULY</b>			<b>AUGUST</b>			<b>SEPTEMBER</b>		
1	304	290	298	472	366	407	478	351	391	---	---	---
2	308	296	302	472	360	399	490	348	394	---	---	---
3	322	301	308	447	359	392	490	353	405	---	---	---
4	322	304	311	459	370	403	574	361	431	---	---	---
5	319	307	314	479	359	403	603	366	443	---	---	---
6	328	270	311	467	360	398	574	369	448	---	---	---
7	338	301	317	461	362	404	635	375	478	---	---	---
8	338	311	319	497	339	405	669	385	499	---	---	---
9	---	---	---	415	344	370	624	380	474	1570	669	1030
10	---	---	---	379	353	363	588	380	466	1730	722	1100
11	343	322	335	392	352	366	619	386	478	1790	750	1120
12	348	323	335	375	352	367	606	392	478	1670	732	1080
13	359	328	342	386	354	370	619	395	486	1900	718	1050
14	350	327	340	382	352	366	673	406	496	2210	839	1250
15	368	334	344	382	347	364	734	391	487	2230	835	1260
16	365	340	350	377	344	362	842	393	512	2070	805	1270
17	---	---	---	371	332	353	869	401	527	2160	807	1330
18	---	---	---	363	319	341	838	403	541	1980	846	1310
19	---	---	---	359	325	339	1000	415	594	1910	834	1310
20	---	---	---	362	324	340	1030	430	618	1990	909	1360
21	386	345	366	360	328	344	991	443	643	1950	888	1330
22	384	351	365	368	329	344	941	463	661	2250	937	1410
23	410	356	377	376	334	349	---	---	---	2100	966	1440
24	454	363	391	388	336	358	---	---	---	2580	1030	1550
25	444	352	385	400	336	362	1090	498	741	2340	1060	1540
26	433	352	385	377	334	355	1190	522	759	2370	1090	1530
27	466	361	399	390	335	360	1160	543	771	2000	899	1360
28	---	---	---	402	337	364	1240	534	782	2500	1030	1500
29	---	---	---	424	347	375	---	---	---	2620	1150	1620
30	---	---	---	418	347	375	---	---	---	1980	1010	1440
31	---	---	---	478	344	377	1360	595	857	---	---	---
MONTH	466	270	343	497	319	370	1360	348	550	2620	669	1330

## DELAWARE RIVER BASIN

## 01477050 DELAWARE RIVER AT CHESTER, 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
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.0	7.0	7.0	7.2	7.2	7.2	7.3	7.2	7.3	---	---	---
2	7.0	7.0	7.0	7.2	7.2	7.2	7.3	7.3	7.3	---	---	---
3	7.0	7.0	7.0	7.3	7.2	7.2	7.3	7.2	7.3	---	---	---
4	7.0	7.0	7.0	7.3	7.2	7.2	7.3	7.2	7.2	---	---	---
5	7.1	7.0	7.1	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---
6	7.1	7.1	7.1	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---
7	7.1	7.0	7.1	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---
8	---	---	---	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---
9	---	---	---	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---
10	---	---	---	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---
11	---	---	---	7.3	7.3	7.3	7.2	7.2	7.2	---	---	---
12	7.2	7.1	7.1	7.3	7.2	7.2	7.3	7.2	7.2	---	---	---
13	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.3	---	---	---
14	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.3	---	---	---
15	7.1	7.1	7.1	7.2	7.2	7.2	---	---	---	---	---	---
16	7.2	7.1	7.2	7.2	7.2	7.2	---	---	---	---	---	---
17	7.3	7.2	7.2	7.2	7.1	7.2	---	---	---	---	---	---
18	7.3	7.2	7.2	7.2	7.1	7.1	---	---	---	---	---	---
19	7.2	7.2	7.2	7.1	7.1	7.1	---	---	---	---	---	---
20	7.2	7.2	7.2	7.1	7.1	7.1	---	---	---	---	---	---
21	7.2	7.2	7.2	7.1	7.1	7.1	---	---	---	---	---	---
22	7.2	7.2	7.2	7.1	7.1	7.1	---	---	---	---	---	---
23	7.2	7.2	7.2	7.1	7.1	7.1	---	---	---	---	---	---
24	---	---	---	7.1	7.1	7.1	---	---	---	---	---	---
25	---	---	---	7.2	7.1	7.1	---	---	---	---	---	---
26	---	---	---	7.2	7.1	7.2	---	---	---	---	---	---
27	7.2	7.2	7.2	7.2	7.2	7.2	---	---	---	---	---	---
28	7.2	7.2	7.2	7.3	7.2	7.2	---	---	---	---	---	---
29	7.2	7.2	7.2	7.3	7.2	7.3	---	---	---	---	---	---
30	7.2	7.2	7.2	7.3	7.2	7.2	---	---	---	---	---	---
31	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
MAX	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3	---	---	---
MIN	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	---	---	---

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	7.4	7.3	7.3	7.3	7.2	7.2
2	---	---	---	---	---	---	7.3	7.2	7.3	7.3	7.2	7.3
3	---	---	---	---	---	---	7.3	7.2	7.3	7.3	7.3	7.3
4	---	---	---	---	---	---	7.3	7.3	7.3	7.3	7.2	7.2
5	---	---	---	---	---	---	7.3	7.1	7.2	7.2	7.2	7.2
6	---	---	---	---	---	---	7.2	7.1	7.1	7.2	7.1	7.2
7	---	---	---	---	---	---	7.2	7.1	7.2	7.2	7.1	7.2
8	---	---	---	---	---	---	7.2	7.2	7.2	7.2	7.0	7.1
9	---	---	---	---	---	---	7.3	7.2	7.2	7.1	7.1	7.1
10	---	---	---	---	---	---	7.2	7.2	7.2	7.1	7.0	7.1
11	---	---	---	---	---	---	7.2	7.2	7.2	7.1	7.0	7.1
12	---	---	---	---	---	---	7.2	7.2	7.2	7.1	7.0	7.0
13	---	---	---	---	---	---	7.2	7.2	7.2	7.0	7.0	7.0
14	---	---	---	---	---	---	7.3	7.2	7.2	7.1	7.0	7.0
15	---	---	---	---	---	---	7.3	7.2	7.3	7.0	7.0	7.0
16	---	---	---	---	---	---	7.3	7.3	7.3	7.1	7.0	7.1
17	---	---	---	---	---	---	7.3	7.3	7.3	7.1	7.1	7.1
18	---	---	---	---	---	---	7.3	7.3	7.3	7.1	7.1	7.1
19	---	---	---	---	---	---	7.3	7.2	7.3	7.1	7.1	7.1
20	---	---	---	---	---	---	7.3	7.2	7.2	7.2	7.1	7.1
21	---	---	---	---	---	---	7.3	7.2	7.3	7.2	7.1	7.2
22	---	---	---	---	---	---	7.3	7.2	7.3	7.1	7.1	7.1
23	---	---	---	---	---	---	7.3	7.2	7.3	7.1	7.1	7.1
24	---	---	---	---	---	---	7.3	7.2	7.3	7.1	7.0	7.1
25	---	---	---	---	---	---	7.3	7.3	7.3	7.1	7.1	7.1
26	---	---	---	---	---	---	7.4	7.3	7.3	7.1	7.0	7.1
27	---	---	---	---	---	---	7.4	7.3	7.3	7.1	7.0	7.1
28	---	---	---	---	---	---	7.3	7.3	7.3	7.1	7.0	7.1
29	---	---	---	---	---	---	7.3	7.3	7.3	7.1	7.0	7.1
30	---	---	---	7.5	7.4	7.4	7.3	7.2	7.3	7.1	7.0	7.0
31	---	---	---	7.5	7.4	7.4	---	---	---	7.1	7.0	7.1
MAX	---	---	---	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.3
MIN	---	---	---	7.5	7.4	7.4	7.2	7.1	7.1	7.0	7.0	7.0

## DELAWARE RIVER BASIN

## 01477050 DELAWARE RIVER AT CHESTER, 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	7.2	7.1	7.1	7.2	7.1	7.1	7.2	7.0	7.1	---	---	---
2	7.2	7.1	7.1	7.2	7.1	7.1	7.2	7.0	7.1	---	---	---
3	7.2	7.1	7.1	7.2	7.0	7.1	7.1	7.0	7.1	---	---	---
4	7.2	7.1	7.1	7.2	7.1	7.1	7.1	7.0	7.0	---	---	---
5	7.2	7.0	7.1	7.2	7.1	7.2	7.2	7.0	7.1	---	---	---
6	7.2	7.0	7.1	7.2	7.1	7.1	7.2	7.0	7.1	---	---	---
7	7.2	7.1	7.1	7.2	7.1	7.2	7.2	7.0	7.1	---	---	---
8	7.2	7.0	7.1	7.4	7.2	7.2	7.2	7.0	7.1	---	---	---
9	---	---	---	7.2	7.1	7.2	7.1	7.0	7.1	7.3	7.1	7.2
10	---	---	---	7.2	7.1	7.1	7.1	7.0	7.0	7.3	7.1	7.2
11	7.1	7.0	7.1	7.2	7.1	7.1	7.1	7.0	7.0	7.3	7.1	7.2
12	7.1	7.0	7.1	7.2	7.1	7.2	7.1	6.9	7.0	7.3	7.1	7.2
13	7.1	7.0	7.1	7.2	7.1	7.2	7.1	7.0	7.0	7.3	7.1	7.2
14	7.1	7.0	7.1	7.2	7.1	7.2	7.2	7.0	7.0	7.3	7.1	7.2
15	7.2	7.0	7.1	7.2	7.1	7.1	7.2	7.0	7.0	7.3	7.1	7.2
16	7.2	7.1	7.1	7.2	7.1	7.1	7.2	7.0	7.1	7.2	7.0	7.1
17	---	---	---	7.2	7.1	7.1	7.2	7.0	7.0	7.2	7.0	7.1
18	---	---	---	7.1	6.9	7.0	7.1	7.0	7.0	7.3	7.0	7.1
19	---	---	---	7.0	6.9	6.9	7.2	7.0	7.0	7.2	7.0	7.1
20	---	---	---	7.0	6.9	7.0	7.1	7.0	7.0	7.2	7.1	7.1
21	7.2	7.1	7.2	7.0	6.9	7.0	7.1	6.9	7.0	7.2	7.1	7.1
22	7.2	7.1	7.2	7.0	6.9	7.0	7.0	6.8	7.0	7.2	7.1	7.2
23	7.2	7.1	7.2	7.0	6.9	7.0	---	---	---	7.2	7.1	7.2
24	7.2	7.1	7.2	7.1	7.0	7.0	---	---	---	7.3	7.1	7.2
25	7.2	7.1	7.2	7.1	7.0	7.1	7.1	7.0	7.0	7.3	7.2	7.3
26	7.2	7.1	7.2	7.1	7.0	7.0	7.1	7.0	7.0	7.4	7.2	7.3
27	7.2	7.1	7.2	7.1	7.0	7.1	7.2	7.0	7.0	7.5	7.2	7.3
28	---	---	---	7.1	7.0	7.1	7.1	7.0	7.0	7.5	7.2	7.3
29	---	---	---	7.2	7.0	7.1	---	---	---	7.4	7.3	7.3
30	---	---	---	7.1	7.0	7.1	---	---	---	7.4	7.3	7.3
31	---	---	---	7.1	7.0	7.1	---	---	---	---	---	---
MAX	7.2	7.1	7.2	7.4	7.2	7.2	7.2	7.0	7.1	7.5	7.3	7.3
MIN	7.1	7.0	7.1	7.0	6.9	6.9	7.0	6.8	7.0	7.2	7.0	7.1

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	20.1	19.5	19.8	14.3	13.8	14.1	10.5	9.5	10.0	---	---	---
2	19.9	19.4	19.7	14.4	13.8	14.1	9.6	9.1	9.4	---	---	---
3	19.6	19.0	19.3	14.3	13.8	14.1	9.3	8.5	8.9	---	---	---
4	19.5	18.9	19.2	13.9	13.3	13.7	8.6	8.1	8.4	---	---	---
5	19.2	18.4	18.8	13.3	12.6	12.9	8.3	7.9	8.1	---	---	---
6	18.5	18.1	18.3	13.0	12.3	12.6	8.4	7.7	8.0	---	---	---
7	18.6	17.9	18.2	13.1	12.3	12.7	8.3	7.7	8.1	---	---	---
8	---	---	---	12.9	12.4	12.6	8.6	7.9	8.2	---	---	---
9	---	---	---	12.5	11.8	12.1	8.4	7.8	8.1	---	---	---
10	---	---	---	12.0	11.4	11.7	8.5	7.9	8.2	---	---	---
11	---	---	---	11.7	11.1	11.5	8.4	7.9	8.1	---	---	---
12	17.9	16.9	17.4	11.6	10.7	11.3	8.0	7.7	7.8	---	---	---
13	17.5	16.8	17.2	11.2	10.1	10.7	8.0	7.6	7.8	---	---	---
14	17.3	16.6	17.0	10.5	9.8	10.2	7.7	7.1	7.4	---	---	---
15	17.1	16.7	17.0	10.3	9.8	10.1	---	---	---	---	---	---
16	17.0	16.1	16.6	10.4	10.0	10.2	---	---	---	---	---	---
17	16.3	15.5	16.0	10.5	10.1	10.2	---	---	---	---	---	---
18	15.9	15.3	15.6	10.6	10.2	10.4	---	---	---	---	---	---
19	15.7	15.2	15.5	10.8	10.3	10.5	---	---	---	---	---	---
20	15.4	15.0	15.2	10.8	10.3	10.6	---	---	---	---	---	---
21	15.1	14.8	15.0	10.8	10.4	10.6	---	---	---	---	---	---
22	15.1	14.6	14.8	10.8	10.4	10.6	---	---	---	---	---	---
23	14.9	14.4	14.6	10.8	10.4	10.6	---	---	---	---	---	---
24	---	---	---	10.9	10.4	10.7	---	---	---	---	---	---
25	---	---	---	11.4	10.6	11.0	---	---	---	---	---	---
26	---	---	---	10.8	9.9	10.3	---	---	---	---	---	---
27	14.3	13.7	14.1	11.5	9.7	10.2	---	---	---	---	---	---
28	14.3	13.7	14.0	11.5	10.2	10.6	---	---	---	---	---	---
29	14.2	13.7	14.0	10.4	9.8	10	---	---	---	---	---	---
30	14.2	13.8	14.0	10.8	9.7	10.0	---	---	---	---	---	---
31	14.4	13.9	14.2	---	---	---	---	---	---	---	---	---
MONTH	20.1	13.7	16.5	14.4	9.7	11.4	10.5	7.1	8.3	---	---	---

## DELAWARE RIVER BASIN

## 01477050 DELAWARE RIVER AT CHESTER, 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
	<b>FEBRUARY</b>			<b>MARCH</b>			<b>APRIL</b>			<b>MAY</b>		
1	---	---	---	---	---	---	8.6	8.0	8.2	15.8	15.3	15.5
2	---	---	---	---	---	---	9.8	7.7	8.5	15.8	15.2	15.5
3	---	---	---	---	---	---	10.1	8.3	9.3	15.6	14.9	15.3
4	---	---	---	---	---	---	9.4	8.1	8.9	15.4	14.8	15.2
5	---	---	---	---	---	---	8.6	7.4	8.0	15.8	14.6	15.2
6	---	---	---	---	---	---	8.9	7.5	8.2	15.4	14.8	15.1
7	---	---	---	---	---	---	10.1	8.1	9.0	15.2	14.3	14.8
8	---	---	---	---	---	---	10.7	9.2	10.0	15.5	14.6	15.0
9	---	---	---	---	---	---	11.4	9.7	10.5	16.4	15.0	15.5
10	---	---	---	---	---	---	12.1	10.5	11.1	16.7	15.5	16.0
11	---	---	---	---	---	---	12.5	11.2	11.8	17.1	16.0	16.4
12	---	---	---	---	---	---	12.6	11.8	12.1	17.1	16.4	16.7
13	---	---	---	---	---	---	13.1	12.0	12.5	16.9	16.4	16.6
14	---	---	---	---	---	---	13.4	12.4	12.9	17.6	16.6	17.0
15	---	---	---	---	---	---	13.3	12.7	12.9	17.8	17.2	17.5
16	---	---	---	---	---	---	13.1	12.6	12.8	18.1	17.4	17.8
17	---	---	---	---	---	---	13.5	12.7	13.0	18.3	17.6	17.9
18	---	---	---	---	---	---	14.3	13.1	13.6	18.6	17.8	18.1
19	---	---	---	---	---	---	14.9	13.6	14.1	19.0	18.0	18.4
20	---	---	---	---	---	---	15.6	14.2	14.8	18.7	17.8	18.2
21	---	---	---	---	---	---	15.8	14.9	15.3	18.1	17.1	17.8
22	---	---	---	---	---	---	15.3	14.9	15.1	18.2	17.6	17.9
23	---	---	---	---	---	---	15.4	14.6	15.0	18.2	17.8	18.0
24	---	---	---	---	---	---	15.2	14.7	15.0	18.2	17.9	18.0
25	---	---	---	---	---	---	14.9	14.3	14.6	18.0	17.5	17.7
26	---	---	---	---	---	---	15.5	14.4	14.8	17.8	17.3	17.5
27	---	---	---	---	---	---	15.6	14.8	15.2	18.5	17.4	17.8
28	---	---	---	---	---	---	15.5	15.0	15.2	18.8	17.7	18.3
29	---	---	---	---	---	---	15.6	14.9	15.2	19.0	18.1	18.6
30	---	---	---	8.7	7.9	8.3	15.7	15.1	15.4	19.4	18.4	18.9
31	---	---	---	8.6	8.0	8.2	---	---	---	19.8	18.8	19.3
MONTH	---	---	---	8.7	7.9	8.2	15.8	7.4	12.4	19.8	14.3	17.0
	<b>JUNE</b>			<b>JULY</b>			<b>AUGUST</b>			<b>SEPTEMBER</b>		
1	20.3	19.2	19.7	27.5	26.6	27.0	29.8	28.8	29.2	---	---	---
2	20.5	19.5	20.0	27.4	26.7	27.0	29.9	28.9	29.3	---	---	---
3	20.2	19.6	19.9	27.4	26.5	26.9	30.3	29.1	29.5	---	---	---
4	20.3	19.3	19.8	27.6	26.4	26.9	30.5	29.3	29.8	---	---	---
5	21.3	19.8	20.3	27.9	26.9	27.2	30.4	29.5	29.9	---	---	---
6	22.2	20.4	21.1	28.0	27.0	27.3	30.6	29.6	29.9	---	---	---
7	22.9	21.1	21.8	27.6	27.1	27.3	30.3	29.5	29.8	---	---	---
8	23.6	21.8	22.4	27.2	25.3	26.3	29.9	29.5	29.7	---	---	---
9	---	---	---	26.5	25.4	25.8	29.5	29.1	29.3	26.7	26.2	26.5
10	---	---	---	27.0	25.8	26.2	29.8	29.1	29.3	26.7	26.1	26.4
11	24.8	23.5	24.0	27.3	26.1	26.5	30.0	29.1	29.4	26.6	26.1	26.3
12	25.2	23.9	24.4	27.7	26.4	27.0	30.3	29.3	29.7	26.6	25.9	26.2
13	25.6	24.4	24.9	27.7	26.8	27.1	30.5	29.6	30.0	26.8	26.0	26.4
14	26.1	24.9	25.4	27.8	27.0	27.2	30.7	29.9	30.3	26.8	26.2	26.5
15	26.3	25.4	25.9	27.8	27.2	27.4	30.8	30.0	30.3	27.3	26.2	26.7
16	26.3	25.6	25.9	27.7	27.3	27.5	30.2	29.5	29.8	27.6	26.5	27.0
17	---	---	---	27.8	27.2	27.5	29.9	28.9	29.4	27.5	26.6	27.0
18	---	---	---	28.4	27.0	27.6	29.6	28.7	29.2	27.2	26.4	26.9
19	---	---	---	28.9	27.8	28.1	29.2	28.5	28.9	27.6	26.5	26.9
20	---	---	---	29.2	28.0	28.4	29.0	28.1	28.6	27.2	26.7	26.9
21	25.2	24.0	24.5	29.6	28.2	28.6	29.4	28.4	28.8	27.0	26.4	26.7
22	25.4	24.4	24.7	29.8	28.5	28.9	29.2	28.5	28.7	27.1	26.3	26.6
23	25.5	24.5	24.9	29.7	28.8	29.1	---	---	---	26.9	26.3	26.6
24	25.9	24.6	25.1	29.4	28.6	28.9	---	---	---	26.6	25.8	26.1
25	26.1	24.8	25.4	29.5	28.5	28.8	28.0	27.4	27.7	25.8	25.4	25.5
26	26.5	25.2	25.8	29.7	28.7	29.1	27.8	27.5	27.6	25.8	25.1	25.4
27	26.5	25.6	26.0	30.0	29.1	29.5	27.6	27.3	27.4	25.6	24.8	25.1
28	---	---	---	29.8	29.2	29.5	27.5	27.1	27.3	24.9	24.4	24.7
29	---	---	---	29.8	29.2	29.4	---	---	---	24.6	24.0	24.2
30	---	---	---	29.8	29.2	29.4	---	---	---	24.0	23.2	23.6
31	---	---	---	29.6	29.0	29.3	28.5	27.3	27.9	---	---	---
MONTH	26.5	19.2	23.4	30.0	25.3	27.8	30.8	27.1	29.1	27.6	23.2	26.1

## DELAWARE RIVER BASIN

## 01477050 DELAWARE RIVER AT CHESTER, 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
	<b>OCTOBER</b>			<b>NOVEMBER</b>			<b>DECEMBER</b>			<b>JANUARY</b>		
1	6.8	6.6	6.7	7.2	6.8	7.0	10.0	9.2	9.5	---	---	---
2	6.8	6.6	6.7	7.3	6.8	7.0	9.9	9.6	9.8	---	---	---
3	6.9	6.6	6.8	7.4	6.8	7.1	10.2	9.7	9.9	---	---	---
4	7.0	6.8	6.9	7.5	7.1	7.2	10.2	10.0	10.1	---	---	---
5	7.5	7.0	7.3	7.8	7.4	7.6	10.2	10.0	10.2	---	---	---
6	7.6	7.3	7.5	8.1	7.6	7.8	10.4	10.2	10.3	---	---	---
7	7.7	7.5	7.6	7.9	7.6	7.8	10.4	10.2	10.3	---	---	---
8	---	---	---	7.8	7.6	7.7	10.5	10.3	10.4	---	---	---
9	---	---	---	7.9	7.6	7.7	10.6	10.4	10.4	---	---	---
10	---	---	---	7.9	7.6	7.7	---	---	---	---	---	---
11	---	---	---	8.0	7.6	7.8	---	---	---	---	---	---
12	---	---	---	8.3	7.8	7.9	---	---	---	---	---	---
13	---	---	---	8.6	7.9	8.3	---	---	---	---	---	---
14	---	---	---	8.6	8.2	8.4	---	---	---	---	---	---
15	---	---	---	8.6	8.3	8.4	---	---	---	---	---	---
16	---	---	---	8.6	8.2	8.4	---	---	---	---	---	---
17	---	---	---	8.4	8.2	8.3	---	---	---	---	---	---
18	---	---	---	8.4	8.1	8.2	---	---	---	---	---	---
19	7.2	6.9	7.0	8.2	8.0	8.1	---	---	---	---	---	---
20	7.2	7.1	7.1	8.2	7.9	8.1	---	---	---	---	---	---
21	7.1	7.0	7.1	8.2	7.8	8.0	---	---	---	---	---	---
22	7.1	6.9	7.0	8.2	7.8	8.0	---	---	---	---	---	---
23	7.2	6.9	7.0	8.1	7.8	7.9	---	---	---	---	---	---
24	---	---	---	8.1	7.7	7.9	---	---	---	---	---	---
25	---	---	---	8.6	7.8	8.1	---	---	---	---	---	---
26	---	---	---	8.9	8.3	8.5	---	---	---	---	---	---
27	7.0	6.4	6.7	9.9	8.3	8.6	---	---	---	---	---	---
28	6.9	6.5	6.7	10.3	8.4	9.0	---	---	---	---	---	---
29	6.9	6.5	6.7	9.7	9.0	9.4	---	---	---	---	---	---
30	7.0	6.6	6.8	10.4	9.2	9.4	---	---	---	---	---	---
31	7.1	6.6	6.8	---	---	---	---	---	---	---	---	---
MONTH	7.7	6.4	7.0	10.4	6.8	8.0	10.6	9.2	10.1	---	---	---
	<b>FEBRUARY</b>			<b>MARCH</b>			<b>APRIL</b>			<b>MAY</b>		
1	---	---	---	---	---	---	10.3	10.0	10.2	7.6	7.3	7.4
2	---	---	---	---	---	---	10.4	9.7	10.1	7.7	7.3	7.5
3	---	---	---	---	---	---	10.4	9.6	9.9	7.7	7.3	7.5
4	---	---	---	---	---	---	10.3	9.8	10.1	7.4	7.0	7.2
5	---	---	---	---	---	---	10.4	10.2	10.3	7.4	7.1	7.2
6	---	---	---	---	---	---	10.6	10.3	10.4	7.1	6.9	7.0
7	---	---	---	---	---	---	10.5	10.2	10.3	7.3	7.1	7.2
8	---	---	---	---	---	---	10.3	9.9	10.1	7.6	7.1	7.3
9	---	---	---	---	---	---	10.2	9.8	10.0	7.7	7.2	7.4
10	---	---	---	---	---	---	10.1	9.6	9.9	7.6	7.4	7.6
11	---	---	---	---	---	---	9.8	9.4	9.6	7.6	7.3	7.5
12	---	---	---	---	---	---	9.6	9.2	9.4	7.6	7.2	7.4
13	---	---	---	---	---	---	9.4	9.0	9.2	7.5	7.1	7.3
14	---	---	---	---	---	---	9.1	8.9	9.0	7.4	7.2	7.3
15	---	---	---	---	---	---	9.3	9.0	9.2	7.3	6.8	7.1
16	---	---	---	---	---	---	9.3	9.2	9.2	7.1	6.7	6.9
17	---	---	---	---	---	---	9.2	9.1	9.1	6.9	6.2	6.7
18	---	---	---	---	---	---	9.1	8.8	8.9	6.9	6.4	6.6
19	---	---	---	---	---	---	8.9	8.8	8.8	6.9	6.5	6.7
20	---	---	---	---	---	---	8.9	8.5	8.6	7.1	6.6	6.8
21	---	---	---	---	---	---	8.6	8.4	8.5	7.0	6.7	6.8
22	---	---	---	---	---	---	8.5	8.3	8.4	6.7	6.3	6.5
23	---	---	---	---	---	---	8.4	8.2	8.2	6.4	6.1	6.2
24	---	---	---	---	---	---	8.2	8.1	8.1	6.2	5.7	6.0
25	---	---	---	---	---	---	8.3	8.1	8.2	6.2	5.8	6.0
26	---	---	---	---	---	---	8.2	8.0	8.1	6.1	5.6	5.8
27	---	---	---	---	---	---	8.1	7.7	7.9	5.9	5.5	5.7
28	---	---	---	---	---	---	8.0	7.6	7.8	5.9	5.3	5.7
29	---	---	---	---	---	---	7.9	7.5	7.7	5.8	5.5	5.6
30	---	---	---	10.2	9.7	9.9	7.6	7.4	7.5	5.9	5.4	5.6
31	---	---	---	10.3	10.1	10.2	---	---	---	6.1	5.4	5.7
MONTH	---	---	---	10.3	9.7	10.1	10.6	7.4	9.1	7.7	5.3	6.7

## DELAWARE RIVER BASIN

## 01477050 DELAWARE RIVER AT CHESTER, 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	6.4	5.5	5.9	5.4	4.2	4.6	5.2	4.5	4.7	---	---	---
2	6.5	5.7	6.1	5.0	3.9	4.3	5.2	4.5	4.8	---	---	---
3	6.5	5.8	6.2	4.8	3.6	4.2	5.0	4.2	4.7	---	---	---
4	6.5	5.7	6.1	4.8	4.1	4.4	5.1	4.1	4.6	---	---	---
5	6.3	5.3	5.9	5.0	4.2	4.6	5.1	4.2	4.8	---	---	---
6	6.4	5.3	6.0	5.1	4.2	4.5	5.3	4.4	4.9	---	---	---
7	6.5	5.6	6.0	4.9	4.0	4.5	5.3	4.3	4.8	---	---	---
8	6.5	5.3	5.8	5.5	4.6	5.1	5.2	4.4	4.8	---	---	---
9	---	---	---	5.3	4.2	4.8	5.1	4.4	4.8	6.0	5.1	5.6
10	---	---	---	4.6	4.0	4.3	5.0	4.2	4.6	6.0	5.2	5.6
11	6.0	5.3	5.5	4.6	4.1	4.3	5.1	4.1	4.5	6.0	5.2	5.5
12	5.6	5.1	5.3	4.7	4.2	4.4	5.2	4.1	4.5	6.1	5.2	5.6
13	5.3	4.9	5.1	4.8	4.3	4.6	5.3	4.3	4.7	6.1	5.1	5.5
14	5.3	4.8	5.0	4.7	4.2	4.5	5.5	4.3	4.8	6.1	5.1	5.5
15	5.3	4.7	5.0	4.6	3.9	4.3	5.5	4.6	4.9	5.9	4.7	5.3
16	5.3	4.8	5.0	4.5	3.8	4.1	5.5	4.5	4.9	5.8	4.4	5.2
17	---	---	---	4.5	3.9	4.2	5.5	4.4	4.9	5.6	4.2	5.0
18	---	---	---	4.4	3.7	4.0	5.4	4.1	4.9	5.5	4.4	5.0
19	---	---	---	4.2	3.4	3.7	5.5	4.4	4.9	5.4	4.3	4.9
20	---	---	---	4.0	3.4	3.7	5.5	4.3	4.9	5.4	4.6	5.0
21	5.4	4.3	4.9	4.2	3.5	3.8	5.4	4.2	4.9	5.4	4.7	5.0
22	5.4	4.2	4.8	4.2	3.5	3.9	5.5	4.5	5.0	5.6	4.6	5.1
23	5.3	3.9	4.8	4.4	3.6	4.1	---	---	---	5.6	4.8	5.2
24	5.4	4.2	5.0	4.5	4.0	4.3	---	---	---	6.2	5.0	5.6
25	5.5	4.5	5.0	4.8	4.3	4.6	5.5	4.7	5.2	6.2	5.6	5.9
26	5.4	4.5	5.0	4.7	4.2	4.5	5.5	4.8	5.1	6.5	5.7	6.0
27	5.4	4.5	4.9	4.8	4.2	4.5	5.7	4.8	5.2	6.9	5.7	6.0
28	---	---	---	4.9	4.2	4.5	5.5	4.8	5.2	6.9	5.7	6.2
29	---	---	---	5.0	4.2	4.5	---	---	---	6.7	6.0	6.4
30	---	---	---	4.9	4.3	4.5	---	---	---	6.7	6.0	6.4
31	---	---	---	5.0	4.3	4.6	---	---	---	---	---	---
MONTH	6.5	3.9	5.4	5.5	3.4	4.4	5.7	4.1	4.8	6.9	4.2	5.5

## DELAWARE RIVER BASIN

## 01477050 DELAWARE RIVER AT CHESTER, PA--Continued

## CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Sample loc- ation, cross section ft from rt bank (72103)	Sam- pling depth, feet (00003)	Dis- solved oxygen, mg/L (00300)	pH, water, unfiltrd field, std units (00400)	Specif. conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
SEP 2005									
12...	1153	1028	1028	366	1.00	5.8	7.1	917	26.2
12...	1154	1028	1028	366	5.00	5.7	7.1	918	26.2
12...	1155	1028	1028	366	10.0	5.6	7.1	915	26.2
12...	1156	1028	1028	366	15.0	5.5	7.1	907	26.2
12...	1157	1028	1028	366	20.0	5.7	7.2	908	26.2
12...	1158	1028	1028	366	25.0	5.7	7.1	907	26.2
12...	1203	1028	1028	721	1.00	5.5	7.2	923	26.0
12...	1204	1028	1028	721	5.00	5.6	7.2	925	26.0
12...	1205	1028	1028	721	10.0	5.6	7.2	922	26.0
12...	1206	1028	1028	721	15.0	5.6	7.2	918	26.0
12...	1207	1028	1028	721	20.0	5.5	7.1	917	26.0
12...	1208	1028	1028	721	25.0	5.5	7.1	921	26.0
12...	1211	1028	1028	1029	1.00	5.5	7.1	961	25.8
12...	1212	1028	1028	1029	5.00	5.7	7.1	948	25.8
12...	1213	1028	1028	1029	10.0	5.7	7.2	957	25.8
12...	1214	1028	1028	1029	15.0	5.6	7.2	960	25.8
12...	1215	1028	1028	1029	20.0	5.6	7.1	959	25.8
12...	1216	1028	1028	1029	25.0	5.5	7.1	964	25.7
12...	1217	1028	1028	1029	30.0	5.6	7.1	963	25.8
12...	1218	1028	1028	1029	35.0	5.7	7.1	963	25.7
12...	1219	1028	1028	1029	40.0	5.6	7.1	964	25.7
12...	1220	1028	1028	1029	45.0	5.5	7.2	964	25.7
12...	1226	1028	1028	1349	1.00	5.6	7.2	945	25.8
12...	1227	1028	1028	1349	5.00	5.6	7.2	946	25.7
12...	1228	1028	1028	1349	10.0	5.6	7.2	942	25.7
12...	1229	1028	1028	1349	15.0	5.6	7.2	941	25.7
12...	1230	1028	1028	1349	20.0	5.5	7.2	943	25.7
12...	1231	1028	1028	1349	25.0	5.6	7.2	941	25.7
12...	1232	1028	1028	1349	30.0	5.5	7.2	941	25.7
12...	1233	1028	1028	1349	35.0	5.5	7.2	943	25.7
12...	1234	1028	1028	1349	40.0	5.5	7.2	942	25.7
12...	1235	1028	1028	1349	45.0	5.5	7.2	941	25.7
12...	1236	1028	1028	1349	50.0	5.5	7.2	941	25.7
12...	1241	1028	1028	1939	1.00	5.5	7.1	942	25.7
12...	1242	1028	1028	1939	5.00	5.7	7.1	940	25.7
12...	1243	1028	1028	1939	10.0	5.6	7.1	943	25.7
12...	1244	1028	1028	1939	15.0	5.6	7.1	943	25.7
12...	1245	1028	1028	1939	20.0	5.6	7.1	944	25.7
12...	1246	1028	1028	1939	25.0	5.6	7.1	944	25.7
12...	1247	1028	1028	1939	30.0	5.6	7.1	944	25.7
12...	1248	1028	1028	1939	35.0	5.5	7.1	945	25.7
12...	1249	1028	1028	1939	40.0	5.6	7.1	944	25.7
12...	1250	1028	1028	1939	45.0	5.5	7.1	944	25.7
12...	1251	1028	1028	1939	50.0	5.4	7.1	943	25.7
12...	1253	1028	1028	2432	1.00	5.6	7.1	910	25.7
12...	1254	1028	1028	2432	5.00	5.7	7.1	908	25.7
12...	1255	1028	1028	2432	10.0	5.5	7.1	911	25.7
12...	1256	1028	1028	2432	15.0	5.6	7.1	910	25.7
12...	1257	1028	1028	2432	20.0	5.6	7.1	910	25.7
12...	1258	1028	1028	2432	25.0	5.6	7.1	910	25.7
12...	1259	1028	1028	2432	30.0	5.6	7.1	911	25.7
12...	1300	1028	1028	2432	35.0	5.6	7.1	910	25.7
12...	1304	1028	1028	2917	1.00	5.7	7.1	939	25.8
12...	1305	1028	1028	2917	5.00	5.9	7.1	939	25.7
12...	1307	1028	1028	3362	1.00	5.9	7.2	944	26.1
12...	1308	1028	1028	3362	5.00	6.0	7.2	952	25.9
12...	1312	1028	1028	3776	1.00	6.2	7.2	1030	26.3
12...	1313	1028	1028	3776	2.50	6.4	7.2	1020	26.2
12...	1316	1028	1028	4227	1.00	6.5	7.2	1040	26.3
12...	1317	1028	1028	4227	2.50	6.6	7.2	1040	26.2
12...	1318	1028	1028	4227	5.00	6.5	7.2	1040	26.2
12...	1321	1028	1028	4648	1.00	6.2	7.2	1010	26.0
12...	1322	1028	1028	4648	2.50	6.3	7.2	1010	26.0
12...	1323	1028	1028	4648	5.00	6.2	7.2	1010	26.0
12...	1327	1028	1028	5069	1.00	6.1	7.2	982	25.9
12...	1328	1028	1028	5069	2.50	6.3	7.2	981	25.9
12...	1333	1028	1028	5442	1.00	6.0	7.2	936	25.9
12...	1334	1028	1028	5442	2.50	6.1	7.2	935	25.9
12...	1336	1028	1028	5710	1.00	6.0	7.2	931	25.8
12...	1337	1028	1028	5710	5.00	6.2	7.2	933	25.8
12...	1338	1028	1028	5710	10.0	6.2	7.2	936	25.8
12...	1339	1028	1028	5710	15.0	6.2	7.2	939	25.4
12...	1340	1028	1028	5800	--	--	--	--	--