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^2, 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 TEMPERATURES: 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, pH, water temperature, and dissolved oxygen records rated good. 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 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	304	293	299	603	378	466	547	395	479	---	---	---
2	311	299	305	717	397	510	538	413	480	---	---	---
3	319	299	305	772	414	530	506	417	461	---	---	---
4	321	294	302	695	419	522	---	---	---	---	---	---
5	298	258	290	---	---	---	---	---	---	---	---	---
6	301	274	290	---	---	---	---	---	---	---	---	---
7	295	282	290	---	---	---	---	---	---	---	---	---
8	295	285	291	---	---	---	---	---	---	---	---	---
9	298	287	293	---	---	---	---	---	---	---	---	---
10	307	294	298	1200	442	772	---	---	---	---	---	---
11	302	295	298	818	451	606	---	---	---	---	---	---
12	302	295	297	1390	478	736	---	---	---	---	---	---
13	307	294	301	1330	493	783	---	---	---	---	---	---
14	310	300	306	1380	513	789	---	---	---	---	---	---
15	325	304	311	881	494	653	---	---	---	---	---	---
16	329	308	318	914	476	629	---	---	---	---	---	---
17	389	309	339	721	468	587	---	---	---	---	---	---
18	396	314	350	800	449	573	---	---	---	---	---	---
19	367	316	341	833	468	596	---	---	---	---	---	---
20	390	314	346	862	469	605	---	---	---	---	---	---
21	371	320	345	862	469	571	---	---	---	---	---	---
22	365	317	338	654	450	529	---	---	---	---	---	---
23	365	323	342	618	433	530	---	---	---	---	---	---
24	381	331	353	1030	470	645	---	---	---	---	---	---
25	380	327	351	1030	485	667	---	---	---	---	---	---
26	391	332	357	1450	375	777	---	---	---	---	---	---
27	431	339	381	839	451	636	---	---	---	---	---	---
28	443	350	392	664	427	560	---	---	---	---	---	---
29	409	349	379	616	429	528	---	---	---	---	---	---
30	426	361	391	571	394	489	---	---	---	---	---	---
31	509	366	412	---	---	---	---	---	---	---	---	---
MONTH	509	258	329	1450	375	612	547	395	473	---	---	---

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	300	233	248	282	221	233
2	---	---	---	---	---	---	286	217	232	259	221	229
3	---	---	---	---	---	---	298	211	224	---	---	---
4	---	---	---	---	---	---	264	211	222	269	227	236
5	---	---	---	---	---	---	---	---	---	275	230	243
6	---	---	---	---	---	---	292	215	226	295	235	248
7	---	---	---	---	---	---	270	212	221	293	242	253
8	---	---	---	---	---	---	263	209	217	274	246	253
9	---	---	---	---	---	---	262	205	215	277	248	254
10	---	---	---	---	---	---	242	199	209	290	247	255
11	---	---	---	---	---	---	239	200	209	288	248	255
12	---	---	---	---	---	---	299	204	223	298	248	257
13	---	---	---	---	---	---	---	---	---	302	253	262
14	---	---	---	---	---	---	---	---	---	299	253	263
15	---	---	---	---	---	---	---	---	---	295	257	265
16	---	---	---	---	---	---	277	175	190	292	257	265
17	---	---	---	---	---	---	302	175	194	284	260	268
18	---	---	---	---	---	---	323	175	203	290	270	277
19	---	---	---	---	---	---	265	175	192	302	274	283
20	---	---	---	---	---	---	253	181	198	312	278	286
21	---	---	---	---	---	---	262	186	201	297	282	288
22	---	---	---	---	---	---	281	191	204	291	260	286
23	---	---	---	---	---	---	219	191	199	299	284	289
24	---	---	---	---	---	---	214	190	197	314	291	297
25	---	---	---	---	---	---	271	192	204	319	297	304
26	---	---	---	---	---	---	281	200	212	318	287	303
27	---	---	---	---	---	---	289	204	220	289	231	274
28	---	---	---	331	269	279	275	213	225	294	278	290
29	---	---	---	324	261	273	270	217	228	298	291	296
30	---	---	---	340	206	251	274	221	233	311	292	298
31	---	---	---	268	222	241	---	---	---	300	288	293
MONTH	---	---	---	340	206	261	323	175	213	319	221	270

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	303	289	293	284	258	266	496	352	400	786	420	544
2	290	275	284	279	260	265	478	370	413	716	419	557
3	285	277	282	269	259	264	496	373	424	891	431	596
4	291	278	283	271	262	266	498	377	427	---	---	---
5	297	279	286	275	261	266	528	380	438	803	420	587
6	294	280	284	277	264	268	520	382	434	826	444	609
7	309	280	288	280	266	272	489	372	425	840	459	630
8	315	283	288	284	270	275	494	371	428	---	---	---
9	321	284	288	282	267	273	527	373	446	---	---	---
10	321	278	288	291	267	272	541	385	450	---	---	---
11	301	277	284	288	267	272	504	376	431	918	474	644
12	341	278	286	285	270	277	494	381	430	1260	471	713
13	316	277	285	304	280	285	456	365	403	1170	520	725
14	324	277	285	300	281	285	417	360	385	1180	498	707
15	318	279	287	305	281	287	442	365	390	1380	513	796
16	346	278	291	300	282	289	448	366	395	1460	527	824
17	287	199	236	300	285	290	450	364	397	1300	533	837
18	---	---	---	297	286	291	435	358	390	1230	554	851
19	273	257	267	304	290	293	463	360	399	1280	590	893
20	269	246	260	309	292	298	493	368	416	1360	647	948
21	256	241	251	317	292	300	506	371	426	1270	625	912
22	256	242	253	317	293	303	---	---	---	1210	609	868
23	258	247	254	327	296	308	---	---	---	1120	588	815
24	262	247	251	332	300	316	600	441	508	1250	606	839
25	263	249	255	340	305	319	697	438	531	1020	589	803
26	274	254	259	339	306	323	711	430	536	952	540	721
27	274	251	258	368	316	339	652	431	517	---	---	---
28	287	252	258	379	326	346	672	424	510	840	483	616
29	282	253	261	400	336	358	720	432	524	841	480	617
30	277	256	262	457	346	370	722	418	528	1170	535	763
31	---	---	---	457	347	388	765	420	543	---	---	---
MONTH	346	199	273	457	258	298	765	352	446	1460	419	737

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			**NOVEMBER**			**DECEMBER**			**JANUARY**		
1	6.9	6.8	6.9	7.2	7.1	7.2	7.1	7.1	7.1	---	---	---
2	7.0	6.8	6.9	7.3	7.1	7.2	7.1	7.1	7.1	---	---	---
3	6.9	6.8	6.9	7.2	7.1	7.2	7.2	7.0	7.1	---	---	---
4	6.9	6.8	6.9	7.2	7.0	7.1	---	---	---	---	---	---
5	6.9	6.8	6.9	---	---	---	---	---	---	---	---	---
6	6.9	6.8	6.9	---	---	---	---	---	---	---	---	---
7	6.9	6.8	6.8	---	---	---	---	---	---	---	---	---
8	6.9	6.8	6.9	---	---	---	---	---	---	---	---	---
9	7.0	6.9	6.9	---	---	---	---	---	---	---	---	---
10	7.0	7.0	7.0	7.3	7.2	7.3	---	---	---	---	---	---
11	7.0	6.8	7.0	7.3	7.2	7.3	---	---	---	---	---	---
12	7.0	6.9	7.0	7.4	7.2	7.3	---	---	---	---	---	---
13	7.0	6.9	6.9	7.4	7.3	7.3	---	---	---	---	---	---
14	7.0	6.8	6.9	7.4	7.3	7.3	---	---	---	---	---	---
15	6.9	6.8	6.8	7.4	7.2	7.3	---	---	---	---	---	---
16	6.9	6.8	6.8	7.3	7.2	7.3	---	---	---	---	---	---
17	7.1	6.9	7.0	7.3	7.1	7.3	---	---	---	---	---	---
18	7.1	7.0	7.0	7.3	7.2	7.2	---	---	---	---	---	---
19	7.0	6.9	7.0	7.3	7.2	7.3	---	---	---	---	---	---
20	7.1	6.9	7.0	7.3	7.3	7.3	---	---	---	---	---	---
21	7.1	6.9	7.0	7.4	7.3	7.3	---	---	---	---	---	---
22	7.0	6.8	6.9	7.4	7.2	7.3	---	---	---	---	---	---
23	7.0	6.9	7.0	7.4	7.2	7.3	---	---	---	---	---	---
24	7.0	6.9	6.9	7.3	7.2	7.2	---	---	---	---	---	---
25	6.9	6.8	6.8	7.2	7.1	7.2	---	---	---	---	---	---
26	6.9	6.8	6.9	7.1	6.9	7.1	---	---	---	---	---	---
27	7.0	6.8	6.9	7.1	6.9	7.0	---	---	---	---	---	---
28	7.0	6.9	6.9	7.1	6.9	7.0	---	---	---	---	---	---
29	7.0	7.0	7.0	7.1	6.9	7.1	---	---	---	---	---	---
30	7.1	7.0	7.1	7.1	7.0	7.1	---	---	---	---	---	---
31	7.1	7.1	7.1	---	---	---	---	---	---	---	---	---
MAX	7.1	7.1	7.1	7.4	7.3	7.3	7.2	7.1	7.1	---	---	---
MIN	6.9	6.8	6.8	7.1	6.9	7.0	7.1	7.0	7.1	---	---	---

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

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.3	7.2	7.2	6.9	6.8	6.8	7.1	7.0	7.1	7.2	7.0	7.1
2	7.2	7.2	7.2	7.0	6.8	6.9	7.1	7.0	7.1	7.2	7.0	7.1
3	7.3	7.2	7.2	7.0	6.9	7.0	7.2	7.0	7.1	7.2	7.0	7.1
4	7.3	7.2	7.3	7.0	6.9	7.0	7.2	7.0	7.1	7.2	7.0	7.1
5	7.4	7.2	7.3	7.0	6.9	7.0	7.1	7.0	7.0	7.2	7.0	7.1
6	7.4	7.2	7.3	7.0	6.9	7.0	7.1	7.0	7.0	7.2	7.0	7.1
7	7.3	7.2	7.2	7.1	7.0	7.0	7.1	7.0	7.0	7.2	7.0	7.1
8	7.2	7.2	7.2	7.1	7.0	7.1	7.1	6.9	7.0	---	---	---
9	7.2	7.1	7.1	7.0	7.0	7.0	7.1	6.9	7.0	---	---	---
10	7.1	7.0	7.1	7.0	7.0	7.0	7.1	6.9	7.0	---	---	---
11	7.1	7.0	7.1	7.0	6.9	7.0	7.0	6.9	6.9	7.2	7.0	7.1
12	7.1	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	7.3	7.0	7.1
13	7.0	6.9	7.0	7.0	7.0	7.0	7.0	6.8	6.9	7.3	7.0	7.1
14	7.0	6.9	6.9	7.0	6.9	7.0	7.0	6.8	6.9	7.3	7.0	7.1
15	6.9	6.9	6.9	7.0	6.9	7.0	7.0	6.9	6.9	7.3	7.1	7.2
16	7.0	6.8	6.9	7.0	6.9	6.9	7.1	6.9	7.0	7.3	7.1	7.2
17	6.9	6.7	6.8	7.0	6.8	6.9	7.1	6.9	7.0	7.3	7.0	7.1
18	---	---	---	6.9	6.9	6.9	7.1	6.9	7.0	7.3	7.0	7.1
19	6.9	6.8	6.8	7.0	6.9	7.0	7.1	6.9	7.0	7.2	7.0	7.1
20	6.8	6.8	6.8	7.1	6.9	7.0	7.1	6.9	7.0	7.2	7.1	7.2
21	6.8	6.8	6.8	7.0	6.9	7.0	7.1	6.9	7.0	7.2	7.0	7.1
22	6.9	6.8	6.8	7.1	6.9	7.0	---	---	---	7.2	7.0	7.1
23	6.9	6.8	6.8	7.1	6.9	7.0	---	---	---	7.1	7.0	7.0
24	6.9	6.8	6.8	7.0	7.0	7.0	7.1	6.9	7.0	7.2	7.0	7.1
25	6.8	6.8	6.8	7.1	7.0	7.0	7.1	6.9	7.0	7.2	7.1	7.1
26	6.8	6.8	6.8	7.1	6.9	7.0	7.2	6.9	7.1	7.2	7.1	7.1
27	6.8	6.8	6.8	7.1	7.0	7.0	7.2	7.0	7.1	7.2	7.1	7.1
28	6.8	6.7	6.8	7.1	7.0	7.0	7.2	7.0	7.1	7.2	7.1	7.1
29	6.8	6.8	6.8	7.1	7.0	7.0	7.2	7.0	7.1	7.2	7.1	7.2
30	6.8	6.8	6.8	7.1	7.0	7.1	7.2	6.9	7.1	7.3	7.2	7.2
31	---	---	---	7.1	7.0	7.1	7.2	7.0	7.1	---	---	---
MAX	7.4	7.2	7.3	7.1	7.0	7.1	7.2	7.0	7.1	7.3	7.2	7.2
MIN	6.8	6.7	6.8	6.9	6.8	6.8	7.0	6.8	6.9	7.1	7.0	7.0

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.5	19.5	20.0	16.0	15.0	15.5	9.0	8.0	8.5	---	---	---
2	20.5	19.5	20.0	15.5	15.0	15.0	8.5	7.5	8.0	---	---	---
3	21.0	20.0	20.5	15.5	15.0	15.0	7.5	6.0	7.0	---	---	---
4	21.5	20.5	21.0	15.5	15.0	15.0	---	---	---	---	---	---
5	21.0	19.5	20.5	---	---	---	---	---	---	---	---	---
6	21.0	20.0	20.5	---	---	---	---	---	---	---	---	---
7	20.5	19.5	20.0	---	---	---	---	---	---	---	---	---
8	20.0	18.5	19.0	---	---	---	---	---	---	---	---	---
9	19.0	17.5	18.5	---	---	---	---	---	---	---	---	---
10	18.0	17.0	17.5	14.5	13.5	14.0	---	---	---	---	---	---
11	18.0	16.5	17.5	14.0	13.5	14.0	---	---	---	---	---	---
12	18.0	17.0	17.5	13.5	13.0	13.5	---	---	---	---	---	---
13	18.0	17.0	17.5	13.5	13.0	13.5	---	---	---	---	---	---
14	18.5	17.5	18.0	13.5	12.5	13.5	---	---	---	---	---	---
15	18.5	17.5	18.0	13.0	12.0	12.5	---	---	---	---	---	---
16	18.5	18.0	18.0	12.5	11.5	12.0	---	---	---	---	---	---
17	18.5	18.0	18.0	12.5	11.5	12.0	---	---	---	---	---	---
18	18.5	18.0	18.0	12.0	11.0	11.5	---	---	---	---	---	---
19	18.5	17.5	18.0	11.5	10.0	11.0	---	---	---	---	---	---
20	18.5	17.0	18.0	11.0	10.0	10.5	---	---	---	---	---	---
21	18.5	17.0	18.0	10.5	9.0	10.0	---	---	---	---	---	---
22	18.5	17.5	18.0	9.5	7.0	9.0	---	---	---	---	---	---
23	18.0	16.5	17.5	9.5	7.5	9.0	---	---	---	---	---	---
24	18.0	17.0	17.5	9.0	8.0	8.5	---	---	---	---	---	---
25	18.5	17.5	18.0	8.5	7.5	8.0	---	---	---	---	---	---
26	18.0	17.0	17.5	8.5	7.5	8.5	---	---	---	---	---	---
27	18.0	17.5	17.5	9.0	8.5	8.5	---	---	---	---	---	---
28	18.0	16.5	17.5	9.0	8.5	9.0	---	---	---	---	---	---
29	17.0	15.5	16.5	9.5	8.5	9.0	---	---	---	---	---	---
30	16.0	15.0	16.0	9.0	8.0	8.5	---	---	---	---	---	---
31	16.0	15.0	15.5	---	---	---	---	---	---	---	---	---
MONTH	21.5	15.0	18.2	16.0	7.0	11.5	9.0	6.0	7.8	---	---	---

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	8.5	7.5	7.5	17.5	15.5	16.0
2	---	---	---	---	---	---	8.5	7.5	7.5	18.0	16.0	17.0
3	---	---	---	---	---	---	9.5	7.5	8.0	---	---	---
4	---	---	---	---	---	---	10.0	8.0	8.5	19.0	17.5	18.0
5	---	---	---	---	---	---	---	---	---	19.5	18.0	18.5
6	---	---	---	---	---	---	10.0	9.0	9.0	19.0	18.0	18.5
7	---	---	---	---	---	---	9.5	9.0	9.0	18.5	17.5	18.0
8	---	---	---	---	---	---	9.5	8.5	9.0	19.0	18.0	18.5
9	---	---	---	---	---	---	12.0	9.0	9.5	19.0	18.5	19.0
10	---	---	---	---	---	---	12.0	10.0	10.5	20.0	18.5	19.5
11	---	---	---	---	---	---	12.0	10.5	11.0	20.5	19.0	20.0
12	---	---	---	---	---	---	12.0	10.5	11.5	21.0	19.5	20.5
13	---	---	---	---	---	---	---	---	---	21.0	20.0	20.0
14	---	---	---	---	---	---	---	---	---	20.5	19.5	20.0
15	---	---	---	---	---	---	---	---	---	20.0	19.0	19.5
16	---	---	---	---	---	---	13.0	11.5	12.0	20.0	19.0	19.5
17	---	---	---	---	---	---	12.5	11.5	12.0	19.5	19.0	19.5
18	---	---	---	---	---	---	12.5	11.0	11.5	19.0	18.5	19.0
19	---	---	---	---	---	---	12.5	11.0	11.5	20.0	18.5	19.5
20	---	---	---	---	---	---	12.5	11.5	12.0	19.5	19.0	19.5
21	---	---	---	---	---	---	13.5	12.0	12.5	19.5	18.0	19.0
22	---	---	---	---	---	---	14.5	12.5	13.5	19.5	17.0	19.0
23	---	---	---	---	---	---	15.5	13.0	14.0	19.5	18.0	19.5
24	---	---	---	---	---	---	15.5	14.0	15.0	20.5	19.5	20.0
25	---	---	---	---	---	---	15.0	14.5	14.5	20.5	19.5	20.0
26	---	---	---	---	---	---	15.0	14.0	14.5	20.0	18.5	19.5
27	---	---	---	---	---	---	15.5	14.0	15.0	20.0	17.5	19.0
28	---	---	---	8.5	7.5	8.0	16.0	14.5	15.0	20.5	19.0	19.5
29	---	---	---	8.5	8.0	8.0	16.0	14.5	15.0	20.5	19.5	20.0
30	---	---	---	8.0	7.5	7.5	16.5	15.0	15.5	20.5	19.5	20.0
31	---	---	---	8.0	7.5	7.5	---	---	---	20.5	19.0	19.5
MONTH	---	---	---	8.5	7.5	7.8	16.5	7.5	11.7	21.0	15.5	19.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	19.0	19.5	29.0	27.5	28.0	27.5	26.0	26.5	28.0	27.5	27.5
2	20.0	17.5	19.5	28.0	26.5	27.5	27.5	26.5	27.0	27.5	26.5	27.0
3	20.0	19.0	20.0	27.0	26.0	27.0	27.5	26.5	27.0	27.5	26.5	27.0
4	20.5	19.0	20.0	27.5	26.5	27.0	27.5	26.5	27.0	---	---	---
5	21.0	20.0	20.5	27.0	26.5	27.0	27.5	26.5	27.0	27.0	26.0	26.5
6	21.0	20.5	20.5	27.0	26.5	27.0	28.5	27.0	27.5	27.0	26.0	26.5
7	21.0	20.5	21.0	27.0	26.0	26.5	28.5	27.5	28.0	27.0	26.0	26.5
8	21.5	20.5	21.0	26.5	26.0	26.5	29.0	27.5	28.0	---	---	---
9	21.5	21.0	21.5	27.5	26.5	27.0	29.5	28.0	28.5	---	---	---
10	22.0	21.0	21.5	28.0	27.0	27.0	29.5	28.5	29.0	---	---	---
11	22.5	21.5	22.0	27.5	27.0	27.0	29.0	28.5	29.0	27.0	26.0	26.5
12	24.0	22.0	23.0	27.5	26.5	27.0	29.0	28.5	28.5	26.5	26.0	26.0
13	24.5	23.0	23.5	27.5	26.5	26.5	28.5	28.0	28.5	26.5	25.5	26.0
14	25.0	23.5	24.0	27.0	26.0	26.5	28.5	28.0	28.5	26.0	25.0	25.5
15	25.0	24.0	24.5	27.0	26.0	26.5	29.0	28.0	28.5	25.0	24.0	24.5
16	25.0	24.0	24.5	27.5	26.0	26.5	29.0	28.0	28.5	24.5	23.5	24.0
17	---	---	---	28.0	26.5	27.0	29.0	28.0	28.5	24.5	23.5	24.0
18	---	---	---	27.5	26.5	27.0	28.5	28.0	28.0	24.5	24.0	24.0
19	26.0	24.0	25.0	27.5	26.5	27.0	28.0	28.0	28.0	24.5	24.0	24.0
20	26.0	24.5	25.5	27.0	26.5	26.5	29.0	28.0	28.0	24.5	24.0	24.0
21	26.0	25.0	25.5	27.5	26.0	26.5	28.5	28.0	28.0	24.5	23.5	24.0
22	26.0	25.0	25.5	27.5	26.5	27.0	---	---	---	25.0	24.0	24.5
23	26.0	25.5	26.0	27.5	26.5	27.0	---	---	---	25.0	24.0	24.5
24	26.0	25.5	25.5	28.0	27.0	27.5	28.0	27.5	27.5	25.0	24.0	24.5
25	26.5	25.0	26.0	28.5	27.5	28.0	28.0	27.5	27.5	25.0	24.0	24.5
26	27.0	25.5	26.0	28.5	27.5	28.0	28.0	27.0	27.5	24.0	23.5	23.5
27	28.0	26.0	27.0	28.0	27.0	27.5	28.0	27.0	27.5	---	---	---
28	28.0	26.5	27.5	27.5	27.0	27.0	28.5	27.5	28.0	23.0	22.0	22.5
29	28.5	27.0	27.5	27.0	26.5	26.5	28.5	27.5	28.0	22.5	21.5	22.0
30	29.0	27.5	28.0	27.0	26.0	26.5	28.0	27.5	28.0	21.5	20.5	21.0
31	---	---	---	27.0	26.0	26.5	28.5	27.5	28.0	---	---	---
MONTH	29.0	17.5	23.6	29.0	26.0	27.0	29.5	26.0	27.9	28.0	20.5	24.8

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.8	5.1	5.4	7.5	7.2	7.3	---	---	---	---	---	---
2	5.8	5.1	5.4	7.6	7.3	7.5	---	---	---	---	---	---
3	5.5	5.1	5.3	7.6	7.3	7.5	---	---	---	---	---	---
4	5.6	5.1	5.3	7.5	7.1	7.3	---	---	---	---	---	---
5	6.5	5.2	5.6	7.4	7.2	7.3	---	---	---	---	---	---
6	5.5	5.0	5.3	---	---	---	---	---	---	---	---	---
7	5.6	4.8	5.2	---	---	---	---	---	---	---	---	---
8	5.7	4.8	5.3	---	---	---	---	---	---	---	---	---
9	6.1	5.2	5.6	---	---	---	---	---	---	---	---	---
10	6.5	5.5	5.9	---	---	---	---	---	---	---	---	---
11	6.7	5.6	6.2	---	---	---	---	---	---	---	---	---
12	6.5	5.6	6.1	---	---	---	---	---	---	---	---	---
13	6.7	5.3	6.2	---	---	---	---	---	---	---	---	---
14	5.5	4.8	5.2	---	---	---	---	---	---	---	---	---
15	5.5	5.0	5.2	---	---	---	---	---	---	---	---	---
16	5.5	4.9	5.1	---	---	---	---	---	---	---	---	---
17	6.1	5.1	5.5	---	---	---	---	---	---	---	---	---
18	6.0	5.1	5.5	---	---	---	---	---	---	---	---	---
19	5.9	5.2	5.5	---	---	---	---	---	---	---	---	---
20	6.0	5.2	5.5	---	---	---	---	---	---	---	---	---
21	6.1	5.4	5.7	---	---	---	---	---	---	---	---	---
22	6.3	5.4	5.7	---	---	---	---	---	---	---	---	---
23	6.5	5.5	5.9	---	---	---	---	---	---	---	---	---
24	6.2	5.7	5.9	---	---	---	---	---	---	---	---	---
25	5.9	5.6	5.7	---	---	---	---	---	---	---	---	---
26	5.9	5.5	5.7	---	---	---	---	---	---	---	---	---
27	6.0	5.4	5.8	---	---	---	---	---	---	---	---	---
28	6.2	5.6	5.9	---	---	---	---	---	---	---	---	---
29	6.8	6.0	6.3	---	---	---	---	---	---	---	---	---
30	7.2	6.6	6.9	---	---	---	---	---	---	---	---	---
31	7.4	7.0	7.2	---	---	---	---	---	---	---	---	---
MONTH	7.4	4.8	5.7	7.6	7.1	7.4	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	10.5	10.3	10.5	9.6	8.9	9.2
2	---	---	---	---	---	---	10.6	10.4	10.5	9.7	8.8	9.1
3	---	---	---	---	---	---	10.8	10.5	10.6	---	---	---
4	---	---	---	---	---	---	10.6	10.3	10.5	9.7	8.3	9.1
5	---	---	---	---	---	---	---	---	---	9.4	8.2	8.9
6	---	---	---	---	---	---	10.6	10.0	10.3	9.6	8.4	9.1
7	---	---	---	---	---	---	10.9	10.0	10.3	9.9	8.8	9.4
8	---	---	---	---	---	---	10.9	10.2	10.3	10.1	8.9	9.5
9	---	---	---	---	---	---	10.6	10.0	10.3	9.8	8.8	9.3
10	---	---	---	---	---	---	10.6	9.6	10.1	9.4	8.5	9.0
11	---	---	---	---	---	---	10.3	9.6	10.0	9.2	8.1	8.6
12	---	---	---	---	---	---	10.4	9.6	9.9	8.6	7.8	8.1
13	---	---	---	---	---	---	---	---	---	8.1	7.2	7.7
14	---	---	---	---	---	---	---	---	---	7.8	6.9	7.4
15	---	---	---	---	---	---	---	---	---	7.4	6.6	7.0
16	---	---	---	---	---	---	9.9	9.7	9.8	7.0	6.4	6.8
17	---	---	---	---	---	---	10.4	9.3	9.8	7.0	6.5	6.8
18	---	---	---	---	---	---	11.3	9.5	9.9	6.8	6.4	6.6
19	---	---	---	---	---	---	10.7	9.7	9.9	6.5	5.9	6.2
20	---	---	---	---	---	---	10.6	9.6	9.8	6.6	5.7	6.2
21	---	---	---	---	---	---	10.3	9.5	9.7	7.0	6.2	6.5
22	---	---	---	---	---	---	9.8	8.9	9.5	7.2	6.0	6.4
23	---	---	---	---	---	---	9.7	9.2	9.5	6.9	5.3	5.9
24	---	---	---	---	---	---	9.6	9.2	9.4	5.4	4.9	5.2
25	---	---	---	---	---	---	9.5	8.9	9.3	5.8	4.9	5.3
26	---	---	---	---	---	---	9.5	9.0	9.3	6.5	5.4	5.8
27	---	---	---	---	---	---	9.5	8.9	9.2	7.6	5.4	6.2
28	---	---	---	11.2	10.3	10.5	9.4	8.8	9.2	6.5	5.3	5.7
29	---	---	---	10.8	10.2	10.4	9.6	8.8	9.2	6.6	5.3	5.9
30	---	---	---	11.0	10.3	10.6	9.6	8.9	9.2	7.5	5.6	6.2
31	---	---	---	10.6	10.2	10.4	---	---	---	7.8	6.0	6.6
MONTH	---	---	---	11.2	10.2	10.5	11.3	8.8	9.8	10.1	4.9	7.3

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	6.4	6.9	5.6	3.8	4.5	5.8	5.0	5.4	5.9	4.6	5.1
2	7.9	6.8	7.2	6.7	4.5	5.5	5.8	4.7	5.4	5.8	4.6	5.3
3	7.9	6.6	7.2	7.1	5.4	6.1	6.1	5.0	5.6	5.9	4.8	5.5
4	9.0	6.9	7.8	6.9	6.1	6.5	6.0	4.9	5.4	---	---	---
5	9.2	7.0	8.2	6.8	5.8	6.4	5.8	4.7	5.3	5.7	5.0	5.4
6	8.9	7.4	8.5 v	7.1	6.1	6.6	5.6	4.6	5.1	5.8	5.0	5.5
7	8.9	7.7	8.0	7.6	6.3	7.0	5.5	4.6	5.1	5.8	5.1	5.5
8	8.0	7.1	7.6	7.6	6.9	7.1	5.3	4.5	5.0	---	---	---
9	7.7	6.8	7.2	7.5	6.5	7.0	5.4	4.4	4.9	---	---	---
10	7.4	6.3	6.7	7.2	6.4	6.9	5.2	4.3	4.8	---	---	---
11	6.9	6.0	6.4	6.9	6.1	6.6	4.8	3.8	4.3	5.7	4.8	5.2
12	7.0	5.5	5.9	6.6	5.9	6.4	4.6	3.5	4.0	5.9	4.7	5.2
13	5.9	5.1	5.5	6.5	5.7	6.1	4.2	3.6	3.9	5.9	4.8	5.4
14	5.3	4.6	5.1	6.4	5.6	6.0	4.1	3.4	3.7	5.9	4.9	5.4
15	5.0	4.4	4.7	6.5	5.5	5.9	4.3	3.2	3.8	6.0	4.9	5.5
16	5.3	4.2	4.5	6.2	5.4	5.7	4.6	3.3	3.9	6.1	5.0	5.6
17	---	---	---	5.9	5.2	5.4	4.6	3.8	4.3	6.0	5.0	5.5
18	---	---	---	5.4	5.0	5.2	4.8	3.8	4.3	5.9	4.9	5.5
19	4.5	3.4	3.7	5.6	4.8	5.2	4.6	3.7	4.2	5.7	4.8	5.3
20	4.1	3.4	3.7	5.5	4.7	5.2	4.6	3.6	4.2	5.8	4.8	5.4
21	4.2	3.2	3.6	5.4	4.6	5.0	4.6	3.9	4.3	5.7	5.1	5.4
22	4.4	3.4	3.9	5.2	4.5	5.0	---	---	---	5.5	4.8	5.2
23	4.5	3.6	4.0	5.5	4.8	5.1	---	---	---	5.2	4.5	4.9
24	4.4	3.6	3.8	5.5	5.0	5.2	5.0	4.2	4.5	5.8	4.5	5.0
25	4.0	3.4	3.6	5.5	5.0	5.3	5.2	4.1	4.6	5.8	5.0	5.4
26	4.0	3.2	3.5	5.5	4.8	5.2	5.4	4.5	4.9	5.7	4.6	5.3
27	4.2	3.2	3.5	5.6	4.8	5.2	5.5	4.7	5.2	---	---	---
28	4.1	3.2	3.5	5.5	5.0	5.2	5.7	4.7	5.1	5.6	5.1	5.3
29	4.6	3.1	3.7	5.5	4.8	5.2	5.7	4.7	5.2	6.0	5.2	5.4
30	4.7	3.7	4.1	5.8	4.9	5.4	5.8	4.5	5.2	6.5	5.5	6.0
31	---	---	---	5.8	5.2	5.5	5.8	4.6	5.2	---	---	---
MONTH	9.2	3.1	5.4	7.6	3.8	5.8	6.1	3.2	4.7	6.5	4.5	5.4

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA--Continued

CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SAM-PLING DEPTH (FEET) (00003)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)
JUL 2001								
19...	1119	3860	0	--	--	--	--	0
19...	1120	--	1	7.2	7.9	294	25.7	164
19...	1121	--	5	7.2	7.9	294	25.7	164
19...	1123	--	1	7.2	7.8	293	25.8	525
19...	1124	--	5	7.0	7.8	294	25.6	525
19...	1126	--	1	7.0	7.6	293	26.0	886
19...	1127	--	5	6.9	7.6	293	25.9	886
19...	1129	--	1	6.8	7.6	293	25.9	1250
19...	1130	--	5	6.8	7.6	293	25.8	1250
19...	1131	--	1	7.0	7.5	293	25.9	1610
19...	1132	--	5	6.9	7.5	293	25.8	1610
19...	1135	--	1	7.2	7.5	293	25.9	1970
19...	1136	--	5	7.0	7.5	293	25.9	1970
19...	1137	--	10	7.1	7.5	293	25.8	1970
19...	1139	--	1	7.0	7.4	300	26.0	2360
19...	1140	--	5	7.0	7.4	299	26.1	2360
19...	1141	--	10	7.0	7.4	299	26.1	2360
19...	1142	--	15	6.9	7.4	299	26.1	2360
19...	1143	--	20	6.6	7.4	299	26.1	2360
19...	1144	--	1	7.0	7.4	300	26.1	2620
19...	1145	--	5	7.0	7.4	300	26.1	2620
19...	1146	--	15	7.0	7.4	300	26.1	2620
19...	1147	--	10	6.9	7.3	300	26.1	2620
19...	1148	--	20	7.0	7.3	300	26.1	2620
19...	1149	--	1	6.9	7.4	304	26.1	3020
19...	1150	--	5	6.9	7.4	303	26.1	3020
19...	1151	--	10	6.9	7.4	303	26.1	3020
19...	1152	--	15	6.9	7.3	303	26.1	3020
19...	1153	--	20	7.0	7.3	303	26.1	3020
19...	1154	--	1	6.7	7.3	302	26.3	3350
19...	1155	--	5	6.6	7.3	305	26.2	3350
19...	1156	--	10	6.6	7.3	303	26.3	3350
19...	1157	--	15	6.7	7.3	304	26.2	3350
19...	1158	--	20	6.6	7.3	305	26.2	3350
19...	1159	--	25	6.5	7.3	306	26.2	3350
19...	1200	--	30	6.6	7.3	305	26.1	3350
19...	1201	--	35	6.6	7.3	305	26.1	3350
19...	1202	--	40	6.7	7.3	304	26.1	3350
19...	1203	--	45	6.6	7.3	305	26.1	3350
19...	1204	--	50	6.6	7.3	305	26.1	3350
19...	1205	--	1	6.7	7.3	301	26.4	3770
19...	1206	--	5	6.5	7.3	302	26.3	3770
19...	1207	--	10	6.5	7.3	305	26.2	3770
19...	1208	--	15	6.5	7.3	305	26.2	3770
19...	1209	--	20	6.6	7.3	306	26.2	3770
19...	1210	--	25	6.6	7.2	307	26.1	3770
19...	1211	--	30	6.6	7.2	308	26.1	3770
19...	1212	--	35	6.5	7.2	308	26.1	3770
19...	1213	--	40	6.5	7.2	307	26.1	3770
19...	1214	--	45	6.6	7.2	307	26.1	3770
19...	1215	--	50	6.6	7.2	307	26.1	3770
19...	1219	--	1	6.6	7.3	305	26.3	4170
19...	1220	--	5	6.7	7.3	305	26.3	4170
19...	1221	--	10	6.5	7.3	305	26.2	4170
19...	1222	--	15	6.5	7.3	304	26.2	4170
19...	1223	--	20	6.5	7.3	304	26.2	4170
19...	1224	--	25	6.4	7.3	304	26.2	4170
19...	1225	--	30	6.4	7.3	304	26.2	4170
19...	1226	--	35	6.3	7.3	303	26.2	4170
19...	1227	--	40	6.3	7.2	304	26.2	4170
19...	1228	--	45	6.3	7.2	304	26.2	4170
19...	1229	--	50	6.3	7.2	303	26.2	4170
19...	1230	--	1	6.5	7.3	303	26.3	4530
19...	1231	--	5	6.5	7.2	303	26.3	4530
19...	1232	--	10	6.4	7.2	303	26.3	4530
19...	1233	--	15	6.2	7.2	303	26.3	4530
19...	1234	--	20	6.3	7.2	302	26.3	4530
19...	1235	--	25	6.3	7.2	302	26.3	4530
19...	1236	--	1	6.6	7.2	305	26.3	4860
19...	1237	--	5	6.4	7.2	304	26.3	4860

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA--Continued

CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SAM-PLING DEPTH (FEET) (00003)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)
JUL 2001								
19...	1238	--	10	6.4	7.2	302	26.3	4860
19...	1239	--	15	6.3	7.2	302	26.3	4860
19...	1240	--	20	6.3	7.2	302	26.3	4860
19...	1241	--	25	6.1	7.2	301	26.3	4860
19...	1242	--	30	6.2	7.2	301	26.3	4860
19...	1243	--	1	6.6	7.2	303	26.4	5150
19...	1244	--	5	6.3	7.2	301	26.3	5150
19...	1245	--	10	6.2	7.2	301	26.3	5150
19...	1246	--	15	6.2	7.2	300	26.3	5150
19...	1247	--	20	6.1	7.2	299	26.3	5150
19...	1248	--	25	6.1	7.2	299	26.3	5150
19...	1249	--	30	6.1	7.2	299	26.3	5150
19...	1250	--	1	6.5	7.2	304	26.4	5510
19...	1251	--	5	6.5	7.2	304	26.4	5510
19...	1252	--	10	6.3	7.2	302	26.4	5510
19...	1253	--	15	6.2	7.2	302	26.4	5510
19...	1254	--	20	6.2	7.2	301	26.3	5510
19...	1255	--	25	6.1	7.2	302	26.3	5510
19...	1256	--	1	6.5	7.2	307	26.7	5970
19...	1257	--	5	6.3	7.2	306	26.6	5970
19...	1258	--	10	6.2	7.2	305	26.5	5970