

DELAWARE RIVER BASIN

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA

LOCATION.--Lat 39°57'14", long 75°08'16", Philadelphia County, Hydrologic Unit 02040202, on right bank at river end of pier 12, 150 ft upstream from Ben Franklin bridge, and at Philadelphia.

DRAINAGE AREA.--7,993 mi².

PERIOD OF RECORD.--August 1949 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1963 to current year.

pH: October 1967 to current year.

WATER TEMPERATURE: November 1960 to current year.

DISSOLVED OXYGEN: October 1961 to current year.

INSTRUMENTATION.--Water-quality monitor interfaced with a data collection platform.

REMARKS.--Prior to July 1988, located on edge of pier 11 about 300 ft downstream of pier 12. Further information on this station is given in U.S. Geological Survey Water-Supply Paper 1809-0. Interruptions in the record were due to malfunctions of the pump or recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,450 microsiemens, Nov. 20, 1964; minimum, 65 microsiemens, Sept. 15, 1979.

pH: Maximum, 8.7, Oct. 14, 1979; minimum, 4.7, Dec. 29, 1978.

WATER TEMPERATURE: Maximum, 31.0°C, July 13-15, 1966; minimum, 0.0°C, many days during winters.

DISSOLVED OXYGEN: Maximum, 14.1 mg/L, Dec. 14, 1962; minimum, 0.0 mg/L, on many days.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 564 microsiemens, Aug. 11; minimum, 117 microsiemens, Sept. 17.

pH: Maximum, 7.6, Jan. 11, 20, 22; minimum, 6.6, Sept. 22-30.

WATER TEMPERATURE: Maximum, 28.5°C, July 30-Aug. 5; minimum recorded, 1.0°C, Jan. 17.

DISSOLVED OXYGEN: Maximum, 13.7 mg/L, Mar. 13, 14; minimum, 3.4 mg/L, June 15, 16.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	360	309	331	329	281	302	371	299	331	409	311	353
2	360	308	332	328	280	301	364	299	327	---	---	---
3	364	305	333	330	280	304	370	297	329	473	344	394
4	370	307	335	335	284	307	388	303	341	390	300	346
5	372	309	336	345	286	312	389	307	344	347	290	316
6	380	304	338	348	293	319	398	310	352	---	---	---
7	389	313	349	343	292	317	412	322	358	340	295	313
8	389	316	349	353	290	316	414	320	362	347	293	316
9	369	299	333	348	292	318	398	318	358	352	302	328
10	355	294	322	361	292	321	399	319	358	349	314	336
11	333	282	307	355	300	324	379	313	347	342	302	323
12	335	277	301	339	291	312	398	316	355	---	---	---
13	339	279	305	349	292	315	403	316	352	---	---	---
14	332	277	299	361	294	321	399	319	354	---	---	---
15	317	276	290	363	305	330	405	323	360	---	---	---
16	303	276	288	361	302	328	401	315	351	---	---	---
17	298	278	287	363	301	329	420	320	361	362	351	357
18	300	277	288	366	302	328	399	320	353	---	---	---
19	296	275	285	373	300	332	410	315	355	379	365	372
20	291	272	282	371	306	337	397	310	350	379	367	375
21	308	273	286	361	303	328	417	315	359	---	---	---
22	307	272	289	363	299	326	412	303	359	354	328	342
23	311	273	291	366	303	334	393	295	335	328	299	313
24	312	276	292	354	303	326	398	314	348	307	274	289
25	311	275	292	379	302	330	405	321	360	274	230	250
26	326	275	295	383	307	339	407	322	363	---	---	---
27	324	282	302	354	296	324	404	319	360	178	129	150
28	323	284	301	358	298	325	406	316	359	---	---	---
29	312	275	293	368	296	326	428	318	366	---	---	---
30	320	280	298	373	298	331	439	321	371	136	126	130
31	314	272	294	---	---	---	425	313	355	138	130	134
MONTH	389	272	307	383	280	322	439	295	353	473	126	302

DELAWARE RIVER BASIN

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.0	6.8	6.9	7.2	7.1	7.1	6.9	6.7	6.8	7.4	7.2	7.3
2	7.0	6.9	7.0	7.2	7.1	7.1	7.0	6.7	6.9	---	---	---
3	7.0	6.9	7.0	7.3	7.2	7.2	7.0	6.8	6.9	7.5	7.3	7.4
4	7.1	6.9	7.0	7.2	7.2	7.2	6.9	6.7	6.8	7.5	7.3	7.4
5	7.1	7.0	7.0	7.4	7.2	7.3	6.8	6.7	6.7	7.5	7.3	7.4
6	7.1	7.0	7.0	---	---	---	6.9	6.7	6.8	---	---	---
7	7.1	7.0	7.0	---	---	---	6.8	6.7	6.8	7.5	7.3	7.3
8	7.1	7.0	7.0	---	---	---	6.9	6.7	6.8	7.4	7.3	7.4
9	7.0	6.9	7.0	---	---	---	6.9	6.7	6.8	7.4	7.2	7.3
10	7.0	6.9	6.9	7.3	7.1	7.1	6.9	6.7	6.8	---	---	---
11	7.1	6.9	7.0	7.3	7.1	7.2	6.9	6.8	6.8	7.6	7.4	7.5
12	7.1	7.0	7.0	7.3	7.1	7.2	7.1	6.8	7.0	---	---	---
13	7.1	7.0	7.0	7.3	7.1	7.2	7.1	7.0	7.1	---	---	---
14	7.1	7.0	7.0	7.3	7.1	7.2	7.1	7.0	7.0	---	---	---
15	7.0	7.0	7.0	7.2	7.0	7.1	7.1	6.9	7.0	---	---	---
16	7.0	7.0	7.0	7.1	7.0	7.1	7.1	6.9	7.0	---	---	---
17	7.0	7.0	7.0	7.1	7.0	7.0	7.1	6.9	7.0	7.5	7.3	7.4
18	7.1	7.0	7.1	7.1	7.0	7.1	7.1	6.9	7.0	---	---	---
19	7.1	7.0	7.1	7.1	7.0	7.0	7.1	6.9	7.0	7.5	7.3	7.4
20	7.1	7.1	7.1	7.1	6.9	7.0	7.1	6.9	7.0	7.6	7.3	7.4
21	7.3	7.1	7.1	7.1	6.9	7.0	7.1	6.9	7.0	---	---	---
22	7.1	7.0	7.1	7.1	6.9	7.0	7.3	6.9	7.2	7.6	7.4	7.5
23	7.2	7.0	7.1	7.1	6.9	7.0	7.3	7.2	7.3	7.5	7.3	7.4
24	7.2	7.1	7.1	7.0	6.8	7.0	7.3	7.2	7.3	7.4	7.3	7.3
25	7.2	7.1	7.1	7.0	6.9	7.0	7.3	7.2	7.3	7.3	6.9	7.2
26	7.2	7.1	7.1	7.0	6.9	7.0	7.3	7.2	7.3	---	---	---
27	7.2	7.1	7.1	7.0	6.8	7.0	7.3	7.1	7.2	---	---	---
28	7.2	7.0	7.1	6.9	6.8	6.9	7.3	7.1	7.2	---	---	---
29	7.2	7.1	7.2	6.9	6.7	6.8	7.3	7.1	7.2	---	---	---
30	7.2	7.1	7.1	6.9	6.7	6.8	7.3	7.1	7.2	---	---	---
31	7.2	7.1	7.1	---	---	---	7.3	7.1	7.2	---	---	---
MONTH	7.3	6.8	7.0	7.4	6.7	7.1	7.3	6.7	7.0	7.6	6.9	7.4
	FEBRUARY			MARCH			APRIL			MAY		
1	6.9	6.7	6.8	7.2	6.9	7.1	7.3	7.1	7.2	7.4	7.3	7.4
2	6.9	6.7	6.8	7.2	7.0	7.1	7.3	7.1	7.2	7.4	7.3	7.3
3	6.9	6.7	6.8	7.2	6.9	7.1	7.3	7.1	7.2	7.4	7.3	7.3
4	7.0	6.8	6.9	7.3	7.0	7.2	7.3	7.1	7.2	7.3	7.3	7.3
5	7.1	6.9	7.0	7.3	7.1	7.2	7.4	7.2	7.3	7.3	7.2	7.3
6	7.1	6.9	7.0	7.3	7.1	7.2	7.4	7.2	7.3	7.3	7.2	7.3
7	7.1	6.9	7.0	7.3	7.1	7.3	7.3	7.2	7.2	7.3	7.2	7.2
8	7.2	7.0	7.1	7.3	7.2	7.3	7.3	7.1	7.2	7.2	7.2	7.2
9	7.1	7.0	7.0	7.3	7.1	7.2	7.3	7.1	7.2	7.2	7.1	7.2
10	7.1	6.9	7.0	7.3	7.1	7.2	7.3	7.2	7.2	7.2	7.1	7.2
11	7.0	6.9	7.0	7.2	7.0	7.1	7.3	7.2	7.2	7.2	7.1	7.2
12	7.0	6.9	6.9	7.1	6.9	7.0	7.2	7.1	7.2	7.2	7.2	7.2
13	7.0	6.8	6.9	7.1	6.9	7.0	7.2	7.1	7.2	7.2	7.2	7.2
14	7.0	6.8	6.9	7.1	6.9	7.0	7.2	7.1	7.2	7.2	7.2	7.2
15	7.0	6.8	6.9	7.1	6.9	7.0	7.2	7.1	7.2	7.2	7.2	7.2
16	7.1	6.9	6.9	7.1	6.9	7.0	7.2	7.1	7.1	7.2	7.2	7.2
17	7.1	6.9	7.0	7.1	6.8	7.0	7.2	7.1	7.1	7.2	7.2	7.2
18	7.1	6.9	7.0	7.1	6.8	7.0	7.2	7.1	7.2	7.2	7.1	7.2
19	7.2	6.9	7.0	7.2	6.9	7.0	7.2	7.1	7.2	7.2	7.0	7.1
20	7.2	7.0	7.1	7.2	7.0	7.1	7.3	7.1	7.2	7.0	7.0	7.0
21	7.2	7.0	7.1	7.2	7.0	7.1	7.3	7.2	7.3	7.0	7.0	7.0
22	7.2	7.0	7.1	7.1	6.9	7.0	7.3	7.2	7.3	7.1	7.0	7.0
23	7.2	7.0	7.1	7.1	6.9	7.0	7.3	7.2	7.3	7.0	7.0	7.0
24	7.1	7.0	7.1	7.1	6.9	7.0	7.3	7.2	7.3	7.0	6.9	7.0
25	7.1	6.9	7.1	6.9	6.8	6.9	7.3	7.3	7.3	7.1	6.9	7.0
26	7.1	6.9	7.0	6.9	6.8	6.8	7.3	7.3	7.3	7.1	7.1	7.1
27	7.1	6.9	7.0	6.8	6.7	6.8	7.4	7.3	7.3	7.1	7.0	7.1
28	7.2	6.9	7.1	6.8	6.7	6.7	7.4	7.3	7.4	7.1	7.1	7.1
29	---	---	---	7.2	6.7	6.9	7.4	7.3	7.4	7.2	7.1	7.1
30	---	---	---	7.3	7.0	7.1	7.4	7.3	7.4	7.2	7.0	7.1
31	---	---	---	7.3	7.0	7.2	---	---	---	7.2	7.1	7.1
MONTH	7.2	6.7	7.0	7.3	6.7	7.1	7.4	7.1	7.2	7.4	6.9	7.2

DELAWARE RIVER BASIN

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.3	7.1	7.2	6.9	6.8	6.9	6.9	6.8	6.9	7.0	6.9	7.0
2	7.3	7.2	7.3	6.9	6.8	6.9	6.9	6.9	6.9	7.0	6.9	7.0
3	7.3	7.2	7.3	6.9	6.8	6.9	6.9	6.9	6.9	7.0	6.9	6.9
4	7.4	7.3	7.3	6.9	6.8	6.8	7.0	6.9	7.0	6.9	6.9	6.9
5	7.4	7.3	7.3	6.8	6.8	6.8	7.0	6.9	7.0	6.9	6.9	6.9
6	7.3	7.2	7.3	6.8	6.7	6.8	7.0	6.9	7.0	7.0	6.9	6.9
7	7.3	7.1	7.2	6.9	6.8	6.8	7.0	6.9	7.0	6.9	6.9	6.9
8	7.1	7.1	7.1	7.0	6.8	6.9	7.0	6.9	7.0	6.9	6.8	6.9
9	7.1	7.0	7.0	7.0	7.0	7.0	7.0	6.9	7.0	6.9	6.8	6.9
10	7.1	7.0	7.0	7.0	7.0	7.0	7.0	6.9	7.0	6.9	6.8	6.9
11	7.0	6.9	7.0	7.1	7.0	7.0	7.0	6.9	6.9	7.0	6.8	6.9
12	6.9	6.9	6.9	7.1	7.0	7.0	6.9	6.9	6.9	7.0	6.9	7.0
13	6.9	6.8	6.9	7.1	7.0	7.1	6.9	6.9	6.9	7.0	6.9	7.0
14	6.9	6.8	6.8	7.1	7.1	7.1	---	---	---	7.0	6.9	7.0
15	6.9	6.8	6.8	7.1	7.0	7.0	---	---	---	7.0	6.9	6.9
16	6.9	6.8	6.8	7.0	7.0	7.0	---	---	---	7.1	6.9	7.1
17	6.9	6.8	6.9	7.0	7.0	7.0	6.9	6.9	6.9	7.2	6.9	7.0
18	---	---	---	7.0	7.0	7.0	6.9	6.8	6.9	7.0	6.9	6.9
19	6.9	6.9	6.9	7.1	7.0	7.0	6.9	6.9	6.9	7.0	6.9	6.9
20	6.9	6.9	6.9	7.0	7.0	7.0	6.9	6.9	6.9	7.0	6.9	6.9
21	6.9	6.9	6.9	7.0	7.0	7.0	6.9	6.8	6.9	7.0	6.9	6.9
22	6.9	6.9	6.9	7.0	6.9	7.0	6.9	6.8	6.9	6.9	6.6	6.8
23	6.9	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.7	6.6	6.6
24	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.7	6.6	6.7
25	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.7	6.6	6.6
26	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.6
27	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.7	6.6	6.6
28	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.6	6.6	6.6
29	6.9	6.8	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.6	6.6	6.6
30	6.9	6.8	6.9	6.9	6.8	6.9	6.9	6.8	6.9	6.7	6.6	6.6
31	---	---	---	6.9	6.8	6.9	7.0	6.9	6.9	---	---	---
MONTH	7.4	6.8	7.0	7.1	6.7	6.9	7.0	6.8	6.9	7.2	6.6	6.8
YEAR	7.6	6.6	7.0									

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.0	22.5	23.0	15.0	14.5	15.0	10.5	10.0	10.5	5.5	5.0	5.5
2	22.5	22.0	22.5	15.0	14.5	14.5	10.5	10.0	10.0	5.0	4.0	4.5
3	22.0	21.5	21.5	14.5	14.0	14.0	10.5	10.0	10.0	5.0	4.5	5.0
4	21.5	21.0	21.0	14.0	13.5	14.0	10.5	10.0	10.5	5.0	3.5	4.5
5	21.0	20.5	20.5	13.5	13.0	13.5	11.0	10.5	10.5	4.0	3.0	3.5
6	20.5	20.5	20.5	13.5	13.0	13.0	11.0	10.5	10.5	---	---	---
7	20.5	20.0	20.5	13.0	12.5	12.5	11.0	10.5	11.0	3.0	2.5	3.0
8	20.5	20.0	20.0	12.5	12.5	12.5	11.0	11.0	11.0	3.0	2.0	2.5
9	20.0	20.0	20.0	12.5	12.0	12.5	11.0	10.5	11.0	2.5	2.0	2.5
10	20.0	19.5	20.0	12.5	12.0	12.0	11.0	10.5	10.5	2.5	2.0	2.5
11	19.5	19.5	19.5	12.5	12.0	12.5	10.5	10.5	10.5	2.0	1.5	2.0
12	19.5	19.0	19.5	12.5	12.0	12.0	10.5	10.0	10.0	---	---	---
13	19.5	19.0	19.0	12.0	12.0	12.0	10.0	10.0	10.0	2.5	1.5	2.0
14	19.0	19.0	19.0	12.0	11.5	12.0	10.0	9.5	9.5	2.0	1.5	1.5
15	19.0	18.5	18.5	12.0	11.5	12.0	9.5	9.0	9.5	---	---	---
16	18.5	18.0	18.5	12.0	11.5	11.5	9.5	9.0	9.0	---	---	---
17	18.5	18.0	18.0	12.0	11.5	11.5	9.5	9.0	9.0	1.5	1.0	1.5
18	18.5	18.0	18.0	11.5	11.5	11.5	9.0	8.5	9.0	---	---	---
19	18.5	18.0	18.0	11.5	11.0	11.5	8.5	8.5	8.5	2.5	2.0	2.0
20	18.0	17.5	18.0	11.5	11.5	11.5	8.5	8.5	8.5	2.5	2.0	2.5
21	18.0	17.5	17.5	11.5	11.0	11.0	9.0	8.5	8.5	---	---	---
22	17.5	16.5	17.0	11.0	10.5	11.0	9.0	8.0	8.5	3.5	2.5	3.0
23	17.0	16.5	16.5	11.0	10.5	11.0	8.0	8.0	8.0	4.5	3.0	3.5
24	16.5	16.0	16.5	11.0	10.5	10.5	8.0	7.5	7.5	5.0	4.0	4.5
25	16.5	16.0	16.0	11.0	10.5	10.5	7.5	7.0	7.5	4.5	4.0	4.5
26	16.5	16.0	16.0	10.5	10.5	10.5	7.0	7.0	7.0	---	---	---
27	16.5	16.0	16.0	10.5	10.0	10.5	7.0	6.5	7.0	4.0	1.5	2.0
28	16.0	16.0	16.0	10.5	10.0	10.0	6.5	6.5	6.5	---	---	---
29	16.0	15.5	16.0	10.5	10.0	10.0	6.5	6.5	6.5	---	---	---
30	15.5	15.5	15.5	10.5	10.0	10.0	6.5	6.0	6.5	3.0	2.5	2.5
31	15.5	15.0	15.0	---	---	---	6.0	5.5	5.5	3.0	2.5	2.5
MONTH	23.0	15.0	18.5	15.0	10.0	11.9	11.0	5.5	9.0	5.5	1.0	3.1

DELAWARE RIVER BASIN

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.1	5.1	5.6	8.1	7.3	7.6	10.0	9.2	9.5	9.5	8.6	9.0
2	6.3	5.4	5.9	8.2	7.4	7.7	10.1	9.1	9.5	---	---	---
3	6.6	5.8	6.2	8.2	7.6	7.9	9.9	8.9	9.4	9.6	9.1	9.3
4	6.5	6.0	6.2	8.3	7.6	7.9	9.5	8.8	9.1	10.5	9.2	9.7
5	6.4	5.9	6.1	---	---	---	9.3	8.4	8.9	10.7	9.8	10.2
6	6.7	5.8	6.3	---	---	---	9.2	8.1	8.5	---	---	---
7	6.6	6.1	6.3	8.7	7.9	8.3	8.6	7.8	8.2	10.8	10.0	10.4
8	6.5	5.8	6.1	8.7	8.1	8.4	8.7	8.0	8.3	11.1	10.2	10.6
9	6.4	5.6	5.9	8.8	8.2	8.5	8.6	7.9	8.2	11.0	10.2	10.5
10	6.1	5.3	5.6	8.8	8.2	8.5	8.6	8.0	8.3	---	---	---
11	6.1	5.4	5.7	8.8	8.3	8.5	8.9	8.1	8.4	11.5	10.4	10.9
12	6.6	5.6	6.0	9.0	8.3	8.6	8.9	8.1	8.5	---	---	---
13	6.7	5.8	6.2	9.0	8.3	8.6	9.0	8.3	8.6	---	---	---
14	6.9	6.1	6.5	9.1	8.3	8.7	9.0	8.3	8.7	---	---	---
15	7.0	6.2	6.6	9.1	8.2	8.6	9.2	8.5	8.8	---	---	---
16	7.1	6.3	6.7	9.1	8.4	8.7	9.2	8.5	8.8	---	---	---
17	6.9	6.2	6.5	9.2	8.4	8.8	9.1	8.5	8.7	11.2	10.0	10.6
18	7.2	6.1	6.6	9.4	8.4	8.8	9.2	8.5	8.8	---	---	---
19	7.1	6.4	6.7	9.4	8.5	8.9	9.4	8.6	9.0	---	---	---
20	7.4	6.1	6.6	9.3	8.4	8.8	9.4	8.7	9.0	---	---	---
21	7.3	6.3	6.8	9.3	8.6	8.9	9.3	8.6	8.9	---	---	---
22	7.5	6.5	6.9	9.6	8.7	9.1	9.6	8.7	9.0	---	---	---
23	7.5	6.7	7.1	9.7	8.8	9.2	9.8	9.0	9.3	---	---	---
24	7.6	6.8	7.2	9.8	9.0	9.4	9.5	9.0	9.2	---	---	---
25	7.6	6.8	7.2	9.9	9.1	9.5	9.3	8.9	9.1	---	---	---
26	7.7	6.8	7.1	9.9	9.1	9.4	9.3	8.8	9.0	---	---	---
27	7.5	6.8	7.1	10.0	9.0	9.4	9.1	8.7	8.9	---	---	---
28	7.4	6.6	7.0	9.9	9.1	9.5	9.1	8.5	8.7	---	---	---
29	7.6	6.7	7.1	10.0	9.2	9.5	8.9	8.3	8.5	---	---	---
30	7.7	6.8	7.3	10.1	9.2	9.6	8.9	8.2	8.4	---	---	---
31	8.1	7.1	7.6	---	---	---	9.1	8.4	8.7	---	---	---
MONTH	8.1	5.1	6.5	10.1	7.3	8.8	10.1	7.8	8.8	11.5	8.6	10.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.3	12.1	12.2	13.2	12.9	13.0	11.7	11.4	11.6	10.8	10.1	10.5
2	12.2	11.9	12.1	13.6	12.9	13.2	11.5	11.3	11.4	10.8	10.1	10.4
3	12.1	11.9	12.0	13.6	13.1	13.3	11.4	11.1	11.2	10.5	9.7	10.0
4	12.3	11.9	12.0	13.3	12.9	13.2	11.1	11.0	11.1	9.8	9.0	9.4
5	12.4	12.1	12.3	13.3	13.0	13.2	11.0	10.7	10.9	9.6	9.1	9.3
6	12.5	12.2	12.3	13.1	12.7	12.9	10.8	10.5	10.7	9.5	8.9	9.2
7	12.3	12.1	12.2	12.8	12.7	12.8	10.6	10.3	10.5	9.3	8.7	9.0
8	12.3	12.1	12.2	13.0	12.7	12.9	10.4	10.1	10.3	8.9	8.4	8.7
9	12.3	12.0	12.2	13.2	12.8	13.0	10.3	9.9	10.2	8.6	8.2	8.4
10	12.4	12.0	12.2	13.3	12.8	13.1	10.0	9.7	9.9	8.5	8.0	8.3
11	12.5	12.2	12.3	13.3	12.9	13.1	9.9	9.4	9.7	8.8	8.1	8.4
12	12.5	12.2	12.3	13.6	13.1	13.3	9.5	9.2	9.3	9.0	8.3	8.6
13	12.5	12.3	12.4	13.7	13.2	13.4	9.7	9.2	9.4	9.0	8.4	8.7
14	12.7	12.3	12.6	13.7	13.1	13.4	9.5	9.2	9.3	9.5	8.2	8.9
15	12.8	12.5	12.6	13.6	13.0	13.3	9.3	8.8	9.1	9.7	8.8	9.3
16	12.8	12.6	12.7	13.6	13.0	13.3	9.4	8.6	9.0	9.8	9.0	9.4
17	12.8	12.6	12.7	13.6	13.2	13.4	8.9	8.6	8.8	9.7	9.0	9.3
18	12.8	12.5	12.6	13.3	13.0	13.2	9.2	8.5	8.8	9.4	8.6	9.0
19	13.3	12.5	12.8	13.3	13.0	13.1	9.4	8.7	9.1	8.9	7.5	8.3
20	13.5	12.9	13.2	13.1	12.7	12.8	9.6	8.8	9.2	7.6	7.0	7.3
21	13.5	13.0	13.3	12.8	11.9	12.6	9.5	9.1	9.4	7.1	6.5	6.8
22	13.6	13.3	13.5	12.1	11.2	11.6	9.6	9.1	9.4	7.1	6.2	6.5
23	13.5	13.3	13.4	11.4	11.2	11.3	9.6	9.2	9.5	6.7	6.0	6.3
24	13.5	13.3	13.4	11.3	10.9	11.1	9.8	9.3	9.5	6.2	5.5	5.9
25	13.5	13.1	13.3	11.3	10.8	11.0	10.1	9.6	9.8	6.3	5.5	5.9
26	13.4	13.2	13.2	11.7	11.1	11.4	10.3	9.7	10.0	6.4	5.9	6.2
27	13.4	13.1	13.3	11.8	11.3	11.5	10.5	9.9	10.2	6.7	6.0	6.3
28	13.5	13.0	13.2	11.7	11.4	11.5	10.8	9.9	10.4	7.3	6.3	6.7
29	---	---	---	12.0	11.4	11.7	10.8	10.1	10.5	7.8	6.3	7.0
30	---	---	---	11.9	11.7	11.8	10.9	10.2	10.6	8.3	6.2	7.3
31	---	---	---	11.8	11.5	11.7	---	---	---	8.7	6.6	7.7
MONTH	13.6	11.9	12.7	13.7	10.8	12.6	11.7	8.5	10.0	10.8	5.5	8.2

DELAWARE RIVER BASIN

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA--Continued

CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	SPE- CIFIC CON- DUCT- ANCE (μ S/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY							
12...	1105	0	3470	--	--	--	--
12...	1106	0	3150	218	7.4	17.4	9.7
12...	1107	5	3150	219	7.3	17.3	9.5
12...	1108	0	3010	218	7.4	17.5	9.7
12...	1109	5	3010	218	7.3	17.2	9.5
12...	1110	0	2880	221	7.2	17.1	9.0
12...	1111	5	2880	221	7.2	17.1	9.0
12...	1112	0	2750	222	7.2	17.1	9.0
12...	1113	5	2750	222	7.2	17.0	8.8
12...	1114	0	2620	222	7.2	17.0	8.9
12...	1115	5	2620	222	7.2	17.0	8.9
12...	1116	10	2620	222	7.2	17.0	8.9
12...	1117	15	2620	222	7.2	17.0	8.7
12...	1118	20	2620	222	7.2	17.0	8.8
12...	1119	25	2620	222	7.2	17.0	8.9
12...	1120	0	2490	223	7.2	16.9	8.8
12...	1121	5	2490	223	7.2	16.9	8.8
12...	1122	10	2490	223	7.2	16.9	8.8
12...	1123	15	2490	223	7.2	16.9	8.8
12...	1124	20	2490	223	7.2	16.9	8.8
12...	1125	25	2490	223	7.2	16.9	8.7
12...	1126	0	2360	224	7.2	16.9	8.8
12...	1127	5	2360	224	7.2	16.9	8.8
12...	1128	10	2360	224	7.2	16.9	8.8
12...	1129	15	2360	225	7.2	16.8	8.7
12...	1130	20	2360	224	7.2	16.8	8.5
12...	1131	25	2360	224	7.2	16.8	8.4
12...	1132	30	2360	225	7.2	16.8	8.5
12...	1133	0	2230	225	7.2	16.8	8.7
12...	1134	5	2230	225	7.2	16.8	8.6
12...	1135	10	2230	225	7.2	16.8	8.5
12...	1136	15	2230	225	7.2	16.8	8.5
12...	1137	20	2230	225	7.2	16.8	8.5
12...	1138	25	2230	225	7.2	16.8	8.5
12...	1139	30	2230	225	7.2	16.8	8.5
12...	1140	35	2230	225	7.2	16.8	8.5
12...	1141	40	2230	225	7.2	16.8	8.5
12...	1142	0	2100	226	7.2	16.8	8.5
12...	1143	5	2100	226	7.2	16.8	8.5
12...	1144	10	2100	226	7.2	16.8	8.6
12...	1145	15	2100	226	7.2	16.8	8.6
12...	1146	20	2100	226	7.2	16.8	8.5
12...	1147	25	2100	226	7.2	16.8	8.4
12...	1148	30	2100	226	7.2	16.8	8.4
12...	1149	35	2100	226	7.2	16.8	8.4
12...	1150	0	1960	227	7.2	16.8	8.7
12...	1151	5	1960	227	7.2	16.8	8.5
12...	1152	10	1960	227	7.2	16.8	8.4
12...	1153	15	1960	226	7.2	16.8	8.4
12...	1154	20	1960	226	7.2	16.8	8.4
12...	1155	25	1960	226	7.2	16.8	8.4
12...	1156	30	1960	226	7.2	16.8	8.3
12...	1157	35	1960	227	7.2	16.8	8.4
12...	1158	0	1830	227	7.2	16.8	8.6
12...	1159	5	1830	227	7.2	16.8	8.6
12...	1200	10	1830	227	7.2	16.8	8.6
12...	1201	15	1830	228	7.2	16.8	8.5
12...	1202	20	1830	227	7.2	16.8	8.4
12...	1203	25	1830	228	7.2	16.8	8.4
12...	1204	30	1830	228	7.2	16.8	8.3
12...	1205	35	1830	228	7.2	16.8	8.4
12...	1206	0	1700	229	7.2	16.8	8.6
12...	1207	5	1700	228	7.2	16.8	8.6
12...	1208	10	1700	228	7.2	16.8	8.5
12...	1209	15	1700	228	7.2	16.8	8.4
12...	1210	20	1700	228	7.2	16.8	8.4
12...	1211	25	1700	228	7.2	16.8	8.4
12...	1212	30	1700	228	7.2	16.8	8.3
12...	1213	35	1700	229	7.2	16.8	8.3

DELAWARE RIVER BASIN

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA--Continued

CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	SPE- CIFIC CON- DUCT- ANCE (μ S/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY							
12...	1214	40	1700	228	7.2	16.8	8.3
12...	1215	0	1570	230	7.2	16.8	8.5
12...	1216	5	1570	229	7.2	16.8	8.4
12...	1217	10	1570	229	7.2	16.8	8.4
12...	1218	15	1570	229	7.2	16.8	8.4
12...	1219	20	1570	229	7.2	16.8	8.3
12...	1220	25	1570	229	7.2	16.8	8.4
12...	1221	30	1570	229	7.2	16.8	8.4
12...	1222	35	1570	229	7.2	16.8	8.3
12...	1223	40	1570	229	7.2	16.8	8.3
12...	1224	0	1440	230	7.2	16.8	8.5
12...	1225	5	1440	230	7.2	16.8	8.4
12...	1226	10	1440	230	7.2	16.8	8.4
12...	1227	15	1440	230	7.2	16.8	8.5
12...	1228	20	1440	230	7.2	16.8	8.4
12...	1229	25	1440	230	7.2	16.8	8.4
12...	1230	30	1440	230	7.2	16.8	8.3
12...	1231	35	1440	229	7.2	16.8	8.2
12...	1232	40	1440	229	7.2	16.8	8.2
12...	1233	45	1440	229	7.2	16.8	8.3
12...	1234	0	1300	231	7.2	16.9	8.6
12...	1235	5	1300	229	7.2	16.8	8.4
12...	1236	10	1300	229	7.2	16.8	8.3
12...	1237	15	1300	230	7.2	16.8	8.3
12...	1238	20	1300	229	7.2	16.8	8.2
12...	1239	25	1300	229	7.2	16.8	8.2
12...	1240	30	1300	230	7.2	16.8	8.2
12...	1241	35	1300	229	7.2	16.8	8.2
12...	1242	40	1300	228	7.2	16.8	8.2
12...	1243	45	1300	229	7.2	16.8	8.3
12...	1244	0	1180	231	7.2	16.8	8.3
12...	1245	5	1180	230	7.2	16.8	8.4
12...	1246	10	1180	230	7.2	16.8	8.3
12...	1247	15	1180	230	7.2	16.8	8.2
12...	1248	20	1180	230	7.2	16.8	8.2
12...	1249	25	1180	230	7.2	16.8	8.2
12...	1250	30	1180	230	7.2	16.8	8.2
12...	1251	35	1180	229	7.2	16.8	8.2
12...	1252	40	1180	229	7.2	16.8	8.2
12...	1253	45	1180	229	7.2	16.8	8.2
12...	1254	0	1050	231	7.2	16.9	8.4
12...	1255	5	1050	231	7.2	16.8	8.4
12...	1256	10	1050	231	7.2	16.8	8.3
12...	1257	15	1050	231	7.2	16.8	8.2
12...	1258	20	1050	231	7.2	16.8	8.2
12...	1259	25	1050	230	7.2	16.8	8.3
12...	1300	30	1050	230	7.2	16.8	8.1
12...	1301	35	1050	230	7.2	16.8	8.2
12...	1302	40	1050	230	7.2	16.8	8.2
12...	1303	45	1050	230	7.2	16.8	8.2
12...	1304	0	920	232	7.2	16.9	8.4
12...	1305	5	920	233	7.2	16.8	8.4
12...	1306	10	920	232	7.2	16.8	8.3
12...	1307	15	920	231	7.2	16.8	8.3
12...	1308	20	920	230	7.2	16.8	8.2
12...	1309	25	920	230	7.2	16.8	8.2
12...	1310	30	920	230	7.2	16.8	7.3
12...	1311	35	920	230	7.2	16.8	7.2
12...	1312	40	920	229	7.2	16.7	7.1
12...	1313	45	920	229	7.2	16.8	7.0
12...	1314	50	920	229	7.2	16.7	7.0
12...	1315	0	780	233	7.2	17.0	8.7
12...	1316	5	780	233	7.2	16.9	8.5
12...	1317	10	780	231	7.2	16.8	8.3
12...	1318	15	780	230	7.2	16.8	8.3
12...	1319	20	780	230	7.2	16.8	8.2
12...	1320	25	780	230	7.2	16.8	8.2
12...	1321	30	780	230	7.2	16.8	8.2
12...	1322	35	780	230	7.2	16.7	8.1
12...	1323	40	780	230	7.2	16.7	8.1

DELAWARE RIVER BASIN

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA--Continued

CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	SPE- CIFIC CON- DUCT- ANCE (μ S/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY							
12...	1324	45	780	229	7.2	16.7	8.1
12...	1325	50	780	229	7.2	16.7	8.1
12...	1326	0	650	230	7.2	17.0	8.4
12...	1327	5	650	232	7.2	16.9	8.3
12...	1328	10	650	233	7.2	16.8	8.3
12...	1329	15	650	233	7.2	16.8	8.2
12...	1330	20	650	231	7.2	16.8	8.2
12...	1331	25	650	230	7.2	16.7	8.1
12...	1332	30	650	230	7.2	16.7	8.0
12...	1333	35	650	230	7.2	16.7	8.0
12...	1334	40	650	230	7.2	16.7	8.0
12...	1335	45	650	230	7.2	16.7	8.0
12...	1336	50	650	230	7.2	16.7	8.0
12...	1337	0	520	230	7.2	16.9	8.3
12...	1338	5	520	231	7.2	16.8	8.2
12...	1339	10	520	231	7.2	16.8	8.1
12...	1340	15	520	232	7.2	16.8	8.1
12...	1341	20	520	232	7.2	16.8	8.0
12...	1342	25	520	232	7.2	16.8	8.1
12...	1343	30	520	232	7.2	16.8	8.0
12...	1344	35	520	232	7.2	16.8	8.0
12...	1345	40	520	230	7.2	16.7	8.0
12...	1346	45	520	230	7.2	16.7	8.0
12...	1347	50	520	230	7.2	16.7	7.9
12...	1348	0	390	224	7.2	17.0	8.4
12...	1349	5	390	226	7.2	16.9	8.2
12...	1350	10	390	227	7.2	16.9	8.1
12...	1351	15	390	228	7.2	16.9	8.1
12...	1352	20	390	228	7.2	16.9	8.0
12...	1353	25	390	229	7.2	16.8	8.0
12...	1354	30	390	230	7.2	16.8	7.9
12...	1355	35	390	231	7.2	16.8	7.9
12...	1356	40	390	230	7.2	16.8	7.9
12...	1357	45	390	230	7.2	16.8	8.0
12...	1358	50	390	230	7.2	16.7	8.0
12...	1359	0	260	227	7.2	16.9	8.0
12...	1400	5	260	227	7.2	16.8	7.9
12...	1401	10	260	227	7.2	16.9	7.8
12...	1402	15	260	227	7.2	16.9	7.9
12...	1403	20	260	227	7.2	16.8	7.9
12...	1404	25	260	227	7.2	16.8	7.8
12...	1405	30	260	227	7.2	16.8	7.8
12...	1406	35	260	228	7.2	16.8	7.8
12...	1407	40	260	230	7.2	16.8	7.8
12...	1408	45	260	230	7.2	16.7	7.8
12...	1409	50	260	230	7.2	16.7	7.8
12...	1410	0	130	222	7.2	17.4	8.2
12...	1411	5	130	222	7.2	17.4	8.2
12...	1412	10	130	226	7.2	17.0	8.1
12...	1413	15	130	226	7.2	16.9	8.0
12...	1414	20	130	227	7.2	16.9	7.9
12...	1415	25	130	228	7.2	16.8	7.9
12...	1416	30	130	228	7.2	16.8	7.9
12...	1417	35	130	228	7.2	16.8	7.9
12...	1418	40	130	228	7.2	16.8	8.0
12...	1419	45	130	228	7.2	16.8	7.9
12...	1420	50	130	228	7.2	16.8	7.8