

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.--Water temperature, specific conductance, and pH records rated good; dissolved oxygen records rated fair except for periods, Nov. 23 to Dec. 1, Mar. 31 to Apr. 13, and May 22 to June 12, which are poor. 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.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	205	194	199	233	219	225	---	---	---	---	---	---
2	211	201	206	245	221	230	---	---	---	---	---	---
3	216	206	212	245	222	230	---	---	---	---	---	---
4	223	210	216	230	217	222	---	---	---	---	---	---
5	223	214	217	226	216	221	---	---	---	---	---	---
6	221	216	218	227	219	223	---	---	---	---	---	---
7	224	217	221	226	222	224	---	---	---	---	---	---
8	227	221	224	232	223	227	---	---	---	---	---	---
9	230	224	226	235	227	231	---	---	---	---	---	---
10	231	222	227	234	227	231	---	---	---	---	---	---
11	230	220	226	240	227	233	---	---	---	---	---	---
12	231	220	226	241	226	234	---	---	---	---	---	---
13	231	218	225	238	227	233	---	---	---	---	---	---
14	229	215	221	239	223	232	---	---	---	---	---	---
15	227	215	221	235	211	222	---	---	---	---	---	---
16	228	218	222	230	213	223	---	---	---	---	---	---
17	231	217	224	234	208	219	---	---	---	---	---	---
18	231	214	222	236	212	224	---	---	---	---	---	---
19	234	218	224	234	208	221	---	---	---	---	---	---
20	233	221	226	235	212	223	---	---	---	---	---	---
21	229	212	220	234	173	220	---	---	---	---	---	---
22	231	212	221	239	155	216	---	---	---	---	---	---
23	234	209	221	255	163	225	---	---	---	---	---	---
24	226	204	214	253	228	239	---	---	---	---	---	---
25	222	205	213	252	228	239	---	---	---	---	---	---
26	223	206	214	257	228	240	---	---	---	---	---	---
27	223	209	215	249	227	237	---	---	---	---	---	---
28	230	210	218	240	225	232	---	---	---	---	---	---
29	230	214	221	236	227	229	---	---	---	---	---	---
30	230	216	222	238	232	235	---	---	---	---	---	---
31	232	218	224	---	---	---	---	---	---	---	---	---
MONTH	234	194	220	257	155	228	---	---	---	---	---	---

DELAWARE RIVER BASIN

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

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	190	182	186	155	149	152
2	---	---	---	---	---	---	192	180	187	160	152	157
3	---	---	---	---	---	---	189	172	182	163	156	159
4	---	---	---	---	---	---	183	170	177	164	159	162
5	---	---	---	---	---	---	179	165	171	167	161	165
6	---	---	---	---	---	---	174	164	169	172	164	168
7	---	---	---	---	---	---	174	166	169	174	167	171
8	---	---	---	---	---	---	178	169	172	178	171	175
9	---	---	---	---	---	---	181	167	174	186	175	180
10	---	---	---	---	---	---	173	157	164	187	181	185
11	---	---	---	---	---	---	170	151	159	193	186	190
12	---	---	---	---	---	---	163	154	158	195	189	192
13	---	---	---	---	---	---	165	154	160	198	192	195
14	---	---	---	---	---	---	171	159	165	201	193	197
15	---	---	---	---	---	---	172	162	166	203	196	198
16	---	---	---	---	---	---	170	158	165	208	199	203
17	---	---	---	---	---	---	167	155	162	207	195	203
18	---	---	---	---	---	---	168	160	165	207	182	198
19	---	---	---	---	---	---	170	161	167	201	165	185
20	---	---	---	---	---	---	170	163	167	197	156	175
21	---	---	---	---	---	---	181	166	171	174	150	158
22	---	---	---	---	---	---	178	168	172	160	151	155
23	---	---	---	---	---	---	172	150	162	166	156	160
24	---	---	---	---	---	---	153	143	148	170	160	164
25	---	---	---	---	---	---	164	146	153	164	149	156
26	---	---	---	---	---	---	166	152	158	155	145	150
27	---	---	---	---	---	---	160	149	154	148	139	145
28	---	---	---	---	---	---	154	145	150	145	125	138
29	---	---	---	---	---	---	153	145	150	140	122	130
30	---	---	---	---	---	---	153	147	150	136	120	127
31	---	---	---	---	---	---	---	---	---	135	123	128
MONTH	---	---	---	---	---	---	192	143	165	208	120	168
	JUNE			JULY			AUGUST			SEPTEMBER		
1	134	127	131	177	167	174	228	194	207	240	228	234
2	140	131	136	179	168	174	216	195	201	242	235	238
3	143	137	140	180	170	176	210	194	201	245	237	241
4	149	139	145	183	173	179	205	194	201	248	237	242
5	152	143	147	184	175	180	202	172	197	249	236	243
6	164	148	155	188	176	182	205	180	199	250	242	246
7	162	155	157	190	178	184	209	166	197	254	245	250
8	---	---	---	191	179	185	204	194	200	255	248	252
9	---	---	---	193	181	187	203	195	199	258	250	254
10	---	---	---	195	185	191	206	198	202	261	253	257
11	---	---	---	202	187	194	208	200	204	265	255	260
12	---	---	---	205	190	197	208	196	202	270	257	263
13	166	122	139	207	192	199	209	197	202	272	261	266
14	144	121	128	209	194	202	206	195	201	270	261	266
15	133	125	129	---	---	---	200	196	198	271	251	261
16	146	130	137	---	---	---	202	197	201	264	249	257
17	151	136	144	---	---	---	203	196	200	263	252	258
18	152	140	147	216	203	209	203	196	200	263	254	259
19	152	145	149	214	204	209	205	192	199	267	244	258
20	154	145	149	215	207	212	205	190	198	255	239	246
21	154	145	149	222	212	216	207	191	198	254	246	250
22	152	147	150	---	---	---	---	---	---	257	243	250
23	156	148	152	---	---	---	---	---	---	258	241	249
24	157	152	155	---	---	---	214	199	204	260	245	252
25	161	156	159	238	230	235	218	203	209	261	237	249
26	167	158	163	240	233	236	219	205	212	259	227	244
27	169	162	166	239	221	231	223	210	216	252	219	235
28	172	164	168	241	212	229	224	212	218	245	214	227
29	175	168	171	243	202	226	228	215	223	237	211	224
30	176	169	173	240	202	220	232	221	227	238	214	226
31	---	---	---	235	198	216	235	224	231	---	---	---
MONTH	176	121	150	243	167	202	235	166	205	272	211	249

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.7	6.6	6.6	6.8	6.7	6.8	---	---	---	---	---	---
2	6.7	6.6	6.7	6.8	6.7	6.8	---	---	---	---	---	---
3	6.7	6.6	6.7	6.8	6.7	6.8	---	---	---	---	---	---
4	6.7	6.7	6.7	6.9	6.8	6.9	---	---	---	---	---	---
5	6.8	6.7	6.7	7.0	6.8	6.9	---	---	---	---	---	---
6	6.8	6.7	6.8	7.0	6.9	6.9	---	---	---	---	---	---
7	6.9	6.8	6.8	7.0	6.9	6.9	---	---	---	---	---	---
8	6.8	6.7	6.7	7.0	6.8	6.9	---	---	---	---	---	---
9	6.8	6.7	6.7	6.9	6.8	6.8	---	---	---	---	---	---
10	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
11	6.7	6.7	6.7	6.9	6.7	6.8	---	---	---	---	---	---
12	6.8	6.7	6.7	6.9	6.8	6.8	---	---	---	---	---	---
13	6.8	6.7	6.7	6.8	6.8	6.8	---	---	---	---	---	---
14	6.8	6.7	6.8	6.8	6.7	6.8	---	---	---	---	---	---
15	6.9	6.8	6.8	6.8	6.8	6.8	---	---	---	---	---	---
16	6.8	6.8	6.8	6.8	6.8	6.8	---	---	---	---	---	---
17	6.8	6.7	6.8	6.8	6.8	6.8	---	---	---	---	---	---
18	6.8	6.7	6.8	6.8	6.8	6.8	---	---	---	---	---	---
19	6.8	6.8	6.8	6.8	6.7	6.8	---	---	---	---	---	---
20	6.8	6.8	6.8	6.8	6.7	6.7	---	---	---	---	---	---
21	6.8	6.8	6.8	6.7	6.6	6.6	---	---	---	---	---	---
22	6.8	6.8	6.8	6.7	6.6	6.6	---	---	---	---	---	---
23	6.8	6.7	6.8	6.8	6.6	6.7	---	---	---	---	---	---
24	6.8	6.8	6.8	6.8	6.8	6.8	---	---	---	---	---	---
25	6.8	6.7	6.8	6.8	6.7	6.8	---	---	---	---	---	---
26	6.8	6.8	6.8	6.8	6.7	6.8	---	---	---	---	---	---
27	6.9	6.8	6.8	6.8	6.7	6.8	---	---	---	---	---	---
28	6.9	6.8	6.9	6.8	6.7	6.7	---	---	---	---	---	---
29	6.9	6.8	6.9	6.9	6.8	6.8	---	---	---	---	---	---
30	6.9	6.8	6.8	7.0	6.9	6.9	---	---	---	---	---	---
31	6.8	6.8	6.8	---	---	---	---	---	---	---	---	---
MAX	6.9	6.8	6.9	7.0	6.9	6.9	---	---	---	---	---	---
MIN	6.7	6.6	6.6	6.7	6.6	6.6	---	---	---	---	---	---

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

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.5	19.0	19.0	14.0	13.5	14.0	---	---	---	---	---	---
2	19.5	19.0	19.0	14.5	13.5	14.0	---	---	---	---	---	---
3	19.5	19.0	19.5	14.5	13.5	14.0	---	---	---	---	---	---
4	19.5	19.5	19.5	13.5	13.0	13.0	---	---	---	---	---	---
5	19.5	19.0	19.0	13.0	12.5	12.5	---	---	---	---	---	---
6	19.0	18.5	19.0	13.0	12.5	12.5	---	---	---	---	---	---
7	18.5	18.5	18.5	12.5	12.0	12.5	---	---	---	---	---	---
8	18.5	18.0	18.0	12.0	12.0	12.0	---	---	---	---	---	---
9	18.0	18.0	18.0	12.0	12.0	12.0	---	---	---	---	---	---
10	18.0	18.0	18.0	12.0	12.0	12.0	---	---	---	---	---	---
11	18.0	18.0	18.0	12.0	11.5	12.0	---	---	---	---	---	---
12	18.0	17.5	18.0	12.0	11.5	11.5	---	---	---	---	---	---
13	18.0	17.5	17.5	12.0	11.5	11.5	---	---	---	---	---	---
14	17.5	16.5	17.0	12.0	11.5	11.5	---	---	---	---	---	---
15	17.0	16.0	16.5	11.5	11.0	11.0	---	---	---	---	---	---
16	17.0	16.0	16.5	11.0	10.0	10.5	---	---	---	---	---	---
17	17.0	16.0	16.5	10.0	9.5	10.0	---	---	---	---	---	---
18	16.5	16.0	16.5	10.0	9.5	10.0	---	---	---	---	---	---
19	16.5	16.0	16.0	10.0	9.5	9.5	---	---	---	---	---	---
20	16.0	15.5	16.0	10.0	9.5	9.5	---	---	---	---	---	---
21	16.0	15.5	15.5	10.0	9.5	10.0	---	---	---	---	---	---
22	15.5	15.0	15.5	10.0	9.5	10.0	---	---	---	---	---	---
23	15.5	15.0	15.5	10.5	10.0	10.0	---	---	---	---	---	---
24	15.0	14.5	14.5	10.5	10.0	10.5	---	---	---	---	---	---
25	14.5	14.0	14.5	10.5	10.5	10.5	---	---	---	---	---	---
26	14.5	13.5	14.0	11.0	10.5	10.5	---	---	---	---	---	---
27	14.0	13.5	14.0	11.0	10.5	11.0	---	---	---	---	---	---
28	14.0	13.5	13.5	11.0	10.0	10.5	---	---	---	---	---	---
29	14.0	13.5	13.5	10.5	10.0	10.0	---	---	---	---	---	---
30	14.0	13.5	13.5	10.0	9.5	10.0	---	---	---	---	---	---
31	14.0	13.5	13.5	---	---	---	---	---	---	---	---	---
MONTH	19.5	13.5	16.6	14.5	9.5	11.3	---	---	---	---	---	---

DELAWARE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	12.0	11.5	12.0	13.0	12.0	12.5
2	---	---	---	---	---	---	12.0	11.5	12.0	13.5	12.5	13.0
3	---	---	---	---	---	---	12.0	11.5	12.0	14.0	13.0	13.5
4	---	---	---	---	---	---	12.0	11.5	12.0	14.5	13.5	14.0
5	---	---	---	---	---	---	12.0	11.0	11.5	15.5	14.0	14.5
6	---	---	---	---	---	---	11.5	11.0	11.0	16.0	15.0	15.5
7	---	---	---	---	---	---	12.0	11.0	11.5	17.0	15.5	16.5
8	---	---	---	---	---	---	12.5	11.5	12.0	18.0	16.5	17.0
9	---	---	---	---	---	---	12.5	11.5	12.0	18.5	17.5	18.0
10	---	---	---	---	---	---	11.5	11.5	11.5	19.5	18.5	19.0
11	---	---	---	---	---	---	11.5	11.0	11.5	19.5	18.5	19.0
12	---	---	---	---	---	---	11.5	11.0	11.0	20.0	19.0	19.5
13	---	---	---	---	---	---	11.0	10.5	11.0	21.0	19.5	20.0
14	---	---	---	---	---	---	11.0	10.5	11.0	21.5	20.0	20.5
15	---	---	---	---	---	---	11.0	10.5	11.0	22.0	20.5	21.0
16	---	---	---	---	---	---	11.5	11.0	11.0	21.5	21.0	21.0
17	---	---	---	---	---	---	11.5	11.0	11.0	21.5	21.0	21.0
18	---	---	---	---	---	---	11.0	10.5	11.0	21.0	20.5	21.0
19	---	---	---	---	---	---	11.0	10.5	10.5	21.0	19.5	20.5
20	---	---	---	---	---	---	11.5	11.0	11.0	20.5	18.5	19.5
21	---	---	---	---	---	---	11.5	11.0	11.5	19.0	18.0	18.5
22	---	---	---	---	---	---	11.5	11.5	11.5	18.5	17.0	18.0
23	---	---	---	---	---	---	11.5	11.5	11.5	17.5	16.5	17.0
24	---	---	---	---	---	---	11.5	11.0	11.5	17.0	16.0	16.5
25	---	---	---	---	---	---	11.5	11.0	11.0	16.5	15.5	16.0
26	---	---	---	---	---	---	11.5	11.0	11.0	16.0	15.5	15.5
27	---	---	---	---	---	---	11.0	11.0	11.0	16.5	16.0	16.5
28	---	---	---	---	---	---	11.5	11.0	11.5	17.0	16.5	16.5
29	---	---	---	---	---	---	12.0	11.5	11.5	17.0	16.5	17.0
30	---	---	---	---	---	---	12.5	12.0	12.0	17.0	17.0	17.0
31	---	---	---	---	---	---	---	---	---	17.0	16.5	17.0
MONTH	---	---	---	---	---	---	12.5	10.5	11.4	22.0	12.0	17.5
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.5	17.0	17.5	25.0	24.5	24.5	25.0	24.5	25.0	24.5	24.0	24.0
2	18.5	17.5	18.0	25.5	24.5	25.0	25.5	25.0	25.0	24.5	24.5	24.5
3	18.5	18.0	18.5	25.5	25.0	25.0	25.5	25.0	25.0	25.0	24.5	25.0
4	19.0	18.5	19.0	25.5	25.0	25.5	25.5	25.0	25.0	25.0	25.0	25.0
5	19.0	19.0	19.0	26.0	25.5	25.5	25.5	25.0	25.0	25.0	24.5	24.5
6	19.0	18.5	19.0	26.0	25.5	25.5	25.0	25.0	25.0	24.5	24.0	24.0
7	19.0	18.5	19.0	25.5	25.5	25.5	25.5	25.0	25.0	24.0	23.5	24.0
8	---	---	---	25.5	25.0	25.0	25.5	25.0	25.5	24.0	23.5	23.5
9	---	---	---	25.5	25.0	25.0	26.0	25.0	25.5	24.0	23.5	24.0
10	---	---	---	25.5	25.0	25.5	26.0	25.5	25.5	24.0	24.0	24.0
11	---	---	---	25.5	25.0	25.5	26.0	25.5	26.0	24.5	24.0	24.0
12	---	---	---	25.5	25.0	25.5	26.0	25.5	25.5	24.5	24.0	24.0
13	21.0	20.0	20.5	25.5	25.0	25.5	25.5	25.0	25.0	24.5	24.0	24.5
14	20.5	20.0	20.5	25.5	25.0	25.5	25.0	24.0	24.5	24.5	24.0	24.5
15	21.5	20.0	20.5	---	---	---	24.5	24.0	24.0	24.5	24.0	24.0
16	22.0	20.5	21.5	---	---	---	24.5	24.0	24.5	24.0	23.5	23.5
17	22.0	21.0	21.5	---	---	---	24.5	24.0	24.0	23.5	23.0	23.0
18	22.0	21.0	21.5	25.5	25.0	25.5	24.0	23.5	24.0	23.0	22.5	22.5
19	22.0	20.5	21.0	25.5	25.0	25.0	23.5	23.0	23.5	22.5	22.0	22.5
20	21.5	20.5	21.0	25.0	24.5	25.0	23.5	22.5	23.0	22.5	22.0	22.0
21	21.5	21.0	21.5	25.0	24.5	25.0	23.0	22.5	23.0	22.5	22.0	22.5
22	22.0	21.5	21.5	---	---	---	---	---	---	22.0	22.0	22.0
23	22.5	22.0	22.5	---	---	---	---	---	---	22.0	21.5	22.0
24	23.0	22.5	23.0	---	---	---	23.0	22.5	23.0	22.0	21.5	22.0
25	23.5	23.0	23.0	25.0	25.0	25.0	23.5	22.5	23.0	22.0	21.0	21.5
26	24.5	23.5	24.0	25.0	24.5	24.5	23.5	23.0	23.0	21.0	20.0	20.5
27	24.5	24.0	24.5	24.5	24.5	24.5	23.5	23.0	23.5	20.0	19.5	20.0
28	24.5	24.5	24.5	24.5	24.0	24.5	23.5	23.5	23.5	19.5	19.0	19.5
29	25.0	24.5	24.5	24.5	24.0	24.5	23.5	23.5	23.5	19.5	19.0	19.0
30	25.0	24.5	24.5	24.5	24.0	24.5	24.0	23.5	23.5	19.0	18.5	19.0
31	---	---	---	25.0	24.5	24.5	24.5	23.5	24.0	---	---	---
MONTH	25.0	17.0	21.3	26.0	24.0	25.1	26.0	22.5	24.3	25.0	18.5	22.8

DELAWARE RIVER BASIN

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

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.0	5.6	5.8	8.0	7.1	7.6	---	---	---	---	---	---
2	6.1	5.5	5.8	8.0	7.1	7.6	---	---	---	---	---	---
3	6.1	5.4	5.8	8.1	7.2	7.5	---	---	---	---	---	---
4	6.1	5.4	5.7	8.9	7.6	8.3	---	---	---	---	---	---
5	6.0	5.4	5.7	8.9	8.0	8.5	---	---	---	---	---	---
6	5.9	5.4	5.6	9.0	8.1	8.7	---	---	---	---	---	---
7	6.1	5.0	5.7	9.1	8.4	8.8	---	---	---	---	---	---
8	6.5	5.6	6.0	9.2	8.5	8.9	---	---	---	---	---	---
9	6.4	5.7	6.0	9.1	8.5	8.8	---	---	---	---	---	---
10	6.4	5.7	6.0	8.9	8.5	8.7	---	---	---	---	---	---
11	6.5	5.9	6.2	8.9	8.4	8.6	---	---	---	---	---	---
12	6.9	6.0	6.4	8.8	8.3	8.6	---	---	---	---	---	---
13	7.2	6.3	6.7	8.7	8.1	8.4	---	---	---	---	---	---
14	7.8	6.5	7.2	8.5	7.9	8.2	---	---	---	---	---	---
15	7.9	7.0	7.4	8.7	8.1	8.3	---	---	---	---	---	---
16	7.9	7.0	7.5	8.6	8.1	8.3	---	---	---	---	---	---
17	7.8	6.9	7.3	9.7	8.3	8.9	---	---	---	---	---	---
18	7.8	7.0	7.4	9.6	8.6	9.2	---	---	---	---	---	---
19	7.8	7.1	7.5	9.3	8.6	9.0	---	---	---	---	---	---
20	7.6	7.0	7.3	9.2	8.5	8.8	---	---	---	---	---	---
21	7.6	6.9	7.2	9.3	8.4	8.8	---	---	---	---	---	---
22	7.3	6.7	7.0	9.2	8.5	8.9	---	---	---	---	---	---
23	7.1	6.1	6.7	9.2	8.4	8.7	---	---	---	---	---	---
24	7.3	6.5	6.9	9.2	8.6	8.9	---	---	---	---	---	---
25	7.2	6.7	6.9	9.1	8.6	8.8	---	---	---	---	---	---
26	7.4	6.8	7.1	9.1	8.6	8.8	---	---	---	---	---	---
27	8.0	6.9	7.3	9.2	8.7	8.9	---	---	---	---	---	---
28	8.1	7.3	7.6	9.7	8.9	9.2	---	---	---	---	---	---
29	8.1	7.3	7.7	10.1	9.6	9.9	---	---	---	---	---	---
30	8.1	7.3	7.7	10.2	10.0	10.1	---	---	---	---	---	---
31	8.1	7.1	7.6	---	---	---	---	---	---	---	---	---
MONTH	8.1	5.0	6.7	10.2	7.1	8.7	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	9.3	9.1	9.2	9.9	9.7	9.8
2	---	---	---	---	---	---	9.5	9.0	9.2	9.9	9.5	9.7
3	---	---	---	---	---	---	9.5	9.1	9.3	9.9	9.4	9.7
4	---	---	---	---	---	---	9.5	9.0	9.2	10.0	9.6	9.8
5	---	---	---	---	---	---	9.7	9.2	9.4	9.8	9.4	9.6
6	---	---	---	---	---	---	9.7	9.3	9.5	9.5	9.2	9.4
7	---	---	---	---	---	---	9.7	9.4	9.5	9.3	8.9	9.1
8	---	---	---	---	---	---	9.5	9.2	9.4	9.0	8.6	8.9
9	---	---	---	---	---	---	9.4	9.0	9.3	8.9	8.3	8.7
10	---	---	---	---	---	---	9.7	9.3	9.5	8.6	8.2	8.5
11	---	---	---	---	---	---	9.9	9.3	9.6	8.4	7.7	8.0
12	---	---	---	---	---	---	9.8	9.3	9.6	8.0	7.5	7.7
13	---	---	---	---	---	---	10.1	9.6	9.8	7.7	7.2	7.4
14	---	---	---	---	---	---	10.2	9.8	10.0	7.4	6.6	6.9
15	---	---	---	---	---	---	10.3	9.8	10.0	6.9	6.1	6.5
16	---	---	---	---	---	---	10.4	9.9	10.1	6.6	6.0	6.2
17	---	---	---	---	---	---	10.3	9.8	10.0	6.7	5.7	6.3
18	---	---	---	---	---	---	10.2	9.9	10.0	6.6	6.0	6.3
19	---	---	---	---	---	---	10.2	9.9	10.0	6.6	6.1	6.4
20	---	---	---	---	---	---	10.1	9.8	10.0	6.7	6.1	6.3
21	---	---	---	---	---	---	10.1	9.3	9.8	6.8	5.9	6.4
22	---	---	---	---	---	---	9.8	9.3	9.5	7.1	6.1	6.7
23	---	---	---	---	---	---	9.9	9.5	9.8	7.2	6.7	6.9
24	---	---	---	---	---	---	9.8	9.3	9.7	7.9	6.8	7.4
25	---	---	---	---	---	---	9.9	9.4	9.7	8.6	7.5	8.1
26	---	---	---	---	---	---	10.0	9.5	9.7	8.9	8.5	8.8
27	---	---	---	---	---	---	10.0	9.6	9.8	8.8	8.5	8.7
28	---	---	---	---	---	---	10.0	9.7	9.8	8.6	8.2	8.4
29	---	---	---	---	---	---	9.9	9.4	9.7	8.4	8.1	8.3
30	---	---	---	---	---	---	9.9	9.6	9.7	8.4	8.1	8.3
31	---	---	---	---	---	---	---	---	---	8.3	7.9	8.2
MONTH	---	---	---	---	---	---	10.4	9.0	9.7	10.0	5.7	8.0

DELAWARE RIVER BASIN

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

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN									
1	8.1	7.8	7.9	5.8	5.3	5.7	4.8	4.0	4.3	4.3	3.6	4.0
2	7.9	7.6	7.8	5.5	5.0	5.3	4.8	3.9	4.4	4.0	3.5	3.7
3	8.1	7.6	7.9	5.4	4.9	5.1	4.9	4.2	4.6	4.2	3.2	3.8
4	8.3	7.9	8.1	5.1	4.5	4.8	5.0	4.2	4.5	4.1	3.2	3.6
5	8.4	7.8	8.2	4.8	4.3	4.5	4.8	4.1	4.4	4.8	3.4	4.3
6	8.4	8.2	8.3	4.8	4.2	4.5	5.2	4.1	4.6	5.2	3.9	4.5
7	8.6	8.1	8.3	4.8	4.3	4.5	5.5	4.3	4.9	5.4	4.4	4.8
8	---	---	---	5.2	4.5	4.8	5.4	4.5	5.0	5.2	4.3	4.8
9	---	---	---	6.1	4.8	5.4	5.3	4.5	4.9	5.2	4.4	4.8
10	---	---	---	6.0	5.4	5.7	5.1	4.4	4.8	5.3	4.2	4.7
11	---	---	---	6.2	5.5	5.9	5.1	4.4	4.7	5.2	4.2	4.6
12	---	---	---	6.6	5.8	6.1	4.8	4.3	4.6	5.3	4.1	4.6
13	9.5	8.5	8.8	7.0	6.1	6.4	4.8	4.2	4.4	4.7	4.1	4.4
14	8.7	8.3	8.5	6.6	6.0	6.3	5.0	4.2	4.5	4.6	4.1	4.3
15	8.5	8.2	8.3	---	---	---	5.5	4.1	5.0	4.8	4.0	4.4
16	8.2	7.8	8.0	---	---	---	5.5	4.5	5.0	5.0	4.1	4.6
17	8.5	7.5	8.1	---	---	---	5.6	4.8	5.2	5.3	4.3	4.9
18	8.4	7.9	8.1	6.0	4.9	5.4	5.6	4.9	5.2	5.7	4.8	5.2
19	8.4	7.7	7.9	6.1	5.2	5.6	5.4	4.7	5.1	5.7	4.7	5.2
20	8.3	7.6	7.9	5.9	5.0	5.4	5.5	4.8	5.2	5.6	4.7	5.1
21	8.3	7.4	7.9	5.7	5.0	5.4	5.4	4.4	5.0	5.4	4.6	5.0
22	8.1	7.5	7.7	---	---	---	---	---	---	5.2	4.5	4.9
23	7.5	6.9	7.2	---	---	---	---	---	---	5.3	4.5	4.8
24	7.3	6.5	6.9	---	---	---	5.3	4.6	4.9	5.0	4.4	4.7
25	7.3	6.3	6.8	5.4	4.7	5.1	5.1	4.4	4.8	5.0	4.3	4.6
26	6.9	6.4	6.7	5.4	4.6	5.0	4.9	4.3	4.6	5.5	4.8	5.2
27	7.0	6.5	6.7	5.1	3.9	4.6	4.9	4.3	4.5	5.8	4.8	5.2
28	6.9	6.4	6.6	5.2	3.7	4.4	4.6	4.0	4.4	5.8	5.1	5.4
29	6.5	5.9	6.3	5.5	3.7	4.4	4.7	4.1	4.4	6.2	5.4	5.8
30	6.0	5.7	5.9	5.3	3.9	4.5	4.6	4.2	4.4	6.1	5.3	5.7
31	---	---	---	4.9	4.0	4.4	4.5	4.0	4.3	---	---	---
MONTH	9.5	5.7	7.6	7.0	3.7	5.2	5.6	3.9	4.7	6.2	3.2	4.7