

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, pH, and specific conductance records rated good. Dissolved oxygen record rated fair except for periods, Oct. 1-3, Nov. 12-20, Apr. 24 to May 3, and May 6-14, 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. Data collection discontinued during winter months. Other 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 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	154	143	146	118	108	112	170	162	165	---	---	---
2	156	149	152	116	110	112	---	---	---	---	---	---
3	156	144	151	122	111	118	---	---	---	---	---	---
4	153	142	148	130	117	125	---	---	---	---	---	---
5	151	143	146	137	124	131	---	---	---	---	---	---
6	151	145	148	148	132	141	---	---	---	---	---	---
7	157	148	152	156	143	149	---	---	---	---	---	---
8	164	152	158	161	150	156	---	---	---	---	---	---
9	170	156	163	168	156	161	---	---	---	---	---	---
10	175	162	168	172	160	166	---	---	---	---	---	---
11	179	168	173	174	166	169	---	---	---	---	---	---
12	185	173	178	177	168	171	---	---	---	---	---	---
13	186	178	182	173	167	170	---	---	---	---	---	---
14	192	182	185	180	169	172	---	---	---	---	---	---
15	187	178	183	185	174	178	---	---	---	---	---	---
16	187	178	182	189	179	183	---	---	---	---	---	---
17	196	185	189	192	185	188	---	---	---	---	---	---
18	201	193	197	194	189	191	---	---	---	---	---	---
19	205	198	202	197	190	194	---	---	---	---	---	---
20	208	201	205	198	179	187	---	---	---	---	---	---
21	209	200	206	189	181	186	---	---	---	---	---	---
22	209	190	201	186	168	176	---	---	---	---	---	---
23	207	181	194	173	138	160	---	---	---	---	---	---
24	202	178	188	155	126	140	---	---	---	---	---	---
25	198	178	187	133	126	130	---	---	---	---	---	---
26	195	180	186	139	127	131	---	---	---	---	---	---
27	196	181	189	146	132	137	---	---	---	---	---	---
28	188	177	181	154	138	143	---	---	---	---	---	---
29	188	163	178	159	149	153	---	---	---	---	---	---
30	163	129	146	166	153	159	---	---	---	---	---	---
31	129	117	122	---	---	---	---	---	---	---	---	---
MONTH	209	117	174	198	108	156	170	162	165	---	---	---

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 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	256	234	244	211	203	207
2	---	---	---	---	---	---	249	226	238	210	199	206
3	---	---	---	---	---	---	247	219	232	211	194	206
4	---	---	---	---	---	---	235	203	220	210	185	197
5	---	---	---	---	---	---	213	199	205	202	183	192
6	---	---	---	---	---	---	213	202	209	197	186	191
7	---	---	---	---	---	---	220	209	214	198	188	194
8	---	---	---	---	---	---	222	208	215	198	186	193
9	---	---	---	---	---	---	221	208	214	197	182	190
10	---	---	---	---	---	---	218	206	212	193	179	186
11	---	---	---	---	---	---	216	201	209	190	179	185
12	---	---	---	---	---	---	216	201	209	187	181	184
13	---	---	---	---	---	---	219	199	208	186	180	183
14	---	---	---	---	---	---	205	193	197	189	178	185
15	---	---	---	---	---	---	206	195	201	191	183	186
16	---	---	---	---	---	---	205	199	202	191	181	186
17	---	---	---	---	---	---	205	198	202	191	178	186
18	---	---	---	---	---	---	203	194	200	193	177	186
19	---	---	---	---	---	---	206	194	200	191	175	183
20	---	---	---	---	---	---	206	191	200	193	174	182
21	---	---	---	---	---	---	206	190	198	192	175	183
22	---	---	---	---	---	---	204	193	199	192	178	184
23	---	---	---	---	---	---	203	192	197	192	181	187
24	---	---	---	---	---	---	204	193	199	194	185	190
25	---	---	---	---	---	---	206	196	201	197	188	193
26	---	---	---	---	---	---	213	199	205	201	191	197
27	---	---	---	---	---	---	208	201	205	203	195	200
28	---	---	---	---	---	---	215	203	211	205	199	203
29	---	---	---	---	---	---	215	206	212	206	200	203
30	---	---	---	268	236	255	213	202	209	209	200	204
31	---	---	---	260	237	247	---	---	---	215	204	209
MONTH	---	---	---	268	236	251	256	190	209	215	174	192

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	214	209	211	261	244	251	210	167	189	172	159	165
2	218	212	214	263	248	256	194	175	184	172	163	168
3	221	214	217	266	250	259	192	181	186	187	167	172
4	224	209	217	270	253	262	191	180	187	194	172	182
5	222	208	216	270	254	263	192	169	183	189	178	184
6	223	204	214	271	255	263	188	172	180	190	182	186
7	222	201	212	272	256	264	189	173	181	192	180	188
8	226	203	213	274	259	267	191	175	183	196	185	191
9	226	206	213	273	259	266	192	180	186	198	185	192
10	222	205	213	276	258	268	196	182	188	198	170	184
11	225	205	215	279	260	269	200	186	193	190	172	180
12	223	206	214	279	241	262	202	194	197	199	178	187
13	225	206	214	265	221	237	203	194	199	205	182	195
14	226	208	215	233	218	223	206	186	198	203	186	196
15	224	202	215	226	193	211	217	170	202	202	181	195
16	224	204	212	222	192	203	211	121	168	201	168	189
17	228	209	216	213	194	202	175	114	139	198	168	183
18	231	213	220	210	195	203	152	113	124	200	157	182
19	233	214	222	206	198	202	131	111	119	163	105	145
20	232	214	222	206	198	202	130	117	123	---	---	---
21	233	216	224	207	198	203	141	124	129	---	---	---
22	234	218	227	209	198	204	141	125	132	102	93	98
23	235	223	229	210	199	205	135	127	130	111	101	106
24	238	224	231	209	202	206	142	129	137	119	108	114
25	241	226	233	215	205	210	149	135	143	126	114	120
26	242	229	236	219	210	214	153	142	150	132	121	127
27	242	231	237	220	213	217	156	148	153	140	126	133
28	245	233	239	219	207	213	162	153	157	144	132	139
29	249	236	242	215	206	210	168	156	163	147	136	141
30	254	238	247	---	---	---	164	154	161	145	133	139
31	---	---	---	219	188	204	172	155	164	---	---	---
MONTH	254	201	222	279	188	231	217	111	165	205	93	164

DELAWARE RIVER BASIN

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	7.7	7.6	7.6	7.3	7.2	7.3
2	---	---	---	---	---	---	7.7	7.6	7.6	7.3	7.2	7.2
3	---	---	---	---	---	---	7.7	7.5	7.6	7.3	7.1	7.2
4	---	---	---	---	---	---	7.6	7.4	7.5	7.2	7.2	7.2
5	---	---	---	---	---	---	7.5	7.4	7.5	7.2	7.2	7.2
6	---	---	---	---	---	---	7.5	7.4	7.5	7.2	7.2	7.2
7	---	---	---	---	---	---	7.5	7.4	7.5	7.2	7.1	7.1
8	---	---	---	---	---	---	7.5	7.4	7.4	7.1	7.1	7.1
9	---	---	---	---	---	---	7.4	7.4	7.4	7.1	7.0	7.1
10	---	---	---	---	---	---	7.4	7.4	7.4	7.0	7.0	7.0
11	---	---	---	---	---	---	7.5	7.4	7.4	7.0	6.9	6.9
12	---	---	---	---	---	---	7.5	7.4	7.4	6.9	6.6	6.9
13	---	---	---	---	---	---	7.5	7.4	7.4	7.0	6.9	6.9
14	---	---	---	---	---	---	7.5	7.4	7.4	7.2	6.9	7.1
15	---	---	---	---	---	---	7.5	7.4	7.4	7.1	7.1	7.1
16	---	---	---	---	---	---	7.4	7.2	7.3	7.1	7.1	7.1
17	---	---	---	---	---	---	7.3	7.2	7.2	7.1	7.0	7.0
18	---	---	---	---	---	---	7.2	7.1	7.2	7.0	7.0	7.0
19	---	---	---	---	---	---	7.2	7.1	7.2	7.0	6.9	7.0
20	---	---	---	---	---	---	7.4	7.2	7.3	7.0	6.9	6.9
21	---	---	---	---	---	---	7.4	7.3	7.3	7.0	6.9	6.9
22	---	---	---	---	---	---	7.4	7.3	7.3	6.9	6.8	6.9
23	---	---	---	---	---	---	7.4	7.3	7.4	6.9	6.8	6.8
24	---	---	---	---	---	---	7.4	7.3	7.3	6.9	6.8	6.9
25	---	---	---	---	---	---	7.4	7.3	7.3	6.9	6.8	6.9
26	---	---	---	---	---	---	7.3	7.2	7.3	7.0	6.9	6.9
27	---	---	---	---	---	---	7.3	7.2	7.2	7.0	6.9	6.9
28	---	---	---	---	---	---	7.3	7.2	7.2	7.0	6.9	7.0
29	---	---	---	---	---	---	7.4	7.2	7.3	7.1	7.0	7.0
30	---	---	---	7.8	7.6	7.7	7.3	7.3	7.3	7.2	7.0	7.1
31	---	---	---	7.7	7.6	7.7	---	---	---	7.1	7.0	7.1
MAX	---	---	---	7.8	7.6	7.7	7.7	7.6	7.6	7.3	7.2	7.3
MIN	---	---	---	7.7	7.6	7.7	7.2	7.1	7.2	6.9	6.6	6.8

DELAWARE RIVER BASIN

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN									
1	7.1	7.0	7.0	6.9	6.8	6.8	6.9	6.8	6.9	6.8	6.8	6.8
2	7.1	7.0	7.0	6.9	6.8	6.8	6.9	6.8	6.8	6.8	6.8	6.8
3	7.0	7.0	7.0	6.8	6.8	6.8	6.8	6.7	6.8	6.8	6.7	6.8
4	7.1	7.0	7.0	6.8	6.8	6.8	6.8	6.7	6.7	6.8	6.7	6.7
5	7.1	7.0	7.0	6.8	6.8	6.8	6.8	6.7	6.8	6.8	6.7	6.7
6	7.1	7.0	7.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.8
7	7.0	7.0	7.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.8
8	7.0	7.0	7.0	6.9	6.8	6.9	6.8	6.8	6.8	6.8	6.7	6.8
9	7.1	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.7	6.8
10	7.1	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.8
11	7.1	7.0	7.0	6.9	6.8	6.9	6.8	6.8	6.8	6.9	6.8	6.8
12	7.1	7.0	7.0	6.9	6.8	6.8	6.8	6.8	6.8	7.0	6.8	6.9
13	7.1	7.0	7.0	6.8	6.8	6.8	6.8	6.8	6.8	7.0	6.8	6.9
14	7.0	6.9	7.0	6.8	6.7	6.8	7.0	6.8	6.9	7.0	6.9	6.9
15	7.0	6.9	6.9	6.8	6.7	6.7	7.2	6.9	7.1	7.0	6.9	7.0
16	7.0	6.9	6.9	6.8	6.7	6.7	7.1	6.8	7.0	7.0	6.9	7.0
17	6.9	6.8	6.9	6.7	6.6	6.7	7.0	6.7	6.8	7.0	6.8	6.9
18	6.9	6.8	6.8	6.7	6.6	6.6	6.8	6.6	6.7	6.9	6.8	6.9
19	6.9	6.8	6.8	6.7	6.6	6.6	6.7	6.6	6.6	7.2	6.8	7.0
20	7.0	6.9	6.9	6.6	6.6	6.6	6.6	6.6	6.6	---	---	---
21	7.0	6.9	6.9	6.6	6.6	6.6	6.7	6.6	6.7	---	---	---
22	7.0	6.9	6.9	6.6	6.5	6.6	6.8	6.7	6.7	6.8	6.8	6.8
23	7.0	6.9	6.9	6.6	6.6	6.6	6.8	6.7	6.7	6.8	6.8	6.8
24	7.0	6.9	6.9	6.6	6.6	6.6	6.8	6.7	6.8	6.8	6.8	6.8
25	6.9	6.9	6.9	6.6	6.6	6.6	6.8	6.7	6.8	6.8	6.8	6.8
26	6.9	6.9	6.9	6.7	6.6	6.6	6.8	6.8	6.8	6.8	6.8	6.8
27	6.9	6.9	6.9	6.7	6.6	6.6	6.8	6.8	6.8	6.8	6.8	6.8
28	6.9	6.9	6.9	6.8	6.6	6.7	6.8	6.8	6.8	6.8	6.7	6.8
29	6.9	6.8	6.9	6.8	6.7	6.7	6.8	6.8	6.8	6.9	6.8	6.8
30	6.9	6.8	6.9	---	---	---	6.8	6.8	6.8	6.9	6.7	6.8
31	---	---	---	6.9	6.9	6.9	6.8	6.8	6.8	---	---	---
MAX	7.1	7.0	7.0	6.9	6.9	6.9	7.2	6.9	7.1	7.2	6.9	7.0
MIN	6.9	6.8	6.8	6.6	6.5	6.6	6.6	6.6	6.6	6.8	6.7	6.7

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	18.5	18.5	11.5	11.0	11.5	8.0	7.5	7.5	---	---	---
2	18.5	17.5	18.0	11.5	11.5	11.5	---	---	---	---	---	---
3	17.5	17.0	17.5	12.5	11.5	12.0	---	---	---	---	---	---
4	17.5	16.5	16.5	13.0	12.0	12.5	---	---	---	---	---	---
5	17.0	16.0	16.0	13.5	12.5	13.0	---	---	---	---	---	---
6	16.0	15.5	16.0	14.0	13.0	13.5	---	---	---	---	---	---
7	16.0	15.0	15.5	14.0	13.5	14.0	---	---	---	---	---	---
8	16.0	15.0	15.5	14.0	13.5	13.5	---	---	---	---	---	---
9	15.5	14.5	15.0	13.5	13.0	13.0	---	---	---	---	---	---
10	15.5	14.5	15.0	13.0	12.5	12.5	---	---	---	---	---	---
11	15.5	15.0	15.5	12.5	12.0	12.5	---	---	---	---	---	---
12	15.5	15.0	15.5	12.0	11.5	12.0	---	---	---	---	---	---
13	15.5	15.0	15.0	12.0	9.5	11.0	---	---	---	---	---	---
14	16.0	15.0	15.5	9.5	9.0	9.5	---	---	---	---	---	---
15	15.5	15.5	15.5	9.5	8.5	9.0	---	---	---	---	---	---
16	15.5	15.0	15.0	9.0	8.5	8.5	---	---	---	---	---	---
17	15.5	15.0	15.0	9.0	8.5	8.5	---	---	---	---	---	---
18	15.5	15.0	15.0	9.0	8.5	8.5	---	---	---	---	---	---
19	15.5	15.0	15.5	9.5	8.5	9.0	---	---	---	---	---	---
20	15.0	15.0	15.0	9.5	9.0	9.5	---	---	---	---	---	---
21	15.0	15.0	15.0	10.0	9.0	9.5	---	---	---	---	---	---
22	15.0	14.5	14.5	11.0	10.0	10.5	---	---	---	---	---	---
23	14.5	13.5	14.0	10.5	10.0	10.5	---	---	---	---	---	---
24	14.0	13.0	13.5	10.5	9.5	10.0	---	---	---	---	---	---
25	13.5	12.5	13.0	10.0	9.0	9.5	---	---	---	---	---	---
26	13.5	12.5	13.0	9.0	9.0	9.0	---	---	---	---	---	---
27	13.5	13.0	13.5	9.0	8.5	9.0	---	---	---	---	---	---
28	13.0	12.5	13.0	9.0	9.0	9.0	---	---	---	---	---	---
29	12.5	12.0	12.5	9.0	8.0	9.0	---	---	---	---	---	---
30	12.5	12.0	12.0	8.0	8.0	8.0	---	---	---	---	---	---
31	12.0	11.5	11.5	---	---	---	---	---	---	---	---	---
MONTH	19.0	11.5	14.9	14.0	8.0	10.6	8.0	7.5	7.5	---	---	---

DELAWARE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	9.5	8.5	9.0	16.0	15.5	16.0
2	---	---	---	---	---	---	10.0	9.0	9.5	16.5	16.0	16.0
3	---	---	---	---	---	---	10.0	9.5	10.0	16.5	16.0	16.0
4	---	---	---	---	---	---	10.0	9.5	10.0	16.0	16.0	16.0
5	---	---	---	---	---	---	9.5	9.0	9.5	16.5	16.0	16.0
6	---	---	---	---	---	---	9.0	8.5	9.0	17.0	16.0	16.5
7	---	---	---	---	---	---	9.5	9.0	9.0	17.5	16.5	17.0
8	---	---	---	---	---	---	9.5	9.0	9.0	17.5	17.0	17.0
9	---	---	---	---	---	---	9.5	9.0	9.5	17.5	17.0	17.0
10	---	---	---	---	---	---	10.0	9.5	9.5	17.5	17.0	17.5
11	---	---	---	---	---	---	9.5	9.5	9.5	18.0	17.5	18.0
12	---	---	---	---	---	---	9.5	9.5	9.5	19.0	18.0	18.5
13	---	---	---	---	---	---	10.0	9.5	9.5	19.5	18.5	19.0
14	---	---	---	---	---	---	10.5	10.0	10.5	20.5	19.5	19.5
15	---	---	---	---	---	---	11.0	10.5	10.5	21.5	20.0	20.5
16	---	---	---	---	---	---	11.0	10.5	10.5	22.0	20.5	21.5
17	---	---	---	---	---	---	11.5	10.5	11.0	22.5	21.5	22.0
18	---	---	---	---	---	---	12.0	11.0	11.5	22.5	21.5	22.0
19	---	---	---	---	---	---	13.0	12.0	12.5	22.5	22.0	22.5
20	---	---	---	---	---	---	13.5	12.5	13.0	22.5	22.0	22.5
21	---	---	---	---	---	---	14.0	13.0	13.5	22.5	22.5	22.5
22	---	---	---	---	---	---	15.0	13.5	14.0	23.0	22.5	22.5
23	---	---	---	---	---	---	15.5	14.5	15.0	23.5	22.5	23.0
24	---	---	---	---	---	---	16.5	15.0	15.5	23.5	23.0	23.5
25	---	---	---	---	---	---	16.5	15.5	16.0	24.0	23.5	23.5
26	---	---	---	---	---	---	16.5	15.5	16.0	23.5	23.5	23.5
27	---	---	---	---	---	---	17.0	16.0	16.5	23.5	23.5	23.5
28	---	---	---	---	---	---	16.5	16.0	16.5	23.5	23.5	23.5
29	---	---	---	---	---	---	16.5	15.5	16.0	23.5	23.0	23.0
30	---	---	---	8.5	8.0	8.5	16.5	15.0	16.0	23.5	23.0	23.0
31	---	---	---	9.0	8.5	8.5	---	---	---	23.0	22.5	23.0
MONTH	---	---	---	9.0	8.0	8.5	17.0	8.5	11.9	24.0	15.5	20.2
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.0	22.5	23.0	25.5	25.0	25.0	25.5	24.5	25.0	24.0	23.5	24.0
2	23.0	22.5	22.5	26.0	25.0	25.5	25.5	24.5	25.0	24.5	24.0	24.0
3	23.0	22.5	22.5	26.0	25.5	25.5	25.5	25.0	25.0	24.5	24.0	24.5
4	23.0	22.0	22.5	26.0	25.5	26.0	25.5	25.0	25.5	25.0	24.0	24.5
5	22.5	21.5	22.0	26.5	25.5	26.0	25.5	25.5	25.5	25.0	24.5	24.5
6	22.0	21.0	21.5	26.5	26.0	26.0	25.5	25.0	25.0	24.5	24.0	24.5
7	22.0	21.0	21.5	26.5	26.0	26.5	25.0	24.5	24.5	24.5	24.0	24.5
8	22.0	21.0	21.5	27.0	26.5	26.5	24.5	24.5	24.5	24.5	24.5	24.5
9	22.5	21.5	22.0	27.0	26.5	26.5	24.5	24.5	24.5	24.5	24.5	24.5
10	22.5	22.0	22.5	27.0	26.5	26.5	25.0	24.5	24.5	24.5	24.0	24.5
11	22.5	22.0	22.5	27.0	26.5	26.5	25.0	24.5	25.0	24.5	24.0	24.0
12	22.5	22.0	22.5	27.0	26.0	26.5	25.0	25.0	25.0	24.0	23.5	24.0
13	22.5	22.0	22.0	26.0	25.5	26.0	25.0	25.0	25.0	24.0	23.5	23.5
14	22.5	22.0	22.0	25.5	25.5	25.5	25.0	24.5	25.0	24.0	23.0	23.5
15	22.5	22.0	22.5	25.5	25.0	25.0	25.0	23.5	24.5	23.5	22.5	23.0
16	23.0	22.5	22.5	25.0	24.5	25.0	24.5	22.5	23.5	23.0	22.5	23.0
17	23.5	23.0	23.0	25.0	24.5	25.0	24.0	22.0	23.0	23.0	22.5	22.5
18	24.0	23.0	23.5	25.0	24.5	24.5	23.0	22.0	22.5	23.0	21.5	22.5
19	24.0	23.5	24.0	24.5	24.5	24.5	22.5	22.5	22.5	21.5	18.0	20.0
20	24.0	23.5	24.0	25.0	24.5	24.5	23.0	22.5	23.0	---	---	---
21	24.0	23.5	24.0	25.0	24.5	24.5	23.5	23.0	23.0	---	---	---
22	24.5	24.0	24.0	25.0	24.5	25.0	23.5	23.0	23.5	17.5	17.0	17.0
23	24.5	24.0	24.0	25.0	25.0	25.0	23.5	23.0	23.5	18.0	17.0	17.5
24	25.0	24.0	24.5	25.0	25.0	25.0	23.5	23.5	23.5	18.5	18.0	18.0
25	25.0	24.5	24.5	25.0	25.0	25.0	23.5	23.0	23.5	19.0	18.0	18.5
26	25.0	24.5	25.0	25.0	24.5	25.0	23.5	23.0	23.0	19.0	18.5	19.0
27	25.0	24.5	25.0	25.0	25.0	25.0	23.5	22.5	23.0	19.5	19.0	19.0
28	25.5	24.5	25.0	25.0	25.0	25.0	23.5	23.0	23.0	20.0	19.0	19.5
29	25.5	24.5	25.0	25.5	25.0	25.0	24.0	23.0	23.5	20.0	19.5	20.0
30	25.5	24.5	25.0	---	---	---	24.0	23.5	24.0	20.0	18.5	19.5
31	---	---	---	25.5	25.0	25.0	24.0	24.0	24.0	---	---	---
MONTH	25.5	21.0	23.2	27.0	24.5	25.4	25.5	22.0	24.0	25.0	17.0	22.1

DELAWARE RIVER BASIN

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

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.5	5.1	6.7	9.6	9.4	9.5	10.9	10.7	10.8	---	---	---
2	7.9	7.3	7.5	9.7	9.4	9.6	---	---	---	---	---	---
3	8.0	7.3	7.7	9.5	9.3	9.4	---	---	---	---	---	---
4	8.2	7.7	7.9	9.6	9.1	9.3	---	---	---	---	---	---
5	8.4	7.8	8.1	9.5	9.3	9.4	---	---	---	---	---	---
6	8.5	8.1	8.3	9.3	9.0	9.1	---	---	---	---	---	---
7	8.6	8.1	8.3	9.0	8.7	8.9	---	---	---	---	---	---
8	8.8	8.1	8.5	9.0	8.8	8.9	---	---	---	---	---	---
9	8.8	8.2	8.5	9.1	8.8	9.0	---	---	---	---	---	---
10	8.9	8.3	8.6	9.3	8.9	9.1	---	---	---	---	---	---
11	8.9	8.4	8.7	9.4	9.0	9.2	---	---	---	---	---	---
12	9.0	8.5	8.7	9.5	8.9	9.2	---	---	---	---	---	---
13	9.0	8.6	8.8	10.2	9.1	9.6	---	---	---	---	---	---
14	9.0	8.5	8.7	10.5	10.1	10.3	---	---	---	---	---	---
15	8.9	8.5	8.7	10.5	10.1	10.4	---	---	---	---	---	---
16	8.9	8.6	8.8	10.5	10.1	10.3	---	---	---	---	---	---
17	8.8	8.4	8.7	10.4	10.1	10.3	---	---	---	---	---	---
18	8.6	8.4	8.5	10.3	10.0	10.2	---	---	---	---	---	---
19	8.5	8.3	8.4	10.2	9.7	10	---	---	---	---	---	---
20	8.4	8.1	8.2	10.3	9.4	9.9	---	---	---	---	---	---
21	8.4	8.0	8.2	10.2	10.0	10.1	---	---	---	---	---	---
22	8.5	8.1	8.3	10.1	9.4	9.6	---	---	---	---	---	---
23	8.7	8.1	8.4	9.9	9.4	9.7	---	---	---	---	---	---
24	8.9	8.3	8.6	10.1	9.7	9.9	---	---	---	---	---	---
25	8.9	8.4	8.7	10.4	9.9	10.1	---	---	---	---	---	---
26	9.0	8.5	8.7	10.4	10.1	10.3	---	---	---	---	---	---
27	8.9	8.3	8.5	10.5	10.2	10.3	---	---	---	---	---	---
28	9.2	8.5	8.8	10.4	10.0	10.3	---	---	---	---	---	---
29	9.3	8.7	9.1	10.7	10.0	10.3	---	---	---	---	---	---
30	9.0	8.7	8.9	10.9	10.7	10.8	---	---	---	---	---	---
31	9.5	8.9	9.2	---	---	---	---	---	---	---	---	---
MONTH	9.5	5.1	8.4	10.9	8.7	9.8	10.9	10.7	10.8	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	10.8	10.6	10.7	8.6	8.1	8.3
2	---	---	---	---	---	---	10.6	10.3	10.5	8.6	8.0	8.3
3	---	---	---	---	---	---	10.3	10.0	10.2	8.7	7.5	8.1
4	---	---	---	---	---	---	10.1	9.8	10	8.6	8.2	8.4
5	---	---	---	---	---	---	10.2	9.7	10	8.6	8.3	8.4
6	---	---	---	---	---	---	10.3	10.1	10.2	8.4	8.1	8.3
7	---	---	---	---	---	---	10.3	10.1	10.2	8.3	7.9	8.1
8	---	---	---	---	---	---	10.4	10.1	10.2	8.4	7.9	8.1
9	---	---	---	---	---	---	10.4	10.0	10.2	8.4	8.0	8.2
10	---	---	---	---	---	---	10.5	10.1	10.3	8.2	7.7	7.9
11	---	---	---	---	---	---	10.8	10.1	10.4	7.8	7.4	7.6
12	---	---	---	---	---	---	10.8	10.1	10.4	7.7	7.2	7.4
13	---	---	---	---	---	---	10.5	10.1	10.3	7.7	7.0	7.4
14	---	---	---	---	---	---	10.1	9.9	10.0	7.8	7.0	7.5
15	---	---	---	---	---	---	10.0	9.5	9.9	7.8	7.5	7.6
16	---	---	---	---	---	---	9.8	9.5	9.7	7.5	7.2	7.3
17	---	---	---	---	---	---	9.6	9.1	9.4	7.2	6.9	7.0
18	---	---	---	---	---	---	9.4	9.0	9.2	6.9	6.6	6.7
19	---	---	---	---	---	---	9.3	8.8	9.1	6.6	6.1	6.3
20	---	---	---	---	---	---	9.5	8.8	9.1	6.4	5.5	5.9
21	---	---	---	---	---	---	9.5	8.9	9.2	6.4	5.5	5.8
22	---	---	---	---	---	---	9.4	8.9	9.2	5.7	5.2	5.5
23	---	---	---	---	---	---	9.4	9.0	9.2	5.6	5.0	5.3
24	---	---	---	---	---	---	9.2	8.8	9.0	5.7	5.1	5.4
25	---	---	---	---	---	---	8.9	8.6	8.8	6.4	5.4	6.0
26	---	---	---	---	---	---	8.7	8.1	8.4	6.5	5.9	6.1
27	---	---	---	---	---	---	8.2	7.9	8.0	6.5	5.6	6.1
28	---	---	---	---	---	---	8.6	7.8	8.2	6.7	5.6	6.2
29	---	---	---	---	---	---	8.9	7.9	8.4	7.6	6.1	6.8
30	---	---	---	11.4	10.8	11.1	8.7	8.0	8.4	7.7	6.5	7.1
31	---	---	---	11.1	10.7	10.9	---	---	---	7.2	6.3	6.8
MONTH	---	---	---	11.4	10.7	11.0	10.8	7.8	9.6	8.7	5.0	7.1

DELAWARE RIVER BASIN

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

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.3	5.7	6.1	4.2	3.6	3.9	7.1	5.9	6.5	5.9	5.5	5.7
2	6.0	5.2	5.6	4.2	3.7	3.9	6.7	5.7	6.1	6.0	5.5	5.8
3	6.0	5.2	5.5	4.3	3.7	4.0	6.3	5.1	5.6	5.9	5.4	5.6
4	6.1	5.1	5.5	4.6	3.8	4.2	5.9	4.7	5.2	5.7	5.2	5.4
5	6.2	5.7	5.9	4.8	4.2	4.4	5.9	4.5	5.1	5.6	5.1	5.3
6	6.1	5.4	5.7	4.8	4.1	4.4	5.6	4.7	5.1	5.7	5.2	5.4
7	6.3	5.2	5.8	5.1	4.4	4.7	5.4	4.5	4.9	5.5	4.8	5.2
8	6.5	5.5	6.0	4.9	4.1	4.6	5.4	4.6	5.0	5.3	4.6	4.9
9	6.7	5.7	6.2	5.4	4.5	4.9	5.3	4.5	4.9	5.5	4.6	5.0
10	7.2	5.9	6.4	5.5	4.7	5.0	5.3	4.4	4.8	5.8	4.9	5.4
11	7.0	5.8	6.4	5.6	4.7	5.1	5.3	4.4	4.8	6.3	5.2	5.9
12	7.1	5.7	6.3	5.5	4.7	5.0	5.0	4.3	4.6	6.4	5.6	6.0
13	7.4	5.7	6.4	5.1	4.2	4.6	4.8	4.2	4.5	6.2	5.7	6.0
14	7.0	5.7	6.3	---	---	---	5.7	4.1	5.0	6.3	5.7	6.0
15	6.3	5.4	5.9	---	---	---	6.2	5.3	5.8	6.2	5.7	6.0
16	5.8	4.9	5.3	4.9	4.4	4.6	6.2	5.7	6.0	6.2	5.6	5.9
17	4.9	4.3	4.6	4.7	4.1	4.4	6.1	5.7	5.9	6.2	5.4	5.8
18	4.8	3.7	4.2	4.5	3.9	4.2	6.1	5.6	5.8	6.2	5.4	5.7
19	5.0	3.6	4.2	---	---	---	5.9	5.5	5.7	7.0	6.2	6.6
20	5.3	4.1	4.5	---	---	---	5.8	5.3	5.5	---	---	---
21	5.3	4.3	4.7	---	---	---	5.7	4.8	5.4	---	---	---
22	5.6	4.4	4.8	---	---	---	5.8	5.0	5.4	7.7	7.5	7.6
23	5.3	4.3	4.7	---	---	---	5.8	5.3	5.6	7.8	7.6	7.7
24	5.1	4.2	4.6	---	---	---	6.0	5.3	5.6	7.7	7.5	7.6
25	4.9	4.2	4.5	5.1	3.8	4.3	6.1	5.5	5.8	7.6	7.3	7.5
26	4.6	3.8	4.1	5.3	4.0	4.5	6.2	5.6	5.8	7.5	7.2	7.4
27	4.3	3.7	4.0	5.2	4.1	4.6	6.1	5.7	5.9	7.3	7.1	7.2
28	4.2	3.6	3.9	6.4	3.9	5.1	6.3	5.6	6.0	7.2	6.7	7.0
29	4.0	3.3	3.6	6.0	4.8	5.5	6.2	5.8	6.0	7.1	6.7	6.9
30	4.1	3.2	3.7	---	---	---	6.8	5.7	6.0	7.0	6.3	6.6
31	---	---	---	6.9	5.7	6.4	6.0	5.6	5.7	---	---	---
MONTH	7.4	3.2	5.2	6.9	3.6	4.7	7.1	4.1	5.5	7.8	4.6	6.2