

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA

Lower Delaware Basin
Lower Delaware Subbasin

LOCATION.--Lat 39°57'14", long 75°08'16" referenced to North American Datum of 1927, Philadelphia County, PA, 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.

WATER-QUALITY RECORDS

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.

TURBIDITY: October 2008 to current year.

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

REMARKS.--Water temperature records rated good. Specific conductance records rated good, except those for May 23 to Sep 30, which are poor. pH records rated good. Dissolved oxygen records rated fair. Turbidity records rated fair. The reporting precision of the turbidity probe in low turbidity water is +/-0.3 FNU. The lowest reportable value, 0 FNU, does not necessarily indicate a condition of zero turbidity. With the exception of turbidity, data collection suspended during winter months. Other interruptions in the record were due to malfunctions of the water-quality sensors or recording instrument. 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

WATER TEMPERATURE: Maximum, 31.0°C, Jul 13-15, 1966; minimum, 0.0°C, many days during winter periods.

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

TURBIDITY: Maximum, 210 FNU, Aug 29, 2011; minimum 0.1 FNU, on many days.

EXTREMES FOR CURRENT YEAR.--

TURBIDITY: Maximum, 210 FNU, Aug. 29; minimum, 1.7 FNU, Aug. 4, 5, 11.

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.2	7.1	7.1	7.4	7.3	7.3	---	---	---	---	---	---
2	7.3	7.2	7.2	7.4	7.3	7.3	---	---	---	---	---	---
3	7.2	6.9	7.1	7.4	7.3	7.3	---	---	---	---	---	---
4	7.0	6.9	6.9	7.4	7.2	7.3	---	---	---	---	---	---
5	6.9	6.8	6.9	7.4	7.2	7.3	---	---	---	---	---	---
6	6.9	6.8	6.9	7.4	7.2	7.3	---	---	---	---	---	---
7	7.1	6.9	7.0	7.4	7.3	7.4	---	---	---	---	---	---
8	7.1	6.9	7.0	7.4	7.3	7.4	---	---	---	---	---	---
9	7.0	7.0	7.0	7.4	7.4	7.4	---	---	---	---	---	---
10	7.0	7.0	7.0	7.4	7.4	7.4	---	---	---	---	---	---
11	7.0	6.9	7.0	7.4	7.3	7.4	---	---	---	---	---	---
12	7.0	6.9	6.9	7.4	7.3	7.4	---	---	---	---	---	---
13	7.0	6.9	6.9	7.5	7.3	7.4	---	---	---	---	---	---
14	6.9	6.8	6.9	7.4	7.3	7.4	---	---	---	---	---	---
15	6.9	6.8	6.9	7.4	7.2	7.3	---	---	---	---	---	---
16	7.0	6.9	7.0	7.4	7.3	7.3	---	---	---	---	---	---
17	7.0	6.9	7.0	7.3	7.2	7.3	---	---	---	---	---	---
18	7.1	7.0	7.0	7.4	7.3	7.3	---	---	---	---	---	---
19	7.1	7.0	7.0	7.4	7.3	7.3	---	---	---	---	---	---
20	7.1	7.0	7.0	7.4	7.3	7.4	---	---	---	---	---	---
21	7.1	7.0	7.1	7.4	7.3	7.4	---	---	---	---	---	---
22	7.2	7.0	7.1	7.4	7.3	7.3	---	---	---	---	---	---
23	7.2	7.0	7.1	7.4	7.3	7.3	---	---	---	---	---	---
24	7.2	7.1	7.2	7.4	7.3	7.4	---	---	---	---	---	---
25	7.2	7.1	7.1	7.4	7.3	7.3	---	---	---	---	---	---
26	7.2	7.0	7.1	7.3	7.2	7.3	---	---	---	---	---	---
27	7.2	7.0	7.1	7.3	7.2	7.3	---	---	---	---	---	---
28	7.2	7.0	7.1	7.3	7.2	7.3	---	---	---	---	---	---
29	7.3	7.1	7.2	7.3	7.2	7.3	---	---	---	---	---	---
30	7.3	7.2	7.3	7.3	7.2	7.3	---	---	---	---	---	---
31	7.4	7.3	7.3	---	---	---	---	---	---	---	---	---
Max	7.4	7.3	7.3	7.5	7.4	7.4	---	---	---	---	---	---
Min	6.9	6.8	6.9	7.3	7.2	7.3	---	---	---	---	---	---

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	7.4	7.3	7.3	7.2	7.0	7.1
2	---	---	---	---	---	---	7.4	7.3	7.4	7.1	7.0	7.0
3	---	---	---	---	---	---	7.5	7.3	7.4	7.1	7.0	7.0
4	---	---	---	---	---	---	7.5	7.4	7.4	7.1	7.0	7.1
5	---	---	---	---	---	---	7.5	7.4	7.4	7.2	7.0	7.1
6	---	---	---	---	---	---	7.5	7.4	7.4	7.3	7.2	7.2
7	---	---	---	---	---	---	7.5	7.4	7.4	7.3	7.2	7.3
8	---	---	---	---	---	---	7.5	7.4	7.4	7.3	7.2	7.3
9	---	---	---	---	---	---	7.4	7.3	7.4	7.3	7.2	7.3
10	---	---	---	---	---	---	7.4	7.3	7.4	7.3	7.2	7.3
11	---	---	---	---	---	---	7.4	7.3	7.4	7.3	7.2	7.3
12	---	---	---	---	---	---	7.4	7.3	7.3	7.3	7.2	7.3
13	---	---	---	---	---	---	7.3	7.3	7.3	7.3	7.2	7.3
14	---	---	---	---	---	---	7.4	7.3	7.3	7.4	7.3	7.3
15	---	---	---	---	---	---	7.4	7.3	7.4	7.3	7.2	7.3
16	---	---	---	---	---	---	7.4	7.3	7.4	7.3	7.2	7.2
17	---	---	---	---	---	---	7.4	7.2	7.3	---	---	---
18	---	---	---	---	---	---	7.4	7.2	7.2	---	---	---
19	---	---	---	---	---	---	7.2	7.1	7.2	---	---	---
20	---	---	---	---	---	---	7.2	7.1	7.2	---	---	---
21	---	---	---	---	---	---	7.2	7.1	7.2	---	---	---
22	---	---	---	---	---	---	7.3	7.2	7.2	---	---	---
23	---	---	---	---	---	---	7.3	7.2	7.2	---	---	---
24	---	---	---	---	---	---	7.2	7.2	7.2	7.2	7.2	7.2
25	---	---	---	---	---	---	7.2	7.2	7.2	7.2	7.2	7.2
26	---	---	---	---	---	---	7.3	7.2	7.2	7.3	7.2	7.2
27	---	---	---	---	---	---	7.3	7.2	7.3	7.3	7.2	7.3
28	---	---	---	---	---	---	7.3	7.2	7.2	7.3	7.2	7.3
29	---	---	---	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.3
30	---	---	---	7.4	7.3	7.3	7.3	7.1	7.2	7.4	7.2	7.3
31	---	---	---	7.4	7.3	7.3	---	---	---	7.4	7.3	7.3
Max	---	---	---	7.4	7.3	7.3	7.5	7.4	7.4	7.4	7.3	7.3
Min	---	---	---	7.4	7.3	7.3	7.2	7.1	7.2	7.1	7.0	7.0

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.4	7.3	7.3	7.3	7.1	7.2	7.2	7.0	7.0	6.8	6.6	6.7
2	7.5	7.3	7.4	7.2	7.1	7.2	7.1	6.9	7.0	6.8	6.6	6.8
3	7.6	7.3	7.4	7.2	7.1	7.2	7.1	7.0	7.0	6.8	6.7	6.8
4	7.6	7.4	7.4	7.2	7.1	7.1	7.1	6.9	7.0	6.9	6.8	6.8
5	7.5	7.4	7.4	7.4	7.1	7.2	7.1	6.9	7.0	6.9	6.8	6.8
6	7.5	7.3	7.4	7.4	7.2	7.3	7.1	6.9	7.0	6.9	6.8	6.9
7	7.5	7.3	7.4	7.4	7.3	7.4	7.1	6.9	7.0	7.1	6.9	7.0
8	7.6	7.3	7.5	7.4	7.3	7.4	7.1	7.0	7.0	7.1	6.9	7.0
9	7.6	7.3	7.4	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.8	6.9
10	7.5	7.2	7.4	7.3	7.2	7.2	7.2	7.0	7.1	6.9	6.8	6.9
11	7.4	7.1	7.3	7.3	7.2	7.2	7.2	7.0	7.1	6.9	6.8	6.9
12	7.3	7.1	7.2	7.3	7.2	7.2	7.2	7.0	7.1	6.9	6.8	6.9
13	7.2	7.1	7.2	7.3	7.2	7.2	7.3	7.1	7.2	6.9	6.9	6.9
14	7.3	7.1	7.2	7.3	7.2	7.2	7.3	7.1	7.2	7.0	6.9	6.9
15	7.3	7.1	7.2	7.3	7.2	7.2	7.2	7.0	7.1	7.0	6.8	6.9
16	7.4	7.1	7.2	7.3	7.2	7.2	7.0	7.0	7.0	7.0	6.9	6.9
17	7.4	7.2	7.2	7.3	7.1	7.2	7.0	6.8	6.9	7.0	6.9	7.0
18	7.4	7.2	7.3	7.3	7.2	7.2	6.9	6.8	6.8	7.1	7.0	7.1
19	7.4	7.2	7.3	7.3	7.1	7.2	6.9	6.8	6.8	7.1	7.0	7.1
20	7.4	7.2	7.3	7.3	7.1	7.2	6.9	6.7	6.8	7.1	7.0	7.1
21	7.4	7.2	7.3	7.4	7.1	7.2	6.9	6.8	6.8	7.1	7.0	7.0
22	7.5	7.3	7.4	7.3	7.0	7.2	6.9	6.7	6.8	7.1	7.0	7.1
23	7.5	7.3	7.4	7.3	7.0	7.1	6.9	6.8	6.8	7.1	7.0	7.0
24	7.5	7.3	7.4	7.2	7.0	7.1	6.9	6.8	6.9	7.1	7.0	7.0
25	7.6	7.4	7.5	7.2	7.0	7.1	6.9	6.8	6.9	7.2	7.0	7.1
26	7.6	7.4	7.5	7.2	7.0	7.0	6.9	6.8	6.8	7.2	7.1	7.1
27	7.5	7.3	7.4	7.2	7.0	7.1	6.8	6.8	6.8	7.1	7.0	7.1
28	7.4	7.2	7.3	7.2	7.0	7.1	7.0	6.8	6.8	7.1	7.0	7.0
29	7.4	7.2	7.2	7.2	7.0	7.1	6.9	6.7	6.8	7.1	7.0	7.0
30	7.3	7.1	7.2	7.2	6.9	7.0	6.8	6.6	6.7	7.1	6.9	7.1
31	---	---	---	7.2	7.0	7.0	6.7	6.6	6.7	---	---	---
Max	7.6	7.4	7.5	7.4	7.3	7.4	7.3	7.1	7.2	7.2	7.1	7.1
Min	7.2	7.1	7.2	7.2	6.9	7.0	6.7	6.6	6.7	6.8	6.6	6.7

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	22.7	21.8	22.3	13.8	13.4	13.6	---	---	---	---	---	---
2	21.8	19.9	21.1	13.6	13.1	13.2	---	---	---	---	---	---
3	20.0	17.8	18.4	13.3	12.9	13.1	---	---	---	---	---	---
4	18.1	16.8	17.4	13.2	12.9	13.0	---	---	---	---	---	---
5	17.2	16.1	16.6	13.0	12.8	12.9	---	---	---	---	---	---
6	16.6	15.8	16.1	12.8	12.4	12.6	---	---	---	---	---	---
7	16.1	15.4	15.7	12.5	11.7	12.2	---	---	---	---	---	---
8	15.8	15.2	15.5	12.0	10.9	11.6	---	---	---	---	---	---
9	15.8	15.3	15.5	11.4	10.8	11.1	---	---	---	---	---	---
10	15.8	15.4	15.6	11.2	10.6	10.9	---	---	---	---	---	---
11	16.1	15.6	15.8	11.0	10.4	10.8	---	---	---	---	---	---
12	16.3	15.9	16.1	10.8	10.3	10.5	---	---	---	---	---	---
13	16.3	16.0	16.2	10.6	9.9	10.3	---	---	---	---	---	---
14	16.2	16.1	16.1	10.5	9.8	10.1	---	---	---	---	---	---
15	16.1	15.8	16.0	10.4	9.6	10.1	---	---	---	---	---	---
16	15.8	15.5	15.6	10.4	9.6	10	---	---	---	---	---	---
17	15.5	15.3	15.5	10.4	9.9	10.2	---	---	---	---	---	---
18	15.5	15.3	15.4	10.2	9.6	9.8	---	---	---	---	---	---
19	15.4	15.2	15.3	9.9	9.5	9.6	---	---	---	---	---	---
20	15.3	15.0	15.2	9.6	9.3	9.4	---	---	---	---	---	---
21	15.2	14.7	15.0	9.5	9.1	9.3	---	---	---	---	---	---
22	14.9	14.1	14.6	9.5	9.2	9.4	---	---	---	---	---	---
23	14.5	13.9	14.3	9.6	9.4	9.5	---	---	---	---	---	---
24	14.6	13.8	14.2	9.6	9.4	9.5	---	---	---	---	---	---
25	14.7	14.0	14.3	9.4	9.2	9.3	---	---	---	---	---	---
26	14.8	14.2	14.5	9.3	9.0	9.2	---	---	---	---	---	---
27	15.2	14.4	14.8	9.1	8.3	8.8	---	---	---	---	---	---
28	15.3	14.7	15.0	8.5	8.0	8.3	---	---	---	---	---	---
29	14.9	14.5	14.7	8.3	7.8	8.0	---	---	---	---	---	---
30	14.5	14.1	14.3	8.3	7.6	7.9	---	---	---	---	---	---
31	14.2	13.7	13.9	---	---	---	---	---	---	---	---	---
Month	22.7	13.7	15.8	13.8	7.6	10.5	---	---	---	---	---	---

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	6.2	5.8	6.0	15.5	14.6	15.0
2	---	---	---	---	---	---	6.5	6.0	6.2	15.0	14.3	14.6
3	---	---	---	---	---	---	6.9	6.3	6.5	14.9	14.1	14.5
4	---	---	---	---	---	---	7.5	6.6	7.0	14.9	14.2	14.5
5	---	---	---	---	---	---	8.1	7.4	7.7	14.3	14.0	14.1
6	---	---	---	---	---	---	8.5	7.7	8.1	14.9	14.0	14.4
7	---	---	---	---	---	---	9.0	8.1	8.5	15.1	14.6	14.9
8	---	---	---	---	---	---	9.3	8.6	9.0	15.4	14.9	15.1
9	---	---	---	---	---	---	9.5	8.9	9.3	15.7	15.2	15.4
10	---	---	---	---	---	---	9.5	9.2	9.3	15.8	15.3	15.5
11	---	---	---	---	---	---	9.8	9.1	9.4	16.2	15.6	15.8
12	---	---	---	---	---	---	9.8	9.5	9.6	16.5	15.9	16.2
13	---	---	---	---	---	---	10.0	9.6	9.8	16.7	16.3	16.5
14	---	---	---	---	---	---	11.3	9.8	10.3	16.8	16.6	16.7
15	---	---	---	---	---	---	11.9	10.5	11.4	17.2	16.7	16.9
16	---	---	---	---	---	---	11.8	11.3	11.5	17.5	17.0	17.2
17	---	---	---	---	---	---	11.9	11.4	11.6	17.6	17.3	17.4
18	---	---	---	---	---	---	11.4	11.2	11.3	17.7	17.4	17.6
19	---	---	---	---	---	---	11.3	10.5	11.0	17.9	17.6	17.7
20	---	---	---	---	---	---	10.9	10.4	10.7	17.8	17.1	17.5
21	---	---	---	---	---	---	10.7	10.4	10.6	17.6	16.9	17.1
22	---	---	---	---	---	---	10.5	10.3	10.4	17.1	16.6	16.9
23	---	---	---	---	---	---	10.6	10.4	10.4	17.0	16.6	16.8
24	---	---	---	---	---	---	11.4	10.5	10.8	17.3	16.9	17.1
25	---	---	---	---	---	---	11.8	11.1	11.4	17.9	17.2	17.6
26	---	---	---	---	---	---	12.7	11.7	12.1	18.5	17.7	18.0
27	---	---	---	---	---	---	13.9	12.5	13.2	19.0	18.3	18.6
28	---	---	---	---	---	---	15.0	13.6	14.4	19.7	18.9	19.2
29	---	---	---	5.7	5.1	5.4	15.8	14.7	15.4	20.7	19.5	20.0
30	---	---	---	5.9	5.4	5.7	15.7	15.4	15.5	21.8	20.2	20.9
31	---	---	---	6.0	5.7	5.9	---	---	---	22.8	21.1	21.9
Month	---	---	---	6.0	5.1	5.7	15.8	5.8	10.3	22.8	14.0	16.8

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	23.6	21.9	22.7	23.8	22.9	23.4	29.4	28.9	29.1	20.2	19.8	20.0
2	23.6	22.8	23.3	23.9	23.3	23.6	29.2	28.7	29.0	20.5	20.0	20.2
3	23.5	22.9	23.2	24.2	23.7	23.9	29.0	28.7	28.8	20.8	20.4	20.6
4	23.4	22.8	23.1	24.5	24.0	24.2	28.7	28.3	28.4	21.3	20.7	21.0
5	23.3	22.8	23.0	24.9	24.3	24.6	28.4	28.1	28.2	21.7	21.2	21.4
6	23.5	22.8	23.2	25.2	24.8	25.0	28.2	28.0	28.1	21.6	21.2	21.5
7	23.7	23.1	23.4	25.6	25.1	25.3	28.1	27.9	28.0	21.3	20.1	20.9
8	24.1	23.4	23.8	25.5	25.1	25.3	28.2	27.9	28.0	20.3	18.5	19.1
9	24.5	24.0	24.2	25.5	24.8	25.1	28.2	27.9	28.0	18.6	18.1	18.3
10	24.9	24.3	24.6	25.6	24.6	25.1	28.0	27.8	27.9	18.9	18.1	18.6
11	24.9	24.6	24.7	25.6	24.8	25.2	27.8	27.5	27.7	19.5	18.9	19.2
12	24.8	24.3	24.6	25.8	25.3	25.6	27.6	27.2	27.5	19.9	19.4	19.6
13	24.8	24.2	24.4	26.0	25.6	25.8	27.5	27.1	27.3	20.3	19.8	20.0
14	24.6	23.8	24.1	25.9	25.5	25.7	27.3	25.7	26.6	20.6	20.1	20.3
15	24.2	23.6	23.9	25.8	25.4	25.6	26.1	24.9	25.6	20.6	20.3	20.5
16	24.1	23.8	24.0	25.9	25.5	25.7	25.4	24.3	24.9	20.3	20.0	20.2
17	24.1	23.7	23.9	26.1	25.6	25.8	24.9	23.6	24.4	20.1	19.6	19.9
18	24.3	23.9	24.1	26.2	25.8	26.0	24.4	23.2	23.8	19.6	19.1	19.4
19	24.5	24.1	24.3	26.7	26.1	26.4	24.0	23.1	23.5	19.2	18.6	18.9
20	24.5	24.2	24.3	27.0	26.4	26.7	23.9	23.2	23.4	18.7	18.1	18.5
21	24.4	24.0	24.2	27.4	26.8	27.1	23.8	23.4	23.6	18.6	17.8	18.1
22	24.7	24.1	24.3	27.9	27.3	27.6	23.7	23.5	23.6	18.5	17.6	18.0
23	24.8	24.3	24.5	28.3	27.8	28.0	23.8	23.4	23.6	18.5	17.8	18.2
24	24.8	24.3	24.6	28.6	28.1	28.3	24.0	23.6	23.8	18.5	18.2	18.3
25	24.7	24.4	24.6	28.6	28.3	28.4	24.0	23.8	23.9	19.0	18.3	18.5
26	25.0	24.6	24.7	28.8	28.1	28.4	24.3	23.8	24.0	19.6	18.7	19.1
27	24.8	23.2	24.2	28.8	28.3	28.5	24.2	24.0	24.2	19.8	19.3	19.6
28	24.6	22.8	23.5	28.8	28.4	28.6	24.1	22.4	23.3	20.0	19.8	19.9
29	24.3	22.7	23.3	29.1	28.4	28.6	22.4	20.7	21.7	20.3	20.0	20.1
30	23.9	22.7	23.3	29.3	28.6	28.8	20.7	19.7	20.3	20.2	19.3	19.9
31	---	---	---	29.3	28.7	29.0	20.1	19.6	19.8	---	---	---
Month	25.0	21.9	23.9	29.3	22.9	26.3	29.4	19.6	25.5	21.7	17.6	19.6

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

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	375	242	295	225	211	217	---	---	---	---	---	---
2	258	191	236	236	219	226	---	---	---	---	---	---
3	201	127	153	238	227	233	---	---	---	---	---	---
4	150	108	124	246	229	237	---	---	---	---	---	---
5	123	106	113	246	231	239	---	---	---	---	---	---
6	123	110	116	246	226	239	---	---	---	---	---	---
7	131	117	125	245	212	232	---	---	---	---	---	---
8	147	127	135	230	210	218	---	---	---	---	---	---
9	150	135	143	236	210	220	---	---	---	---	---	---
10	153	144	148	236	213	222	---	---	---	---	---	---
11	153	146	150	242	214	227	---	---	---	---	---	---
12	157	147	152	236	217	228	---	---	---	---	---	---
13	161	147	152	234	214	223	---	---	---	---	---	---
14	161	150	155	231	216	222	---	---	---	---	---	---
15	162	153	157	229	216	223	---	---	---	---	---	---
16	163	154	158	232	213	222	---	---	---	---	---	---
17	171	159	165	231	213	223	---	---	---	---	---	---
18	172	166	170	225	205	214	---	---	---	---	---	---
19	178	170	175	218	204	210	---	---	---	---	---	---
20	186	175	180	217	204	210	---	---	---	---	---	---
21	190	180	185	218	204	209	---	---	---	---	---	---
22	194	186	190	220	206	212	---	---	---	---	---	---
23	205	191	196	219	209	214	---	---	---	---	---	---
24	205	195	200	223	211	216	---	---	---	---	---	---
25	210	201	205	224	209	216	---	---	---	---	---	---
26	214	203	209	224	205	217	---	---	---	---	---	---
27	218	207	213	218	191	206	---	---	---	---	---	---
28	220	208	214	213	185	198	---	---	---	---	---	---
29	217	207	212	214	186	197	---	---	---	---	---	---
30	223	207	213	210	184	195	---	---	---	---	---	---
31	217	208	212	---	---	---	---	---	---	---	---	---
Month	375	106	176	246	184	219	---	---	---	---	---	---

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

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	218	206	212	138	118	126
2	---	---	---	---	---	---	224	210	216	123	116	120
3	---	---	---	---	---	---	225	215	219	127	118	122
4	---	---	---	---	---	---	225	216	220	145	122	132
5	---	---	---	---	---	---	226	217	221	150	131	140
6	---	---	---	---	---	---	223	215	219	146	112	129
7	---	---	---	---	---	---	221	212	217	146	115	128
8	---	---	---	---	---	---	221	206	215	137	129	133
9	---	---	---	---	---	---	216	204	210	134	124	130
10	---	---	---	---	---	---	211	203	207	135	120	127
11	---	---	---	---	---	---	209	195	202	132	116	125
12	---	---	---	---	---	---	205	190	199	134	123	127
13	---	---	---	---	---	---	205	190	197	134	126	130
14	---	---	---	---	---	---	199	192	196	138	129	134
15	---	---	---	---	---	---	203	193	198	144	135	140
16	---	---	---	---	---	---	204	189	198	149	140	145
17	---	---	---	---	---	---	204	175	186	153	145	149
18	---	---	---	---	---	---	183	159	171	162	148	155
19	---	---	---	---	---	---	170	150	163	175	156	162
20	---	---	---	---	---	---	159	147	153	183	163	171
21	---	---	---	---	---	---	156	148	151	181	152	169
22	---	---	---	---	---	---	160	149	154	158	117	137
23	---	---	---	---	---	---	165	154	159	142	105	118
24	---	---	---	---	---	---	163	154	159	136	108	121
25	---	---	---	---	---	---	166	156	161	133	107	114
26	---	---	---	---	---	---	177	160	169	117	107	113
27	---	---	---	---	---	---	182	167	177	128	113	121
28	---	---	---	---	---	---	179	167	172	135	118	129
29	---	---	---	211	199	205	171	151	162	136	127	132
30	---	---	---	209	201	205	156	132	142	140	132	136
31	---	---	---	212	201	206	---	---	---	148	133	139
Month	---	---	---	212	199	205	226	132	188	183	105	134

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

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	147	140	144	165	126	138	240	216	230	124	108	116
2	150	143	147	157	127	137	244	229	238	125	117	121
3	157	145	151	156	129	139	247	237	242	138	122	129
4	160	151	156	151	134	143	253	226	244	143	134	138
5	165	155	160	158	143	150	251	241	246	150	141	145
6	168	159	164	162	151	157	256	240	248	173	144	159
7	179	162	169	171	155	163	256	241	249	171	152	160
8	180	164	172	176	162	170	256	235	245	152	100	124
9	182	167	175	176	150	166	254	224	239	107	99	103
10	192	170	178	174	145	158	254	226	235	109	97	103
11	193	176	183	174	141	151	247	230	236	126	101	114
12	196	182	187	165	144	150	247	233	239	135	118	124
13	200	184	190	168	145	153	248	233	240	143	122	131
14	205	190	195	162	149	156	247	182	223	150	132	141
15	208	187	201	171	154	162	207	170	184	158	141	149
16	213	202	208	170	159	164	181	167	173	160	148	153
17	217	207	212	172	155	165	174	164	169	164	152	156
18	226	210	218	174	160	167	171	164	167	165	155	160
19	232	220	224	177	160	169	184	170	175	167	154	162
20	234	224	228	184	166	176	186	177	181	170	162	166
21	233	224	230	187	172	181	185	171	180	174	166	170
22	236	223	230	194	176	186	178	158	166	180	168	175
23	236	221	230	199	181	192	171	161	166	189	173	181
24	237	217	227	206	188	196	176	166	172	193	178	183
25	229	210	215	209	189	197	186	171	179	204	184	196
26	217	200	212	209	190	198	188	178	184	204	186	196
27	216	148	186	209	195	201	192	179	185	198	175	187
28	206	137	163	213	200	207	185	111	157	191	162	181
29	191	128	148	220	209	215	128	111	118	180	155	165
30	177	128	142	229	216	220	123	102	112	155	120	137
31	---	---	---	234	221	226	118	102	107	---	---	---
Month	237	128	188	234	126	173	256	102	198	204	97	151

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

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	14	5.4	8.6	24	4.9	14	15	6.4	9.9	15	6.5	11
2	49	7.3	20	24	3.6	13	18	7.0	12	16	7.7	11
3	57	14	31	21	5.1	11	24	9.7	15	21	8.4	13
4	76	15	37	25	5.7	12	38	14	25	23	8.0	12
5	87	20	53	31	7.0	15	35	15	24	22	8.8	13
6	62	24	47	24	4.6	14	31	16	23	26	8.2	14
7	64	22	44	26	5.7	14	39	19	26	16	6.8	11
8	52	18	33	28	5.5	16	36	14	24	18	7.8	11
9	40	16	25	27	6.2	16	28	11	21	17	7.4	11
10	41	12	21	21	6.2	13	22	11	16	21	7.6	12
11	32	11	19	14	4.6	9.1	22	9.7	15	20	8.5	12
12	30	9.7	17	13	4.1	8.5	17	10	13	16	7.1	10
13	25	8.3	14	13	4.7	8.2	15	8.5	11	18	8.0	12
14	22	8.9	13	13	4.2	7.5	20	7.7	12	22	7.1	12
15	27	7.6	14	12	4.2	7.4	16	7.7	12	20	7.3	11
16	39	8.7	22	12	4.0	7.2	14	8.3	11	18	7.4	12
17	32	7.4	17	18	4.0	8.6	15	9.2	11	15	7.3	11
18	25	7.4	17	18	4.9	11	20	9.7	13	17	6.6	11
19	21	6.7	14	18	5.5	11	18	9.1	13	20	7.3	11
20	22	6.9	12	22	6.0	11	18	7.8	12	20	7.5	12
21	25	6.3	14	22	6.8	11	18	8.5	13	19	8.4	13
22	24	6.6	15	20	5.7	11	18	9.1	13	20	9.0	14
23	26	7.2	14	22	5.9	11	19	8.4	13	26	8.1	14
24	21	6.0	12	23	6.3	14	19	8.2	13	19	7.9	12
25	21	5.3	10	21	6.0	12	17	8.6	12	16	8.3	12
26	17	6.0	10	22	5.7	11	14	8.1	11	22	8.0	12
27	16	6.1	9.6	20	6.5	12	24	8.2	14	19	7.3	12
28	18	5.4	9.4	24	5.8	13	26	9.7	15	15	7.9	11
29	22	5.3	11	18	6.6	11	26	9.5	14	16	8.3	12
30	24	6.0	12	18	5.6	10	18	7.9	12	---	---	---
31	22	5.6	12	---	---	---	18	8.3	11	---	---	---
Month	87	5.3	20	31	3.6	11	39	6.4	15	26	6.5	12

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

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	17	7.8	13	10	4.7	7.2	30	11	17
2	---	---	---	17	9.1	13	10	4.3	7.5	32	8.9	18
3	---	---	---	16	7.1	11	11	4.7	7.4	23	8.2	14
4	---	---	---	16	7.3	9.4	9.7	4.6	6.8	16	6.7	10
5	13	6.5	9.5	14	6.5	8.6	11	5.3	7.3	14	5.5	9.9
6	---	---	---	12	6.0	8.5	14	6.0	8.8	18	5.1	9.3
7	---	---	---	27	6.8	15	11	4.9	7.1	17	4.2	8.6
8	10	5.6	7.7	55	20	38	10	4.8	6.8	13	3.2	7.7
9	14	4.5	7.9	55	38	47	7.3	4.1	5.6	13	3.2	6.8
10	14	5.4	7.5	48	28	38	7.5	4.2	5.5	11	3.2	6.6
11	10	4.8	7.3	33	17	24	9.3	4.6	6.0	10	3.2	6.1
12	11	4.2	6.5	110	26	67	9.0	4.6	6.4	11	3.8	6.5
13	8.5	4.5	6.6	110	64	86	9.1	4.4	6.7	11	3.8	6.2
14	9.3	4.1	6.7	87	42	63	9.7	5.0	7.4	11	3.8	6.3
15	13	5.2	7.8	49	25	36	9.1	5.6	7.3	16	4.0	6.7
16	14	4.8	7.7	40	20	26	18	5.1	8.0	16	3.6	7.1
17	15	5.2	7.6	29	17	22	34	6.2	21	11	3.8	6.4
18	12	4.9	7.4	23	16	20	56	20	37	11	4.5	6.6
19	12	4.9	8.2	26	15	20	48	21	36	12	4.1	7.4
20	16	5.4	9.6	24	12	17	32	14	22	14	4.3	9.1
21	13	4.7	8.8	19	11	14	19	11	15	18	4.3	8.9
22	13	5.4	8.9	20	9.9	14	17	8.2	11	28	6.3	19
23	13	5.1	8.6	20	9.8	13	14	6.9	9.2	19	7.4	11
24	14	6.5	8.7	15	8.9	11	13	6.3	8.7	14	4.9	8.6
25	13	6.0	9.0	16	8.0	12	14	6.9	9.1	12	3.7	7.4
26	13	7.1	9.7	14	7.2	11	20	5.8	11	11	4.1	6.2
27	11	5.9	8.3	13	7.1	10	26	6.8	14	14	4.4	8.3
28	11	7.1	8.7	12	6.9	9.4	24	7.7	14	12	4.4	8.0
29	---	---	---	11	5.5	8.4	23	6.2	13	14	4.7	7.8
30	---	---	---	11	5.5	7.9	28	6.2	16	21	4.3	8.1
31	---	---	---	9.3	5.5	7.0	---	---	---	21	3.6	7.9
Month	16	4.1	8.1	110	5.5	23	56	4.1	12	32	3.2	9.0

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

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	14	5.0	7.9	12	4.3	9.3	12	2.9	7.0	100	16	29
2	29	4.1	11	23	4.9	8.9	17	2.3	6.5	38	13	21
3	24	4.9	11	16	5.7	8.7	11	2.0	5.1	32	12	18
4	28	5.4	12	16	5.3	9.2	13	1.7	4.0	32	10	17
5	21	5.0	9.8	15	5.7	9.3	12	1.7	4.8	26	9.0	14
6	25	4.2	10	16	4.3	8.3	10	1.9	4.6	31	7.1	13
7	21	4.0	9.4	21	4.2	8.2	14	2.7	4.9	30	8.1	15
8	17	3.9	8.6	16	4.6	7.9	12	2.4	5.0	110	22	61
9	15	4.3	8.2	18	4.8	8.5	21	2.3	4.9	140	69	100
10	12	4.2	7.2	12	4.3	7.6	11	2.1	4.8	110	51	77
11	12	4.6	7.3	29	4.4	8.1	31	1.7	5.1	57	26	42
12	15	4.6	7.6	15	4.8	8.5	13	2.3	5.5	36	16	25
13	19	3.9	9.4	17	4.9	8.5	21	2.6	5.3	34	14	18
14	20	3.5	8.7	17	5.4	8.7	9.1	2.6	4.2	38	13	17
15	17	4.7	9.1	16	5.0	8.5	12	2.6	6.1	66	12	17
16	17	4.8	8.6	18	5.2	8.6	14	4.6	7.4	18	10	14
17	18	4.0	8.1	14	4.5	7.8	19	5.3	7.9	18	7.9	12
18	16	5.2	9.5	15	4.5	7.6	20	4.9	8.4	16	8.4	11
19	14	4.1	8.0	17	3.9	7.5	11	4.9	6.3	14	7.2	10
20	15	3.6	7.1	21	4.3	7.6	23	3.5	6.7	15	6.4	9.4
21	11	3.7	6.6	15	4.6	7.5	6.4	2.9	4.2	18	6.0	9.8
22	11	3.3	6.3	30	4.3	8.2	11	3.2	5.9	16	6.8	10
23	10	2.8	5.8	11	4.4	6.8	31	3.2	5.8	21	6.0	9.8
24	10	3.4	5.8	12	4.3	6.8	26	3.1	5.6	18	5.2	9.3
25	12	3.6	6.1	9.8	3.2	5.3	12	2.5	4.5	31	5.7	11
26	18	4.4	8.8	10	3.2	5.5	18	2.6	5.6	23	7.5	13
27	17	5.1	9.5	11	3.4	5.4	18	2.5	5.3	30	6.5	13
28	12	4.9	8.6	8.7	3.3	5.2	120	3.4	46	14	6.4	9.9
29	27	4.5	9.7	13	3.6	5.8	210	58	97	42	5.6	12
30	14	5.2	9.2	15	2.9	6.8	160	38	57	75	9.7	25
31	---	---	---	19	4.4	7.5	130	25	42	---	---	---
Month	29	2.8	8.5	30	2.9	7.7	210	1.7	13	140	5.2	22

	Max	Min	Mean
Year	210	1.7	13

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	6.5	5.2	5.8	8.9	8.1	8.6	---	---	---	---	---	---
2	6.8	6.0	6.4	8.9	8.1	8.6	---	---	---	---	---	---
3	7.1	6.7	6.9	8.9	8.0	8.5	---	---	---	---	---	---
4	7.3	6.8	7.0	8.8	7.9	8.3	---	---	---	---	---	---
5	7.6	6.9	7.3	8.5	7.7	8.1	---	---	---	---	---	---
6	7.9	7.0	7.5	8.7	7.9	8.3	---	---	---	---	---	---
7	8.4	7.4	7.9	9.0	8.2	8.6	---	---	---	---	---	---
8	8.6	7.9	8.2	9.4	8.4	8.9	---	---	---	---	---	---
9	8.6	8.0	8.3	9.4	8.7	9.1	---	---	---	---	---	---
10	8.5	8.0	8.3	9.6	8.8	9.2	---	---	---	---	---	---
11	8.3	7.9	8.2	9.6	8.8	9.2	---	---	---	---	---	---
12	8.2	7.7	8.0	9.6	8.8	9.2	---	---	---	---	---	---
13	8.1	7.6	7.9	9.8	8.9	9.4	---	---	---	---	---	---
14	8.0	7.4	7.8	9.8	8.9	9.4	---	---	---	---	---	---
15	7.9	7.4	7.7	9.9	8.9	9.4	---	---	---	---	---	---
16	8.3	7.8	8.0	9.9	8.9	9.5	---	---	---	---	---	---
17	8.2	7.7	8.0	10.0	9.0	9.5	---	---	---	---	---	---
18	8.3	7.7	8.0	10.3	9.4	9.9	---	---	---	---	---	---
19	8.3	7.6	8.0	10.4	9.6	10.1	---	---	---	---	---	---
20	8.2	7.6	8.0	10.5	9.7	10.2	---	---	---	---	---	---
21	8.3	7.5	7.9	10.6	9.9	10.3	---	---	---	---	---	---
22	8.6	7.7	8.1	10.5	9.8	10.2	---	---	---	---	---	---
23	8.7	7.7	8.2	10.3	9.8	10.1	---	---	---	---	---	---
24	8.7	7.9	8.3	10.3	9.9	10.1	---	---	---	---	---	---
25	8.5	7.7	8.2	10.4	9.8	10.1	---	---	---	---	---	---
26	8.6	7.6	8.2	10.2	9.6	9.9	---	---	---	---	---	---
27	8.5	7.6	8.1	10.4	9.8	10.1	---	---	---	---	---	---
28	8.5	7.5	8.1	10.6	10.0	10.3	---	---	---	---	---	---
29	8.6	7.9	8.3	10.7	10.0	10.4	---	---	---	---	---	---
30	8.8	7.9	8.4	10.9	10.0	10.5	---	---	---	---	---	---
31	8.9	8.2	8.6	---	---	---	---	---	---	---	---	---
Month	8.9	5.2	7.9	10.9	7.7	9.5	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	12.8	12.6	12.7	9.7	9.2	9.5
2	---	---	---	---	---	---	12.7	12.6	12.6	9.9	9.4	9.7
3	---	---	---	---	---	---	12.6	12.5	12.6	10.2	9.5	9.9
4	---	---	---	---	---	---	12.6	12.4	12.5	10.1	9.6	9.9
5	---	---	---	---	---	---	12.4	12.1	12.3	10.0	9.6	9.8
6	---	---	---	---	---	---	12.2	11.9	12.0	9.9	9.6	9.7
7	---	---	---	---	---	---	12.1	11.9	12.0	9.7	9.4	9.6
8	---	---	---	---	---	---	12.0	11.5	11.8	9.8	9.4	9.6
9	---	---	---	---	---	---	11.6	11.4	11.5	9.8	9.4	9.6
10	---	---	---	---	---	---	11.8	11.2	11.6	9.9	9.4	9.6
11	---	---	---	---	---	---	12.0	11.4	11.7	10.0	9.3	9.7
12	---	---	---	---	---	---	12.0	11.5	11.8	9.8	9.4	9.6
13	---	---	---	---	---	---	11.8	11.5	11.6	9.8	9.3	9.6
14	---	---	---	---	---	---	11.6	11.3	11.5	9.6	9.2	9.5
15	---	---	---	---	---	---	11.4	10.9	11.2	9.2	8.8	9.0
16	---	---	---	---	---	---	11.2	10.6	10.9	8.9	8.5	8.7
17	---	---	---	---	---	---	11.0	10.0	10.6	8.6	8.3	8.5
18	---	---	---	---	---	---	11.0	10.6	10.7	8.5	8.0	8.3
19	---	---	---	---	---	---	11.0	10.4	10.6	8.3	7.8	8.1
20	---	---	---	---	---	---	11.1	10.6	10.8	8.4	7.7	8.1
21	---	---	---	---	---	---	11.3	10.8	11.1	8.7	8.1	8.5
22	---	---	---	---	---	---	11.5	11.1	11.3	8.8	8.4	8.6
23	---	---	---	---	---	---	11.4	11.1	11.2	8.8	8.4	8.6
24	---	---	---	---	---	---	11.2	10.9	11.1	8.6	8.1	8.5
25	---	---	---	---	---	---	11.2	11.0	11.1	8.7	8.3	8.5
26	---	---	---	---	---	---	11.3	10.8	11.1	8.6	8.2	8.5
27	---	---	---	---	---	---	11.1	10.5	10.9	8.5	8.0	8.4
28	---	---	---	---	---	---	10.8	9.9	10.3	8.6	7.9	8.3
29	---	---	---	13.1	12.8	13.0	10.1	9.7	9.9	8.6	7.9	8.3
30	---	---	---	13.0	12.8	13.0	9.8	9.3	9.5	8.5	7.9	8.2
31	---	---	---	13.0	12.8	12.9	---	---	---	8.5	7.9	8.2
Month	---	---	---	13.1	12.8	13.0	12.8	9.3	11.3	10.2	7.7	9.0

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	8.4	7.8	8.1	7.2	6.5	6.9	4.4	3.7	4.1	7.6	7.0	7.3
2	8.2	7.7	8.0	7.2	6.6	6.9	4.3	3.7	4.0	7.7	7.0	7.4
3	8.3	7.6	8.0	7.3	6.6	6.9	4.4	3.8	4.0	7.6	7.3	7.4
4	8.3	7.6	8.0	7.3	6.2	6.7	4.3	3.7	3.9	7.5	7.2	7.4
5	8.1	7.5	7.8	7.5	6.1	6.8	4.3	3.4	3.8	7.6	7.0	7.3
6	8.2	7.3	7.8	7.6	6.5	7.2	4.7	3.4	4.0	7.5	7.2	7.3
7	8.3	7.4	7.9	7.8	7.0	7.5	4.8	3.8	4.2	8.1	7.4	7.8
8	8.7	7.5	8.1	7.7	7.1	7.5	5.3	3.7	4.4	8.5	8.0	8.3
9	8.8	7.5	8.2	7.2	6.6	6.8	5.6	4.0	4.8	8.3	8.0	8.2
10	8.5	6.7	7.8	7.2	6.5	6.8	6.0	4.1	4.9	8.2	8.0	8.1
11	7.9	5.9	7.1	7.5	6.7	7.0	6.2	4.2	5.2	8.2	7.8	8.0
12	7.1	5.1	6.3	7.4	6.6	6.9	6.5	4.7	5.5	8.0	7.6	7.8
13	6.6	5.1	5.9	7.3	6.6	6.8	6.8	4.8	5.7	8.0	7.5	7.8
14	6.7	4.8	5.8	7.2	6.3	6.7	6.7	5.0	5.8	8.0	7.4	7.8
15	6.6	4.9	5.8	7.0	6.2	6.6	6.8	5.8	6.1	8.0	7.5	7.8
16	6.7	4.8	5.7	7.1	6.1	6.5	6.2	5.4	5.7	8.0	7.5	7.8
17	6.6	5.0	5.9	7.1	6.0	6.6	6.3	5.2	5.8	8.2	7.6	7.8
18	6.6	5.2	6.0	7.2	6.0	6.6	6.3	5.6	6.0	8.2	7.6	7.9
19	6.8	5.3	6.0	7.3	6.0	6.5	6.3	5.1	5.7	8.4	7.7	8.1
20	6.8	5.4	6.2	7.1	5.8	6.4	6.7	5.1	5.8	8.5	7.9	8.2
21	7.1	5.7	6.5	7.2	5.4	6.2	6.6	5.5	6.2	8.6	7.9	8.3
22	7.7	6.0	6.9	6.8	5.3	6.1	6.0	5.3	5.7	8.6	7.8	8.3
23	7.9	6.5	7.2	6.7	5.2	5.8	6.3	5.6	6.0	8.5	7.6	8.1
24	8.1	6.6	7.4	6.4	4.9	5.6	6.6	5.4	6.0	8.3	7.4	7.9
25	8.4	7.3	8.1	6.0	4.6	5.3	6.3	5.2	5.9	8.3	7.5	8.1
26	8.1	7.2	7.5	5.7	4.2	4.9	6.0	5.1	5.6	8.1	7.7	7.9
27	7.5	7.1	7.3	5.7	4.1	4.8	6.2	4.8	5.5	7.8	7.3	7.6
28	7.5	7.0	7.2	5.3	4.0	4.6	7.1	5.6	6.5	7.8	7.2	7.5
29	7.2	6.8	7.0	5.0	3.8	4.4	6.8	6.0	6.4	8.0	7.3	7.7
30	7.0	6.5	6.8	4.7	3.7	4.2	7.3	5.9	6.7	8.1	7.6	7.9
31	---	---	---	4.7	3.8	4.2	7.5	6.9	7.2	---	---	---
Month	8.8	4.8	7.1	7.8	3.7	6.2	7.5	3.4	5.4	8.6	7.0	7.8