

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC

Pamlico Basin
Pamlico Subbasin

LOCATION.--Lat 35°31'05", long 76°29'47" referenced to North American Datum of 1983, Hyde County, NC, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2002 to current year.

PERIOD OF DAILY RECORD.--

SALINITY (TOP AND BOTTOM): May 2002 to current year.

pH (TOP AND BOTTOM): May 2002 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): May 2002 to current year.

DISSOLVED OXYGEN (TOP AND BOTTOM): May 2002 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): May 2002 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from May 2002 to current year.

REMARKS.--The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 21, 2003. The monitor was removed on September 11, 2005 to prevent possible destruction during Hurricane Ophelia. It was reinstalled on September 19, 2005. Top constituents were monitored at 8 ft above the streambed and bottom constituents, 2 ft above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311.

COOPERATION.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SALINITY (TOP): Maximum recorded, 18.5 ppt, October 11, 2002; minimum recorded, 0.3 ppt, August 17, 23, 2003.

SALINITY (BOTTOM): Maximum recorded, 20.5 ppt, October 25, 26, 2002; minimum recorded, 0.3 ppt, August 17, 23, 2003.

pH (TOP): Maximum recorded, 8.6 standard units, April 20, 2005, July 27, 2006, December 19, 2006, April 21, 22, 2007; minimum recorded, 5.5 standard units, August 23, 2003.

pH (BOTTOM): Maximum recorded, 8.4 standard units, July 27, 2006; minimum recorded, 5.5 standard units, August 23, 2003.

WATER TEMPERATURE (TOP): Maximum recorded, 32.7°C, August 3, 2006; minimum recorded, 0.2°C, January 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.7°C, August 4, 2006; minimum recorded, 0.4°C, January 24, 2003.

DISSOLVED OXYGEN (TOP): Maximum recorded, 13.6 mg/L, February 9, 2003; minimum recorded, <1.0 mg/L, July 22, 26, 27, 2004, August 5, 2005, July 27, 2007.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 13.1 mg/L, January 25, 2003; minimum recorded, <1.0 mg/L, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 16.5, September 30; minimum recorded, 3.9 ppt, February 6, 10, 11.

SALINITY (BOTTOM): Maximum recorded, 19.0 ppt, September 27; minimum recorded, 4.0 ppt, February 8.

pH (TOP): Maximum recorded, 8.6 standard units, December 19, April 21, 22; minimum recorded, 6.7 standard units, February 5, 6.

pH (BOTTOM): Maximum recorded, 8.2 standard units, September 15, 16, 17, 18, 19; minimum recorded, 6.6 standard units, on several days during the year.

WATER TEMPERATURE (TOP): Maximum recorded, 32.1°C, August 8; minimum recorded, 3.7°C, February 9.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.3°C, August 10; minimum recorded, 3.5°C, February 6.

DISSOLVED OXYGEN (TOP): Maximum recorded, 12.4 mg/L, February 19, 20; minimum recorded, 0.5 mg/L, July 27.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 12.0 mg/L, February 6; minimum recorded, 0.0 mg/L, on many days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 125%, April 21, 22; minimum recorded, 7%, July 27.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 108%, March 23, 28; minimum recorded, 0%, on many days during the year.

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	10.9	10.9	10.9	11.7	11.5	11.6	12.4	10.4	11.1	9.7	9.3	9.5
2	11.0	10.6	10.9	11.8	11.1	11.6	10.7	9.4	9.8	9.5	9.2	9.3
3	11.0	10.6	10.7	11.7	10.7	11.2	9.5	8.9	9.2	9.3	9.0	9.2
4	10.9	10.7	10.8	11.6	11.0	11.2	9.2	8.1	9.0	9.3	9.2	9.2
5	11.1	10.8	10.9	11.5	11.3	11.4	9.2	8.2	8.7	9.4	9.2	9.3
6	11.2	10.9	11.0	11.7	11.5	11.6	9.0	8.6	8.8	9.3	8.9	9.1
7	11.2	10.9	11.0	11.8	11.5	11.7	9.0	8.8	8.9	9.2	8.6	9.0
8	11.4	11.1	11.2	11.7	11.5	11.6	9.4	8.0	8.9	9.2	8.6	8.9
9	11.6	11.3	11.4	11.6	11.4	11.5	9.0	8.3	8.8	8.8	8.6	8.7
10	11.7	11.5	11.6	11.8	11.4	11.6	9.1	8.1	8.6	8.6	7.9	8.1
11	11.7	11.5	11.5	11.8	11.1	11.7	8.6	8.1	8.4	8.3	7.5	8.1
12	11.7	11.4	11.5	11.8	11.1	11.5	8.9	8.2	8.5	8.5	7.9	8.2
13	11.7	11.5	11.6	11.1	10.7	10.9	9.3	8.5	9.0	8.3	7.8	8.1
14	11.6	11.5	11.6	11.1	11.0	11.1	9.4	8.8	9.2	8.2	7.3	7.8
15	11.7	11.5	11.6	11.3	11.1	11.2	9.5	8.3	8.9	8.0	7.7	7.8
16	11.7	11.6	11.6	12.0	11.3	11.6	9.0	8.3	8.5	7.8	7.5	7.7
17	11.8	11.7	11.7	11.5	11.1	11.2	9.2	8.4	8.9	7.8	6.5	7.0
18	11.7	11.5	11.6	11.2	9.8	10.3	9.5	8.2	8.8	7.0	6.5	6.7
19	11.8	11.5	11.7	10.2	9.0	9.4	8.6	8.2	8.4	6.8	6.5	6.7
20	11.8	11.5	11.6	10.2	9.3	9.8	8.4	8.0	8.2	6.8	6.4	6.6
21	11.8	11.5	11.7	10.6	9.8	10.2	8.9	8.3	8.5	6.7	6.4	6.6
22	11.9	11.5	11.7	11.1	9.3	10.1	12.8	8.5	10.2	6.7	6.5	6.6
23	11.8	11.5	11.7	9.3	8.3	8.8	13.0	8.8	10.8	6.7	6.2	6.4
24	12.0	11.3	11.7	9.3	6.7	7.9	9.7	8.4	8.9	6.7	5.7	6.2
25	11.9	11.6	11.8	9.0	7.5	8.1	10.8	8.4	9.2	6.5	5.7	6.1
26	11.8	11.7	11.8	9.9	8.1	8.5	10.3	9.6	9.9	6.4	5.6	6.0
27	11.8	11.7	11.8	11.7	8.5	10.1	9.9	9.5	9.7	6.0	5.7	5.8
28	11.7	11.5	11.6	11.4	10.6	11.0	9.8	9.6	9.7	6.0	5.6	5.8
29	11.7	11.6	11.7	12.0	11.0	11.4	9.8	9.2	9.7	6.0	5.3	5.7
30	11.6	11.5	11.6	12.4	10.8	11.6	9.8	9.1	9.4	5.7	5.6	5.7
31	11.7	11.5	11.6	---	---	---	9.7	8.8	9.3	6.0	5.4	5.7
Month	12.0	10.6	11.5	12.4	6.7	10.7	13.0	8.0	9.2	9.7	5.3	7.5

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	6.0	5.0	5.5	5.9	5.1	5.3	5.2	5.1	5.2	5.4	5.1	5.3
2	5.6	5.1	5.3	6.1	5.3	5.6	5.1	5.0	5.1	5.3	4.8	5.0
3	5.5	5.4	5.4	5.6	5.3	5.5	5.4	5.1	5.2	5.3	5.1	5.2
4	5.5	4.8	5.3	5.6	5.1	5.3	5.5	5.3	5.4	5.4	4.7	5.1
5	5.3	4.1	5.0	5.3	4.9	5.1	5.4	5.1	5.3	5.4	5.0	5.2
6	4.4	3.9	4.1	5.5	4.9	5.2	5.4	5.1	5.3	5.4	4.9	5.3
7	4.8	4.0	4.4	5.3	4.6	4.9	5.4	5.1	5.2	5.7	5.1	5.4
8	4.7	4.0	4.2	5.0	4.5	4.7	5.4	5.2	5.3	5.6	5.2	5.4
9	4.9	4.0	4.4	5.1	4.8	5.0	5.5	5.4	5.4	5.7	5.3	5.5
10	4.6	3.9	4.1	5.1	4.9	5.0	5.6	5.4	5.5	5.7	4.9	5.4
11	4.4	3.9	4.1	5.2	5.0	5.1	6.0	5.6	5.8	6.3	5.3	5.7
12	4.4	4.0	4.3	5.1	4.8	5.0	6.0	5.7	5.9	6.2	5.3	5.8
13	5.0	4.2	4.4	5.1	5.0	5.1	5.7	5.6	5.7	5.7	5.4	5.6
14	5.9	4.9	5.2	5.2	5.0	5.1	5.9	5.7	5.8	6.4	5.7	5.9
15	5.5	4.9	5.1	5.0	4.8	4.9	6.0	5.5	5.8	6.9	5.9	6.2
16	5.1	4.7	5.0	5.3	4.9	5.1	5.9	5.1	5.5	6.4	6.0	6.2
17	5.1	4.9	5.1	5.3	5.0	5.2	5.5	4.6	5.3	6.4	6.0	6.2
18	5.0	4.8	4.9	5.3	5.1	5.2	5.3	4.8	5.0	6.5	5.7	6.1
19	5.2	4.9	5.1	5.3	4.7	5.2	5.5	4.9	5.2	6.2	6.0	6.1
20	5.2	4.8	5.1	5.3	5.0	5.1	5.7	5.0	5.4	6.3	6.0	6.1
21	5.0	4.8	4.9	5.2	5.0	5.1	5.6	5.1	5.3	6.2	5.7	5.9
22	5.0	4.9	5.0	5.2	5.0	5.2	5.5	5.1	5.2	6.3	5.9	6.1
23	5.2	4.9	5.0	5.2	5.1	5.2	5.4	5.1	5.3	6.6	6.2	6.4
24	5.1	4.6	4.9	5.1	4.9	5.0	5.5	5.1	5.3	6.7	6.4	6.6
25	5.2	4.8	5.1	5.4	5.0	5.2	5.5	5.1	5.3	6.7	6.5	6.7
26	5.3	4.8	5.0	5.3	4.9	5.2	5.4	5.0	5.2	6.7	6.6	6.6
27	5.2	5.0	5.1	5.1	4.9	5.0	5.3	5.1	5.2	6.7	6.6	6.6
28	5.5	5.0	5.2	5.1	4.9	5.1	5.3	5.2	5.3	6.7	6.5	6.6
29	---	---	---	5.3	5.1	5.2	5.4	5.3	5.3	6.8	6.5	6.6
30	---	---	---	5.3	5.1	5.2	5.4	5.3	5.3	6.7	6.5	6.6
31	---	---	---	5.2	5.1	5.2	---	---	---	6.8	6.7	6.7
Month	6.0	3.9	4.9	6.1	4.5	5.1	6.0	4.6	5.4	6.9	4.7	5.9

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	6.8	6.6	6.7	7.5	6.7	7.2	10.0	9.8	9.9	12.6	11.5	11.9
2	6.8	6.7	6.8	7.5	7.1	7.3	10.6	10.0	10.2	13.2	12.4	12.8
3	7.5	6.8	7.1	7.7	7.3	7.5	12.0	10.2	10.6	13.6	13.2	13.5
4	6.9	6.5	6.7	7.8	7.6	7.7	10.8	10.4	10.6	13.8	13.3	13.5
5	6.8	6.5	6.7	7.8	7.3	7.6	10.7	10.6	10.6	14.1	13.5	13.6
6	6.7	6.4	6.5	7.5	7.3	7.4	11.0	10.7	10.8	14.1	13.7	13.9
7	7.0	6.7	6.9	7.6	7.3	7.4	10.9	10.7	10.8	14.4	14.1	14.2
8	6.9	6.4	6.7	7.6	7.5	7.5	10.9	10.7	10.8	14.4	14.3	14.4
9	6.6	6.2	6.4	7.5	7.3	7.4	10.9	10.7	10.8	14.6	14.3	14.4
10	6.8	6.2	6.5	7.6	7.4	7.5	10.9	10.7	10.8	14.8	14.5	14.6
11	6.8	6.5	6.6	7.5	7.1	7.3	10.8	9.8	10.5	14.5	14.5	14.5
12	6.7	6.6	6.6	7.5	7.1	7.3	10.6	10.2	10.4	14.6	14.5	14.5
13	7.2	6.7	6.9	7.5	7.0	7.3	10.5	10.4	10.5	14.6	14.4	14.5
14	7.5	7.0	7.1	7.5	6.6	7.1	10.6	10.4	10.5	14.5	14.3	14.4
15	7.5	7.2	7.3	7.2	7.0	7.1	10.8	10.6	10.7	14.5	14.3	14.4
16	7.5	7.1	7.3	7.3	6.8	7.1	10.7	10.5	10.6	14.5	14.3	14.4
17	7.3	7.2	7.3	7.2	6.8	7.0	10.6	10.3	10.4	14.5	14.3	14.4
18	7.3	7.2	7.3	7.0	6.7	6.9	10.7	10.4	10.5	14.4	14.4	14.4
19	7.4	7.2	7.3	6.9	6.5	6.8	10.9	10.7	10.9	14.5	14.4	14.4
20	7.5	7.1	7.3	6.8	5.6	6.5	10.9	10.4	10.6	14.5	14.4	14.5
21	7.4	7.1	7.3	6.7	5.2	5.7	10.7	10.4	10.5	14.6	14.5	14.5
22	7.2	7.0	7.1	6.5	5.7	6.0	10.6	10.3	10.5	14.6	14.5	14.5
23	7.4	7.1	7.3	6.8	5.9	6.2	10.4	10	10.2	14.7	14.5	14.6
24	7.5	7.2	7.3	9.2	6.2	6.6	10.6	10.2	10.3	14.9	14.7	14.7
25	7.6	7.4	7.5	10.0	6.7	7.9	10.6	10.4	10.5	15.8	14.9	15.0
26	7.7	7.5	7.6	12.2	7.8	8.5	10.6	10.4	10.5	16.2	14.9	15.1
27	7.7	7.5	7.6	12.6	8.5	9.5	10.6	10.5	10.6	15.9	15.1	15.3
28	7.7	7.4	7.6	10.0	8.8	9.1	10.8	10.6	10.7	15.5	15.3	15.4
29	7.6	7.1	7.4	9.2	9.0	9.1	11.1	10.7	11.0	16.0	15.3	15.6
30	7.7	7.4	7.5	9.4	9.2	9.2	11.3	11.1	11.2	16.5	15.8	16.1
31	---	---	---	9.9	9.4	9.6	11.7	11.3	11.4	---	---	---
Month	7.7	6.2	7.1	12.6	5.2	7.5	12.0	9.8	10.6	16.5	11.5	14.4

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	11.8	10.9	11.3	11.8	11.7	11.7	14.1	10.9	12.9	10.2	9.2	9.6
2	11.2	10.9	11.0	11.8	11.6	11.7	12.7	9.8	11.1	9.7	9.2	9.4
3	11.3	11.1	11.2	11.7	10.9	11.5	12.2	9.8	11.6	9.7	9.3	9.4
4	11.2	10.7	11.0	11.7	11.1	11.5	11.8	9.0	9.3	9.3	9.2	9.3
5	11.5	10.8	11.0	11.6	11.3	11.4	10.6	9.2	9.4	9.3	9.2	9.3
6	12.0	11.0	11.4	12.2	11.5	11.8	10.3	9.5	10.1	9.3	8.9	9.2
7	11.3	11.0	11.1	14.1	12.2	13.0	10.2	8.8	9.7	9.2	9.1	9.2
8	11.5	11.1	11.3	14.3	12.8	13.9	9.5	9.0	9.1	9.1	8.6	8.8
9	12.2	11.3	11.6	13.9	11.5	12.0	9.5	9.0	9.2	8.9	8.5	8.7
10	12.2	11.6	11.7	12.6	11.6	11.9	9.4	9.0	9.2	8.6	8.0	8.3
11	12.0	11.6	11.7	13.5	11.9	12.7	9.5	8.8	9.3	8.7	8.3	8.6
12	12.0	11.5	11.6	13.6	11.1	12.4	9.7	9.4	9.5	8.7	8.6	8.7
13	11.6	11.5	11.6	11.9	10.6	11.2	9.8	9.6	9.7	8.7	8.6	8.7
14	11.6	11.5	11.6	12.0	11.5	11.8	9.8	9.8	9.8	8.6	8.2	8.5
15	11.9	11.5	11.7	12.3	11.7	11.9	9.8	9.6	9.8	8.2	7.7	8.0
16	12.1	11.5	11.7	12.0	11.3	11.7	10.6	9.8	10	7.8	7.6	7.7
17	12.2	11.7	12.0	11.6	11.2	11.4	12.2	10.2	11.4	7.7	6.5	7.1
18	11.9	11.7	11.8	11.5	10.6	11.1	12.6	11.3	11.9	7.3	6.7	7.1
19	12.3	11.9	12.1	11.3	10.7	11.0	12.6	11.1	11.8	7.1	6.5	6.7
20	12.4	11.5	12.0	11.8	10.7	11.2	13.0	12.0	12.6	7.0	6.4	6.7
21	12.4	11.6	11.9	11.3	9.9	10.3	13.3	13.0	13.2	7.5	6.9	7.2
22	12.0	11.8	11.9	11.3	10	10.6	13.4	12.8	13.2	7.6	6.7	7.0
23	12.0	11.6	11.7	10.6	8.4	9.1	13.0	12.1	12.8	7.0	6.5	6.6
24	12.0	11.4	11.7	10	9.1	9.5	13.1	11.9	12.7	6.8	6.6	6.8
25	11.9	11.6	11.8	10.7	9.8	10.1	12.9	10.6	12.1	7.0	5.8	6.4
26	12.2	11.7	11.9	12.0	10.4	11.2	11.8	9.7	10.5	6.5	6.0	6.3
27	11.8	11.7	11.8	12.4	11.8	12.2	9.8	9.7	9.7	6.5	5.9	6.2
28	11.7	11.5	11.6	13.2	12.4	12.8	9.9	9.7	9.8	6.4	5.7	6.1
29	11.7	11.6	11.7	13.8	13.1	13.5	9.9	9.7	9.8	6.4	5.3	5.8
30	11.8	11.5	11.7	14.1	13.7	13.9	9.8	9.6	9.7	6.5	5.7	6.2
31	11.8	11.6	11.7	---	---	---	10.2	9.7	10	6.1	5.4	5.8
Month	12.4	10.7	11.6	14.3	8.4	11.7	14.1	8.8	10.7	10.2	5.3	7.7

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	6.7	5.9	6.4	7.0	6.6	6.9	5.3	5.1	5.2	5.7	5.3	5.4
2	7.6	6.0	7.0	6.6	5.7	6.0	5.4	5.1	5.2	5.7	5.1	5.4
3	7.0	5.4	5.9	6.2	5.3	5.9	5.5	5.2	5.4	5.7	5.2	5.4
4	5.9	5.1	5.4	5.7	5.2	5.4	5.7	5.3	5.5	5.5	4.8	5.3
5	5.5	5.2	5.3	5.3	4.9	5.1	5.4	5.1	5.3	6.5	5.2	5.7
6	5.6	4.2	5.1	5.5	5.0	5.3	5.7	5.1	5.4	6.5	4.9	5.5
7	5.6	4.1	5.0	5.5	4.7	5.1	5.9	5.1	5.3	5.7	5.0	5.4
8	5.5	4.0	4.9	5.6	4.6	5.1	5.5	5.1	5.3	5.6	5.2	5.4
9	5.3	4.3	4.9	5.9	5.2	5.6	5.6	5.4	5.5	7.6	5.5	6.3
10	5.5	4.7	5.1	6.1	5.4	5.8	5.6	5.4	5.5	8.0	7.1	7.6
11	6.2	4.9	5.5	6.1	5.2	5.7	6.3	5.6	5.8	8.8	7.5	8.1
12	6.6	6.0	6.3	5.9	5.2	5.6	6.0	5.7	5.9	8.8	7.5	8.4
13	6.8	6.4	6.6	6.2	5.2	6.0	6.0	5.6	5.7	8.5	5.7	7.5
14	6.8	4.9	5.4	6.2	5.6	6.0	5.9	5.7	5.8	9.1	6.4	8.0
15	5.6	5.0	5.2	6.0	5.1	5.7	5.9	5.5	5.8	9.1	8.3	8.9
16	5.5	4.9	5.1	6.0	5.1	5.6	5.8	5.2	5.5	8.8	6.0	7.1
17	5.1	4.9	5.1	5.5	5.0	5.2	5.5	5.1	5.3	7.0	6.0	6.6
18	5.2	4.7	4.9	5.4	5.1	5.2	5.5	5.0	5.2	6.6	5.7	6.3
19	5.2	4.8	5.1	5.6	5.2	5.4	5.8	5.1	5.4	6.5	6.1	6.2
20	5.2	5.0	5.2	5.3	5.1	5.2	6.0	5.2	5.6	6.4	6.1	6.2
21	5.2	4.9	5.0	5.2	5.0	5.1	7.5	5.5	6.1	6.7	5.9	6.3
22	5.5	4.9	5.2	5.5	5.1	5.3	8.3	6.8	7.8	7.6	6.7	7.2
23	5.5	4.9	5.0	5.3	5.1	5.2	8.2	6.7	7.8	7.7	7.3	7.5
24	6.0	4.8	5.3	5.5	5.1	5.3	7.7	5.4	5.9	7.6	7.0	7.3
25	5.4	5.0	5.2	5.7	5.2	5.4	6.2	5.3	5.7	7.4	6.8	7.3
26	5.6	5.0	5.3	5.4	5.1	5.3	5.6	5.3	5.5	7.3	6.7	7.0
27	6.6	5.6	6.1	5.1	5.1	5.1	5.5	5.1	5.3	7.0	6.7	6.7
28	6.9	5.8	6.5	5.3	5.1	5.2	5.6	5.2	5.4	6.8	6.6	6.7
29	---	---	---	5.4	5.1	5.2	5.6	5.3	5.4	7.0	6.5	6.7
30	---	---	---	5.4	5.2	5.3	5.6	5.3	5.5	7.9	6.7	7.1
31	---	---	---	5.3	5.2	5.2	---	---	---	8.1	7.5	7.8
Month	7.6	4.0	5.5	7.0	4.6	5.5	8.3	5.0	5.7	9.1	4.8	6.7

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	8.1	6.8	7.5	7.8	7.2	7.5	15.0	13.3	14.3	16.3	15.4	16.0
2	8.0	6.9	7.4	8.0	7.6	7.8	14.9	13.9	14.4	16.5	16.2	16.4
3	8.0	6.9	7.4	8.1	7.6	7.8	14.8	14.0	14.3	16.7	16.0	16.4
4	7.0	6.6	6.8	8.1	7.7	7.8	14.5	13.2	14.0	16.7	16.1	16.6
5	7.0	6.7	6.8	7.7	7.4	7.6	14.1	12.4	13.5	16.7	16.0	16.4
6	6.8	6.6	6.7	7.7	7.3	7.5	14.1	11.6	13.2	16.9	15.7	16.4
7	7.0	6.7	6.9	7.8	7.4	7.6	13.1	11.0	12.2	16.8	15.5	16.2
8	7.0	6.5	6.8	7.9	7.5	7.7	13.0	11.3	12.0	16.4	14.5	15.3
9	7.0	6.4	6.7	7.6	7.5	7.5	12.3	10.9	11.6	15.6	14.3	14.6
10	7.0	6.5	6.8	7.6	7.4	7.5	11.9	10.7	11.2	14.7	14.5	14.6
11	7.1	6.7	7.0	7.5	7.1	7.3	11.5	10.4	10.8	14.6	14.5	14.5
12	7.5	6.7	7.0	7.7	7.1	7.5	11.3	10.5	10.8	14.7	14.5	14.6
13	7.7	7.0	7.3	7.8	7.5	7.7	11.1	10.4	10.9	14.7	14.6	14.7
14	7.5	7.0	7.2	7.8	7.3	7.6	11.2	10.6	10.9	14.7	14.5	14.6
15	7.6	7.2	7.4	7.7	7.0	7.4	11.5	10.9	11.2	14.7	14.5	14.6
16	8.0	7.3	7.6	7.3	6.9	7.2	10.9	10.5	10.6	14.6	14.5	14.6
17	7.6	7.2	7.3	7.4	7.0	7.2	10.8	10.3	10.5	14.6	14.5	14.6
18	7.9	7.1	7.5	7.1	6.9	7.0	11.1	10.4	10.7	14.6	14.5	14.6
19	8.0	7.2	7.5	7.3	6.9	7.1	11.0	10.7	10.9	14.6	14.4	14.5
20	7.5	7.2	7.3	7.3	6.9	7.1	10.9	10.5	10.6	14.5	14.4	14.5
21	7.5	7.3	7.3	7.4	5.9	6.8	10.8	10.4	10.6	15.5	14.5	14.7
22	7.5	7.1	7.2	12.6	6.4	8.9	10.7	10.6	10.6	16.1	15.4	15.8
23	8.2	7.3	7.6	16.3	11.6	14.0	11.2	10.6	10.9	16.6	14.9	15.7
24	9.3	8.2	8.8	16.7	15.3	16.1	11.8	11.1	11.6	16.9	16.0	16.5
25	9.3	8.7	9.0	16.7	15.3	16.3	11.8	10.5	11.3	17.7	16.9	17.2
26	9.2	8.2	8.8	16.9	16.2	16.5	11.5	10.6	11.0	18.6	17.4	18.1
27	8.9	7.7	8.3	16.8	15.7	16.3	11.6	10.7	11.0	19.0	17.6	18.5
28	8.1	7.5	7.7	16.2	14.6	15.6	12.0	10.9	11.5	18.5	15.6	17.0
29	7.7	7.1	7.5	16.1	13.8	15.6	12.3	11.2	11.8	16.5	15.4	15.7
30	7.7	7.5	7.6	16.0	13.5	15.2	15.0	12.3	13.3	18.6	15.9	17.1
31	---	---	---	15.5	13.2	14.8	15.9	14.5	15.2	---	---	---
Month	9.3	6.4	7.4	16.9	5.9	9.9	15.9	10.3	11.9	19.0	14.3	15.7

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.8	7.6	7.7	7.8	7.6	7.6	7.5	7.3	7.4	7.2	7.1	7.1
2	8.1	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.5	7.3	7.2	7.2
3	8.2	7.6	7.8	7.6	7.5	7.6	7.5	7.2	7.3	7.2	7.1	7.1
4	7.9	7.6	7.8	7.7	7.5	7.6	7.4	7.2	7.3	7.1	7.1	7.1
5	7.9	7.6	7.8	7.8	7.6	7.7	7.4	7.3	7.3	7.2	7.0	7.1
6	7.8	7.6	7.7	7.8	7.6	7.7	7.6	7.4	7.4	7.1	7.0	7.0
7	7.9	7.6	7.6	7.7	7.6	7.7	7.5	7.4	7.4	7.1	6.9	7.0
8	7.7	7.6	7.7	7.8	7.6	7.7	7.6	7.4	7.5	7.0	7.0	7.0
9	7.7	7.6	7.7	7.7	7.6	7.7	7.6	7.4	7.6	7.1	7.0	7.0
10	7.9	7.6	7.7	7.8	7.6	7.7	7.7	7.4	7.5	7.2	7.1	7.1
11	8.1	7.7	7.8	7.8	7.6	7.7	7.6	7.5	7.5	7.1	7.0	7.1
12	8.1	7.7	7.8	7.6	7.4	7.6	7.7	7.5	7.6	7.1	7.0	7.0
13	7.9	7.7	7.8	7.5	7.4	7.4	8.1	7.6	7.8	7.1	7.0	7.0
14	7.9	7.7	7.8	7.6	7.4	7.5	8.1	7.7	7.9	7.3	7.0	7.1
15	8.0	7.8	7.8	7.6	7.5	7.6	8.4	7.4	7.6	7.3	7.0	7.2
16	7.9	7.8	7.8	7.6	7.5	7.5	8.5	7.6	8.3	7.2	7.1	7.1
17	7.8	7.7	7.8	7.6	7.5	7.5	8.2	7.4	7.8	7.2	7.0	7.1
18	7.8	7.6	7.7	7.6	7.4	7.5	8.5	7.4	7.9	7.3	6.9	7.0
19	7.8	7.7	7.7	7.5	7.2	7.3	8.6	8.3	8.4	7.1	6.9	7.0
20	7.7	7.5	7.6	7.4	7.3	7.4	8.3	7.4	7.7	7.1	7.0	7.1
21	7.8	7.6	7.7	7.4	7.4	7.4	8.2	7.5	8.0	7.2	7.0	7.1
22	7.8	7.6	7.7	7.5	7.4	7.4	8.1	7.0	7.2	7.2	7.1	7.1
23	7.8	7.6	7.7	7.4	7.2	7.3	8.1	7.0	7.1	7.1	7.0	7.1
24	7.9	7.8	7.8	7.3	7.0	7.2	8.3	7.5	8.0	7.4	7.0	7.1
25	7.9	7.6	7.7	7.3	7.0	7.2	8.0	7.1	7.5	7.4	7.0	7.1
26	7.7	7.6	7.6	7.2	7.0	7.0	7.3	7.1	7.2	7.3	7.1	7.3
27	7.7	7.6	7.6	7.3	7.1	7.2	7.4	7.2	7.4	7.3	7.1	7.2
28	7.6	7.6	7.6	7.2	7.2	7.2	7.4	7.2	7.3	7.2	7.1	7.2
29	7.6	7.6	7.6	7.6	7.1	7.4	7.3	7.1	7.2	7.3	7.1	7.2
30	7.7	7.6	7.6	7.7	7.4	7.4	7.3	7.1	7.2	7.2	7.2	7.2
31	7.7	7.6	7.6	---	---	---	7.3	7.1	7.2	7.2	7.1	7.2
Max	8.2	7.8	7.8	7.8	7.6	7.7	8.6	8.3	8.4	7.4	7.2	7.3
Min	7.6	7.5	7.6	7.2	7.0	7.0	7.3	7.0	7.1	7.0	6.9	7.0

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.2	7.0	7.1	7.5	7.4	7.4	7.9	7.7	7.8	8.2	7.5	7.6
2	7.1	7.0	7.0	7.5	7.4	7.5	8.0	7.6	7.8	7.6	7.2	7.5
3	7.1	7.0	7.0	7.5	7.4	7.4	8.2	7.5	7.8	7.5	7.3	7.4
4	7.1	7.0	7.0	7.5	7.4	7.5	7.9	7.6	7.8	7.4	7.2	7.3
5	7.1	6.7	7.0	7.5	7.4	7.4	7.9	7.6	7.8	7.3	7.2	7.3
6	6.8	6.7	6.7	7.6	7.4	7.5	7.7	7.4	7.6	7.3	7.2	7.3
7	6.9	6.8	6.9	7.5	7.4	7.4	7.8	7.5	7.7	7.4	7.3	7.4
8	6.9	6.8	6.8	7.5	7.3	7.4	7.7	7.6	7.6	7.4	7.3	7.4
9	7.0	6.8	6.9	7.5	7.4	7.5	7.7	7.5	7.6	7.5	7.3	7.4
10	6.9	6.8	6.8	7.6	7.4	7.5	8.3	7.4	7.7	7.6	7.3	7.4
11	6.9	6.8	6.8	7.6	7.5	7.5	7.8	7.6	7.7	8.1	7.4	7.4
12	6.9	6.8	6.8	7.6	7.4	7.5	7.9	7.7	7.8	8.2	7.4	7.6
13	7.0	6.8	6.9	7.6	7.5	7.5	8.0	7.7	7.8	8.1	7.4	7.8
14	7.1	7.0	7.0	7.6	7.5	7.5	8.0	7.7	7.8	7.8	7.5	7.6
15	7.1	7.0	7.1	7.6	7.5	7.5	7.9	7.7	7.8	7.8	7.4	7.7
16	7.1	7.0	7.0	7.6	7.5	7.6	7.7	7.6	7.6	7.8	7.5	7.6
17	7.1	7.0	7.1	7.6	7.5	7.6	7.6	7.5	7.6	7.6	7.4	7.5
18	7.1	7.0	7.1	7.7	7.6	7.6	7.7	7.5	7.6	7.4	7.3	7.4
19	7.2	7.1	7.2	7.8	7.6	7.7	7.8	7.6	7.6	7.5	7.3	7.3
20	7.2	7.1	7.2	7.9	7.6	7.7	7.9	7.7	7.7	7.5	7.3	7.4
21	7.2	7.1	7.1	7.8	7.6	7.7	8.6	7.7	7.8	7.4	7.2	7.3
22	7.2	7.1	7.1	7.9	7.6	7.7	8.6	7.8	8.2	7.6	7.3	7.5
23	7.2	7.1	7.2	8.2	7.7	7.8	8.5	8.2	8.3	7.6	7.4	7.5
24	7.2	7.1	7.2	8.0	7.6	7.7	8.3	7.8	8.0	7.9	7.3	7.7
25	7.2	7.1	7.2	8.0	7.6	7.8	7.9	7.4	7.8	8.1	7.6	7.7
26	7.2	7.1	7.2	7.8	7.7	7.8	8.0	7.6	7.6	7.9	7.6	7.7
27	7.2	7.1	7.2	8.0	7.6	7.7	7.6	7.5	7.6	7.8	7.5	7.6
28	7.4	7.2	7.4	8.2	7.6	7.8	7.8	7.4	7.6	7.7	7.5	7.6
29	---	---	---	7.8	7.6	7.7	7.9	7.4	7.6	7.7	7.3	7.5
30	---	---	---	8.0	7.6	7.7	7.9	7.5	7.7	7.7	7.4	7.6
31	---	---	---	8.2	7.6	7.8	---	---	---	7.6	7.4	7.5
Max	7.4	7.2	7.4	8.2	7.7	7.8	8.6	8.2	8.3	8.2	7.6	7.8
Min	6.8	6.7	6.7	7.5	7.3	7.4	7.6	7.4	7.6	7.3	7.2	7.3

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.5	7.3	7.4	7.7	7.4	7.5	8.0	7.7	7.8	8.0	7.8	7.9
2	7.5	7.3	7.4	8.1	7.5	7.6	8.2	7.6	7.8	8.0	7.8	7.9
3	7.4	7.1	7.3	8.0	7.6	7.8	8.1	7.2	7.8	8.1	7.6	7.8
4	7.5	7.3	7.3	7.9	7.6	7.7	8.1	7.6	7.9	8.0	7.7	7.9
5	7.7	7.3	7.4	7.7	7.5	7.6	8.1	7.7	7.9	8.3	7.8	8.1
6	7.6	7.4	7.5	7.8	7.5	7.6	8.0	7.8	7.9	8.2	8.0	8.1
7	7.8	7.5	7.6	7.7	7.4	7.5	8.0	7.8	7.9	8.2	7.9	8.0
8	7.8	7.4	7.5	7.8	7.4	7.5	8.2	7.7	8.0	8.1	7.9	8.0
9	7.8	7.4	7.6	7.6	7.3	7.5	8.0	7.7	7.9	8.1	7.9	8.0
10	7.8	7.5	7.6	7.6	7.4	7.5	8.0	7.8	7.9	8.1	7.7	7.9
11	7.9	7.4	7.5	7.7	7.4	7.5	7.8	7.7	7.8	8.0	7.8	7.9
12	8.0	7.4	7.6	8.0	7.5	7.6	8.1	7.7	7.8	8.0	7.9	7.9
13	7.7	7.4	7.6	7.9	7.3	7.6	8.2	7.8	8.0	8.0	7.8	7.9
14	7.7	7.3	7.4	7.8	7.4	7.6	8.2	7.8	8.0	8.0	7.9	7.9
15	7.8	7.4	7.6	7.9	7.4	7.7	8.1	7.8	7.9	8.0	7.9	7.9
16	7.8	7.5	7.5	7.8	7.4	7.7	7.9	7.6	7.8	8.0	7.9	8.0
17	8.1	7.3	7.5	7.8	7.4	7.6	7.8	7.6	7.7	8.0	7.9	8.0
18	8.2	7.5	7.6	7.6	7.4	7.5	7.8	7.6	7.7	8.1	7.9	8.0
19	7.9	7.4	7.8	8.0	7.4	7.6	7.8	7.6	7.7	8.1	7.9	8.0
20	8.0	7.6	7.8	7.9	7.4	7.6	7.8	7.5	7.7	8.1	8.0	8.0
21	8.0	7.6	7.7	7.6	7.2	7.3	8.1	7.7	7.8	8.1	7.9	8.0
22	7.8	7.4	7.6	7.6	7.2	7.3	8.1	7.8	7.9	8.1	8.0	8.0
23	8.1	7.4	7.6	8.0	7.4	7.5	8.0	7.8	7.9	8.2	8.0	8.1
24	7.7	7.4	7.6	8.2	7.0	7.7	8.1	7.8	8.0	8.1	8.0	8.1
25	7.9	7.5	7.6	8.2	6.9	7.8	8.2	7.8	8.0	8.2	7.8	8.0
26	8.0	7.5	7.8	8.0	7.2	7.7	8.2	8.0	8.1	8.1	7.3	7.7
27	7.8	7.6	7.7	7.9	7.1	7.5	8.2	8.0	8.1	7.9	7.5	7.7
28	7.8	7.5	7.6	8.0	7.4	7.7	8.2	8.0	8.0	7.9	7.6	7.7
29	7.8	7.4	7.6	8.0	7.7	7.8	8.2	7.9	8.1	7.9	7.8	7.9
30	7.8	7.4	7.6	7.9	7.7	7.8	8.2	7.9	8.0	8.0	7.8	7.8
31	---	---	---	7.9	7.7	7.8	8.1	7.9	8.0	---	---	---
Max	8.2	7.6	7.8	8.2	7.7	7.8	8.2	8.0	8.1	8.3	8.0	8.1
Min	7.4	7.1	7.3	7.6	6.9	7.3	7.8	7.2	7.7	7.9	7.3	7.7

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.5	6.8	7.1	7.6	7.3	7.4	7.5	7.3	7.4	7.2	6.9	7.1
2	7.5	7.4	7.5	7.6	7.2	7.5	7.4	7.3	7.4	7.3	7.1	7.2
3	7.5	7.2	7.4	7.6	7.4	7.5	7.4	7.3	7.3	7.2	7.0	7.2
4	7.7	7.1	7.2	7.6	7.5	7.6	7.4	7.2	7.3	7.0	7.0	7.0
5	7.8	7.0	7.6	7.6	7.5	7.6	7.4	7.2	7.3	7.1	7.0	7.0
6	7.6	7.0	7.4	7.6	7.4	7.5	7.4	7.2	7.3	7.0	7.0	7.0
7	7.7	7.5	7.6	7.4	7.3	7.4	7.3	7.2	7.2	7.1	6.9	7.0
8	7.7	7.6	7.6	7.4	7.2	7.3	7.5	7.3	7.4	7.2	7.1	7.1
9	7.7	7.5	7.6	7.7	7.2	7.6	7.6	7.4	7.5	7.2	7.2	7.2
10	7.8	7.5	7.7	7.6	7.2	7.6	7.6	7.3	7.3	7.3	7.2	7.2
11	7.8	7.4	7.8	7.5	7.0	7.2	7.4	7.2	7.3	7.3	7.2	7.2
12	7.8	7.2	7.7	7.5	7.0	7.2	7.7	7.3	7.4	7.2	7.1	7.2
13	7.8	7.7	7.8	7.5	7.3	7.4	7.8	7.6	7.7	7.1	7.0	7.1
14	7.8	7.7	7.7	7.5	7.3	7.4	8.0	7.6	7.8	7.1	7.0	7.0
15	7.8	7.7	7.8	7.4	7.3	7.3	7.8	7.5	7.6	7.2	7.0	7.1
16	7.8	7.4	7.7	7.5	7.3	7.4	7.7	7.0	7.3	7.3	7.2	7.3
17	7.7	7.4	7.6	7.6	7.4	7.4	7.1	6.9	7.0	7.4	7.1	7.3
18	7.7	7.5	7.6	7.6	7.4	7.5	7.3	6.8	6.9	7.4	7.2	7.3
19	7.6	7.4	7.5	7.5	7.4	7.4	6.9	6.7	6.8	7.4	7.3	7.3
20	7.6	7.3	7.5	7.5	7.3	7.4	6.8	6.7	6.7	7.5	7.3	7.4
21	7.8	7.5	7.6	7.4	7.3	7.4	6.8	6.6	6.7	7.5	7.4	7.5
22	7.7	7.5	7.6	7.4	7.3	7.4	6.8	6.6	6.6	7.5	7.3	7.4
23	7.8	7.5	7.6	7.4	7.2	7.3	6.9	6.7	6.7	7.5	7.3	7.4
24	7.9	7.7	7.8	7.3	7.2	7.3	6.7	6.6	6.6	7.8	7.4	7.5
25	7.8	7.6	7.7	7.3	7.3	7.3	6.9	6.6	6.6	7.8	7.4	7.6
26	7.7	7.6	7.6	7.3	7.2	7.3	7.1	6.6	7.0	7.7	7.5	7.6
27	7.6	7.5	7.6	7.3	7.2	7.3	7.4	7.1	7.3	7.7	7.4	7.6
28	7.6	7.5	7.5	7.3	7.2	7.3	7.5	7.3	7.4	7.5	7.3	7.4
29	7.6	7.5	7.5	7.5	7.2	7.5	7.4	7.2	7.3	7.5	7.3	7.5
30	7.6	7.5	7.6	7.5	7.4	7.5	7.2	7.1	7.2	7.5	7.4	7.5
31	7.6	7.3	7.4	---	---	---	7.1	6.9	7.0	7.5	7.3	7.4
Max	7.9	7.7	7.8	7.7	7.5	7.6	8.0	7.6	7.8	7.8	7.5	7.6
Min	7.5	6.8	7.1	7.3	7.0	7.2	6.7	6.6	6.6	7.0	6.9	7.0

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.5	7.4	7.5	7.1	7.0	7.0	7.7	7.4	7.5	7.7	7.3	7.5
2	7.6	7.4	7.5	7.2	7.0	7.2	7.6	7.3	7.5	7.6	7.2	7.4
3	7.4	7.2	7.3	7.2	7.1	7.1	7.6	7.1	7.3	7.5	7.0	7.3
4	7.2	7.1	7.2	7.2	7.1	7.2	7.7	7.0	7.6	7.5	7.3	7.4
5	7.2	7.1	7.2	7.2	7.1	7.1	7.7	7.5	7.6	7.5	7.2	7.4
6	7.2	6.9	7.2	7.2	7.2	7.2	7.7	7.4	7.5	7.4	7.1	7.4
7	7.2	6.9	7.2	7.2	7.1	7.2	7.6	7.3	7.4	7.6	7.4	7.5
8	7.2	6.9	7.2	7.2	7.0	7.2	7.5	7.3	7.4	7.6	7.5	7.5
9	7.2	7.0	7.1	7.3	7.2	7.2	7.5	7.3	7.4	7.6	7.4	7.5
10	7.2	7.0	7.2	7.3	7.2	7.2	7.6	7.1	7.3	7.5	7.3	7.4
11	7.1	7.0	7.0	7.2	7.1	7.2	7.3	7.0	7.2	7.5	6.9	7.1
12	7.2	7.1	7.1	7.2	7.1	7.2	7.4	7.2	7.3	7.1	7.0	7.1
13	7.3	7.2	7.2	7.2	7.0	7.1	7.5	7.2	7.3	7.7	6.9	7.0
14	7.2	7.0	7.0	7.2	6.8	7.1	7.5	7.2	7.4	7.5	7.0	7.1
15	7.2	7.1	7.1	7.1	6.8	6.9	7.4	7.3	7.3	7.1	6.9	7.0
16	7.2	7.1	7.1	7.2	6.8	7.0	7.3	7.1	7.2	7.6	6.8	7.3
17	7.1	7.0	7.1	7.2	7.1	7.2	7.2	7.1	7.1	7.5	7.1	7.3
18	7.1	7.0	7.0	7.3	7.2	7.2	7.2	7.0	7.1	7.3	7.2	7.3
19	7.2	7.0	7.1	7.3	7.2	7.3	7.3	7.1	7.1	7.4	7.2	7.2
20	7.2	7.1	7.1	7.4	7.2	7.3	7.4	7.0	7.2	7.4	7.2	7.3
21	7.1	7.1	7.1	7.4	7.3	7.4	7.2	6.9	7.1	7.4	7.1	7.3
22	7.1	7.0	7.1	7.5	7.3	7.4	7.0	6.8	6.9	7.3	7.1	7.2
23	7.2	7.0	7.1	7.6	7.3	7.4	6.8	6.6	6.8	7.2	7.1	7.1
24	7.2	7.0	7.1	7.5	7.3	7.4	7.8	6.6	7.3	7.5	7.0	7.2
25	7.0	6.9	7.0	7.6	7.2	7.5	7.5	6.9	7.2	7.5	7.0	7.2
26	7.0	6.9	7.0	7.6	7.4	7.5	7.6	7.2	7.3	7.5	7.0	7.0
27	7.0	7.0	7.0	7.5	7.3	7.4	7.6	7.2	7.4	7.7	7.0	7.5
28	7.1	7.0	7.0	7.7	7.2	7.3	7.7	7.2	7.3	7.7	7.3	7.6
29	---	---	---	7.7	7.4	7.4	7.6	7.2	7.4	7.6	7.4	7.5
30	---	---	---	7.7	7.3	7.5	7.8	7.1	7.4	7.4	7.2	7.3
31	---	---	---	7.8	7.4	7.5	---	---	---	7.3	7.0	7.2
Max	7.6	7.4	7.5	7.8	7.4	7.5	7.8	7.5	7.6	7.7	7.5	7.6
Min	7.0	6.9	7.0	7.1	6.8	6.9	6.8	6.6	6.8	7.1	6.8	7.0

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.6	7.0	7.2	7.6	7.1	7.2	7.3	7.1	7.3	7.0	6.9	7.0
2	7.6	7.0	7.1	7.5	7.2	7.3	7.3	7.3	7.3	7.0	6.9	7.0
3	7.6	7.0	7.5	7.6	7.2	7.5	7.3	7.3	7.3	7.0	6.9	6.9
4	7.6	7.4	7.5	7.7	7.2	7.5	7.3	7.2	7.3	7.0	6.9	7.0
5	7.8	7.4	7.5	7.6	7.4	7.5	7.3	7.2	7.2	7.2	6.9	7.2
6	7.6	7.3	7.5	7.6	7.2	7.4	7.6	7.2	7.2	7.2	7.1	7.2
7	8.0	7.4	7.6	7.5	7.0	7.2	7.9	7.2	7.3	7.4	7.2	7.2
8	7.8	7.4	7.5	7.4	7.0	7.1	7.6	7.0	7.2	7.9	7.2	7.4
9	7.6	7.2	7.5	7.5	6.9	7.2	7.9	7.0	7.3	8.0	7.3	8.0
10	7.8	7.3	7.5	7.5	7.1	7.4	8.1	7.1	7.6	7.9	7.6	7.8
11	7.6	7.3	7.5	7.6	7.2	7.4	8.0	7.3	7.8	7.9	7.7	7.8
12	7.6	7.2	7.3	7.7	7.3	7.5	7.9	7.4	7.7	8.1	7.8	8.0
13	7.7	7.1	7.4	7.4	7.2	7.3	7.8	7.3	7.6	8.1	8.0	8.0
14	7.8	7.4	7.5	7.3	7.1	7.2	7.7	7.2	7.3	8.1	8.0	8.1
15	7.8	7.4	7.6	7.7	7.0	7.1	7.8	7.3	7.3	8.2	8.0	8.1
16	7.6	7.2	7.4	7.8	7.4	7.6	7.9	7.4	7.8	8.2	8.0	8.1
17	7.7	7.3	7.5	7.6	7.3	7.6	7.8	7.6	7.7	8.2	8.1	8.1
18	7.5	7.0	7.2	7.6	7.2	7.4	7.7	7.5	7.6	8.2	8.1	8.1
19	7.6	7.0	7.1	7.5	7.2	7.4	7.8	7.6	7.7	8.2	7.9	8.0
20	8.1	7.0	7.5	7.7	7.0	7.3	7.7	7.4	7.6	8.0	7.9	7.9
21	7.7	7.3	7.6	7.6	7.0	7.2	7.9	7.6	7.8	7.9	7.7	7.9
22	7.6	7.2	7.5	7.5	6.9	7.1	7.9	7.7	7.8	7.7	7.6	7.7
23	7.5	7.1	7.2	7.0	6.9	6.9	7.9	7.7	7.8	7.7	7.3	7.6
24	7.3	7.1	7.2	7.0	6.9	7.0	7.8	7.6	7.7	7.6	7.4	7.5
25	7.2	7.0	7.1	7.2	6.9	7.1	7.9	7.4	7.5	7.5	7.4	7.5
26	7.2	6.9	7.0	7.2	7.1	7.2	8.0	7.3	7.6	7.5	7.3	7.4
27	7.5	6.6	7.0	7.2	7.1	7.2	7.9	7.2	7.4	7.4	7.3	7.3
28	7.5	6.9	7.3	7.2	7.1	7.2	7.7	7.2	7.5	7.8	7.2	7.3
29	7.5	7.1	7.3	7.2	7.1	7.2	8.0	7.3	7.5	8.1	7.4	8.0
30	7.4	7.1	7.3	7.2	7.1	7.2	7.5	7.1	7.3	8.0	7.2	7.7
31	---	---	---	7.2	7.1	7.2	7.3	7.0	7.1	---	---	---
Max	8.1	7.4	7.6	7.8	7.4	7.6	8.1	7.7	7.8	8.2	8.1	8.1
Min	7.2	6.6	7.0	7.0	6.9	6.9	7.3	7.0	7.1	7.0	6.9	6.9

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.7	22.7	23.1	17.4	15.6	16.0	15.5	13.2	14.3	13.0	12.2	12.6
2	23.8	22.8	23.2	17.0	16.4	16.6	15.6	15.0	15.3	13.0	12.3	12.6
3	24.2	22.5	23.0	16.7	14.6	15.5	15.0	14.4	14.5	12.3	11.4	12.1
4	23.7	22.7	23.1	14.7	13.6	14.1	14.4	12.8	13.8	12.9	11.8	12.3
5	24.1	23.3	23.5	14.0	13.2	13.5	13.2	11.8	12.4	13.7	12.7	13.2
6	23.5	23.0	23.2	13.6	12.9	13.2	12.0	11.3	11.7	14.4	13.4	14.0
7	23.0	22.3	22.7	13.8	13.1	13.4	12.2	11.6	11.9	14.6	14.2	14.5
8	22.6	22.0	22.3	15.3	13.8	14.4	11.8	8.4	10.3	15.4	14.6	15.1
9	22.0	21.8	21.9	15.2	14.4	14.8	9.3	8.1	8.7	14.8	13.1	14.1
10	22.3	21.7	22.0	16.1	14.8	15.2	8.9	7.3	8.5	13.1	11.4	12.1
11	22.3	21.6	21.8	16.3	15.5	15.9	8.7	8.1	8.3	11.7	10.8	11.3
12	22.4	21.8	22.1	16.0	14.9	15.6	8.8	8.1	8.4	11.6	10.6	11.3
13	22.3	21.1	21.7	15.1	14.6	14.8	9.2	8.6	8.7	12.3	11.2	11.7
14	21.1	19.8	20.3	14.9	14.3	14.6	9.8	8.7	8.9	12.8	11.8	12.2
15	20.1	19.2	19.6	15.5	14.8	15.2	11.2	8.7	9.9	13.6	12.6	13.1
16	19.5	18.8	19.1	16.3	15.4	15.8	11.1	10.0	10.5	13.9	13.3	13.6
17	19.1	18.9	19.0	16.2	15.5	15.7	10.7	9.5	10.1	13.4	11.1	12.2
18	20.4	19.1	19.4	15.8	14.8	15.2	11.8	9.5	10.6	11.1	10.2	10.6
19	20.4	19.9	20.2	14.8	13.8	14.2	12.0	11.3	11.6	10.4	9.9	10.1
20	20.8	19.9	20.4	14.1	13.5	13.8	11.4	10.6	11.0	9.9	8.8	9.3
21	20.7	19.4	20.2	13.5	11.6	12.8	10.6	10.1	10.4	8.9	8.1	8.3
22	20.0	19.2	19.5	13.4	12.6	13.0	11.3	10.1	10.8	8.4	8.1	8.3
23	19.4	18.4	19.1	13.2	12.4	12.8	13.2	11.3	12.3	8.3	7.8	8.0
24	18.4	16.0	17.0	12.6	11.7	12.2	13.4	12.7	13.0	8.6	7.8	8.3
25	16.0	14.5	15.1	12.5	11.5	12.1	13.1	12.3	12.7	8.6	7.6	8.1
26	14.8	14.0	14.4	12.8	11.9	12.3	13.2	12.8	13.0	7.8	6.7	7.1
27	14.4	14.1	14.3	12.6	12.4	12.5	12.9	12.1	12.4	7.1	6.4	6.8
28	15.3	14.4	15.0	12.6	12.4	12.5	12.2	11.9	12.0	7.5	6.8	7.1
29	15.1	14.8	15.0	12.7	12.5	12.6	12.1	11.8	12.0	7.5	6.3	6.8
30	15.6	14.9	15.1	13.7	12.6	13.0	12.1	11.4	11.7	6.3	5.7	6.0
31	15.9	15.0	15.5	---	---	---	12.2	11.7	12.0	6.0	5.4	5.7
Month	24.2	14.0	19.7	17.4	11.5	14.1	15.6	7.3	11.3	15.4	5.4	10.6

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	5.5	4.5	5.0	10.7	9.6	10.2	17.5	16.4	16.9	25.2	21.9	22.5
2	5.7	4.9	5.2	12.2	10.5	11.4	19.1	17.0	18.0	23.7	22.4	22.8
3	5.8	5.2	5.6	12.6	11.9	12.2	19.9	18.3	18.8	23.4	22.1	22.7
4	6.0	5.4	5.7	12.5	11.5	12.0	19.9	18.6	19.2	22.1	20.8	21.4
5	5.8	5.1	5.4	11.5	10.7	11.0	19.6	18.8	19.2	20.8	20.2	20.6
6	5.1	4.2	4.5	10.8	10.1	10.5	18.9	17.1	17.8	20.7	18.4	19.9
7	5.2	4.1	4.6	10.5	9.5	10.1	17.1	15.4	16.0	18.4	16.9	17.6
8	4.9	4.5	4.8	11.3	9.9	10.4	15.4	13.7	14.4	17.2	16.6	16.9
9	5.0	3.7	4.6	11.0	9.7	10.3	14.3	13.1	13.6	18.2	17.0	17.5
10	5.3	4.3	4.9	11.8	10.3	11.0	15.2	13.2	13.8	19.7	18.1	18.6
11	5.5	4.5	4.8	12.4	11.0	11.6	13.8	13.4	13.7	21.7	18.4	19.5
12	6.4	4.9	5.7	12.4	11.3	11.7	15.6	13.7	14.6	22.6	19.4	20.4
13	7.2	5.8	6.4	12.7	11.5	12.0	16.0	15.0	15.4	22.3	20.3	21.4
14	7.7	6.6	7.3	13.6	12.4	13.0	15.9	15.3	15.7	21.1	19.6	20.1
15	7.2	6.5	6.8	14.8	13.6	14.1	16.5	15.6	16.0	21.1	19.6	20.3
16	6.6	5.5	6.1	14.8	14.0	14.5	16.3	14.2	15.1	21.8	20.6	21.1
17	6.2	5.4	5.8	14.0	12.2	13.3	14.4	13.9	14.2	21.7	20.8	21.3
18	6.5	5.6	6.0	12.2	11.4	11.7	14.6	13.8	14.1	20.8	19.5	20.2
19	5.7	4.8	5.2	12.0	10.2	11.5	14.3	13.6	13.9	19.8	19.0	19.5
20	6.0	5.0	5.5	12.9	11.2	11.8	14.8	13.4	14.0	20.5	19.2	19.9
21	6.9	6.0	6.6	12.4	11.5	11.9	16.2	13.9	14.9	21.4	19.9	20.5
22	7.9	6.5	7.2	13.9	11.8	12.8	16.6	15.1	15.6	22.0	20.5	21.2
23	8.3	6.9	7.6	15.2	13.5	14.2	17.8	16.1	17.0	22.2	21.0	21.6
24	8.1	7.0	7.6	16.5	14.3	15.0	18.9	17.4	18.0	22.5	21.3	21.7
25	8.6	7.8	8.1	16.5	14.6	15.8	19.6	18.1	19.0	24.4	21.3	21.9
26	9.8	8.3	8.7	16.5	15.4	15.9	21.0	19.5	20.1	24.3	22.2	23.0
27	10.8	8.8	9.2	17.9	16.0	16.5	21.5	20.4	21.0	24.8	23.3	23.9
28	10.7	9.4	10	18.6	16.9	17.6	22.2	21.1	21.7	25.5	24.1	24.8
29	---	---	---	17.2	16.3	16.7	22.5	21.2	21.7	26.6	24.8	25.3
30	---	---	---	17.0	15.6	16.2	22.6	21.4	22.0	26.2	25.0	25.6
31	---	---	---	16.8	15.8	16.2	---	---	---	25.6	24.7	25.1
Month	10.8	3.7	6.2	18.6	9.5	13.0	22.6	13.1	16.8	26.6	16.6	21.3

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	25.8	24.7	25.1	28.6	27.9	28.2	29.5	28.1	28.7	28.0	27.4	27.8
2	25.6	25.1	25.3	28.3	27.2	27.5	29.6	28.2	28.7	27.5	26.7	27.1
3	25.1	24.1	24.7	27.5	26.4	26.8	28.9	28.3	28.6	27.4	26.4	26.8
4	25.4	24.4	24.9	27.2	26.1	26.7	29.2	27.9	28.4	27.3	26.3	26.7
5	26.1	24.9	25.4	27.4	26.4	26.9	30.5	28.7	29.2	27.6	26.4	26.9
6	26.6	25.5	26.0	28.2	26.9	27.4	29.8	29.1	29.5	27.6	26.5	27.0
7	27.1	25.6	26.2	28.4	27.4	27.8	30.6	29.4	29.9	27.9	26.8	27.2
8	28.0	26.2	26.8	28.7	27.5	28.0	32.1	29.8	30.6	27.4	26.6	27.0
9	28.6	27.0	27.9	29.1	28.1	28.6	32.0	31.1	31.5	27.2	26.7	26.9
10	28.1	26.9	27.5	29.4	28.5	29.0	31.9	31.0	31.5	28.0	26.6	27.0
11	27.5	26.4	26.8	29.4	28.7	29.0	31.0	29.5	30.4	27.8	26.9	27.4
12	27.9	26.3	26.9	30.0	28.6	29.0	29.9	28.8	29.3	27.7	27.0	27.4
13	27.1	26.2	26.6	29.3	28.4	28.8	30.3	28.5	29.1	27.2	26.6	26.8
14	26.2	25.1	25.6	29.0	28.1	28.5	29.9	28.8	29.3	26.9	26.1	26.5
15	25.1	24.1	24.5	29.2	28.1	28.6	29.6	28.4	28.9	26.7	26.1	26.4
16	24.5	23.6	24.0	29.4	28.5	29.0	29.7	28.7	29.1	26.1	24.9	25.3
17	26.6	24.0	24.6	29.5	28.7	29.0	29.3	28.7	29.0	24.9	23.8	24.2
18	27.6	25.0	25.6	29.6	28.5	29.1	29.2	28.2	28.7	23.9	23.2	23.4
19	27.5	26.0	26.7	30.8	29.0	29.7	28.4	27.9	28.1	23.4	22.8	23.2
20	28.2	26.9	27.6	30.6	29.5	30.0	28.8	27.6	28.2	23.4	23.1	23.2
21	27.9	26.6	27.1	29.6	28.0	28.7	30.3	28.5	28.9	23.8	23.0	23.4
22	27.8	26.6	27.0	28.0	26.7	27.3	30.1	28.6	29.1	25.0	23.5	23.7
23	28.1	26.6	27.0	27.5	26.2	26.6	29.6	28.3	28.9	26.1	24.1	25.1
24	27.4	26.3	26.9	27.8	26.1	26.7	29.3	28.5	28.8	25.8	24.7	25.3
25	27.9	26.8	27.2	28.1	26.7	27.2	29.8	28.6	29.0	25.4	24.6	24.9
26	28.5	27.3	27.8	28.7	26.7	27.4	29.7	29.0	29.4	25.7	24.5	25.0
27	28.6	27.9	28.2	29.0	27.1	27.8	29.6	29.0	29.2	26.0	25.2	25.5
28	29.0	28.2	28.5	28.8	27.9	28.4	29.7	28.6	29.1	26.3	25.1	25.7
29	29.4	28.4	28.8	29.5	28.4	28.9	29.4	28.4	28.8	26.0	24.4	25.1
30	29.3	28.2	28.6	29.4	28.8	29.1	29.0	28.1	28.5	24.5	23.8	24.1
31	---	---	---	29.1	28.2	28.6	28.4	27.4	28.0	---	---	---
Month	29.4	23.6	26.5	30.8	26.1	28.2	32.1	27.4	29.2	28.0	22.8	25.7

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.6	22.9	23.2	15.6	15.0	15.3	15.2	12.9	13.7	13.0	12.2	12.6
2	23.2	22.5	22.9	17.0	15.5	16.2	15.3	14.4	15.0	13.0	12.2	12.6
3	23.0	22.8	22.9	16.7	15.1	15.6	15.3	14.6	14.8	12.7	12.3	12.5
4	23.5	22.6	23.0	15.1	13.7	14.4	14.7	13.4	13.9	12.8	12.2	12.5
5	23.5	22.5	23.2	13.7	13.0	13.4	13.9	12.2	12.9	13.5	12.7	13.0
6	23.3	22.8	23.0	13.6	12.8	13.2	12.8	12.3	12.6	14.5	13.4	14.0
7	23.0	21.3	22.4	13.8	13.4	13.5	12.6	11.8	12.4	14.6	14.2	14.3
8	22.6	22.1	22.3	14.0	13.8	13.9	11.8	8.3	10.2	15.4	14.6	15.1
9	22.1	21.8	21.9	15.3	13.9	14.7	9.3	7.9	8.6	14.9	13.2	14.1
10	22.2	21.7	21.9	15.4	14.8	15.1	8.9	8.3	8.7	13.2	11.4	12.2
11	21.9	21.5	21.7	15.2	14.8	14.9	9.0	8.6	8.9	11.9	11.1	11.5
12	22.4	21.8	22.1	15.9	14.9	15.2	8.9	8.5	8.7	11.3	11.0	11.2
13	22.2	21.1	21.7	15.1	14.4	14.7	8.8	8.6	8.7	11.5	11.2	11.4
14	21.1	19.8	20.3	14.6	14.2	14.4	9.0	8.7	8.8	12.2	11.5	11.7
15	20.0	18.8	19.5	15.1	14.5	14.8	9.1	8.8	9.0	13.4	12.2	12.7
16	19.4	18.8	19.0	16.3	15.0	15.8	9.6	9.1	9.2	13.7	13.3	13.5
17	19.2	19.0	19.1	16.2	15.5	15.7	10.1	9.4	9.9	13.4	11.2	12.3
18	19.4	19.1	19.2	15.9	14.8	15.3	10.2	9.8	10.0	11.3	10.4	10.8
19	19.6	19.4	19.4	15.3	14.5	15.0	10.4	9.9	10.2	10.8	9.9	10.2
20	20.8	19.5	20.1	15.2	14.0	14.7	10.6	10.3	10.5	9.9	9.1	9.4
21	20.6	19.4	20.1	14.2	11.7	12.9	10.7	10.6	10.7	9.2	8.5	8.9
22	19.9	19.2	19.5	13.2	12.6	12.9	11.3	10.7	10.8	9.1	8.3	8.7
23	19.6	18.4	19.1	13.2	12.5	12.8	11.7	11.2	11.3	8.6	8.0	8.2
24	18.4	16.1	17.0	12.7	11.8	12.3	11.9	11.2	11.5	8.6	8.2	8.3
25	16.1	14.5	15.2	12.6	12.3	12.4	12.6	11.3	11.7	8.7	7.8	8.3
26	14.7	13.2	14.1	12.6	12.3	12.5	13.3	12.0	12.9	7.8	6.5	7.0
27	14.4	14.1	14.3	12.7	12.6	12.6	12.9	12.3	12.5	7.4	6.7	6.9
28	15.3	14.4	15.0	12.8	12.7	12.7	12.3	11.5	11.8	7.6	6.9	7.3
29	15.2	14.9	15.0	12.8	12.7	12.8	11.8	11.2	11.4	7.6	6.4	6.9
30	15.1	14.7	14.9	13.0	12.8	12.8	11.8	11.5	11.7	6.5	6.0	6.3
31	15.6	14.9	15.0	---	---	---	12.2	11.7	12.0	6.4	5.5	5.7
Month	23.6	13.2	19.6	17.0	11.7	14.1	15.3	7.9	11.1	15.4	5.5	10.6

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	5.8	5.3	5.6	9.3	8.5	8.7	17.4	16.3	16.8	22.8	21.2	21.8
2	5.8	5.3	5.6	12.0	9.3	11.1	17.9	17.1	17.3	22.8	20.9	22.0
3	6.0	5.5	5.8	12.5	11.6	12.1	18.9	17.2	18.0	23.2	21.6	22.3
4	6.1	5.5	5.9	12.5	11.5	11.9	19.8	17.8	18.9	22.1	20.8	21.4
5	5.8	5.3	5.5	11.5	10.7	10.9	19.6	18.8	19.2	20.8	20.3	20.6
6	5.5	3.5	4.9	10.8	10.0	10.5	18.9	16.3	17.4	20.8	18.5	20.0
7	5.2	4.6	5.0	10.5	9.7	10.2	16.9	15.4	15.9	18.5	17.0	17.7
8	5.5	4.8	5.1	10.5	9.9	10.2	15.4	13.5	14.3	17.2	16.6	16.9
9	5.3	4.2	4.9	10.3	9.8	10.1	13.6	13.0	13.3	17.2	16.7	17.0
10	5.3	4.7	5.0	10.4	10.1	10.2	14.4	13.2	13.6	17.6	16.9	17.2
11	5.5	5.0	5.2	11.7	10.3	10.8	14.0	13.4	13.7	17.5	17.1	17.3
12	5.4	5.2	5.3	11.5	11.2	11.3	15.5	13.8	14.5	17.9	17.3	17.5
13	5.8	5.3	5.5	12.4	11.3	11.5	15.9	15.0	15.4	20.9	17.4	18.8
14	7.8	5.8	7.2	12.3	11.6	11.8	16.0	15.4	15.7	20.1	18.3	19.1
15	7.2	6.2	6.7	13.6	11.6	12.3	16.5	15.6	16.0	19.0	18.7	18.9
16	6.6	5.7	6.2	14.4	12.2	13.3	16.4	14.2	15.2	21.7	18.8	20.4
17	6.3	5.7	6.0	14.0	12.2	13.2	14.5	13.9	14.2	21.7	20.8	21.0
18	6.5	5.7	6.0	12.2	11.4	11.7	14.7	13.9	14.3	20.8	19.7	20.2
19	5.8	4.9	5.3	11.9	11.2	11.5	14.3	13.6	14.0	19.8	19.1	19.5
20	6.2	5.1	5.6	12.6	11.2	11.6	14.8	13.6	14.2	20.5	19.2	19.7
21	6.7	6.1	6.4	12.3	11.5	11.9	14.9	14.3	14.6	20.6	19.8	20.1
22	8.0	6.5	7.2	13.7	11.8	12.8	14.8	14.6	14.7	20.6	20.3	20.5
23	8.3	7.0	7.6	14.6	13.3	13.7	15.5	14.7	14.8	21.0	20.6	20.8
24	8.3	6.8	7.6	14.8	14.2	14.6	17.6	15.0	16.8	21.4	20.9	21.1
25	8.5	7.8	8.1	16.4	14.5	15.5	19.3	16.4	17.5	21.8	20.9	21.3
26	8.6	8.4	8.5	16.4	15.4	15.8	20.4	18.6	19.1	23.3	21.0	21.8
27	8.6	8.4	8.5	16.2	16.0	16.1	21.5	19.5	20.7	24.3	21.5	23.1
28	9.4	8.5	8.7	17.7	16.0	16.5	22.1	20.8	21.4	24.9	23.9	24.3
29	---	---	---	17.0	16.3	16.6	21.8	20.9	21.3	25.0	23.6	24.7
30	---	---	---	16.6	15.5	16.1	22.5	21.0	21.6	24.1	23.6	23.9
31	---	---	---	16.6	15.8	16.1	---	---	---	24.4	23.6	24.0
Month	9.4	3.5	6.2	17.7	8.5	12.6	22.5	13.0	16.5	25.0	16.6	20.5

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	25.4	23.7	24.4	28.5	28.0	28.2	28.0	27.5	27.8	28.6	28.5	28.6
2	25.4	23.7	24.5	28.2	27.2	27.5	27.8	27.5	27.7	28.5	28.2	28.4
3	25.0	23.7	24.5	27.2	26.5	26.7	27.9	27.4	27.6	28.2	27.6	28.0
4	25.3	24.3	24.7	27.0	26.1	26.5	28.0	27.5	27.7	28.0	27.6	27.9
5	26.1	24.8	25.2	27.4	26.4	26.8	28.2	27.5	27.8	27.8	27.6	27.8
6	26.1	25.1	25.6	28.0	26.7	27.2	28.9	27.4	28.0	27.8	27.5	27.7
7	26.9	25.7	26.1	28.1	27.2	27.5	29.3	28.1	28.7	27.7	27.4	27.6
8	27.0	26.2	26.4	28.1	27.4	27.6	29.7	28.4	29.0	27.6	26.7	27.1
9	27.3	26.4	26.7	29.0	27.5	28.1	30.8	29.1	29.8	27.2	26.8	27.0
10	27.6	26.7	27.2	29.3	28.0	28.8	31.3	29.6	30.6	27.3	26.5	26.7
11	26.9	26.4	26.7	29.3	28.5	28.9	31.0	29.6	30.4	27.8	26.9	27.4
12	26.7	26.1	26.4	29.1	28.2	28.7	29.6	28.7	29.1	27.7	27.0	27.4
13	26.8	26.2	26.5	28.7	28.2	28.4	29.0	28.4	28.8	27.2	26.6	26.9
14	26.2	25.0	25.6	28.6	28.1	28.3	28.9	28.6	28.8	26.8	26.1	26.4
15	25.0	24.2	24.5	29.0	28.1	28.4	28.9	28.5	28.7	26.7	26.0	26.4
16	24.6	23.8	24.1	29.2	28.5	28.8	29.6	28.7	29.0	26.1	24.9	25.3
17	24.2	23.6	24.0	29.2	28.3	28.9	29.3	28.3	28.9	24.9	23.7	24.2
18	24.8	23.6	24.1	29.2	28.5	28.8	28.8	28.1	28.5	23.9	23.2	23.4
19	26.3	23.9	24.7	29.6	29.0	29.2	28.4	27.9	28.1	23.4	22.8	23.2
20	27.5	24.8	26.7	30.2	29.1	29.6	28.5	27.6	27.9	23.4	23.0	23.2
21	27.2	26.3	26.7	29.4	28.2	29.0	29.1	28.2	28.6	23.5	23.1	23.3
22	26.8	26.3	26.6	28.6	27.8	28.2	29.0	28.5	28.7	23.7	23.4	23.6
23	26.5	26.0	26.2	28.1	27.6	27.9	28.7	28.5	28.6	23.9	23.6	23.8
24	26.3	26.0	26.1	27.8	27.6	27.8	28.6	28.5	28.6	24.3	23.8	24.1
25	26.4	26.0	26.2	27.6	27.4	27.6	29.0	28.4	28.6	24.5	24.2	24.4
26	26.9	26.1	26.4	27.6	27.3	27.4	29.4	28.5	28.9	24.6	24.4	24.5
27	28.5	26.2	27.1	27.5	27.2	27.3	29.1	28.4	28.7	24.6	24.4	24.5
28	28.9	27.9	28.3	27.5	27.2	27.3	29.0	28.6	28.7	25.5	24.5	24.9
29	29.0	27.9	28.6	27.7	27.1	27.3	28.9	28.5	28.7	25.6	24.5	25.1
30	28.5	27.8	28.3	27.8	27.2	27.4	28.9	28.6	28.7	24.7	23.8	24.3
31	---	---	---	28.0	27.4	27.6	28.8	28.6	28.7	---	---	---
Month	29.0	23.6	26.0	30.2	26.1	28.0	31.3	27.4	28.7	28.6	22.8	25.8

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	7.6	6.4	7.0	9.2	8.5	8.7	7.7	5.7	6.9	8.2	7.1	7.7
2	8.7	6.8	7.4	8.8	8.5	8.6	7.7	6.9	7.4	8.5	8.1	8.3
3	9.4	6.6	7.6	8.9	8.3	8.6	7.7	6.0	7.3	8.3	7.6	8.0
4	8.0	6.4	7.4	9.3	8.5	8.9	8.0	7.5	7.8	8.1	7.5	7.8
5	7.6	6.3	7.1	9.5	8.8	9.1	8.5	6.6	7.7	7.8	7.3	7.6
6	6.9	6.1	6.5	9.6	8.8	9.2	8.1	6.0	7.1	7.5	7.0	7.3
7	7.6	6.2	6.7	9.4	8.8	9.1	8.9	6.6	7.8	7.6	7.0	7.4
8	7.0	6.5	6.7	9.8	8.4	9.0	9.4	8.5	9.0	7.9	7.2	7.5
9	7.1	6.6	6.8	9.2	8.7	8.9	9.1	7.3	8.4	8.3	7.6	7.9
10	7.7	6.5	7.1	9.6	8.5	8.9	9.4	7.5	8.6	9.0	8.3	8.7
11	7.3	4.5	6.0	9.5	8.3	8.9	8.9	6.8	8.0	9.1	8.4	8.7
12	6.9	4.0	5.8	8.7	8.0	8.4	9.3	6.5	7.9	8.9	8.1	8.5
13	6.5	4.0	5.6	8.6	8.2	8.4	9.8	7.4	8.5	9.0	8.3	8.7
14	7.2	5.4	6.1	8.9	8.2	8.5	9.3	5.8	7.9	10.2	8.4	9.2
15	7.0	4.1	5.6	9.2	8.5	8.8	10.6	6.3	7.7	9.9	8.3	9.1
16	6.6	3.8	5.5	8.8	8.0	8.3	10.7	6.5	9.2	9.0	8.7	8.9
17	7.0	5.4	6.2	8.8	8.2	8.4	9.2	4.2	6.7	9.6	8.8	9.3
18	6.6	4.3	5.5	9.0	8.3	8.6	11.6	5.1	7.8	10.6	9.4	9.7
19	6.5	3.9	5.2	9.1	8.1	8.6	11.2	7.4	9.9	10.0	9.5	9.8
20	7.1	4.2	6.2	9.2	8.5	8.8	10.0	8.1	9.3	10.4	9.9	10.1
21	7.5	5.9	6.6	9.8	8.4	9.0	11.6	6.2	9.8	10.7	10.2	10.4
22	6.9	4.2	5.8	9.6	8.8	9.1	11.4	4.3	7.4	10.9	10.2	10.4
23	8.2	6.5	7.4	9.3	8.9	9.1	10.5	4.3	7.2	10.8	10.3	10.5
24	9.1	8.0	8.5	9.5	8.9	9.2	11.6	8.5	10.3	11.6	10.1	10.9
25	9.3	8.2	8.8	9.4	8.8	9.1	10.5	6.0	8.8	11.5	10.4	10.8
26	9.3	8.7	9.0	9.3	8.6	8.9	8.1	6.7	7.5	11.5	11.0	11.2
27	9.2	8.6	8.8	9.2	7.9	8.5	9.2	8.1	8.7	11.3	11.0	11.1
28	9.0	8.4	8.7	8.5	7.7	8.1	8.8	8.2	8.4	11.3	10.9	11.1
29	9.0	8.5	8.7	8.1	4.6	6.4	8.9	7.7	8.1	11.5	11.2	11.3
30	9.0	8.5	8.7	7.2	3.8	5.8	9.1	7.8	8.5	11.5	11.3	11.4
31	9.1	8.5	8.8	---	---	---	9.2	7.6	8.2	11.7	11.3	11.5
Month	9.4	3.8	7.0	9.8	3.8	8.6	11.6	4.2	8.2	11.7	7.0	9.4

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.8	11.4	11.6	10.6	9.8	10.3	---	---	---	9.2	7.5	7.8
2	11.6	11.4	11.5	10.1	9.7	9.9	---	---	---	7.8	6.8	7.4
3	11.5	11.4	11.4	9.9	9.4	9.7	---	---	---	7.3	6.6	7.0
4	11.5	11.2	11.4	10.0	9.4	9.7	---	---	---	7.1	6.6	6.8
5	11.6	11.3	11.5	10.2	9.6	9.9	---	---	---	7.3	6.6	6.9
6	11.9	11.5	11.7	10.3	9.9	10.1	---	---	---	7.7	6.6	7.2
7	11.9	11.7	11.8	10.4	10.1	10.2	---	---	---	8.1	7.6	7.9
8	12.0	11.7	11.8	10.4	10.0	10.2	---	---	---	8.2	7.9	8.0
9	12.1	11.8	12.0	10.6	10.2	10.4	---	---	---	8.3	7.9	8.1
10	12.0	11.8	11.9	10.6	10.3	10.4	---	---	---	8.7	7.7	8.1
11	12.1	11.8	11.9	10.6	10.2	10.4	9.0	8.2	8.8	9.2	6.5	7.8
12	12.1	11.5	11.8	10.6	10.0	10.3	9.4	8.8	9.1	8.5	5.3	7.5
13	12.0	11.5	11.8	10.5	10.0	10.2	9.6	8.9	9.2	---	---	---
14	11.6	11.0	11.2	10.4	9.8	10.1	9.4	8.8	9.1	---	---	---
15	11.5	11.1	11.3	10.0	9.5	9.7	9.1	8.6	8.8	---	---	---
16	11.9	11.2	11.5	9.7	9.0	9.4	9.1	8.5	8.7	---	---	---
17	11.8	11.3	11.5	9.6	9.0	9.3	9.1	8.6	8.8	---	---	---
18	12.1	11.4	11.7	10.1	9.5	9.8	9.3	8.8	9.1	---	---	---
19	12.4	11.7	12.1	10.3	9.7	9.9	9.7	8.9	9.2	---	---	---
20	12.4	12.0	12.2	10.9	9.9	10.2	10.0	9.1	9.5	---	---	---
21	12.3	11.8	12.1	10.5	10.0	10.2	11.9	9.0	10.2	---	---	---
22	12.2	11.5	11.9	10.4	9.9	10.1	11.8	9.6	10.6	---	---	---
23	11.9	11.3	11.7	11.3	9.8	10.3	11.2	10.2	10.7	---	---	---
24	11.9	11.3	11.6	10.8	9.5	10.1	10.2	8.8	9.5	---	---	---
25	11.7	11.1	11.4	10.8	9.4	9.9	9.2	8.0	8.8	9.0	7.4	7.8
26	11.5	10.9	11.3	---	---	---	8.9	8.1	8.3	8.3	7.3	7.7
27	11.4	10.8	11.1	---	---	---	8.1	7.5	7.9	7.7	6.9	7.3
28	11.3	10.3	10.7	---	---	---	8.3	7.4	7.8	7.5	6.7	7.2
29	---	---	---	---	---	---	8.4	7.3	7.8	7.7	6.1	7.0
30	---	---	---	---	---	---	8.4	7.5	8.0	7.8	6.7	7.2
31	---	---	---	---	---	---	---	---	---	7.8	6.7	7.1
Month	12.4	10.3	11.6	---	---	---	---	---	---	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	7.3	6.5	6.8	7.0	5.8	6.5	6.6	4.9	5.8	7.2	6.0	6.4
2	7.0	6.3	6.7	8.6	6.3	6.9	7.1	3.8	5.2	7.3	5.7	6.4
3	6.8	5.6	6.4	8.0	6.7	7.2	6.4	1.7	4.2	8.7	5.5	6.4
4	7.3	6.6	6.8	7.4	6.3	6.8	6.0	4.3	5.1	7.4	6.1	6.8
5	7.8	6.3	7.0	6.8	6.1	6.4	5.8	3.3	4.9	7.6	5.3	6.7
6	7.5	6.5	7.0	7.2	6.2	6.6	5.8	4.1	5.0	7.0	5.8	6.5
7	7.4	6.3	6.9	6.7	5.6	6.1	5.8	4.2	5.0	7.0	5.2	6.0
8	7.6	6.3	6.6	7.0	5.4	6.1	8.3	4.6	6.3	6.8	5.5	6.1
9	7.5	6.2	6.8	6.6	5.4	6.1	6.9	5.9	6.4	6.7	5.9	6.2
10	7.3	6.4	6.9	6.4	5.6	6.1	6.9	6.0	6.3	7.4	5.9	6.5
11	7.9	6.1	6.7	6.7	5.5	6.0	6.5	5.8	6.1	6.8	6.2	6.5
12	8.2	5.9	7.0	8.0	5.9	6.4	8.1	5.9	6.8	---	---	---
13	7.3	6.1	6.7	7.3	4.9	6.5	8.6	6.3	7.2	---	---	---
14	7.1	5.9	6.4	6.9	5.2	6.3	8.0	6.3	7.1	---	---	---
15	7.6	6.5	6.9	7.2	5.3	6.3	7.6	5.9	6.5	---	---	---
16	7.8	6.5	6.9	7.2	5.4	6.5	6.8	5.5	6.2	---	---	---
17	8.6	6.1	7.0	6.9	5.6	6.3	6.5	5.9	6.2	---	---	---
18	8.9	6.5	7.2	6.3	5.2	5.9	6.9	5.8	6.2	---	---	---
19	8.0	6.0	7.1	7.5	5.8	6.4	6.7	5.7	6.2	---	---	---
20	7.8	6.3	7.0	7.3	5.6	6.5	7.2	5.7	6.5	7.0	6.6	6.8
21	7.7	6.3	6.9	6.7	4.9	5.9	7.5	5.5	6.5	7.3	6.2	6.7
22	7.5	5.9	6.6	7.0	5.6	6.3	7.7	5.7	6.4	7.7	6.6	7.1
23	8.1	5.7	6.5	8.4	6.3	6.8	7.2	6.2	6.6	7.8	6.9	7.3
24	7.0	5.8	6.4	8.6	2.8	7.1	7.0	5.9	6.4	7.2	6.5	6.8
25	7.5	6.0	6.7	8.0	1.6	5.8	7.3	5.4	6.3	7.6	4.6	6.7
26	7.8	5.9	6.8	7.3	0.8	5.5	6.8	5.9	6.4	7.7	3.1	6.6
27	7.0	6.3	6.6	6.8	0.5	4.4	7.2	5.9	6.4	7.0	4.4	6.0
28	6.8	5.9	6.3	6.6	3.7	5.6	7.3	5.5	6.4	7.2	5.3	6.2
29	6.8	5.8	6.3	6.7	5.4	6.0	7.1	5.7	6.4	7.1	6.2	6.5
30	7.1	5.7	6.3	6.3	5.6	6.0	8.1	5.8	6.6	7.2	6.2	6.7
31	---	---	---	6.7	5.5	6.0	7.1	5.8	6.6	---	---	---
Month	8.9	5.6	6.7	8.6	0.5	6.2	8.6	1.7	6.1	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	7.1	1.0	4.3	8.4	7.0	7.6	7.6	4.5	5.9	8.5	4.5	7.1
2	7.1	6.4	6.8	8.6	6.5	7.9	7.7	5.7	6.8	9.0	8.2	8.4
3	6.6	4.3	5.5	8.7	8.1	8.5	7.3	5.3	6.0	8.4	7.4	7.8
4	7.0	3.4	4.8	9.1	8.2	8.8	7.9	5.2	7.1	7.5	6.8	7.2
5	7.5	2.1	6.0	9.3	8.8	9.0	8.2	5.6	7.3	7.8	6.8	7.3
6	6.2	1.5	4.6	9.3	7.8	8.6	7.6	5.7	6.5	7.3	6.6	7.1
7	6.7	5.6	6.2	8.1	7.0	7.7	8.8	5.5	6.8	7.4	5.8	6.4
8	6.7	6.2	6.4	7.6	6.2	6.8	9.3	7.5	8.6	7.8	6.6	7.2
9	6.7	5.3	6.2	9.1	6.0	8.4	8.9	6.7	7.9	8.5	7.4	7.8
10	7.2	5.2	6.5	8.8	6.3	8.2	8.6	6.2	7.4	9.2	8.5	8.9
11	7.2	3.3	5.5	8.1	4.6	6.4	8.5	6.2	7.2	9.2	8.4	8.7
12	6.1	2.1	4.7	8.6	4.5	7.0	9.3	6.9	7.9	8.5	7.8	8.2
13	5.8	4.2	5.0	8.7	8.3	8.5	10.3	5.9	8.1	8.0	7.4	7.6
14	7.2	4.0	5.5	8.7	7.5	8.1	8.6	6.6	7.6	7.9	7.1	7.4
15	5.6	4.2	4.9	8.2	7.1	7.7	---	---	---	9.2	7.2	7.9
16	6.4	2.4	4.4	8.6	7.4	8.3	---	---	---	9.2	8.5	9.0
17	6.1	3.0	4.9	9.0	8.1	8.5	---	---	---	9.8	8.9	9.4
18	6.3	2.2	4.5	8.8	7.8	8.4	---	---	---	10.0	9.3	9.6
19	3.9	0.6	2.5	8.6	7.8	8.2	---	---	---	10.2	9.3	10
20	6.6	0.3	4.3	8.7	7.1	7.9	---	---	---	10.7	10.1	10.4
21	6.7	3.6	5.2	9.5	7.7	8.9	---	---	---	10.7	10.0	10.4
22	7.0	3.4	5.5	9.3	8.7	9.1	4.5	2.0	2.5	10.7	9.8	10.2
23	8.3	4.6	6.9	9.3	8.7	9.1	5.8	3.4	4.0	11.2	9.9	10.7
24	9.6	7.8	8.8	9.3	8.9	9.1	4.5	1.5	2.7	11.3	10.3	10.7
25	9.2	8.3	8.9	9.2	8.9	9.0	6.4	1.4	2.7	11.4	10.3	10.8
26	9.1	8.6	8.9	9.0	8.0	8.5	8.4	2.7	6.3	11.3	10.6	11.0
27	8.9	8.3	8.6	8.2	7.6	7.9	9.2	8.4	8.8	11.4	10.5	11.0
28	8.8	8.4	8.6	7.6	7.0	7.3	9.5	8.6	9.1	11.2	10.2	10.7
29	8.8	8.4	8.6	7.2	4.6	6.1	9.0	7.8	8.4	11.4	11.0	11.2
30	8.6	7.9	8.4	6.2	4.3	5.1	8.0	6.9	7.6	11.5	10.4	11.0
31	8.7	7.0	7.7	---	---	---	7.5	4.6	6.1	11.5	10.8	11.3
Month	9.6	0.3	6.1	9.5	4.3	8.0	---	---	---	11.5	4.5	9.1

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.4	11.1	11.2	9.5	8.8	9.2	9.6	8.6	9.2	8.1	6.5	7.4
2	11.3	10.4	10.9	9.9	9.0	9.7	9.2	8.3	8.8	7.8	6.2	7.3
3	11.3	10.2	10.9	9.6	9.1	9.4	8.9	6.7	8.0	7.7	5.1	6.9
4	11.4	10.7	11.1	9.8	9.3	9.7	8.8	5.8	8.1	7.6	7.1	7.4
5	11.6	11.2	11.4	10.1	9.7	9.9	8.7	8.1	8.4	7.6	5.2	6.8
6	12.0	11.0	11.4	10.2	10.0	10.1	8.7	7.6	8.2	8.3	4.9	7.1
7	11.7	10.8	11.4	10.3	10.0	10.1	8.9	7.5	8.4	8.9	8.2	8.5
8	11.8	11.4	11.6	10.3	10.0	10.2	9.4	8.3	8.8	9.1	8.6	8.9
9	11.9	11.3	11.7	10.3	9.7	10.0	9.5	8.7	9.1	9.0	7.4	8.1
10	11.8	11.0	11.4	10.3	9.7	10.0	9.7	7.6	8.8	7.8	6.6	7.2
11	11.4	10.8	11.1	10.3	9.4	9.8	8.1	5.5	6.5	7.0	4.1	5.9
12	11.0	10.6	10.9	10.4	9.2	9.8	7.1	5.3	5.8	5.8	4.3	5.2
13	11.4	10.6	10.9	10.0	8.8	9.3	8.4	7.0	7.7	8.1	3.7	5.2
14	11.2	10.5	10.9	9.7	7.7	8.9	8.4	7.7	8.1	7.7	4.1	5.4
15	11.2	10.9	11.0	9.4	7.7	8.4	8.2	7.5	7.8	4.9	3.0	4.2
16	11.4	10.9	11.1	9.5	7.3	8.5	7.5	6.9	7.2	8.2	2.6	5.8
17	11.2	11.0	11.1	9.8	9.2	9.4	7.0	6.5	6.8	8.0	5.8	7.1
18	11.6	11.0	11.3	10.3	9.6	9.9	6.9	6.1	6.4	7.6	6.8	7.2
19	11.8	11.5	11.7	10.4	9.8	10.1	7.2	6.3	6.7	7.9	6.7	7.3
20	11.8	11.6	11.7	10.8	10.0	10.3	7.9	6.2	7.1	8.1	6.9	7.6
21	11.7	11.2	11.5	10.6	10.2	10.4	7.5	6.1	6.9	7.9	6.5	7.3
22	11.4	10.9	11.2	10.4	9.8	10.2	6.6	5.3	5.9	7.2	5.6	6.4
23	11.3	10.9	11.2	10.6	9.7	10.1	6.1	4.2	5.2	6.5	5.5	5.9
24	11.2	10.7	11.0	10.4	9.3	10	8.9	4.0	7.5	7.2	4.7	5.6
25	11.0	10.6	10.8	10.1	8.4	9.5	8.7	5.9	7.6	---	---	---
26	10.8	10.2	10.6	9.8	9.3	9.6	8.8	7.5	8.1	---	---	---
27	10.3	9.8	10.1	9.8	8.8	9.3	8.4	6.7	8.0	---	---	---
28	10.2	9.4	9.8	9.9	8.1	8.9	8.6	6.9	7.7	---	---	---
29	---	---	---	9.5	8.9	9.1	8.2	7.0	7.6	---	---	---
30	---	---	---	9.7	8.2	9.1	8.4	5.9	7.3	---	---	---
31	---	---	---	9.9	8.9	9.4	---	---	---	---	---	---
Month	12.0	9.4	11.1	10.8	7.3	9.6	9.7	4.0	7.6	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	5.2	0.9	2.4	7.0	5.0	6.1	0.6	0.0	0.2	0.4	0.0	0.2
2	4.9	0.5	2.4	6.5	5.3	5.9	0.1	0.0	0.0	0.5	0.0	0.2
3	---	---	---	7.0	5.0	6.2	0.1	0.0	0.0	0.6	0.0	0.1
4	---	---	---	7.1	4.8	6.1	0.2	0.0	0.0	0.6	0.0	0.1
5	---	---	---	6.8	6.0	6.4	0.2	0.0	0.0	0.5	0.0	0.1
6	---	---	---	7.1	5.4	6.1	3.4	0.0	0.5	0.3	0.0	0.1
7	---	---	---	6.5	3.4	5.2	5.0	0.1	1.6	1.5	0.0	0.4
8	---	---	---	5.8	2.8	4.0	4.0	0.0	1.0	4.6	0.0	1.7
9	---	---	---	6.4	2.5	4.6	5.6	0.0	2.2	6.2	0.5	5.1
10	---	---	---	6.2	3.9	5.7	6.1	0.9	3.9	6.3	5.3	5.8
11	---	---	---	6.2	4.9	5.7	6.0	2.6	5.0	6.6	5.8	6.2
12	---	---	---	6.4	4.5	5.5	5.8	3.6	5.2	---	---	---
13	---	---	---	5.2	3.7	4.3	5.9	2.5	4.0	---	---	---
14	---	---	---	4.9	2.8	3.8	5.2	1.6	2.6	---	---	---
15	7.2	5.1	6.6	6.3	1.8	3.5	5.1	1.4	2.5	---	---	---
16	6.7	4.2	5.6	6.7	5.4	6.0	6.7	2.9	5.8	---	---	---
17	6.9	5.1	6.2	6.4	4.5	5.8	6.4	5.6	6.1	---	---	---
18	6.2	2.1	4.3	6.1	4.8	5.5	6.2	4.8	5.7	---	---	---
19	6.1	1.3	3.2	6.2	4.2	5.4	6.6	5.5	6.1	---	---	---
20	7.5	2.2	5.3	6.5	3.7	5.3	6.7	5.5	5.9	6.9	6.5	6.7
21	6.5	4.4	5.9	6.6	3.3	4.8	6.7	5.2	6.1	6.6	4.1	5.8
22	6.5	4.2	5.8	6.2	0.6	3.3	6.2	5.3	5.8	4.5	3.5	4.0
23	5.9	2.4	4.0	1.0	0.1	0.4	5.9	4.4	5.1	4.9	1.9	3.7
24	4.2	1.9	3.2	0.2	0.0	0.1	4.5	2.5	3.4	3.6	2.0	2.7
25	3.3	1.2	2.5	0.1	0.0	0.1	5.8	1.0	2.5	3.2	2.2	2.9
26	4.0	0.2	1.7	0.0	0.0	0.0	5.9	0.3	3.0	2.8	0.4	1.6
27	6.3	0.2	2.5	0.0	0.0	0.0	4.7	0.5	2.2	1.1	0.0	0.5
28	6.7	3.0	5.8	0.0	0.0	0.0	4.3	0.3	1.7	5.0	0.0	1.3
29	6.5	5.1	6.0	0.0	0.0	0.0	5.8	1.3	2.8	5.9	1.4	4.5
30	6.5	4.8	5.7	0.3	0.0	0.0	2.8	0.7	1.8	5.1	0.1	2.4
31	---	---	---	0.7	0.0	0.2	1.8	0.1	0.7	---	---	---
Month	---	---	---	7.1	0.0	3.7	6.7	0.0	3.0	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	96	79	87	103	92	95	83	59	72	83	71	77
2	110	85	93	98	93	95	82	73	78	85	81	83
3	120	82	95	96	89	92	80	63	76	82	75	79
4	101	80	92	98	89	93	83	76	80	80	75	77
5	96	79	89	99	90	94	84	65	77	80	73	76
6	87	76	81	99	90	94	79	59	69	78	72	76
7	94	76	83	97	91	94	87	65	77	79	73	76
8	86	80	83	105	88	95	91	80	85	83	75	79
9	87	81	83	98	92	94	83	67	77	84	79	81
10	95	79	87	105	91	95	85	69	78	88	83	86
11	89	55	73	104	90	96	80	61	72	87	81	84
12	85	49	72	95	86	90	85	58	71	85	79	82
13	80	49	68	91	86	89	89	67	78	88	80	84
14	86	64	72	94	86	90	85	53	73	101	82	90
15	83	48	65	99	90	94	102	59	72	98	83	91
16	77	44	63	95	86	90	101	61	87	91	87	90
17	81	63	72	95	88	91	88	39	63	93	87	90
18	78	50	64	95	88	91	113	48	74	99	89	91
19	77	46	61	94	83	89	110	71	96	93	88	91
20	85	50	74	95	87	90	97	77	89	94	90	92
21	90	70	78	96	86	91	110	59	93	95	91	92
22	81	49	68	97	89	93	107	43	71	97	91	93
23	95	76	86	94	89	91	106	43	73	96	90	93
24	101	91	95	94	86	90	117	86	104	104	90	96
25	99	88	94	93	86	90	105	60	88	103	92	95
26	99	91	95	93	84	88	82	68	76	99	94	97
27	97	91	93	91	80	85	92	82	87	97	93	95
28	96	89	93	85	78	82	87	81	83	98	93	95
29	96	91	93	82	47	65	88	76	80	99	96	97
30	97	90	93	74	39	59	90	76	83	96	94	95
31	99	91	95	---	---	---	91	75	81	97	94	95
Month	120	44	82	105	39	90	117	39	79	104	71	88

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	96	93	94	98	92	95	---	---	---	116	89	93
2	95	93	94	96	91	94	---	---	---	95	81	88
3	96	93	94	96	91	94	---	---	---	89	79	84
4	95	92	94	96	91	93	---	---	---	83	77	79
5	95	93	94	96	90	93	---	---	---	84	76	80
6	94	92	93	96	92	94	---	---	---	85	76	82
7	96	93	95	96	92	94	---	---	---	88	83	86
8	96	94	95	97	92	94	---	---	---	88	84	86
9	97	94	96	99	93	96	---	---	---	91	86	87
10	97	94	96	101	95	98	---	---	---	99	84	90
11	98	94	96	102	96	99	90	82	88	108	72	88
12	99	95	97	102	95	98	98	88	93	102	61	87
13	101	97	99	102	95	98	101	92	96	---	---	---
14	99	95	97	103	97	100	99	91	95	---	---	---
15	98	94	96	102	96	98	95	91	93	---	---	---
16	98	93	96	99	90	95	93	88	90	---	---	---
17	97	93	95	94	90	92	92	86	89	---	---	---
18	100	94	97	97	90	93	95	88	91	---	---	---
19	101	96	99	98	91	94	98	89	93	---	---	---
20	103	98	100	107	94	98	102	91	95	---	---	---
21	105	100	102	102	95	97	125	92	104	---	---	---
22	105	99	102	104	95	99	125	99	110	---	---	---
23	104	98	101	117	97	104	122	110	115	---	---	---
24	103	98	100	114	97	103	111	96	104	---	---	---
25	102	98	100	114	96	103	103	88	98	112	87	93
26	105	97	100	---	---	---	103	91	95	103	87	94
27	106	97	100	---	---	---	93	86	91	97	84	90
28	103	95	98	---	---	---	99	86	92	95	84	90
29	---	---	---	---	---	---	100	86	92	100	77	89
30	---	---	---	---	---	---	101	88	95	100	85	91
31	---	---	---	---	---	---	---	---	---	100	84	90
Month	106	92	97	---	---	---	---	---	---	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	93	82	87	94	78	87	92	68	80	99	82	87
2	89	80	86	116	83	91	99	52	72	100	77	87
3	86	70	81	106	87	94	88	23	57	119	74	87
4	93	82	86	98	82	89	82	59	70	101	82	92
5	100	80	88	90	79	84	82	45	68	104	73	90
6	97	83	90	97	81	87	81	57	70	95	80	88
7	96	81	90	90	74	81	83	59	70	97	71	82
8	101	81	86	95	72	82	121	65	90	93	75	83
9	101	82	90	90	72	82	100	85	93	92	80	85
10	97	84	91	88	76	83	100	86	91	103	80	89
11	104	79	88	92	74	82	92	83	87	94	85	90
12	109	77	91	111	80	87	113	81	94	---	---	---
13	96	79	86	100	67	88	122	86	100	---	---	---
14	91	75	82	93	70	84	112	87	99	---	---	---
15	96	81	87	98	71	85	106	81	90	---	---	---
16	98	81	86	99	73	88	95	76	87	---	---	---
17	112	76	88	94	76	85	90	81	86	---	---	---
18	118	82	93	86	70	80	96	80	86	---	---	---
19	105	77	93	105	79	88	92	78	85	---	---	---
20	104	83	93	101	77	89	99	77	88	89	84	87
21	103	82	91	89	67	79	106	76	89	94	79	86
22	100	77	86	92	73	82	108	78	89	101	85	91
23	108	74	86	110	81	88	100	85	91	105	91	97
24	93	75	84	114	37	93	97	82	88	96	86	91
25	100	79	88	107	21	76	102	74	87	101	61	88
26	105	78	91	99	11	74	95	82	89	103	41	87
27	95	85	89	91	7	59	100	82	89	94	59	81
28	93	79	85	90	51	76	102	76	88	98	70	84
29	93	78	85	93	74	82	99	78	89	94	82	87
30	97	77	85	87	77	82	112	79	92	95	81	87
31	---	---	---	92	75	82	98	78	90	---	---	---
Month	118	70	88	116	7	84	122	23	85	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	89	13	53	91	75	82	81	47	62	86	45	71
2	89	79	84	96	70	86	82	61	72	90	82	84
3	82	54	69	94	89	91	77	56	64	84	73	78
4	88	42	59	96	87	92	81	55	73	75	68	72
5	94	26	76	96	90	93	82	57	73	78	69	74
6	78	19	58	95	81	89	76	57	65	76	68	73
7	83	69	76	84	74	80	86	55	68	77	60	67
8	83	76	79	80	66	72	88	70	82	82	69	76
9	82	65	76	98	64	89	82	60	72	86	77	80
10	89	64	79	94	68	88	78	57	68	90	85	87
11	88	40	68	87	50	69	78	57	66	89	81	85
12	75	26	58	92	49	75	85	63	72	82	75	79
13	71	51	61	92	88	90	94	54	75	77	72	74
14	86	48	65	92	79	86	79	61	70	78	69	72
15	66	49	57	88	76	82	---	---	---	93	71	79
16	74	28	52	93	79	90	---	---	---	93	86	90
17	71	35	57	98	87	92	---	---	---	95	89	92
18	74	26	53	96	83	90	---	---	---	94	88	91
19	46	7	29	92	84	87	---	---	---	95	88	93
20	79	4	51	92	76	84	---	---	---	97	92	95
21	79	42	61	94	81	91	---	---	---	96	91	94
22	82	40	65	94	89	92	45	20	25	96	88	92
23	95	54	80	93	89	91	58	34	40	100	89	95
24	106	89	98	92	88	91	45	15	27	101	91	96
25	99	89	95	92	89	90	64	14	27	102	92	96
26	95	90	93	90	81	86	85	27	64	97	91	95
27	93	87	91	83	78	80	92	85	88	98	90	94
28	94	89	92	78	72	75	94	84	89	97	89	93
29	94	90	92	74	47	63	88	77	82	98	94	96
30	92	84	89	64	44	53	79	68	75	97	88	93
31	94	75	83	---	---	---	74	46	60	96	91	94
Month	106	4	71	98	44	84	---	---	---	102	45	85

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	95	92	93	86	79	83	104	92	99	96	76	87
2	94	87	91	94	82	92	100	89	95	93	73	87
3	94	86	91	94	88	90	98	73	88	93	60	82
4	95	89	93	95	90	93	100	63	90	89	83	87
5	96	92	94	94	91	93	98	90	94	88	61	79
6	95	90	93	95	92	94	94	81	88	92	57	81
7	96	88	93	95	92	93	93	79	88	96	90	92
8	96	93	95	96	92	94	94	86	90	97	92	95
9	96	92	94	95	90	93	95	86	90	96	80	87
10	96	90	93	96	90	93	96	76	88	85	72	78
11	93	88	90	98	88	92	81	55	65	76	45	65
12	91	87	89	99	87	93	74	53	60	64	47	57
13	95	88	91	97	84	88	88	73	80	93	41	59
14	96	89	94	94	74	85	88	80	84	88	46	62
15	95	92	93	93	74	82	86	79	82	56	34	48
16	95	91	93	96	71	84	79	70	74	96	30	68
17	94	91	93	95	91	93	71	66	68	95	68	84
18	96	92	94	99	91	95	70	62	65	86	79	83
19	97	94	96	99	93	96	73	63	67	90	76	83
20	99	95	97	105	95	98	81	63	72	93	79	86
21	98	95	97	103	97	99	77	63	71	90	74	84
22	100	93	96	104	95	100	68	55	61	84	65	75
23	99	95	97	108	96	101	63	44	54	76	64	69
24	97	93	95	106	95	102	97	42	81	85	55	66
25	96	93	95	106	86	99	97	63	82	---	---	---
26	96	90	94	104	97	101	101	84	91	---	---	---
27	92	88	90	103	92	98	98	76	93	---	---	---
28	92	84	88	108	85	94	102	80	91	---	---	---
29	---	---	---	101	94	97	97	82	89	---	---	---
30	---	---	---	103	86	96	100	69	86	---	---	---
31	---	---	---	105	93	99	---	---	---	---	---	---
Month	100	84	93	108	71	94	104	42	81	---	---	---

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18 NEAR SCRANTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	66	11	30	94	67	82	8	0	2	6	0	3
2	62	6	30	87	70	79	1	0	0	7	0	2
3	---	---	---	92	65	81	1	0	0	8	0	2
4	---	---	---	93	63	80	3	0	0	8	0	0
5	---	---	---	90	78	84	3	0	0	7	0	1
6	---	---	---	95	71	81	47	0	8	4	0	0
7	---	---	---	86	45	68	70	1	22	21	0	5
8	---	---	---	78	37	54	56	0	14	63	0	24
9	---	---	---	87	33	61	80	0	30	85	7	69
10	---	---	---	85	52	78	88	13	55	87	72	79
11	---	---	---	85	66	77	86	37	71	91	79	85
12	---	---	---	87	61	75	80	51	73	---	---	---
13	---	---	---	70	50	59	81	35	56	---	---	---
14	---	---	---	66	38	51	72	22	36	---	---	---
15	91	64	83	86	24	47	70	19	34	---	---	---
16	83	53	70	91	73	81	94	40	80	---	---	---
17	86	63	77	87	61	79	89	77	84	---	---	---
18	78	26	54	83	65	74	85	66	78	---	---	---
19	79	16	40	84	57	74	91	75	83	---	---	---
20	99	28	70	90	50	74	92	74	80	88	83	86
21	86	57	78	88	45	65	92	71	84	84	53	74
22	85	55	76	83	8	44	86	73	79	58	45	52
23	77	31	52	14	1	5	81	61	70	63	25	48
24	55	25	41	3	0	0	62	35	47	47	26	35
25	43	16	32	1	0	0	80	14	35	42	29	38
26	53	3	22	0	0	0	82	4	41	37	5	21
27	85	3	33	0	0	0	65	7	31	15	0	6
28	91	40	79	0	0	0	59	4	23	67	0	17
29	88	68	81	0	0	0	80	18	38	78	19	60
30	88	64	77	4	0	0	39	10	25	67	1	32
31	---	---	---	10	0	2	25	1	9	---	---	---
Month	---	---	---	95	0	50	94	0	42	---	---	---