

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 June 2008 (discontinued).

PERIOD OF DAILY RECORD.--

SALINITY (TOP AND BOTTOM): May 2002 to June 2008.

pH (TOP AND BOTTOM): May 2002 to June 2008.

WATER TEMPERATURE (TOP AND BOTTOM): May 2002 to June 2008.

DISSOLVED OXYGEN (TOP AND BOTTOM): May 2002 to June 2008.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): May 2002 to June 2008.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from May 2002 to June 2008. Station discontinued June 4, 2008.

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. Station discontinued June 4, 2008. 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, 19.6 ppt, January 3, 2008; 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, 8.8 standard units, May 25, 2008; 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, 19.6 ppt, January 3; minimum recorded, 9.2 ppt, April 30.

SALINITY (BOTTOM): Maximum recorded, 20.1 ppt, December 11, 12; minimum recorded, 9.4 ppt, May 18.

pH (TOP): Maximum recorded, 8.8 standard units, May 25; minimum recorded, 6.9 standard units, April 9, 10, 11.

pH (BOTTOM): Maximum recorded, 8.3 standard units, April 29, May 8; minimum recorded, 6.5 standard units, May 2, 3, 25.

WATER TEMPERATURE (TOP): Maximum recorded, 27.0°C, October 8, 9; minimum recorded, 5.0°C, January 28.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 26.4°C, October 9, 10; minimum recorded, 5.3°C, January 28.

DISSOLVED OXYGEN (TOP): Maximum recorded, 11.8 mg/L, January 27, 28, 29; minimum recorded, 5.7 mg/L, May 25.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 11.7 mg/L, February 29; minimum recorded, 0.0 mg/L, on several days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 154%, June 2; minimum recorded, 68%, May 25.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 119%, March 12, 13; minimum recorded, 0%, on several 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 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	16.8	16.3	16.6	17.3	17.2	17.3	18.4	17.9	18.1	19.2	19.1	19.2
2	17.0	16.6	16.8	17.4	17.2	17.3	18.4	18.2	18.3	19.4	19.2	19.2
3	17.0	16.8	16.9	17.4	17.0	17.2	18.8	18.1	18.4	19.6	17.7	19.0
4	17.2	16.9	17.0	17.3	17.1	17.3	18.7	18.4	18.5	19.3	18.1	18.8
5	17.3	17.1	17.2	17.3	17.1	17.3	18.7	18.5	18.6	19.1	18.4	18.7
6	17.3	17.2	17.3	17.3	17.0	17.2	18.8	18.6	18.7	18.9	18.6	18.7
7	17.3	17.1	17.3	17.2	17.1	17.1	18.7	18.4	18.6	19.0	18.8	18.9
8	17.3	17.1	17.3	17.3	16.9	17.1	18.7	18.4	18.6	19.2	18.9	19.1
9	17.4	17.3	17.3	17.3	17.1	17.2	18.7	18.5	18.6	19.3	18.6	19.2
10	17.3	17.1	17.3	17.3	16.9	17.2	18.8	18.5	18.6	19.2	18.7	19.0
11	17.3	17.2	17.2	17.3	17.2	17.3	19.0	18.6	18.8	19.2	19.0	19.1
12	17.4	17.3	17.3	17.3	17.1	17.2	19.0	18.8	18.9	19.1	18.7	19.0
13	17.5	17.3	17.4	17.4	17.2	17.3	19.1	18.9	19.0	19.2	18.9	19.1
14	17.5	17.4	17.4	17.4	17.2	17.3	19.0	18.8	18.9	19.1	18.9	19.0
15	17.5	17.4	17.4	17.5	17.1	17.3	19.3	18.9	19.1	19.1	18.9	19.0
16	17.5	17.5	17.5	17.5	17.2	17.3	19.2	18.7	19.0	19.2	19.0	19.1
17	17.5	17.5	17.5	17.6	17.5	17.6	19.0	18.8	18.9	19.2	19.1	19.2
18	17.6	17.5	17.5	17.6	17.5	17.5	19.1	18.9	19.0	19.3	19.1	19.1
19	17.5	17.5	17.5	17.6	17.4	17.5	19.1	18.8	19.0	19.1	18.8	19.1
20	17.5	17.3	17.4	17.5	17.4	17.5	19.0	18.8	18.9	19.0	18.6	18.8
21	17.5	17.4	17.5	17.7	17.5	17.6	19.0	18.7	18.8	19.0	18.8	18.9
22	17.5	17.5	17.5	17.8	17.3	17.5	19.1	18.8	19.0	19.1	18.6	18.9
23	17.6	17.5	17.6	17.7	17.5	17.6	19.1	18.8	19.0	18.9	18.6	18.8
24	17.5	17.3	17.5	17.8	17.5	17.6	19.0	18.9	18.9	18.9	18.7	18.8
25	17.5	17.4	17.5	17.9	17.5	17.7	19.2	18.9	19.0	19.2	18.4	18.9
26	17.5	17.4	17.5	17.9	17.8	17.9	19.2	18.7	19.0	19.0	18.6	18.8
27	17.5	17.3	17.4	17.9	17.7	17.8	19.2	18.9	19.0	19.0	18.5	18.6
28	17.3	17.1	17.2	18.1	17.7	18.0	19.2	19.0	19.1	18.8	18.4	18.5
29	17.4	16.8	17.2	18.1	17.9	18.0	19.2	18.9	19.1	19.0	18.7	18.8
30	17.4	17.1	17.2	18.3	17.9	18.1	19.0	18.8	18.9	19.0	18.5	18.7
31	17.3	17.1	17.2	---	---	---	19.2	19.0	19.1	19.2	18.6	19.0
Month	17.6	16.3	17.3	18.3	16.9	17.5	19.3	17.9	18.8	19.6	17.7	18.9

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**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	19.1	18.8	18.9	15.8	14.9	15.3	14.8	14.2	14.6	11.8	9.9	11.2
2	19.0	18.7	18.8	15.3	14.9	15.1	14.5	14.1	14.3	11.4	10.2	10.6
3	19.0	18.8	18.9	15.7	15.1	15.4	14.9	14.3	14.5	10.4	10.1	10.3
4	19.0	18.8	18.9	16.1	15.3	15.5	14.8	14.5	14.5	10.4	10	10.2
5	19.0	18.8	19.0	16.1	15.0	15.2	14.7	13.5	14.2	10.5	10	10.3
6	19.0	18.6	18.8	15.2	14.8	15.0	13.9	12.4	13.1	10.5	9.5	10.1
7	18.8	18.6	18.7	15.3	14.9	15.1	13.0	11.8	12.5	10.2	10	10.1
8	18.8	18.5	18.7	15.2	14.1	14.8	12.6	11.0	11.7	10.3	10	10.1
9	19.0	18.7	18.9	14.8	13.8	14.5	11.8	11.1	11.4	10.4	10	10.1
10	19.0	18.6	18.8	15.1	13.7	14.5	13.9	11.5	12.2	10.2	10.0	10.1
11	19.0	18.8	18.9	14.7	13.7	14.2	14.0	13.3	13.8	11.1	10	10.5
12	19.2	18.8	19.0	14.5	14.1	14.3	13.7	12.4	13.0	10.6	9.7	10.1
13	19.2	18.6	18.9	14.8	13.9	14.5	12.7	12.4	12.5	10.5	9.8	10.2
14	18.8	18.3	18.6	14.8	14.1	14.5	12.7	11.7	12.2	10.5	9.5	10.1
15	18.8	18.4	18.6	14.6	13.8	14.2	12.4	11.7	12.1	10.2	9.5	9.7
16	18.8	18.3	18.5	14.6	13.5	14.2	12.6	11.8	12.1	10.2	9.4	9.7
17	18.6	18.2	18.4	14.1	13.5	13.9	12.4	11.9	12.1	9.8	9.6	9.7
18	18.5	17.5	18.0	14.1	13.3	13.8	12.2	11.9	12.1	10.0	9.3	9.7
19	17.5	16.5	17.2	14.3	13.7	14.0	12.2	12.0	12.1	9.8	9.4	9.6
20	17.6	16.1	17.1	14.2	13.7	13.9	12.5	12.1	12.3	10.0	9.6	9.8
21	16.6	15.4	16.2	14.3	13.9	14.2	12.6	12.2	12.4	10.0	9.7	9.9
22	15.5	14.2	14.7	14.3	14.0	14.1	12.6	12.1	12.5	10.1	9.8	10
23	15.3	14.4	14.8	14.4	14.1	14.3	12.4	12.0	12.3	10.2	9.9	10.0
24	14.7	13.3	14.1	14.5	14.1	14.4	12.0	11.7	11.9	10.3	9.8	10.1
25	17.2	13.7	14.4	14.3	13.6	13.9	12.2	11.5	11.9	10.2	9.7	9.9
26	17.4	14.7	16.5	14.1	13.8	13.9	12.0	11.5	11.8	10.5	9.8	10.1
27	16.7	15.7	15.9	14.2	13.8	14.0	12.0	11.7	11.9	10.2	10.0	10.1
28	15.9	14.6	15.4	14.1	13.7	13.9	11.9	11.2	11.6	10.3	9.7	10
29	16.0	14.7	15.6	14.5	13.9	14.1	11.4	10.6	11.1	10.5	9.9	10.2
30	---	---	---	14.7	14.3	14.5	11.1	9.2	10.3	10.6	10.0	10.3
31	---	---	---	14.8	14.4	14.6	---	---	---	10.6	9.9	10.3
Month	19.2	13.3	17.6	16.1	13.3	14.4	14.9	9.2	12.5	11.8	9.3	10.1

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	10.2	9.9	10.0	---	---	---	---	---	---	---	---	---
2	10.2	10	10.1	---	---	---	---	---	---	---	---	---
3	10.2	9.8	10.0	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	19.1	17.7	18.4	17.6	17.4	17.5	19.8	18.1	19.0	19.6	19.2	19.4
2	19.4	17.8	18.7	17.4	17.2	17.3	19.8	18.4	19.1	19.4	19.2	19.3
3	18.8	17.7	18.4	17.5	17.1	17.3	19.0	18.1	18.5	19.6	18.9	19.4
4	18.6	17.9	18.3	17.4	17.2	17.4	18.7	18.4	18.5	19.5	19.4	19.4
5	18.4	18.1	18.2	17.7	17.3	17.4	19.2	18.6	18.8	19.4	19.1	19.3
6	18.2	17.7	17.9	17.4	17.0	17.2	18.8	18.6	18.7	19.3	19.0	19.2
7	17.9	17.6	17.8	17.3	17.1	17.2	18.8	18.6	18.7	19.5	19.2	19.4
8	17.9	17.3	17.5	17.4	17.0	17.2	19.2	18.8	18.8	19.7	19.4	19.6
9	17.5	17.3	17.4	17.5	17.3	17.4	19.6	19.0	19.4	19.9	19.4	19.5
10	17.4	17.2	17.3	17.5	17.2	17.4	19.7	19.2	19.6	19.9	19.5	19.8
11	17.3	17.1	17.2	17.5	17.3	17.4	20.1	19.5	19.8	19.9	19.1	19.4
12	17.7	17.3	17.4	17.6	17.3	17.5	20.1	19.0	19.7	19.7	19.0	19.4
13	17.6	17.4	17.4	18.4	17.3	17.6	19.4	19.0	19.2	19.2	19.0	19.1
14	17.5	17.4	17.4	18.6	18.0	18.4	19.7	19.0	19.4	19.2	19.0	19.1
15	17.6	17.4	17.5	18.5	17.0	17.6	19.8	19.0	19.4	19.3	19.0	19.1
16	17.5	17.5	17.5	17.6	17.1	17.3	19.3	18.7	19.0	19.7	19.0	19.3
17	17.6	17.5	17.5	18.0	17.4	17.7	19.1	18.8	18.9	19.6	19.1	19.3
18	17.7	17.5	17.6	17.9	17.5	17.7	19.1	19.0	19.1	19.4	19.1	19.3
19	17.6	17.5	17.6	18.6	17.6	18.1	19.2	19.0	19.1	19.4	18.9	19.2
20	17.7	17.4	17.5	19.1	18.4	18.8	19.0	18.9	19.0	19.0	18.6	18.9
21	17.8	17.5	17.6	19.0	18.4	18.8	19.3	18.8	19.0	19.2	18.9	19.0
22	17.9	17.6	17.7	18.9	17.3	18.0	19.2	18.8	19.0	19.4	19.0	19.2
23	17.7	17.6	17.7	17.9	17.4	17.6	19.4	19.0	19.2	19.3	19.1	19.2
24	17.7	17.5	17.6	17.8	17.4	17.6	19.3	18.9	19.1	19.4	18.8	19.2
25	17.6	17.5	17.6	18.7	17.6	18.1	19.5	19.2	19.3	19.2	18.8	19.0
26	17.6	17.5	17.6	19.0	18.2	18.8	19.3	18.8	19.1	19.3	19.0	19.2
27	17.5	17.3	17.4	19.2	17.7	18.4	19.3	19.0	19.2	19.3	18.8	19.1
28	17.3	17.1	17.3	18.9	17.9	18.3	19.5	19.1	19.3	19.2	18.8	19.0
29	17.5	16.9	17.3	18.7	18.0	18.4	19.2	19.0	19.2	19.2	18.9	19.1
30	17.4	17.1	17.2	18.4	18.1	18.3	20.0	19.0	19.7	19.0	18.6	18.9
31	17.5	17.2	17.4	---	---	---	19.9	19.2	19.5	19.4	18.9	19.1
Month	19.4	16.9	17.6	19.2	17.0	17.8	20.1	18.1	19.1	19.9	18.6	19.2

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	19.3	18.9	19.1	16.1	15.2	15.7	14.9	14.5	14.7	12.0	11.7	11.9
2	19.2	18.8	19.0	16.5	15.8	16.2	14.7	14.2	14.5	11.8	10.5	11.5
3	19.3	18.9	19.0	16.4	15.7	16.0	14.9	14.3	14.6	11.5	10.3	10.6
4	19.4	19.1	19.3	16.5	15.6	15.9	15.0	14.5	14.6	11.1	10.3	10.7
5	19.4	19.0	19.1	16.5	15.5	16.0	14.7	14.3	14.5	11.3	10.7	11.1
6	19.0	18.7	18.8	16.4	15.5	16.0	14.7	13.0	14.0	11.6	10.4	11.1
7	18.9	18.6	18.8	16.1	15.3	15.6	14.6	12.6	13.5	11.5	10.0	11.0
8	19.3	18.7	19.0	15.4	14.3	15.0	13.7	11.7	12.2	10.5	10.0	10.2
9	19.0	18.8	18.9	15.8	14.0	15.0	14.1	11.7	13.5	10.4	9.9	10.1
10	19.0	18.7	18.8	15.7	15.1	15.5	14.5	14.0	14.3	10.6	10	10.3
11	19.2	18.8	19.0	15.7	15.1	15.5	15.1	14.1	14.8	11.3	10.1	10.6
12	19.4	18.8	19.1	15.6	14.1	15.0	14.4	13.5	14.0	10.9	9.6	10.1
13	19.2	18.6	19.0	15.1	14.5	14.8	14.1	12.6	13.3	10.7	10	10.3
14	19.0	18.6	18.8	14.9	14.4	14.7	13.3	12.3	12.8	11.1	10.4	10.7
15	19.0	18.5	18.8	14.9	14.3	14.7	12.8	11.7	12.3	10.7	9.8	10.3
16	18.9	18.5	18.7	14.8	14.1	14.4	12.6	11.9	12.3	10.2	9.5	9.9
17	19.0	18.4	18.7	14.8	13.8	14.2	12.4	12.0	12.2	10.7	9.6	10
18	18.7	17.7	18.1	15.4	14.5	15.1	12.4	12.2	12.3	10.2	9.4	9.8
19	18.4	17.3	17.8	15.5	13.7	14.4	12.2	12.0	12.1	10.2	9.5	9.7
20	17.9	16.9	17.7	15.1	13.7	14.1	13.0	12.2	12.4	10.6	9.7	10.0
21	18.0	16.3	17.4	14.9	14.2	14.5	13.1	12.4	12.7	10.5	9.8	10.1
22	18.1	17.3	17.8	14.9	14.0	14.3	13.0	12.4	12.6	10.4	10.0	10.2
23	17.9	17.1	17.5	14.4	14.1	14.2	13.4	12.4	12.7	10.5	10	10.2
24	17.9	16.8	17.6	14.5	14.1	14.4	13.6	12.5	13.1	11.7	10.4	11.0
25	18.3	17.3	17.6	14.8	13.8	14.2	13.7	13.2	13.5	12.0	11.1	11.8
26	18.3	17.3	18.0	14.7	13.8	14.0	13.5	12.9	13.4	12.1	10.8	11.9
27	17.9	15.9	16.4	14.4	13.8	14.1	13.3	12.3	13.0	12.2	10.2	11.0
28	16.1	15.3	15.8	14.4	13.7	14.0	13.5	11.9	12.8	10.6	9.8	10.1
29	16.2	15.7	16.0	14.7	13.9	14.1	12.4	11.1	11.6	11.3	10.6	10.9
30	---	---	---	14.7	14.3	14.4	12.0	11.4	11.8	11.8	11.0	11.6
31	---	---	---	15.1	14.5	14.8	---	---	---	11.8	10.1	11.3
Month	19.4	15.3	18.3	16.5	13.7	14.9	15.1	11.1	13.2	12.2	9.4	10.6

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	11.0	10.0	10.7	---	---	---	---	---	---	---	---	---
2	10.8	10.3	10.5	---	---	---	---	---	---	---	---	---
3	12.4	10.6	11.3	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.9	7.8	7.8	7.9	7.7	7.8	7.3	7.3	7.3	8.2	7.0	7.4
2	7.9	7.8	7.8	7.9	7.7	7.8	7.4	7.3	7.3	8.1	7.5	7.8
3	7.9	7.8	7.9	8.0	7.8	7.9	7.4	7.3	7.3	8.3	7.6	8.1
4	7.9	7.8	7.9	7.9	7.8	7.8	7.5	7.3	7.4	8.2	7.8	8.0
5	7.9	7.8	7.8	7.8	7.7	7.7	7.5	7.3	7.4	8.4	7.9	8.2
6	7.8	7.7	7.8	7.8	7.7	7.8	7.4	7.2	7.3	8.3	7.8	8.1
7	7.8	7.6	7.7	7.8	7.6	7.7	7.3	7.1	7.2	8.5	7.6	7.9
8	7.7	7.6	7.7	7.6	7.5	7.6	7.2	7.0	7.1	8.1	7.3	7.8
9	7.7	7.6	7.7	7.7	7.5	7.6	7.1	6.9	7.0	8.1	7.6	7.8
10	7.7	7.5	7.6	7.9	7.5	7.6	7.1	6.9	7.0	8.4	7.5	7.7
11	7.7	7.6	7.6	7.9	7.6	7.7	7.2	6.9	7.1	8.1	7.5	7.8
12	7.6	7.6	7.6	7.9	7.6	7.7	7.2	7.0	7.1	7.7	7.3	7.5
13	7.6	7.6	7.6	7.8	7.4	7.6	7.3	7.1	7.2	8.2	7.3	7.6
14	7.8	7.6	7.7	7.5	7.3	7.4	7.2	7.1	7.1	8.5	7.7	7.8
15	7.8	7.7	7.8	7.5	7.3	7.4	7.2	7.0	7.1	8.3	7.8	8.0
16	7.8	7.7	7.7	7.4	7.3	7.3	7.2	7.1	7.1	8.2	7.9	8.1
17	7.8	7.7	7.8	7.3	7.2	7.3	7.6	7.1	7.1	8.6	7.7	7.8
18	7.7	7.7	7.7	7.4	7.2	7.3	7.8	7.3	7.3	8.4	7.7	8.1
19	7.7	7.6	7.7	7.3	7.2	7.3	7.6	7.2	7.4	8.3	7.6	8.0
20	7.8	7.6	7.7	7.3	7.2	7.3	7.5	7.2	7.3	8.2	7.8	8.0
21	7.7	7.6	7.6	7.7	7.2	7.4	8.0	7.2	7.3	8.2	7.4	7.8
22	7.6	7.5	7.6	7.4	7.3	7.4	7.8	7.3	7.4	8.4	7.5	7.8
23	7.7	7.6	7.6	7.4	7.2	7.3	8.1	7.3	7.6	8.3	7.6	7.9
24	7.6	7.4	7.5	7.4	7.3	7.3	8.0	7.3	7.5	8.1	7.5	7.8
25	7.6	7.4	7.5	7.4	7.2	7.3	7.9	7.2	7.8	8.8	7.3	7.6
26	7.8	7.4	7.6	7.3	7.2	7.3	8.3	7.6	8.0	8.5	7.8	8.1
27	7.7	7.6	7.7	7.3	7.2	7.2	8.3	7.6	8.2	8.5	7.8	8.2
28	7.8	7.6	7.7	7.3	7.2	7.3	7.9	7.3	7.8	8.3	7.6	7.8
29	8.0	7.7	7.8	7.3	7.2	7.3	8.2	7.5	7.7	8.4	7.3	8.0
30	---	---	---	7.3	7.2	7.3	8.1	7.3	7.7	8.4	7.5	8.0
31	---	---	---	7.3	7.3	7.3	---	---	---	8.5	7.4	8.0
Max	8.0	7.8	7.9	8.0	7.8	7.9	8.3	7.6	8.2	8.8	7.9	8.2
Min	7.6	7.4	7.5	7.3	7.2	7.2	7.1	6.9	7.0	7.7	7.0	7.4

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	8.5	7.7	7.9	---	---	---	---	---	---	---	---	---
2	8.7	8.1	8.4	---	---	---	---	---	---	---	---	---
3	8.5	8.0	8.3	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	8.0	7.9	7.9	7.6	7.4	7.5	7.2	7.2	7.2	7.4	6.6	7.0
2	7.9	7.8	7.9	7.6	7.4	7.5	7.3	7.2	7.2	7.4	6.5	7.0
3	7.9	7.8	7.9	7.7	7.4	7.6	7.3	7.2	7.3	8.2	6.5	7.6
4	7.9	7.8	7.8	7.6	7.4	7.6	7.4	7.2	7.3	7.9	6.6	7.5
5	7.9	7.8	7.9	7.5	7.2	7.4	7.3	7.1	7.2	7.3	6.6	6.8
6	7.9	7.8	7.9	7.4	7.1	7.2	7.2	7.0	7.1	7.9	6.7	7.2
7	7.9	7.8	7.8	7.4	6.9	7.3	7.2	6.8	7.1	7.9	6.6	6.9
8	7.9	7.7	7.8	7.3	7.2	7.2	7.1	6.9	7.0	7.8	7.0	7.7
9	7.9	7.7	7.8	7.3	7.1	7.2	7.2	6.8	7.1	8.0	7.4	7.7
10	7.8	7.7	7.8	7.3	6.9	7.1	7.2	7.1	7.2	8.0	6.9	7.5
11	7.8	7.6	7.8	7.0	6.8	6.9	7.4	7.1	7.2	7.9	7.4	7.7
12	7.8	7.6	7.8	7.2	6.8	7.0	7.4	7.0	7.1	7.6	7.2	7.3
13	7.8	7.7	7.8	7.5	6.9	7.1	7.3	7.1	7.2	8.2	7.2	7.6
14	7.8	7.7	7.8	7.5	7.0	7.3	7.4	7.2	7.3	7.7	7.0	7.3
15	7.8	7.6	7.8	7.4	7.0	7.2	7.5	7.2	7.3	7.9	6.7	6.9
16	7.8	7.7	7.8	7.3	7.1	7.2	7.4	7.3	7.3	8.0	7.4	7.9
17	7.8	7.6	7.7	7.3	7.0	7.2	7.7	7.3	7.3	8.1	7.4	7.6
18	7.7	7.6	7.7	7.2	7.0	7.1	7.5	7.1	7.3	8.3	7.4	8.0
19	7.7	7.6	7.6	7.3	6.9	7.2	7.8	7.1	7.4	8.2	7.6	7.8
20	7.7	7.5	7.6	7.2	7.0	7.2	7.6	6.9	7.5	8.2	7.6	7.9
21	7.7	7.6	7.6	7.3	6.9	7.1	8.0	7.1	7.4	7.8	7.1	7.4
22	7.7	7.4	7.6	7.3	6.9	7.2	7.8	7.3	7.6	7.8	7.0	7.4
23	7.4	7.3	7.4	7.5	7.2	7.3	8.0	7.1	7.4	7.7	6.8	7.4
24	7.5	7.3	7.4	7.4	7.2	7.3	7.7	6.8	7.2	7.1	6.6	6.8
25	7.5	7.3	7.5	7.4	7.1	7.3	7.0	6.8	6.9	6.8	6.5	6.7
26	7.6	7.3	7.4	7.3	7.1	7.2	6.9	6.6	6.7	7.1	6.6	6.7
27	7.6	7.4	7.5	7.3	7.1	7.2	7.5	6.6	6.7	8.1	6.7	6.9
28	7.6	7.4	7.5	7.2	7.1	7.2	8.0	6.6	6.7	8.1	7.1	7.5
29	7.7	7.4	7.6	7.2	7.2	7.2	8.3	6.7	7.7	7.2	6.6	6.9
30	---	---	---	7.2	7.2	7.2	8.2	7.0	7.8	6.9	6.6	6.8
31	---	---	---	7.2	7.1	7.2	---	---	---	7.1	6.6	6.8
Max	8.0	7.9	7.9	7.7	7.4	7.6	8.3	7.3	7.8	8.3	7.6	8.0
Min	7.4	7.3	7.4	7.0	6.8	6.9	6.9	6.6	6.7	6.8	6.5	6.7

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.9	23.2	23.6	19.6	18.5	18.9	12.0	11.4	11.7	11.9	11.4	11.6
2	24.2	23.1	23.6	19.2	17.4	18.3	11.5	10.9	11.2	11.4	9.0	10.2
3	24.9	23.7	24.2	17.5	16.6	17.0	12.5	11.5	12.0	9.0	5.8	7.2
4	25.1	24.3	24.7	17.0	16.3	16.7	11.7	9.9	10.8	7.1	5.7	6.7
5	25.4	24.6	25.0	16.9	16.3	16.6	10.1	9.4	9.7	6.5	5.7	6.2
6	25.7	24.9	25.1	16.4	15.4	16.0	9.4	8.1	8.8	7.2	6.0	6.5
7	26.8	25.1	25.4	15.5	13.8	14.8	8.4	7.8	8.0	8.6	6.9	7.5
8	27.0	25.5	26.0	14.1	13.2	13.5	8.7	7.9	8.2	9.2	8.0	8.6
9	27.0	25.9	26.3	13.3	12.8	13.0	9.0	8.4	8.7	10.0	8.6	9.3
10	26.5	25.8	26.1	12.9	12.2	12.7	10.9	8.9	10	10.0	9.6	9.8
11	26.0	24.8	25.6	12.3	11.5	12.0	11.3	9.5	10.7	11.0	9.8	10.5
12	24.8	22.9	23.6	12.3	11.4	11.9	11.6	10.4	11.1	11.3	10.9	11.2
13	22.9	21.7	22.2	12.9	12.0	12.3	12.1	11.4	11.7	11.1	10.8	11.0
14	22.4	21.6	21.9	13.5	12.3	12.8	13.1	11.8	12.4	11.1	10.5	10.9
15	22.1	21.5	21.8	13.8	13.0	13.3	12.3	11.7	11.9	10.5	9.3	10.0
16	22.4	21.5	21.8	13.0	11.7	12.3	12.8	11.8	12.4	9.3	8.2	8.6
17	22.3	21.6	21.8	11.9	11.2	11.6	11.8	10.2	10.8	8.5	8.1	8.3
18	22.8	21.8	22.3	12.1	11.3	11.6	10.2	9.2	9.5	8.3	8.0	8.2
19	23.1	22.6	22.8	12.4	11.6	11.9	9.2	7.9	8.9	8.0	7.4	7.9
20	23.3	22.9	23.1	12.9	12.2	12.5	9.2	8.3	8.8	7.4	6.7	7.1
21	23.1	22.5	22.8	13.5	12.5	13.1	9.1	8.8	8.9	6.7	5.7	6.1
22	22.8	22.3	22.6	14.1	13.1	13.7	9.7	8.9	9.3	6.1	5.6	5.8
23	23.0	22.4	22.7	14.1	13.0	13.7	10.7	9.6	10.1	7.3	6.0	6.6
24	23.9	22.9	23.4	13.0	12.0	12.4	10.9	10.4	10.6	7.2	6.6	7.0
25	23.9	23.5	23.6	12.2	11.8	11.9	10.8	10.4	10.6	6.6	5.5	6.2
26	23.6	23.4	23.5	12.5	11.5	12.0	10.6	10.1	10.4	6.4	5.6	5.9
27	23.5	22.9	23.2	13.2	12.5	12.9	10.3	9.8	10.0	6.0	5.2	5.6
28	22.9	20.8	22.1	13.2	12.7	12.9	10.6	9.8	10.2	6.1	5.0	5.6
29	20.9	19.2	20.0	12.8	12.5	12.7	11.6	10.3	11.0	6.6	5.6	6.1
30	19.9	18.6	19.0	12.6	11.8	12.2	11.7	11.1	11.5	7.7	6.5	7.1
31	19.2	18.4	18.8	---	---	---	12.1	11.6	11.8	7.4	7.0	7.2
Month	27.0	18.4	23.2	19.6	11.2	13.6	13.1	7.8	10.4	11.9	5.0	8.0

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

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	8.4	7.1	7.8	10.2	9.0	9.6	14.6	13.4	13.9	20.8	19.4	20.0
2	8.8	8.2	8.4	10.9	9.7	10.2	15.1	14.5	14.8	20.8	19.4	20.1
3	9.9	8.3	8.8	11.3	10.0	10.7	14.5	14.1	14.2	21.5	20.2	20.8
4	9.7	8.9	9.3	12.8	11.2	11.8	15.4	14.2	14.7	21.8	20.9	21.3
5	10.7	9.6	10.1	14.3	12.4	13.6	16.4	15.2	15.8	22.7	21.6	22.1
6	12.5	10.4	11.4	15.5	14.0	14.5	16.6	16.0	16.3	23.0	21.6	22.1
7	13.5	12.4	13.1	14.9	14.4	14.7	16.0	14.9	15.3	23.4	21.8	22.3
8	13.6	12.8	13.2	15.5	14.6	15.1	14.9	14.4	14.5	22.6	22.2	22.4
9	13.5	12.8	13.2	14.6	12.9	13.7	14.4	14.1	14.2	22.8	22.0	22.4
10	13.2	12.3	12.9	13.7	12.5	13.1	15.3	14.3	14.5	23.4	22.3	22.7
11	12.3	11.3	11.8	14.0	12.4	13.0	16.6	14.4	15.3	22.9	21.5	22.0
12	11.5	10.6	11.0	14.7	13.0	13.7	18.6	16.2	17.3	21.5	18.9	20.4
13	12.7	11.5	12.1	15.0	13.4	14.3	19.1	18.3	18.6	19.1	17.6	18.5
14	12.6	11.9	12.2	14.8	14.0	14.4	18.3	17.3	17.8	20.1	18.3	18.8
15	12.1	11.3	11.8	15.2	14.4	14.8	17.3	16.1	16.6	20.0	19.0	19.5
16	12.2	11.4	11.9	14.9	14.6	14.7	16.2	15.3	15.7	21.0	19.9	20.4
17	11.8	11.0	11.4	14.6	13.4	14.0	16.8	14.9	15.7	21.9	20.4	21.0
18	13.2	11.8	12.5	13.9	12.8	13.4	17.7	15.8	16.3	21.4	20.6	21.1
19	13.2	12.3	12.8	14.8	13.5	14.0	17.9	16.5	17.1	21.6	21.0	21.3
20	12.7	11.9	12.3	15.7	14.8	15.2	17.6	17.1	17.4	22.3	21.2	21.7
21	12.1	10.6	11.3	15.4	14.2	14.6	17.9	17.2	17.5	22.4	21.7	22.0
22	10.7	10.4	10.6	15.1	13.9	14.5	17.9	17.3	17.6	23.0	21.5	22.3
23	10.9	10.3	10.6	15.0	14.1	14.5	18.9	17.6	18.1	22.8	21.9	22.2
24	11.2	10.2	10.6	14.3	13.4	13.9	20.0	18.4	18.8	22.4	21.5	21.8
25	11.2	10.0	10.4	13.7	12.6	13.1	21.2	19.2	19.7	23.8	21.2	21.9
26	11.4	10.6	11.0	13.7	12.8	13.2	21.9	20.1	20.9	23.4	22.2	22.7
27	11.4	10.4	11.1	14.1	12.9	13.5	22.5	20.8	21.6	23.8	22.5	23.1
28	10.4	9.0	9.6	15.3	13.7	14.6	21.8	20.9	21.3	23.4	21.9	22.8
29	10.0	8.6	9.4	15.4	13.9	14.7	21.8	20.5	21.1	22.2	21.3	21.7
30	---	---	---	14.0	12.9	13.3	20.5	19.1	19.7	23.5	21.0	21.8
31	---	---	---	13.5	12.7	13.1	---	---	---	24.1	22.2	23.1
Month	13.6	7.1	11.1	15.7	9.0	13.6	22.5	13.4	17.1	24.1	17.6	21.5

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

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	26.0	23.8	24.7	---	---	---	---	---	---	---	---	---
2	26.4	25.3	25.9	---	---	---	---	---	---	---	---	---
3	26.1	25.3	25.7	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	24.5	24.0	24.3	19.1	18.7	18.9	12.8	11.9	12.5	12.0	11.5	11.7
2	24.3	23.6	24.1	19.2	17.5	18.4	12.6	11.1	11.9	11.5	9.1	10.3
3	24.1	23.8	24.0	17.5	16.7	17.1	12.6	11.7	12.2	9.1	5.7	7.5
4	24.1	23.9	24.0	17.1	16.4	16.7	11.8	10.1	11.0	7.4	6.4	7.0
5	24.5	24.0	24.3	17.0	16.5	16.8	10.3	9.0	9.8	7.2	6.0	6.8
6	24.9	24.5	24.7	16.6	15.5	16.1	9.7	8.2	8.9	7.3	6.2	6.8
7	25.0	24.7	24.8	15.6	13.8	14.8	8.6	8.1	8.4	7.3	7.0	7.2
8	25.7	24.8	25.1	14.1	13.4	13.8	9.0	8.6	8.7	8.0	7.1	7.5
9	26.4	25.2	25.7	13.8	12.8	13.3	9.1	8.8	8.9	9.7	7.6	8.8
10	26.4	25.8	26.0	13.5	12.3	13.0	9.4	9.0	9.2	9.4	8.4	8.9
11	25.9	24.8	25.5	12.3	11.8	12.1	9.6	9.2	9.5	11.1	9.1	10.1
12	24.8	20.8	22.8	12.4	11.9	12.2	11.3	9.6	10.3	11.2	10.7	11.0
13	22.3	21.1	21.8	12.7	12.1	12.4	11.9	11.2	11.5	11.2	10.9	11.0
14	21.9	21.5	21.6	13.2	12.5	12.9	12.0	11.2	11.5	11.2	10.6	11.0
15	21.8	21.4	21.6	13.9	13.1	13.4	12.1	11.4	11.7	10.6	9.3	10.1
16	21.7	21.4	21.5	13.1	11.8	12.4	12.9	11.9	12.5	9.4	7.0	8.4
17	21.9	21.5	21.7	12.1	11.5	11.8	11.9	10.3	10.9	8.4	7.7	8.2
18	22.8	21.8	22.2	12.0	11.4	11.8	10.3	9.3	9.5	8.4	8.0	8.2
19	23.1	22.5	22.8	12.5	11.9	12.2	9.4	9.0	9.2	8.4	7.4	8.2
20	23.2	22.9	23.0	12.6	12.3	12.5	9.4	8.8	9.1	7.6	6.7	7.2
21	22.9	22.3	22.6	12.9	12.5	12.7	9.5	8.9	9.1	6.8	5.6	6.1
22	22.7	22.0	22.4	14.1	12.8	13.5	9.8	9.0	9.4	6.1	5.6	5.9
23	23.0	22.4	22.7	14.2	13.3	13.7	10.8	9.7	10.2	6.5	6.1	6.3
24	23.9	22.9	23.4	13.3	12.3	12.6	10.9	10.5	10.7	7.1	6.4	6.7
25	23.9	23.5	23.6	12.4	12.0	12.2	11.1	10.8	10.9	6.8	5.6	6.3
26	23.6	23.4	23.5	12.6	12.2	12.4	10.8	10.2	10.5	6.6	5.9	6.2
27	23.5	22.9	23.2	13.6	12.5	12.9	10.2	10.0	10.1	6.4	5.7	6.1
28	22.9	20.8	22.1	14.0	13.0	13.4	10.4	10.1	10.2	6.3	5.3	5.9
29	20.9	19.2	20.0	13.0	12.8	12.9	11.6	10.4	11.1	6.6	6.0	6.3
30	19.4	18.4	18.8	13.0	11.9	12.5	11.2	10.8	11.0	7.7	6.5	7.1
31	19.0	18.4	18.8	---	---	---	11.8	11.2	11.6	8.0	7.1	7.4
Month	26.4	18.4	23.0	19.2	11.4	13.7	12.9	8.1	10.4	12.0	5.3	7.9

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	8.4	7.1	7.8	10.3	9.0	9.6	14.5	13.4	13.9	20.0	19.1	19.6
2	8.6	8.2	8.3	10.8	10.0	10.4	15.0	14.4	14.7	20.3	19.6	19.8
3	8.6	8.3	8.5	11.3	10.2	10.7	14.5	14.1	14.2	21.6	19.8	20.7
4	9.0	8.5	8.7	12.7	11.1	11.7	15.3	14.2	14.6	21.5	20.8	21.0
5	10.6	8.9	9.8	13.6	12.4	13.1	15.8	15.2	15.5	21.8	20.6	21.1
6	12.5	10.4	11.3	14.6	13.1	13.8	16.3	15.5	15.9	22.0	21.6	21.8
7	13.3	12.4	13.0	14.8	13.7	14.3	15.9	14.9	15.5	22.7	21.7	21.9
8	13.6	13.0	13.3	15.5	14.5	15.0	15.1	14.3	14.6	22.6	21.7	22.4
9	13.5	12.9	13.3	14.5	12.4	13.2	14.9	14.2	14.6	22.8	21.9	22.4
10	13.3	12.4	12.9	13.2	12.4	13.0	14.5	14.3	14.4	23.1	22.4	22.7
11	12.4	10.3	11.4	13.1	12.7	13.0	15.5	14.4	14.5	22.8	21.5	22.0
12	11.5	10.5	11.0	14.1	13.0	13.3	17.8	14.7	16.1	21.6	18.9	20.4
13	12.7	11.5	12.0	14.8	13.3	14.0	18.4	17.1	17.7	19.0	17.4	18.4
14	12.5	11.7	12.1	14.7	14.0	14.4	18.3	16.5	17.4	18.6	18.4	18.6
15	12.1	11.5	11.9	15.0	13.9	14.4	17.2	16.2	16.6	20.2	18.6	18.9
16	12.1	11.6	11.9	15.0	14.6	14.7	16.3	15.4	15.8	20.8	19.7	20.2
17	11.7	11.2	11.4	14.7	13.7	14.1	16.7	14.9	15.6	21.1	20.0	20.5
18	12.9	11.7	12.3	14.3	13.8	14.0	16.3	15.5	15.8	21.4	20.4	21.0
19	13.0	12.2	12.6	14.8	13.6	14.1	17.7	15.8	16.7	21.7	20.7	21.3
20	12.5	11.9	12.3	15.7	14.7	15.1	17.6	16.3	17.2	22.4	21.3	21.8
21	12.0	11.0	11.4	15.1	13.3	14.1	17.8	17.1	17.3	22.2	21.8	22.0
22	11.2	10.6	11.0	15.1	13.7	14.4	17.8	17.2	17.5	23.0	21.7	22.2
23	11.1	10.8	11.0	15.0	14.1	14.5	18.6	17.6	17.8	22.8	21.9	22.2
24	10.9	10.3	10.6	14.3	13.4	13.9	18.6	17.9	18.2	22.2	21.7	22.0
25	10.7	10.3	10.5	13.6	12.6	13.1	18.5	17.9	18.2	21.9	21.7	21.8
26	11.2	10.6	10.8	13.5	12.8	13.1	18.7	18.1	18.2	22.7	21.8	21.9
27	11.2	10.4	11.0	14.0	13.1	13.5	20.5	18.1	19.0	24.0	21.8	22.6
28	10.4	9.2	9.6	15.2	13.6	14.6	21.2	18.6	19.6	23.5	21.9	22.8
29	9.7	8.8	9.3	15.4	14.0	14.7	21.2	20.3	20.9	22.0	21.4	21.9
30	---	---	---	14.1	12.9	13.3	20.6	18.7	19.4	22.3	21.6	21.8
31	---	---	---	13.4	12.8	13.1	---	---	---	23.9	21.7	22.2
Month	13.6	7.1	11.1	15.7	9.0	13.5	21.2	13.4	16.6	24.0	17.4	21.3

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	24.2	23.3	23.6	---	---	---	---	---	---	---	---	---
2	25.8	23.6	24.7	---	---	---	---	---	---	---	---	---
3	25.0	23.5	23.9	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	7.0	6.3	6.7	8.4	8.0	8.2	9.7	9.4	9.6	10.0	9.4	9.8
2	7.7	6.3	6.9	8.0	7.6	7.7	9.8	9.4	9.6	10.1	9.4	9.8
3	---	---	---	8.1	7.7	7.9	9.5	9.1	9.3	11.3	9.8	10.7
4	---	---	---	8.4	7.6	7.9	9.8	9.1	9.5	11.6	10.7	11.1
5	---	---	---	8.3	7.7	8.0	10.0	9.5	9.8	11.7	11.0	11.4
6	---	---	---	8.1	7.8	8.0	10.4	9.7	10.1	11.7	11.1	11.5
7	---	---	---	8.5	7.8	8.1	10.8	10.2	10.5	11.7	11.2	11.4
8	---	---	---	8.6	8.2	8.4	11.1	10.4	10.8	11.6	11.1	11.3
9	---	---	---	8.8	8.4	8.6	11.2	10.5	10.9	11.6	10.9	11.2
10	---	---	---	8.8	8.4	8.6	11.1	10.7	10.9	11.3	10.9	11.1
11	---	---	---	9.0	8.5	8.7	11.0	10.4	10.8	11.2	10.4	10.7
12	---	---	---	9.2	8.6	8.9	10.8	10.4	10.5	10.6	10.2	10.4
13	---	---	---	---	---	---	10.4	10.0	10.2	10.6	9.9	10.3
14	---	---	---	---	---	---	10.3	9.9	10.1	10.7	9.9	10.3
15	---	---	---	9.3	8.9	9.0	---	---	---	10.8	10.0	10.5
16	---	---	---	9.3	8.8	9.1	---	---	---	10.8	10.4	10.6
17	---	---	---	9.8	9.1	9.5	---	---	---	10.6	10.3	10.5
18	7.2	6.4	6.7	10.2	9.4	9.8	---	---	---	10.8	10.4	10.6
19	6.9	5.9	6.5	10.2	9.2	9.9	---	---	---	10.8	10.6	10.6
20	7.2	6.5	6.8	10.2	10.0	10.1	---	---	---	11.2	10.6	10.9
21	7.4	6.6	7.0	10.2	9.8	10	10.2	9.8	10.1	11.6	10.9	11.2
22	7.3	6.7	7.1	9.8	9.0	9.4	10.5	9.8	10.2	11.7	11.2	11.5
23	7.0	6.6	6.8	9.4	8.8	9.2	10.3	9.9	10.2	11.7	11.4	11.6
24	7.3	6.5	6.8	9.5	9.0	9.2	10.3	9.9	10.1	11.6	11.3	11.5
25	7.0	6.6	6.8	9.3	8.9	9.1	10.2	9.7	10	11.6	11.2	11.4
26	6.9	6.3	6.7	9.4	8.9	9.2	10.0	9.5	9.8	11.6	11.2	11.5
27	7.2	6.6	6.8	9.1	8.8	9.0	10.3	9.7	10	11.8	11.3	11.6
28	7.8	6.8	7.2	9.6	8.9	9.2	10.2	9.7	10.0	11.8	11.5	11.7
29	8.2	7.4	7.8	9.6	9.1	9.3	10.0	9.6	9.8	11.8	11.3	11.6
30	8.8	7.8	8.2	9.8	8.9	9.4	10.1	9.7	9.9	11.5	11.3	11.4
31	8.8	8.0	8.4	---	---	---	10.1	9.7	9.9	11.5	11.3	11.4
Month	---	---	---	---	---	---	---	---	---	11.8	9.4	11.0

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.3	11.0	11.2	11.2	10.4	10.8	8.7	8.5	8.6	---	---	---
2	11.3	10.9	11.1	11.5	10.8	11.1	8.7	8.5	8.6	---	---	---
3	11.5	11.0	11.2	11.6	11.1	11.3	8.8	8.6	8.7	---	---	---
4	11.4	11.1	11.3	11.1	10.2	10.8	9.1	8.5	8.8	---	---	---
5	11.3	10.7	11.1	10.3	9.9	10.1	8.9	8.5	8.7	---	---	---
6	10.8	10.1	10.6	10.4	9.8	10.1	8.7	8.2	8.5	---	---	---
7	10.2	9.8	10	10.1	9.4	9.7	8.5	8.2	8.4	---	---	---
8	10.0	9.6	9.9	9.4	9.0	9.2	8.7	8.3	8.5	---	---	---
9	9.9	9.5	9.7	10.1	9.0	9.5	9.3	8.4	8.7	---	---	---
10	9.7	9.4	9.5	11.0	9.3	9.9	8.9	7.7	8.6	---	---	---
11	9.9	9.4	9.6	11.2	9.9	10.4	8.8	7.7	8.4	---	---	---
12	10.0	9.6	9.8	10.8	9.8	10.3	8.4	7.8	8.2	---	---	---
13	9.9	9.6	9.7	10.5	9.2	9.9	8.4	7.8	8.0	---	---	---
14	9.7	9.2	9.5	9.3	8.5	8.9	8.2	8.0	8.1	---	---	---
15	9.5	9.1	9.3	9.0	8.4	8.6	8.5	7.9	8.2	---	---	---
16	9.4	9.1	9.3	8.6	8.3	8.5	8.9	8.3	8.6	---	---	---
17	9.6	9.3	9.5	8.7	8.3	8.5	9.9	8.5	9.0	---	---	---
18	9.4	9.1	9.3	9.0	8.6	8.8	10.6	9.1	9.5	---	---	---
19	9.4	9.0	9.2	8.7	8.3	8.5	9.9	8.8	9.4	---	---	---
20	9.5	9.0	9.1	8.4	8.1	8.2	9.2	8.5	8.9	8.5	7.3	7.9
21	9.7	9.1	9.5	9.7	8.0	8.7	10.8	8.2	8.9	8.3	6.4	7.3
22	9.8	9.3	9.6	8.9	8.5	8.7	10.2	8.6	9.2	8.8	6.3	7.6
23	10.1	9.6	9.8	9.0	8.4	8.6	11.2	8.5	9.6	9.1	6.8	7.6
24	10.2	9.5	9.8	8.8	8.5	8.6	11.0	8.8	9.5	8.4	6.5	7.2
25	10.2	8.9	9.8	9.2	8.5	8.7	10.3	8.0	9.6	11.6	5.7	7.4
26	10.6	8.4	9.5	8.9	8.5	8.8	11.0	9.2	10.0	9.9	7.3	8.3
27	10.3	9.6	9.9	8.7	8.4	8.6	11.4	8.1	9.5	9.7	7.3	8.4
28	10.6	10.1	10.4	8.5	8.1	8.4	8.6	6.9	8.1	8.9	7.6	8.1
29	11.7	10.4	10.9	8.3	8.1	8.2	10.0	7.5	8.2	10.5	6.6	8.6
30	---	---	---	8.5	8.2	8.4	---	---	---	10.8	7.0	9.0
31	---	---	---	8.7	8.4	8.6	---	---	---	11.0	7.1	9.0
Month	11.7	8.4	10.0	11.6	8.0	9.3	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	11.0	8.3	9.4	---	---	---	---	---	---	---	---	---
2	11.7	9.0	10.4	---	---	---	---	---	---	---	---	---
3	11.0	8.6	9.8	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	2.2	0.2	1.3	---	---	---	---	---	---	9.3	8.0	8.9
2	2.5	0.1	1.2	---	---	---	---	---	---	9.5	9.0	9.3
3	4.9	0.1	2.2	---	---	---	---	---	---	10.7	9.4	10.1
4	3.9	2.2	2.9	---	---	---	---	---	---	10.7	9.9	10.2
5	3.7	2.2	3.0	---	---	---	---	---	---	10.4	9.8	10.0
6	4.9	2.1	3.5	---	---	---	---	---	---	10.4	9.4	9.9
7	4.6	1.5	3.2	---	---	---	---	---	---	10.1	9.2	9.8
8	6.0	0.8	3.3	---	---	---	---	---	---	10.1	9.2	9.7
9	6.5	2.0	4.1	---	---	---	---	---	---	10.3	8.9	9.7
10	6.2	4.5	5.5	---	---	---	---	---	---	10.0	9.0	9.6
11	6.3	5.3	5.7	---	---	---	---	---	---	9.9	9.0	9.5
12	6.9	5.7	6.1	---	---	---	---	---	---	9.6	8.9	9.3
13	6.5	5.7	6.1	---	---	---	---	---	---	9.8	9.2	9.5
14	6.4	5.6	6.0	---	---	---	---	---	---	9.8	9.3	9.5
15	6.3	5.6	6.1	9.1	7.4	8.5	---	---	---	9.9	9.4	9.6
16	6.4	5.7	6.2	9.2	8.7	8.9	---	---	---	10.0	9.6	9.8
17	6.9	5.6	6.3	9.6	8.7	9.2	---	---	---	9.8	9.4	9.6
18	7.2	5.5	6.5	9.6	8.1	8.9	---	---	---	9.6	9.3	9.5
19	6.9	5.9	6.5	9.6	7.6	8.2	---	---	---	9.9	9.1	9.5
20	7.1	6.1	6.7	8.9	7.9	8.3	---	---	---	10.2	9.7	9.9
21	7.0	6.0	6.7	8.6	7.5	8.0	10.1	9.2	9.8	10.6	10.0	10.3
22	7.4	5.2	6.4	9.3	6.4	8.1	10.2	9.9	10.0	10.5	10.1	10.4
23	7.2	5.8	6.8	9.3	7.9	9.0	10.0	9.6	9.9	10.5	10.0	10.3
24	7.4	6.4	6.9	9.5	9.1	9.3	9.8	9.2	9.7	10.6	9.8	10.2
25	7.1	6.2	6.7	9.3	8.5	9.0	9.6	8.8	9.3	10.6	10.3	10.4
26	6.9	6.4	6.6	8.8	7.3	8.4	9.6	9.3	9.5	10.5	10.0	10.3
27	6.9	6.5	6.7	9.2	7.5	8.4	9.6	9.1	9.4	10.7	9.9	10.3
28	7.8	6.6	7.2	---	---	---	9.6	8.8	9.1	10.8	10.3	10.7
29	8.2	7.4	7.7	---	---	---	9.5	8.7	9.3	10.7	10.2	10.5
30	8.1	7.6	7.9	---	---	---	9.2	7.8	8.5	10.6	10.3	10.5
31	8.5	7.2	7.9	---	---	---	9.5	8.1	8.9	10.7	10.2	10.5
Month	8.5	0.1	5.5	---	---	---	---	---	---	10.8	8.0	9.9

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	10.6	10.3	10.5	11.1	10.1	10.6	8.9	8.5	8.6	---	---	---
2	10.5	9.9	10.2	10.9	9.9	10.4	9.2	8.3	8.6	---	---	---
3	10.5	9.5	10.2	11.4	9.8	10.6	9.0	8.5	8.7	---	---	---
4	10.0	9.4	9.6	10.9	10.0	10.6	9.2	8.4	8.8	---	---	---
5	10.4	9.5	10.1	10.1	9.0	9.7	9.0	8.0	8.5	---	---	---
6	10.1	9.7	10	10.0	8.8	9.3	8.5	7.9	8.2	---	---	---
7	9.7	9.1	9.4	9.8	7.9	9.2	8.5	6.7	7.8	---	---	---
8	9.6	8.3	9.1	9.6	9.0	9.4	8.6	7.4	8.2	---	---	---
9	9.5	8.4	9.2	10.3	9.3	9.6	8.6	6.4	7.6	---	---	---
10	9.3	8.9	9.1	10.2	8.8	9.4	8.0	7.5	7.8	---	---	---
11	9.2	8.6	9.0	9.6	8.6	9.1	8.3	7.1	7.7	---	---	---
12	9.8	8.7	9.3	11.2	8.2	9.6	8.3	6.7	7.5	---	---	---
13	9.6	9.0	9.4	11.2	7.6	9.4	8.1	6.8	7.4	---	---	---
14	9.5	9.2	9.3	9.5	8.3	8.9	8.1	7.3	7.7	---	---	---
15	9.6	8.5	9.2	9.1	8.0	8.5	8.7	7.9	8.1	---	---	---
16	9.6	8.9	9.4	8.8	8.2	8.6	8.7	8.2	8.4	---	---	---
17	9.7	9.2	9.5	9.1	7.9	8.6	9.5	8.2	8.7	---	---	---
18	9.6	9.2	9.4	8.7	7.6	8.3	9.2	7.6	8.3	---	---	---
19	9.5	9.0	9.2	9.1	7.1	8.4	9.6	6.8	8.6	---	---	---
20	9.6	8.8	9.1	8.7	7.9	8.4	9.0	5.4	8.3	7.4	3.4	5.2
21	9.7	9.2	9.4	8.7	7.3	8.2	10.1	6.6	8.3	4.9	1.7	3.6
22	9.6	8.8	9.3	9.0	7.3	8.5	9.2	7.9	8.6	5.4	1.6	3.6
23	9.1	8.5	8.8	9.1	8.1	8.7	10.1	6.7	8.0	4.9	1.0	3.2
24	9.6	8.5	8.9	9.0	8.4	8.7	9.0	4.9	6.9	2.8	0.0	1.3
25	9.7	8.6	9.2	9.2	8.1	8.7	6.6	4.0	5.1	0.8	0.0	0.2
26	10.1	8.4	9.0	9.1	8.2	8.8	5.2	0.3	3.0	2.9	0.0	0.1
27	10.1	8.8	9.7	9.1	8.2	8.7	6.6	0.2	2.2	6.0	0.0	2.4
28	11.0	9.9	10.3	9.0	7.9	8.4	8.3	0.2	2.3	5.5	2.4	4.2
29	11.7	10.2	10.7	8.6	8.2	8.4	9.6	1.7	7.1	3.0	0.0	1.3
30	---	---	---	8.8	8.2	8.5	---	---	---	1.4	0.0	0.3
31	---	---	---	8.8	8.2	8.6	---	---	---	3.3	0.1	0.5
Month	11.7	8.3	9.5	11.4	7.1	9.1	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	4.3	0.1	2.3	---	---	---	---	---	---	---	---	---
2	6.0	0.1	2.0	---	---	---	---	---	---	---	---	---
3	2.3	0.1	0.2	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	92	82	87	101	95	98	101	97	99	104	98	102
2	101	81	90	96	88	91	101	96	98	100	96	99
3	---	---	---	94	88	91	98	95	97	104	96	100
4	---	---	---	96	86	90	98	94	96	106	100	103
5	---	---	---	95	88	91	99	95	97	107	101	104
6	---	---	---	92	88	90	101	95	98	109	102	106
7	---	---	---	93	86	90	103	97	100	112	105	108
8	---	---	---	93	87	90	107	99	103	114	108	110
9	---	---	---	94	88	90	109	102	106	116	107	111
10	---	---	---	92	88	90	112	106	109	113	108	111
11	---	---	---	94	88	91	112	103	110	112	106	109
12	---	---	---	96	88	92	111	105	107	109	104	107
13	---	---	---	---	---	---	109	104	106	109	101	105
14	---	---	---	---	---	---	110	104	106	109	101	105
15	---	---	---	99	94	96	---	---	---	108	96	105
16	---	---	---	97	92	95	---	---	---	105	100	103
17	---	---	---	101	93	97	---	---	---	103	99	101
18	92	81	86	106	96	101	---	---	---	104	100	102
19	89	76	84	107	95	103	---	---	---	102	101	101
20	94	84	88	108	104	106	---	---	---	105	99	102
21	96	85	90	109	103	106	100	96	98	106	99	102
22	94	86	91	105	96	101	104	96	101	107	101	104
23	91	84	88	101	95	99	105	101	103	110	104	107
24	96	84	89	100	94	97	105	100	103	109	104	107
25	92	86	89	96	92	94	104	99	101	107	101	104
26	90	82	87	98	92	95	101	97	99	105	102	104
27	93	86	88	97	93	95	104	97	100	107	101	105
28	98	86	91	103	94	98	104	97	101	107	103	105
29	101	91	95	102	96	99	104	97	101	108	104	106
30	106	93	98	102	93	98	105	100	102	109	105	106
31	106	95	100	---	---	---	106	101	103	108	105	107
Month	---	---	---	---	---	---	---	---	---	116	96	105

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	108	105	107	110	100	105	94	89	91	---	---	---
2	110	105	107	115	105	109	95	92	93	---	---	---
3	114	106	109	117	109	113	94	92	93	---	---	---
4	113	108	111	113	106	110	99	91	95	---	---	---
5	114	108	111	108	104	106	99	93	96	---	---	---
6	111	107	109	114	105	109	96	91	94	---	---	---
7	109	104	107	110	102	105	92	89	91	---	---	---
8	108	103	106	102	97	101	92	87	90	---	---	---
9	107	101	104	107	96	100	97	88	91	---	---	---
10	104	100	102	116	97	103	94	83	91	---	---	---
11	103	97	100	117	102	108	96	84	92	---	---	---
12	103	98	101	116	102	109	94	90	93	---	---	---
13	105	100	102	112	97	106	97	90	93	---	---	---
14	102	96	99	100	91	95	94	90	92	---	---	---
15	99	94	97	98	90	93	94	87	91	---	---	---
16	99	94	97	93	89	92	98	90	93	---	---	---
17	99	95	98	93	88	90	110	91	98	---	---	---
18	98	96	98	95	89	92	120	99	104	---	---	---
19	99	95	96	93	88	90	112	98	105	---	---	---
20	100	93	95	92	88	89	104	96	100	102	89	96
21	99	93	96	106	86	94	123	92	101	102	77	89
22	97	92	95	96	91	93	116	97	104	109	76	93
23	100	95	97	98	90	92	130	96	110	112	83	92
24	101	92	97	94	90	92	130	101	110	103	78	87
25	102	89	96	97	87	91	121	94	113	146	68	90
26	108	85	96	93	88	91	133	109	121	123	89	103
27	104	96	100	93	88	90	141	97	116	122	90	105
28	103	98	101	91	88	89	104	83	98	111	93	100
29	113	100	105	90	88	89	120	87	99	128	80	105
30	---	---	---	89	86	88	---	---	---	134	86	109
31	---	---	---	91	87	89	---	---	---	139	87	112
Month	114	85	101	117	86	98	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	144	105	121	---	---	---	---	---	---	---	---	---
2	154	117	136	---	---	---	---	---	---	---	---	---
3	144	111	127	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
October			November			December			January			
1	29	3	18	---	---	---	---	---	---	97	83	93
2	33	1	16	---	---	---	---	---	---	95	93	94
3	65	1	30	---	---	---	---	---	---	98	92	95
4	52	29	39	---	---	---	---	---	---	99	93	96
5	49	29	40	---	---	---	---	---	---	95	91	93
6	66	28	47	---	---	---	---	---	---	96	89	92
7	62	20	43	---	---	---	---	---	---	95	86	92
8	81	11	45	---	---	---	---	---	---	95	88	92
9	89	27	56	---	---	---	---	---	---	102	85	95
10	85	61	74	---	---	---	---	---	---	99	88	94
11	85	69	77	---	---	---	---	---	---	101	89	96
12	86	73	79	---	---	---	---	---	---	99	91	96
13	83	72	77	---	---	---	---	---	---	101	94	97
14	81	70	75	---	---	---	---	---	---	101	95	98
15	80	71	76	97	79	91	---	---	---	101	94	97
16	81	72	78	96	92	94	---	---	---	96	92	94
17	88	71	80	99	90	95	---	---	---	94	90	93
18	92	70	83	99	84	92	---	---	---	93	89	92
19	89	76	84	100	76	85	---	---	---	94	88	92
20	92	79	86	94	83	88	---	---	---	96	91	93
21	90	77	86	91	80	85	99	91	97	96	92	94
22	95	66	82	100	68	87	101	97	99	96	92	94
23	93	74	88	100	86	97	102	96	100	97	92	94
24	97	83	90	100	95	97	100	94	98	99	91	95
25	93	81	87	97	89	94	98	90	95	98	93	96
26	90	83	87	93	77	89	97	95	96	97	92	94
27	90	85	87	99	79	89	97	92	94	98	91	94
28	99	84	91	---	---	---	97	89	92	99	94	97
29	100	90	95	---	---	---	99	88	96	98	94	97
30	98	91	94	---	---	---	94	80	88	100	97	98
31	101	86	95	---	---	---	99	84	92	101	96	99
Month	101	1	70	---	---	---	---	---	---	102	83	95

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	101	98	100	109	97	103	95	89	92	---	---	---
2	101	95	98	108	98	103	100	89	93	---	---	---
3	102	92	99	115	97	106	96	91	93	---	---	---
4	97	91	94	111	104	108	100	90	95	---	---	---
5	105	94	101	105	95	102	99	88	94	---	---	---
6	106	100	103	108	93	100	94	87	90	---	---	---
7	103	97	101	106	84	99	93	74	85	---	---	---
8	104	89	98	104	99	102	92	80	87	---	---	---
9	103	90	99	108	98	101	91	69	81	---	---	---
10	100	95	97	106	92	99	86	80	83	---	---	---
11	96	88	93	100	90	95	90	77	83	---	---	---
12	101	88	96	119	86	101	95	74	83	---	---	---
13	102	90	98	119	80	100	93	77	85	---	---	---
14	100	96	98	102	89	95	91	82	87	---	---	---
15	100	89	96	98	85	91	97	87	90	---	---	---
16	101	93	98	95	88	93	96	89	92	---	---	---
17	100	95	98	97	85	91	106	89	95	---	---	---
18	100	97	99	92	81	88	101	83	90	---	---	---
19	100	94	97	97	75	89	108	74	95	---	---	---
20	101	92	95	95	86	92	101	60	94	90	42	63
21	100	94	96	93	77	87	115	74	94	60	21	43
22	97	89	94	96	77	91	104	89	97	66	20	44
23	92	86	89	99	86	93	116	77	91	60	12	40
24	96	86	90	96	89	92	104	56	80	34	0	16
25	97	87	92	96	84	90	76	46	59	10	0	2
26	103	85	92	95	85	92	60	3	34	36	0	2
27	102	89	98	96	87	92	79	2	26	75	0	30
28	107	96	100	96	85	90	101	2	27	68	29	52
29	113	99	103	92	88	90	116	20	86	37	0	16
30	---	---	---	92	87	89	---	---	---	17	0	3
31	---	---	---	93	85	90	---	---	---	42	1	6
Month	113	85	97	119	75	95	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	54	1	29	---	---	---	---	---	---	---	---	---
2	78	1	26	---	---	---	---	---	---	---	---	---
3	30	1	3	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---