

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18

LOCATION.--Lat 35°31'05", long 76°29'47", Hyde County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 18.

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.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. 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. 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 dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm Hg. Dissolved oxygen, minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation, minimum extremes are reported as <10%.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	18.5, October 11, 2002	0.3, August 17, 23, 2003
SALINITY (BOTTOM), ppt	20.5 October 25, 26, 2002	0.3, August 17, 23, 2003
pH (TOP), standard units	8.5, July 17, 2002	5.5, August 23, 2003
pH (BOTTOM), standard units	8.2, on several days during the period	5.5, August 23, 2003
WATER TEMPERATURE (TOP), °C	32.2, July 31, 2002	0.2, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	30.8, July 31, 2002	0.4, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	13.6, February 9, 2003	3.5, August 7, 2002
DISSOLVED OXYGEN (BOTTOM), mg/L	13.1, January 25, 2003	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	18.5, October 11	0.3, August 17, 23
SALINITY (BOTTOM), ppt	20.5, October 25, 26	0.3, August 17, 23
pH (TOP), standard units	8.4, December 28, January 3	5.5, August 23
pH (BOTTOM), standard units	8.2, on several days during the year	5.5, August 23
WATER TEMPERATURE (TOP), °C	31.5, August 28	0.2, January 25
WATER TEMPERATURE (BOTTOM), °C	30.3, July 10, August 29, 30	0.4, January 24
DISSOLVED OXYGEN (TOP), mg/L	13.6, February 9	4.1, August 16
DISSOLVED OXYGEN (BOTTOM), mg/L	13.1, January 25	<1.0, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	116, March 22, 23	53, August 16
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	101, February 19, 25	<10, on several days during the year

## PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.1	17.8	18.0	17.7	17.5	17.7	13.5	13.1	13.3	13.6	12.8	13.2
2	18.0	17.8	17.9	17.7	17.5	17.6	13.5	13.1	13.4	---	---	---
3	17.9	17.8	17.9	17.9	17.5	17.7	13.8	13.3	13.5	---	---	---
4	17.9	17.8	17.9	17.9	17.7	17.8	13.5	12.0	12.7	13.1	12.4	12.8
5	18.0	17.9	17.9	18.0	17.7	17.9	13.6	13.0	13.3	13.5	12.4	13.0
6	18.1	17.9	18.0	18.1	17.8	17.9	13.3	12.4	12.9	13.3	12.3	12.9
7	18.1	17.9	18.0	17.9	17.1	17.8	13.3	12.2	12.8	12.5	12.0	12.3
8	18.3	17.9	18.1	17.7	17.5	17.6	13.2	12.4	12.7	12.6	11.7	12.2
9	18.3	18.1	18.3	17.7	17.5	17.6	13.0	12.2	12.6	12.7	12.2	12.4
10	18.4	18.2	18.3	17.7	17.5	17.6	13.0	11.9	12.6	12.6	11.8	12.2
11	18.5	18.2	18.4	17.9	17.0	17.5	13.0	12.2	12.5	12.4	10.3	11.4
12	18.2	17.2	17.7	17.7	16.6	17.2	13.0	12.6	12.8	11.8	9.8	10.8
13	17.8	16.6	17.4	16.8	15.5	16.0	13.8	12.8	13.3	---	---	---
14	17.8	16.9	17.3	17.0	15.7	16.2	14.1	13.1	13.7	---	---	---
15	18.1	17.3	17.6	16.8	15.7	16.3	13.5	13.3	13.4	---	---	---
16	18.4	17.7	17.9	16.8	16.1	16.4	13.6	13.3	13.5	11.3	11.0	11.2
17	18.2	17.3	17.8	17.0	14.3	16.2	13.5	12.3	12.6	11.3	11.1	11.3
18	17.7	16.5	17.2	15.7	14.2	15.2	12.8	12.3	12.5	11.7	11.0	11.3
19	17.6	16.9	17.2	15.8	14.7	15.3	13.9	12.5	12.9	11.6	10.9	11.3
20	17.4	16.9	17.1	15.5	13.8	15.2	15.1	13.1	13.9	11.6	11.0	11.1
21	17.4	15.7	16.5	15.5	13.8	14.6	14.0	13.6	13.7	11.8	11.1	11.5
22	16.6	15.9	16.1	15.1	14.0	14.7	14.0	13.5	13.8	11.7	10.5	11.1
23	16.5	16.0	16.2	14.9	14.3	14.5	13.9	13.5	13.8	11.8	11.1	11.5
24	17.2	16.1	16.7	14.9	14.7	14.8	14.1	13.0	13.6	---	---	---
25	17.6	17.1	17.4	14.8	14.4	14.7	13.7	13.1	13.4	---	---	---
26	17.7	17.5	17.5	14.7	13.1	13.9	13.5	13.1	13.3	11.3	10.5	10.9
27	17.6	17.3	17.4	13.6	12.2	12.8	13.5	13.0	13.3	11.5	10.1	10.8
28	17.6	17.4	17.5	13.0	12.2	12.6	13.5	11.5	12.7	11.7	10.4	11.2
29	17.8	17.5	17.7	13.5	12.4	13.1	13.3	12.4	12.9	11.5	10.7	11.0
30	17.7	17.5	17.7	13.8	13.1	13.3	13.6	12.2	12.7	11.5	10.9	11.3
31	17.7	17.5	17.6	---	---	---	13.4	12.4	12.9	11.3	10.6	10.9
MONTH	18.5	15.7	17.6	18.1	12.2	15.9	15.1	11.5	13.1	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.5	10.8	11.0	9.0	8.1	8.6	7.5	6.5	7.0	4.5	4.1	4.3
2	11.6	11.0	11.3	9.2	8.5	9.0	7.0	6.1	6.5	4.3	3.1	3.6
3	11.7	11.1	11.4	9.4	8.8	9.1	6.8	4.8	6.1	4.3	3.0	3.8
4	12.5	10.9	11.7	9.3	8.7	9.0	6.0	5.3	5.7	4.2	3.6	3.9
5	11.7	11.2	11.5	9.6	9.0	9.3	5.8	5.0	5.5	4.1	3.7	3.9
6	11.8	11.2	11.5	9.5	8.9	9.2	6.1	4.4	5.7	4.1	3.8	3.9
7	11.5	10.6	11.4	9.8	7.9	9.1	6.0	5.1	5.2	3.9	3.7	3.8
8	11.6	10.9	11.3	8.7	7.0	7.8	5.6	4.7	5.0	3.9	3.0	3.4
9	11.5	10.5	11.1	8.4	7.3	7.8	5.7	5.4	5.6	3.7	3.2	3.6
10	11.7	10.6	11.2	8.3	7.0	7.8	6.4	5.1	5.8	3.6	3.3	3.4
11	12.0	11.4	11.6	8.3	7.6	8.1	5.5	4.9	5.2	3.5	2.7	3.2
12	11.6	11.2	11.4	8.2	7.7	8.0	5.3	4.5	4.9	3.1	2.4	2.6
13	11.7	11.2	11.4	8.0	7.8	8.0	4.9	3.2	4.2	3.2	2.4	2.8
14	11.4	10.7	11.2	9.0	8.0	8.5	4.6	3.6	4.0	2.8	2.2	2.6
15	11.2	9.8	10.7	8.2	7.2	7.8	5.0	4.1	4.5	2.9	2.5	2.7
16	11.0	8.7	10.2	8.5	7.9	8.2	4.8	4.0	4.4	2.8	2.0	2.5
17	8.9	7.1	8.3	8.3	6.7	7.8	4.4	4.1	4.3	2.9	2.5	2.7
18	9.2	7.4	8.0	8.4	7.7	8.2	4.3	3.6	4.0	3.5	2.5	3.2
19	10.6	8.3	9.5	9.1	8.3	8.6	4.3	3.5	4.0	3.5	3.3	3.3
20	10.7	8.5	9.8	8.8	8.6	8.7	4.2	3.3	3.7	3.5	3.2	3.4
21	10.4	9.0	9.7	8.8	8.4	8.6	4.1	3.6	3.9	3.5	3.1	3.4
22	11.8	9.8	10.6	8.5	7.0	8.0	4.1	4.0	4.1	3.7	3.4	3.5
23	---	---	---	8.0	5.4	7.0	4.2	4.0	4.1	3.8	3.5	3.7
24	---	---	---	7.4	6.5	7.1	4.2	3.9	4.1	3.8	2.9	3.4
25	10.5	10.1	10.3	7.6	6.9	7.3	4.1	3.7	3.9	3.3	2.9	3.2
26	10.4	8.9	9.7	7.7	7.4	7.6	4.1	3.9	4.0	3.4	2.3	3.0
27	9.8	8.6	9.4	7.9	7.4	7.6	4.3	3.7	3.9	3.0	2.5	2.9
28	9.7	8.2	8.8	8.0	7.7	7.9	4.3	3.9	4.0	2.9	2.3	2.6
29	---	---	---	8.1	7.8	8.0	4.3	4.1	4.2	2.7	2.3	2.6
30	---	---	---	8.0	6.9	7.7	4.3	3.9	4.2	2.4	2.2	2.3
31	---	---	---	7.5	6.5	7.1	---	---	---	2.4	1.6	2.2
MONTH	---	---	---	9.8	5.4	8.1	7.5	3.2	4.7	4.5	1.6	3.2

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.1	1.5	1.9	1.3	1.1	1.2	0.8	0.6	0.7	0.6	0.6	0.6
2	2.1	1.4	1.8	1.6	1.3	1.4	0.7	0.6	0.7	0.6	0.6	0.6
3	2.3	2.0	2.1	1.6	1.0	1.2	0.7	0.7	0.7	0.7	0.6	0.6
4	2.3	1.7	2.0	1.3	1.0	1.2	0.7	0.6	0.7	0.7	0.6	0.6
5	1.9	1.7	1.8	1.2	0.9	1.1	0.7	0.6	0.7	0.7	0.6	0.7
6	2.0	1.7	1.9	1.2	1.0	1.1	0.7	0.7	0.7	0.7	0.6	0.6
7	2.0	1.2	1.9	1.3	1.0	1.2	0.7	0.6	0.7	0.9	0.7	0.8
8	1.7	1.2	1.6	1.2	0.9	1.1	0.7	0.6	0.7	1.0	0.8	0.9
9	1.6	1.2	1.4	1.2	1.1	1.2	0.7	0.6	0.6	1.3	0.9	1.1
10	1.6	1.3	1.5	1.3	1.1	1.2	0.7	0.4	0.5	1.5	1.1	1.3
11	1.6	1.2	1.5	1.3	1.0	1.1	0.6	0.4	0.5	1.5	1.3	1.4
12	1.5	1.2	1.4	1.2	1.1	1.1	0.6	0.5	0.5	2.1	1.5	1.8
13	1.5	1.2	1.3	1.2	1.1	1.2	0.5	0.4	0.4	2.0	1.9	2.0
14	1.4	1.1	1.3	1.2	1.1	1.1	0.5	0.4	0.5	2.1	1.9	2.0
15	1.4	1.1	1.3	1.2	1.1	1.1	0.5	0.4	0.4	---	---	---
16	1.6	1.2	1.4	1.2	0.7	1.1	0.5	0.4	0.4	---	---	---
17	1.8	1.3	1.5	1.1	0.9	1.0	0.4	0.3	0.4	---	---	---
18	1.8	1.4	1.6	1.1	1.0	1.1	0.5	0.4	0.4	---	---	---
19	1.4	1.2	1.4	1.1	0.7	0.9	0.5	0.4	0.5	---	---	---
20	1.5	1.2	1.3	1.0	0.9	0.9	0.5	0.4	0.4	---	---	---
21	1.3	1.2	1.3	0.9	0.8	0.9	0.5	0.4	0.4	---	---	---
22	1.3	1.2	1.2	0.9	0.7	0.8	0.5	0.4	0.4	7.0	5.8	6.5
23	1.4	1.2	1.3	0.9	0.6	0.7	0.6	0.3	0.4	6.9	5.8	6.5
24	1.4	1.2	1.3	0.8	0.7	0.7	0.5	0.4	0.5	6.5	4.6	5.7
25	1.6	1.3	1.4	0.8	0.7	0.7	0.6	0.5	0.5	5.9	5.2	5.6
26	1.4	1.1	1.2	0.8	0.8	0.8	0.5	0.4	0.5	5.9	5.4	5.6
27	1.2	0.9	1.1	0.8	0.6	0.7	0.5	0.5	0.5	6.0	5.5	5.8
28	1.2	1.1	1.2	0.7	0.6	0.6	0.6	0.4	0.5	5.9	5.5	5.6
29	1.2	1.0	1.1	0.7	0.6	0.7	0.5	0.5	0.5	5.6	4.6	5.4
30	1.2	1.1	1.1	0.8	0.7	0.7	0.6	0.5	0.5	5.4	4.5	4.9
31	---	---	---	0.8	0.7	0.7	0.7	0.5	0.6	---	---	---
MONTH	2.3	0.9	1.5	1.6	0.6	1.0	0.8	0.3	0.5	---	---	---

## PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.1	17.9	18.0	18.1	17.5	17.9	14.3	13.1	13.5	15.7	14.9	15.5
2	18.0	17.8	17.9	18.5	17.3	17.9	14.9	14.1	14.6	---	---	---
3	17.9	17.8	17.9	18.4	17.5	17.9	14.5	13.3	13.8	---	---	---
4	18.0	17.9	17.9	18.3	17.7	18.1	14.7	12.6	13.4	---	---	---
5	18.2	17.8	18.0	18.6	17.7	18.2	15.0	13.4	14.2	14.5	13.6	13.9
6	18.0	17.9	17.9	18.6	17.7	17.9	13.7	12.8	13.3	14.3	12.3	13.7
7	18.1	18.0	18.0	18.3	17.5	17.9	15.8	13.3	14.3	13.2	12.2	12.6
8	18.1	17.9	18.1	18.4	17.7	18.0	16.1	14.3	15.7	13.3	11.9	12.5
9	18.3	18.1	18.2	18.1	17.5	17.9	16.5	13.7	16.0	13.0	12.4	12.8
10	18.9	18.2	18.5	18.1	17.5	17.7	16.3	13.9	15.9	13.5	12.7	13.1
11	19.0	18.2	18.7	17.8	17.3	17.6	16.1	13.9	15.4	13.3	12.6	12.9
12	18.2	17.7	17.9	17.9	17.4	17.7	15.7	13.3	15.2	13.5	12.1	13.0
13	18.1	17.9	18.0	17.8	15.4	16.9	16.9	15.4	16.1	---	---	---
14	18.0	17.2	17.5	17.2	16.6	17.0	16.4	13.1	14.7	---	---	---
15	18.4	17.3	17.9	17.5	17.2	17.4	14.7	13.3	14.1	---	---	---
16	18.6	17.8	18.1	17.6	17.5	17.6	14.5	13.5	13.9	13.2	11.3	12.5
17	18.3	17.9	18.2	17.5	15.1	17.2	14.8	13.7	14.1	13.1	11.3	11.8
18	18.1	17.5	17.8	16.9	15.3	15.9	16.3	14.6	15.6	12.4	11.4	11.7
19	18.4	18.1	18.3	16.7	16.1	16.6	16.5	16.1	16.4	12.6	11.3	11.8
20	18.4	17.6	18.1	16.7	16.2	16.5	16.6	15.6	16.2	12.2	11.1	11.6
21	18.1	17.2	17.9	16.7	16.3	16.5	16.1	14.3	15.3	13.2	12.2	12.8
22	18.3	17.5	18.0	16.7	14.9	16.0	14.5	13.8	14.2	14.0	11.9	13.4
23	18.6	18.0	18.3	15.2	14.3	15.0	14.3	13.8	14.1	14.0	11.3	12.3
24	19.8	18.5	19.1	15.3	14.7	15.0	14.5	13.9	14.3	---	---	---
25	20.5	19.6	20.1	15.1	14.8	15.0	14.3	13.3	13.7	---	---	---
26	20.5	18.5	19.7	15.7	14.9	15.2	14.5	13.1	13.5	13.4	12.2	12.7
27	19.9	18.7	19.5	15.9	13.5	15.1	14.5	14.1	14.3	13.5	11.0	12.2
28	20.3	19.6	20.1	16.3	14.5	15.6	14.5	14.1	14.2	---	---	---
29	20.2	19.4	19.9	16.2	13.0	15.3	14.3	13.2	13.9	---	---	---
30	19.9	17.6	18.6	13.9	13.0	13.5	14.5	13.9	14.2	---	---	---
31	17.8	17.5	17.7	---	---	---	15.3	14.3	14.7	---	---	---
MONTH	20.5	17.2	18.4	18.6	13.0	16.7	16.9	12.6	14.6	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	11.5	9.8	10.7	7.8	6.8	7.3	8.3	7.4	7.9
2	---	---	---	11.6	11.1	11.5	7.6	6.9	7.3	8.1	7.0	7.6
3	---	---	---	11.4	10.9	11.2	7.3	6.5	7.0	7.8	4.3	6.5
4	---	---	---	12.5	10.5	11.6	7.0	6.2	6.6	6.4	5.3	6.0
5	---	---	---	12.2	11.7	11.9	6.7	6.2	6.5	5.8	4.5	5.3
6	---	---	---	11.8	9.9	11.6	6.7	5.7	6.3	5.5	4.2	4.9
7	---	---	---	10.6	9.3	9.7	6.9	5.6	6.4	5.1	4.3	4.6
8	---	---	---	10.0	9.6	9.8	6.8	5.1	5.8	4.4	4.0	4.3
9	---	---	---	9.8	9.7	9.8	6.7	5.3	5.8	4.3	3.6	4.1
10	---	---	---	10.4	9.4	9.9	6.5	5.2	5.8	4.1	3.6	3.8
11	---	---	---	10.8	10.3	10.6	6.6	5.1	6.0	4.1	3.3	3.7
12	---	---	---	10.8	10.2	10.6	5.5	4.9	5.2	3.3	2.4	2.8
13	---	---	---	10.7	10.4	10.5	5.9	5.3	5.6	3.9	2.5	3.0
14	---	---	---	10.5	8.2	8.9	6.5	5.6	6.0	4.0	3.4	3.8
15	---	---	---	9.5	8.7	9.0	6.4	5.9	6.3	3.6	2.7	3.1
16	---	---	---	9.5	8.8	9.3	6.4	5.9	6.1	3.5	2.9	3.4
17	---	---	---	9.5	9.3	9.4	6.0	4.4	5.4	3.6	2.6	3.1
18	---	---	---	10.4	9.3	9.7	4.5	4.1	4.4	3.8	2.9	3.3
19	12.0	10.7	11.4	10.7	9.5	10.4	4.7	4.1	4.4	3.8	3.3	3.4
20	13.1	12.0	12.5	10.7	8.6	10.1	7.0	3.5	4.2	4.6	3.3	3.8
21	---	---	---	10.8	8.6	9.6	9.8	6.8	8.8	4.8	4.5	4.7
22	13.6	12.4	13.3	10.2	8.6	9.2	9.7	8.5	9.3	4.8	4.5	4.7
23	---	---	---	9.6	8.5	9.0	9.2	7.0	7.9	4.9	3.7	4.5
24	---	---	---	9.7	9.0	9.5	9.3	7.0	8.5	3.8	3.3	3.5
25	11.3	10.3	10.6	10.0	9.7	9.8	9.7	8.8	9.4	3.9	3.4	3.6
26	10.5	10.2	10.4	10.1	9.5	9.9	9.6	8.6	9.2	3.9	3.5	3.7
27	10.5	9.7	10.2	9.9	8.8	9.5	9.2	8.3	8.9	3.9	3.5	3.7
28	9.9	9.0	9.7	9.9	7.9	9.1	9.2	8.6	9.0	3.8	2.6	2.9
29	---	---	---	9.1	7.8	8.1	9.0	8.0	8.6	3.2	2.4	2.8
30	---	---	---	8.7	6.8	7.8	8.4	7.4	8.0	2.8	2.2	2.6
31	---	---	---	7.8	6.8	7.2	---	---	---	2.7	2.1	2.5
MONTH	---	---	---	12.5	6.8	9.8	9.8	3.5	6.9	8.3	2.1	4.1

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.6	1.7	2.1	3.0	2.2	2.8	0.8	0.6	0.7	0.7	0.6	0.6
2	2.8	2.5	2.6	3.8	2.1	3.2	0.8	0.6	0.7	0.7	0.6	0.6
3	2.9	2.2	2.6	3.2	1.0	1.6	0.7	0.7	0.7	0.7	0.6	0.6
4	2.8	1.7	2.2	1.9	1.2	1.5	0.7	0.6	0.7	0.7	0.6	0.6
5	2.4	1.7	2.1	1.5	1.1	1.3	0.7	0.6	0.7	0.7	0.6	0.7
6	2.5	2.2	2.4	1.5	1.1	1.3	0.7	0.7	0.7	0.8	0.6	0.7
7	2.6	1.6	2.2	1.3	1.1	1.2	0.7	0.6	0.7	0.9	0.7	0.8
8	2.2	1.6	1.8	1.5	0.9	1.2	0.7	0.6	0.7	1.0	0.8	0.9
9	2.2	1.6	1.9	1.5	1.1	1.3	0.7	0.6	0.6	3.8	1.0	1.6
10	2.5	1.8	2.1	1.3	1.1	1.2	0.7	0.4	0.6	1.6	1.2	1.4
11	2.5	1.7	2.2	1.3	1.0	1.2	0.6	0.4	0.5	2.3	1.3	1.5
12	2.3	1.4	1.7	1.4	1.1	1.2	0.6	0.5	0.5	3.3	1.5	2.2
13	1.7	1.2	1.4	1.3	1.1	1.2	0.6	0.4	0.5	3.4	2.1	2.6
14	1.4	1.1	1.3	1.2	1.1	1.2	0.6	0.4	0.5	6.5	3.4	4.9
15	1.5	1.1	1.3	1.3	1.1	1.2	0.6	0.5	0.5	---	---	---
16	2.0	1.2	1.4	1.3	1.0	1.2	0.6	0.4	0.5	---	---	---
17	1.9	1.3	1.6	1.3	1.0	1.2	0.4	0.3	0.4	---	---	---
18	1.9	1.5	1.8	1.2	1.0	1.1	0.6	0.4	0.5	---	---	---
19	1.8	1.3	1.7	1.2	0.7	1.0	0.6	0.4	0.5	---	---	---
20	1.8	1.4	1.7	1.1	1.0	1.1	0.8	0.6	0.7	---	---	---
21	1.8	1.2	1.5	1.1	0.8	1.0	0.8	0.6	0.7	---	---	---
22	1.7	1.2	1.4	0.9	0.7	0.8	0.8	0.4	0.6	7.9	7.1	7.6
23	1.7	1.3	1.5	0.9	0.6	0.8	0.6	0.3	0.4	7.8	6.5	7.1
24	1.7	1.5	1.6	0.9	0.7	0.8	0.7	0.5	0.5	7.1	6.6	6.9
25	1.8	1.6	1.7	0.8	0.7	0.8	2.6	0.6	1.8	7.1	6.7	6.9
26	2.2	1.1	1.5	0.9	0.7	0.8	2.2	0.5	1.2	7.1	6.9	7.1
27	1.3	1.1	1.3	0.9	0.6	0.7	0.8	0.5	0.5	7.1	6.9	7.0
28	1.5	1.1	1.3	0.8	0.6	0.7	0.7	0.4	0.6	7.0	5.9	6.6
29	2.9	1.4	2.2	0.9	0.6	0.7	0.7	0.5	0.6	6.8	5.4	5.8
30	3.0	2.5	2.8	0.8	0.7	0.8	0.7	0.5	0.6	5.8	5.1	5.5
31	---	---	---	0.9	0.7	0.8	0.7	0.5	0.6	---	---	---
MONTH	3.0	1.1	1.8	3.8	0.6	1.2	2.6	0.3	0.6	---	---	---

## PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.8	7.9	7.6	7.5	7.5	7.8	7.7	7.7	8.2	8.0	8.1
2	8.0	7.7	7.8	7.6	7.5	7.6	7.8	7.7	7.8	---	---	---
3	8.0	7.8	7.8	7.6	7.5	7.6	7.8	7.7	7.8	---	---	---
4	7.9	7.7	7.8	7.7	7.6	7.6	7.8	7.6	7.7	8.2	8.0	8.1
5	8.0	7.7	7.8	7.7	7.6	7.6	7.9	7.7	7.8	8.3	8.1	8.2
6	7.9	7.6	7.7	7.6	7.6	7.6	7.8	7.7	7.8	8.3	8.2	8.2
7	7.9	7.6	7.7	7.7	7.6	7.6	8.0	7.7	7.8	8.2	8.0	8.1
8	7.8	7.6	7.7	7.8	7.6	7.7	7.9	7.8	7.8	8.1	7.9	8.0
9	7.8	7.6	7.6	7.8	7.6	7.7	7.9	7.7	7.8	8.1	8.0	8.0
10	7.7	7.6	7.6	7.8	7.7	7.8	7.8	7.6	7.7	8.1	8.0	8.0
11	7.6	7.5	7.6	7.8	7.6	7.7	7.8	7.7	7.7	8.2	7.8	8.0
12	7.6	7.5	7.5	7.8	7.6	7.7	8.0	7.7	7.8	8.1	7.8	8.0
13	7.8	7.4	7.6	7.6	7.5	7.5	8.0	7.8	7.9	---	---	---
14	7.7	7.5	7.5	7.6	7.5	7.5	8.0	7.8	7.9	---	---	---
15	7.6	7.5	7.6	7.6	7.5	7.6	8.0	7.8	7.9	---	---	---
16	7.7	7.5	7.6	7.6	7.5	7.6	8.1	7.9	8.0	8.1	8.0	8.1
17	7.8	7.5	7.6	7.6	7.4	7.5	8.1	7.7	7.9	8.1	8.0	8.0
18	7.8	7.6	7.6	7.6	7.4	7.5	8.0	7.7	7.9	8.1	8.0	8.0
19	7.8	7.6	7.7	7.6	7.4	7.5	8.2	8.0	8.1	8.0	7.8	8.0
20	7.9	7.6	7.7	7.9	7.5	7.6	8.1	7.8	8.0	8.0	7.8	7.9
21	7.8	7.4	7.6	8.0	7.6	7.8	8.1	7.9	8.0	8.0	7.9	8.0
22	7.5	7.3	7.4	7.8	7.6	7.7	8.1	8.0	8.0	8.0	7.8	7.8
23	7.6	7.4	7.4	7.8	7.7	7.8	8.1	8.0	8.1	7.9	7.8	7.9
24	7.5	7.4	7.5	7.9	7.8	7.8	8.1	8.0	8.0	---	---	---
25	7.6	7.4	7.5	8.2	7.8	7.9	8.0	7.8	7.9	---	---	---
26	7.6	7.4	7.5	7.9	7.6	7.8	7.9	7.8	7.9	7.8	7.6	7.8
27	7.6	7.5	7.5	7.7	7.5	7.6	8.0	7.9	7.9	7.7	7.5	7.6
28	7.6	7.5	7.6	7.6	7.5	7.6	8.4	7.8	8.1	7.7	7.5	7.7
29	7.6	7.4	7.5	7.7	7.6	7.7	8.2	7.9	8.1	7.7	7.6	7.6
30	7.5	7.4	7.4	7.8	7.6	7.7	8.3	8.1	8.2	7.7	7.6	7.6
31	7.5	7.4	7.4	---	---	---	8.3	7.9	8.2	7.6	7.5	7.5
MONTH	8.0	7.3	7.6	8.2	7.4	7.6	8.4	7.6	7.9	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	7.5	7.5	8.1	7.3	7.6	7.2	7.1	7.2	7.2	7.0	7.1
2	7.7	7.6	7.6	8.0	7.5	7.8	7.2	7.1	7.1	7.0	6.6	6.8
3	7.7	7.5	7.6	8.1	7.8	7.9	7.4	7.1	7.2	6.9	6.5	6.7
4	7.6	7.4	7.5	8.1	7.7	7.9	7.2	7.1	7.2	6.9	6.7	6.8
5	7.6	7.4	7.5	8.0	7.7	7.9	7.2	7.1	7.2	6.8	6.7	6.8
6	7.7	7.6	7.6	7.9	7.6	7.8	7.2	6.9	7.2	6.9	6.8	6.8
7	7.6	7.4	7.5	7.7	7.0	7.4	7.2	7.0	7.1	7.0	6.8	6.9
8	7.9	7.4	7.6	7.3	6.9	7.1	7.2	7.0	7.1	6.9	6.6	6.8
9	8.1	7.4	7.6	7.8	7.1	7.3	7.3	7.2	7.2	7.0	6.7	6.8
10	7.9	7.4	7.7	7.4	7.2	7.3	7.4	7.2	7.3	6.9	6.8	6.8
11	7.6	7.3	7.5	7.4	7.2	7.3	7.2	7.1	7.2	6.9	6.6	6.8
12	7.5	7.4	7.5	7.6	7.1	7.4	7.2	7.1	7.1	6.9	6.6	6.8
13	7.6	7.4	7.5	7.7	7.4	7.6	7.1	6.7	6.9	7.0	6.7	6.9
14	7.7	7.4	7.5	7.7	7.4	7.5	6.9	6.6	6.8	6.9	6.6	6.8
15	7.6	7.4	7.5	7.4	7.2	7.3	7.0	6.8	6.9	6.9	6.7	6.8
16	7.4	7.0	7.3	7.7	7.3	7.5	6.9	6.8	6.9	6.8	6.5	6.7
17	7.1	6.8	7.0	7.6	7.0	7.3	6.9	6.8	6.9	6.8	6.7	6.8
18	7.6	6.9	7.2	7.5	7.2	7.3	6.9	6.7	6.8	7.0	6.8	7.0
19	7.8	7.5	7.6	7.6	7.2	7.4	7.0	6.6	6.9	7.1	7.0	7.0
20	7.8	7.5	7.7	7.4	7.3	7.4	7.0	6.8	6.8	7.1	7.0	7.1
21	7.7	7.3	7.5	7.6	7.3	7.4	7.4	6.8	7.0	7.1	6.9	7.0
22	7.8	7.6	7.7	7.9	7.1	7.3	7.5	7.0	7.2	7.1	7.0	7.1
23	---	---	---	7.7	6.6	7.3	7.3	7.0	7.2	7.1	7.0	7.1
24	---	---	---	7.3	6.6	6.9	7.7	7.1	7.2	7.1	6.8	7.0
25	7.8	7.6	7.7	7.2	6.9	7.1	7.3	7.0	7.1	7.0	6.8	6.9
26	7.7	7.3	7.5	7.2	7.0	7.1	7.4	7.0	7.2	7.0	6.6	6.8
27	7.6	7.3	7.5	7.2	7.0	7.1	7.3	6.7	7.0	6.9	6.7	6.8
28	7.5	7.4	7.4	7.2	7.1	7.2	7.2	6.7	7.0	6.9	6.6	6.7
29	---	---	---	7.2	7.1	7.2	7.1	6.9	7.0	6.8	6.6	6.7
30	---	---	---	7.2	7.0	7.1	7.3	7.0	7.1	6.8	6.6	6.7
31	---	---	---	7.3	7.0	7.2	---	---	---	6.8	6.4	6.7
MONTH	---	---	---	8.1	6.6	7.4	7.7	6.6	7.1	7.2	6.4	6.9

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.3	6.6	6.6	6.4	6.5	6.4	5.9	6.2	6.4	6.4	6.4
2	6.8	6.2	6.5	6.8	6.6	6.7	6.5	5.9	6.2	6.5	6.3	6.4
3	6.8	6.6	6.8	6.8	6.5	6.7	6.4	6.3	6.3	6.5	6.4	6.5
4	6.9	6.6	6.7	6.8	6.5	6.7	6.3	6.0	6.1	6.6	6.5	6.5
5	6.7	6.6	6.7	6.7	6.3	6.5	6.4	6.0	6.2	6.6	6.3	6.6
6	6.9	6.6	6.7	6.6	6.4	6.5	6.3	6.0	6.2	6.7	6.5	6.6
7	6.8	6.3	6.7	6.7	6.5	6.6	6.4	5.9	6.1	6.8	6.6	6.8
8	6.7	6.3	6.6	6.7	6.3	6.6	6.4	6.1	6.3	7.0	6.8	6.8
9	6.7	6.3	6.6	6.7	6.5	6.6	6.4	5.9	6.2	7.1	6.9	7.0
10	6.6	6.4	6.5	6.7	6.6	6.6	6.4	5.8	6.0	7.2	7.0	7.1
11	6.6	6.3	6.5	6.7	6.4	6.6	6.4	5.9	6.1	7.2	7.2	7.2
12	6.5	6.2	6.4	6.7	6.6	6.7	6.2	6.0	6.2	7.3	7.2	7.3
13	6.6	6.3	6.5	6.7	6.6	6.7	6.0	5.8	5.9	7.3	7.2	7.3
14	6.5	6.4	6.5	6.8	6.4	6.6	6.1	5.9	6.0	7.2	7.2	7.2
15	6.6	6.3	6.5	6.7	6.5	6.5	6.1	5.8	6.0	---	---	---
16	6.7	6.4	6.6	6.7	6.2	6.4	6.0	5.7	5.9	---	---	---
17	6.8	6.5	6.7	6.4	6.0	6.2	6.1	5.6	5.9	---	---	---
18	6.8	6.7	6.7	6.5	6.3	6.4	6.2	5.9	6.1	---	---	---
19	6.7	6.5	6.6	6.5	5.9	6.2	6.2	6.1	6.2	---	---	---
20	6.6	6.4	6.5	6.4	6.3	6.4	6.2	6.0	6.1	---	---	---
21	6.6	6.5	6.6	6.4	6.2	6.3	6.1	6.0	6.1	---	---	---
22	6.6	6.5	6.5	6.6	6.1	6.3	6.1	5.9	6.0	7.1	6.8	7.0
23	6.7	6.5	6.6	6.8	6.4	6.6	6.4	5.5	6.0	7.2	7.0	7.1
24	6.6	6.5	6.6	6.7	6.4	6.6	6.4	6.1	6.2	7.1	6.7	6.9
25	6.8	6.6	6.6	6.6	6.3	6.4	6.3	6.1	6.2	6.9	6.7	6.8
26	6.6	6.3	6.5	6.6	6.4	6.5	6.2	5.9	6.1	6.8	6.7	6.8
27	6.6	6.3	6.5	6.4	5.9	6.2	6.3	6.0	6.2	6.9	6.8	6.8
28	6.7	6.5	6.6	6.4	5.9	6.2	6.3	5.8	6.1	6.9	6.8	6.8
29	6.6	6.4	6.5	6.4	6.0	6.3	6.3	6.0	6.2	6.9	6.7	6.9
30	6.6	6.5	6.5	6.5	6.1	6.4	6.5	6.1	6.3	7.1	6.7	6.8
31	---	---	---	6.4	6.2	6.3	6.5	6.2	6.3	---	---	---
MONTH	6.9	6.2	6.6	6.8	5.9	6.5	6.5	5.5	6.1	---	---	---

## PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	7.5	7.7	7.7	7.5	7.6	7.7	7.6	7.6	7.7	7.4	7.6
2	7.6	7.4	7.5	7.7	7.5	7.6	7.8	7.7	7.8	---	---	---
3	7.8	7.3	7.5	7.7	7.5	7.6	7.7	7.6	7.7	---	---	---
4	7.8	7.2	7.4	7.6	7.5	7.5	7.8	7.6	7.7	---	---	---
5	7.6	7.1	7.3	7.7	7.5	7.6	7.8	7.7	7.8	8.1	7.4	7.7
6	7.7	7.2	7.6	7.6	7.6	7.6	7.8	7.7	7.7	8.2	7.4	7.7
7	7.7	7.5	7.6	7.8	7.6	7.7	8.0	7.7	7.8	8.2	8.0	8.1
8	7.8	7.5	7.7	7.8	7.6	7.7	8.0	7.7	8.0	8.2	7.9	8.1
9	7.8	7.6	7.7	7.7	7.5	7.6	8.0	7.8	7.9	8.2	8.0	8.1
10	7.7	7.4	7.6	7.8	7.5	7.7	8.0	7.8	7.9	8.2	8.0	8.1
11	7.6	7.4	7.5	7.8	7.7	7.8	8.0	7.8	7.9	8.2	7.7	8.0
12	7.6	7.5	7.5	7.8	7.7	7.7	7.8	7.7	7.8	8.0	7.7	7.9
13	7.6	7.4	7.5	7.7	7.5	7.6	8.1	7.7	7.9	---	---	---
14	7.7	7.4	7.5	7.6	7.5	7.6	8.0	7.7	7.8	---	---	---
15	7.6	7.5	7.6	7.6	7.5	7.5	8.0	7.7	7.8	---	---	---
16	7.8	7.5	7.7	7.6	7.6	7.6	8.0	7.8	7.9	7.9	7.4	7.7
17	7.8	7.6	7.7	7.6	7.4	7.5	8.0	7.8	7.9	7.9	7.7	7.8
18	7.8	7.7	7.8	7.6	7.4	7.5	8.0	7.6	7.9	7.9	7.7	7.8
19	7.8	7.6	7.7	7.6	7.4	7.4	7.8	7.6	7.7	7.9	7.7	7.8
20	7.6	7.3	7.5	7.8	7.4	7.6	7.8	7.5	7.7	7.9	7.7	7.8
21	7.6	7.3	7.5	7.7	7.6	7.7	7.8	7.4	7.7	8.0	7.8	8.0
22	7.6	7.3	7.5	7.6	7.5	7.6	8.0	7.6	7.8	8.0	7.8	8.0
23	7.6	7.6	7.6	7.7	7.5	7.6	8.0	7.8	7.9	8.0	7.7	7.8
24	7.6	7.5	7.6	7.7	7.6	7.6	7.9	7.5	7.8	---	---	---
25	7.5	7.4	7.4	7.7	7.5	7.6	7.9	7.7	7.8	---	---	---
26	7.4	7.2	7.3	7.7	7.5	7.6	7.8	7.6	7.7	7.8	7.5	7.7
27	7.3	7.1	7.2	7.7	7.4	7.6	7.8	7.7	7.8	7.8	7.4	7.6
28	7.4	7.2	7.4	7.6	7.4	7.5	7.7	7.4	7.6	---	---	---
29	7.4	7.2	7.3	7.6	7.3	7.5	8.0	7.4	7.6	---	---	---
30	7.4	7.2	7.3	7.7	7.5	7.6	8.0	7.5	7.7	---	---	---
31	7.6	7.4	7.5	---	---	---	8.0	7.7	7.8	---	---	---
MONTH	7.8	7.1	7.5	7.8	7.3	7.6	8.1	7.4	7.8	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.5	7.3	7.4	7.3	7.1	7.2	6.8	6.6	6.7
2	---	---	---	7.5	7.3	7.4	7.2	7.1	7.2	6.8	6.6	6.7
3	---	---	---	7.3	7.0	7.1	7.3	7.0	7.2	6.8	6.6	6.7
4	---	---	---	7.5	7.2	7.3	7.3	7.1	7.2	6.8	6.7	6.8
5	---	---	---	7.3	7.1	7.2	7.2	7.1	7.1	6.9	6.8	6.8
6	---	---	---	7.3	6.9	7.0	7.3	7.0	7.2	6.8	6.7	6.8
7	---	---	---	7.5	7.1	7.3	7.3	7.1	7.2	6.8	6.6	6.7
8	---	---	---	7.4	7.2	7.3	7.2	7.1	7.2	6.8	6.6	6.7
9	---	---	---	7.3	7.1	7.2	---	---	---	6.9	6.7	6.8
10	---	---	---	7.5	7.0	7.2	7.5	7.3	7.4	6.9	6.7	6.8
11	---	---	---	7.3	7.1	7.3	7.4	7.2	7.3	6.9	6.6	6.7
12	---	---	---	7.3	7.1	7.2	7.3	7.2	7.3	6.9	6.6	6.7
13	---	---	---	7.2	7.0	7.1	7.3	7.1	7.2	7.1	6.8	6.9
14	---	---	---	7.5	7.0	7.3	7.2	7.2	7.2	7.1	6.8	6.9
15	---	---	---	7.5	7.3	7.4	7.2	7.1	7.1	6.9	6.7	6.8
16	---	---	---	7.3	7.2	7.3	7.1	7.0	7.0	6.9	6.7	6.8
17	---	---	---	7.3	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.8
18	---	---	---	7.4	7.2	7.3	7.2	7.1	7.1	7.0	6.8	7.0
19	7.5	7.3	7.5	7.4	7.1	7.2	7.2	7.1	7.1	7.1	7.0	7.1
20	7.5	7.2	7.3	7.3	7.0	7.1	7.2	6.9	7.1	7.1	7.0	7.1
21	---	---	---	7.3	6.8	7.0	7.0	6.9	6.9	7.1	6.9	7.0
22	7.1	6.9	7.0	7.2	6.8	7.0	6.9	6.8	6.9	7.0	6.9	7.0
23	---	---	---	7.1	6.8	6.9	6.9	6.6	6.7	7.1	6.9	6.9
24	---	---	---	7.0	6.9	6.9	6.7	6.6	6.7	7.0	6.9	7.0
25	7.5	7.1	7.4	6.9	6.7	6.8	6.7	6.6	6.7	6.9	6.8	6.8
26	7.5	7.3	7.4	6.8	6.7	6.8	6.7	6.6	6.7	6.8	6.7	6.8
27	7.4	7.3	7.3	6.8	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.8
28	7.4	7.1	7.3	7.2	6.7	6.8	6.7	6.7	6.7	6.8	6.6	6.7
29	---	---	---	7.2	6.7	7.1	6.8	6.6	6.7	6.7	6.6	6.6
30	---	---	---	7.2	6.7	7.0	6.7	6.6	6.6	6.8	6.6	6.7
31	---	---	---	7.3	7.0	7.2	---	---	---	6.8	6.5	6.7
MONTH	---	---	---	7.5	6.7	7.1	---	---	---	7.1	6.5	6.8



## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.5	6.6	6.5	6.5	6.5	6.4	6.0	6.3	6.6	6.4	6.5
2	6.9	6.8	6.8	6.5	6.4	6.5	6.5	5.9	6.2	6.5	6.3	6.4
3	6.9	6.7	6.8	6.6	6.3	6.5	6.5	6.2	6.4	6.6	6.4	6.5
4	6.8	6.6	6.7	6.7	6.5	6.6	6.3	6.0	6.2	6.6	6.4	6.5
5	6.8	6.6	6.7	6.6	6.4	6.5	6.4	6.0	6.2	6.6	6.3	6.5
6	6.8	6.7	6.7	6.6	6.3	6.5	6.3	6.0	6.2	6.6	6.5	6.6
7	6.7	6.5	6.7	6.6	6.4	6.5	6.4	5.9	6.2	6.8	6.6	6.7
8	6.7	6.5	6.6	6.6	6.2	6.5	6.4	6.2	6.3	7.0	6.8	6.8
9	6.7	6.6	6.7	6.7	6.5	6.6	6.4	5.8	6.2	7.1	6.8	7.0
10	6.7	6.6	6.7	6.7	6.6	6.6	6.4	5.8	6.0	7.1	7.0	7.1
11	6.7	6.6	6.7	6.8	6.4	6.6	6.4	5.9	6.1	7.2	7.1	7.2
12	6.7	6.5	6.6	6.8	6.7	6.7	6.3	5.9	6.1	7.3	7.2	7.2
13	6.6	6.4	6.5	6.8	6.6	6.7	6.3	5.8	6.0	7.2	7.0	7.1
14	6.6	6.4	6.5	6.8	6.5	6.7	6.2	5.8	6.2	7.2	7.0	7.2
15	6.7	6.4	6.6	6.7	6.5	6.6	6.2	6.2	6.2	---	---	---
16	6.8	6.5	6.6	6.7	6.3	6.5	6.2	5.6	5.9	---	---	---
17	7.0	6.6	6.8	6.6	6.2	6.5	6.1	5.6	5.9	---	---	---
18	7.0	6.7	6.8	6.6	6.4	6.5	6.5	5.9	6.2	---	---	---
19	6.7	6.6	6.7	6.7	6.1	6.4	6.4	6.1	6.2	---	---	---
20	6.8	6.5	6.7	6.6	6.5	6.6	6.5	6.3	6.5	---	---	---
21	6.8	6.5	6.6	6.6	6.3	6.5	6.5	6.3	6.4	---	---	---
22	6.9	6.4	6.7	6.6	6.2	6.4	6.4	5.8	6.2	7.2	7.1	7.2
23	6.8	6.6	6.7	6.6	6.4	6.6	6.3	5.5	6.0	7.2	7.1	7.1
24	6.8	6.6	6.7	6.7	6.4	6.6	6.5	6.1	6.2	7.2	6.9	7.1
25	6.7	6.4	6.6	6.6	6.4	6.5	6.6	6.3	6.6	7.0	6.8	6.9
26	6.5	6.1	6.3	6.5	6.3	6.4	6.6	6.0	6.3	6.8	6.8	6.8
27	6.4	6.2	6.4	6.6	6.1	6.3	6.3	6.0	6.2	6.8	6.8	6.8
28	6.5	6.3	6.4	6.5	5.9	6.3	6.6	5.8	6.3	6.8	6.7	6.8
29	6.6	6.4	6.5	6.6	6.1	6.4	6.6	6.0	6.4	7.0	6.7	6.9
30	6.6	6.5	6.5	6.5	6.1	6.4	6.5	6.1	6.3	7.1	6.8	7.0
31	---	---	---	6.6	6.2	6.3	6.6	6.3	6.4	---	---	---
MONTH	7.0	6.1	6.6	6.8	5.9	6.5	6.6	5.5	6.2	---	---	---

## PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.9	24.6	25.0	15.5	14.3	15.0	9.3	8.4	8.8	8.7	7.7	8.2
2	26.5	25.0	25.5	14.6	13.6	14.0	8.4	7.2	8.0	---	---	---
3	27.1	25.5	25.9	14.0	13.4	13.6	8.3	7.5	8.0	---	---	---
4	27.0	25.9	26.3	14.2	13.4	13.6	7.5	6.6	6.7	9.6	9.0	9.3
5	27.7	26.0	26.6	13.7	13.3	13.5	6.7	6.3	6.6	9.0	8.1	8.7
6	27.2	25.8	26.3	14.2	13.6	14.0	6.5	5.6	6.1	9.2	7.8	8.7
7	26.5	25.3	25.8	13.9	13.2	13.6	6.1	5.3	5.7	8.8	7.3	8.0
8	26.1	24.5	25.2	14.1	13.1	13.6	6.0	5.4	5.8	7.3	6.5	6.7
9	24.5	23.9	24.2	14.0	13.2	13.6	6.1	5.6	5.9	7.4	6.6	7.0
10	24.1	23.6	23.8	15.1	13.8	14.4	6.2	5.8	6.0	8.0	7.3	7.6
11	23.8	23.5	23.7	16.4	15.0	15.7	6.6	6.2	6.4	7.8	6.8	7.2
12	23.7	23.4	23.5	17.1	16.2	16.6	7.2	6.4	6.6	7.0	6.0	6.4
13	23.9	22.7	23.3	17.0	15.4	16.5	7.3	6.7	6.9	---	---	---
14	23.8	21.9	22.9	15.4	14.2	14.8	7.7	7.2	7.4	---	---	---
15	21.9	21.0	21.5	14.9	13.5	14.2	7.9	7.2	7.4	---	---	---
16	21.1	20.7	20.8	15.3	14.8	15.0	7.6	7.1	7.3	6.0	5.1	5.4
17	20.8	19.9	20.5	15.4	15.0	15.3	7.6	6.9	7.2	5.3	4.7	5.1
18	20.4	19.3	19.8	15.0	13.4	14.3	7.5	6.8	7.1	4.7	3.9	4.3
19	19.8	18.5	19.2	14.2	13.0	13.8	8.3	6.9	7.5	4.3	3.5	3.9
20	20.6	19.0	19.6	14.3	13.6	13.8	9.2	8.0	8.7	4.1	3.2	3.6
21	20.2	19.1	19.6	14.1	13.6	13.7	9.1	8.7	8.9	4.0	3.6	3.8
22	19.1	18.3	18.6	14.3	13.5	13.9	9.1	8.4	8.7	3.9	3.1	3.6
23	18.4	17.6	17.9	13.5	12.1	12.6	9.1	8.4	8.8	3.4	1.7	2.6
24	18.5	17.6	18.0	12.4	11.7	12.1	9.0	8.5	8.7	---	---	---
25	18.3	17.8	18.1	14.0	11.5	12.1	9.0	8.1	8.7	---	---	---
26	18.8	18.2	18.5	12.5	12.2	12.4	8.1	7.3	7.5	1.3	0.3	0.9
27	19.0	18.4	18.7	12.4	11.2	11.8	7.3	6.3	6.9	1.3	0.6	0.9
28	18.7	18.4	18.6	11.3	9.6	10.4	6.9	5.5	6.3	2.2	0.6	1.0
29	18.5	18.1	18.3	10.0	9.0	9.4	7.0	6.0	6.5	2.1	1.1	1.6
30	18.1	17.2	17.8	9.6	8.3	9.2	7.3	6.0	6.8	2.5	1.9	2.3
31	17.2	15.4	16.3	---	---	---	7.9	7.0	7.3	3.1	2.4	2.8
MONTH	27.7	15.4	21.6	17.1	8.3	13.6	9.3	5.3	7.3	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.4	2.9	3.1	10.2	7.8	8.6	14.4	13.4	14.0	23.0	22.1	22.5
2	4.1	3.0	3.5	10.3	9.3	10	15.6	13.5	14.4	23.3	22.1	22.6
3	5.6	3.7	4.4	10.6	9.7	10	16.9	14.9	15.6	23.0	20.8	22.1
4	6.2	4.4	5.2	10.3	9.1	9.7	17.2	15.6	16.5	20.8	19.4	20.2
5	6.6	5.6	6.2	11.6	10.2	10.8	17.9	16.8	17.3	19.6	18.8	19.2
6	6.6	6.1	6.3	11.9	11.1	11.5	17.7	17.0	17.4	20.7	19.3	19.8
7	6.3	5.8	6.2	11.3	10.1	10.5	17.0	16.1	16.5	22.8	20.5	21.4
8	7.0	5.5	6.0	12.2	9.3	9.7	16.1	15.0	15.4	24.7	21.9	23.2
9	7.2	5.3	6.2	12.9	9.1	10.6	15.0	13.8	14.4	25.2	23.7	24.4
10	6.3	5.8	6.0	11.7	10.7	11.2	13.8	13.2	13.4	27.5	24.1	24.9
11	6.4	5.4	5.9	10.7	10.2	10.3	13.2	12.6	13.0	25.9	24.8	25.3
12	6.5	5.8	6.2	11.6	9.8	10.5	13.8	12.3	12.8	25.6	24.1	24.9
13	6.2	5.6	6.0	12.3	10.8	11.5	14.9	13.1	13.9	24.1	22.7	23.2
14	6.7	5.8	6.2	12.2	10.7	11.3	15.7	13.6	14.6	23.1	21.5	22.5
15	6.9	6.4	6.6	11.3	10.4	10.8	16.6	14.7	15.3	22.7	22.3	22.5
16	6.7	6.4	6.5	12.6	11.2	11.7	18.3	15.5	16.6	24.6	21.9	23.1
17	6.6	6.0	6.4	14.2	11.8	12.6	19.1	17.3	17.9	24.1	21.8	22.6
18	6.2	5.4	5.8	12.7	12.1	12.4	17.8	17.2	17.4	21.8	20.5	21.2
19	6.7	5.9	6.2	12.7	12.2	12.4	17.8	17.2	17.5	20.5	19.6	20.0
20	7.8	6.2	6.9	13.3	12.5	12.9	17.5	16.4	16.9	21.4	19.2	19.8
21	7.5	6.6	7.0	15.1	13.3	14.1	19.4	16.8	17.4	21.6	19.4	20.3
22	8.8	7.0	7.9	17.2	14.4	15.0	20.8	17.9	18.8	21.7	20.8	21.3
23	---	---	---	18.7	15.6	17.3	20.0	18.8	19.4	21.1	20.3	20.6
24	---	---	---	16.6	14.8	15.6	20.4	19.0	19.4	21.0	19.9	20.2
25	10.2	9.8	10	16.7	14.8	15.7	19.5	18.9	19.2	23.0	20.4	21.2
26	9.8	9.0	9.3	16.6	15.4	16.0	20.4	18.9	19.3	23.6	21.1	22.2
27	9.0	8.8	8.9	16.7	15.8	16.2	19.8	19.1	19.4	23.5	21.6	22.5
28	8.8	8.2	8.5	16.9	15.5	16.2	21.4	18.8	19.6	21.8	20.9	21.4
29	---	---	---	17.8	16.6	17.1	21.2	19.6	20.5	22.5	21.5	21.9
30	---	---	---	17.8	15.8	17.2	22.7	20.8	21.7	23.4	21.8	22.5
31	---	---	---	15.8	14.2	14.8	---	---	---	23.3	22.2	22.7
MONTH	---	---	---	18.7	7.8	12.7	22.7	12.3	16.9	27.5	18.8	22.0

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.3	21.6	22.0	29.5	28.6	28.9	29.7	28.9	29.3	31.2	29.6	30.1
2	23.8	21.2	21.8	28.7	26.9	27.8	29.4	28.9	29.2	30.6	29.7	30.1
3	22.6	21.3	22.0	27.6	26.8	27.2	29.1	28.7	28.9	30.7	29.7	30.0
4	23.0	22.3	22.6	28.3	26.7	27.5	28.7	28.3	28.5	30.0	29.3	29.6
5	24.9	22.9	23.7	28.8	27.5	28.3	28.7	27.9	28.2	29.6	28.6	29.1
6	26.7	24.1	24.9	29.5	28.5	28.9	28.8	28.0	28.2	28.6	26.9	27.5
7	25.1	24.7	24.8	29.3	28.7	29.1	28.0	27.3	27.7	26.9	26.2	26.5
8	25.3	24.7	24.9	30.0	28.8	29.3	27.5	27.2	27.3	26.2	25.4	25.7
9	28.7	25.0	25.9	30.8	28.8	29.8	27.5	27.0	27.2	25.4	25.0	25.2
10	27.3	26.0	26.5	31.2	29.6	30.1	27.1	26.5	26.8	25.0	23.7	24.4
11	27.5	26.4	26.9	29.8	29.2	29.5	27.0	26.3	26.6	23.7	23.0	23.2
12	28.2	27.1	27.6	29.8	28.5	28.9	27.6	26.5	27.0	24.3	22.4	23.1
13	28.2	27.6	27.9	28.8	27.9	28.3	28.0	26.9	27.4	23.5	23.2	23.4
14	28.1	27.4	27.7	28.0	27.3	27.6	28.7	27.9	28.2	24.2	23.1	23.4
15	28.8	27.6	28.0	30.4	27.1	27.7	29.7	27.9	28.4	---	---	---
16	28.4	27.5	27.9	28.9	28.0	28.4	29.1	28.2	28.5	---	---	---
17	27.6	26.6	27.0	30.2	28.1	28.6	28.8	27.6	28.2	---	---	---
18	27.7	26.4	26.9	29.6	28.2	28.7	29.4	28.0	28.2	---	---	---
19	28.2	26.9	27.4	28.7	27.8	28.3	28.4	27.6	28.0	---	---	---
20	28.8	27.2	27.7	28.8	27.5	28.0	29.0	27.7	28.2	---	---	---
21	28.1	26.8	27.5	28.8	27.8	28.2	30.9	27.8	28.4	---	---	---
22	26.8	26.0	26.4	29.0	28.3	28.6	29.6	28.4	29.0	23.8	23.1	23.6
23	27.6	25.6	26.4	28.4	27.4	27.9	30.7	28.9	29.5	24.0	23.6	23.9
24	29.4	26.2	27.3	27.6	26.8	27.2	29.9	28.3	29.1	24.7	23.6	24.1
25	30.8	27.4	28.8	28.6	27.0	27.3	29.8	28.2	28.9	24.2	23.5	23.8
26	28.8	27.7	28.2	28.4	27.1	27.7	30.2	28.3	29.1	24.8	23.7	24.1
27	29.2	27.8	28.6	28.9	27.6	28.2	31.0	28.8	29.8	24.7	23.8	24.3
28	29.5	28.3	28.7	29.3	28.1	28.7	31.5	29.4	30.1	25.3	24.2	24.6
29	30.1	28.5	29.0	31.1	28.7	29.2	31.0	30.1	30.4	25.2	23.7	24.4
30	30.6	28.8	29.1	31.1	28.9	29.4	30.8	29.8	30.3	24.0	22.5	22.9
31	---	---	---	30.4	29.0	29.3	31.3	29.7	30.1	---	---	---
MONTH	30.8	21.2	26.5	31.2	26.7	28.5	31.5	26.3	28.5	---	---	---

## PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.0	24.6	24.7	15.2	13.7	14.3	9.3	8.5	8.8	7.7	7.4	7.5
2	24.9	24.6	24.7	14.6	13.5	13.9	8.7	8.2	8.5	---	---	---
3	25.5	24.8	25.2	14.3	13.4	13.8	8.7	7.6	8.2	---	---	---
4	26.2	24.9	25.3	14.0	13.6	13.8	7.6	6.7	7.1	---	---	---
5	26.0	25.0	25.4	14.0	13.5	13.7	7.5	6.5	7.0	9.0	8.6	8.9
6	26.4	25.6	26.1	14.2	13.8	14.0	6.5	5.9	6.3	---	---	---
7	25.9	25.3	25.5	13.8	13.4	13.5	6.9	5.8	6.5	---	---	---
8	25.8	24.5	25.2	13.7	13.3	13.6	6.8	6.4	6.6	7.4	6.6	6.9
9	24.5	24.0	24.2	13.8	13.4	13.6	6.8	6.0	6.6	7.6	6.7	7.0
10	24.1	23.6	23.9	15.0	13.7	14.3	6.6	6.3	6.5	8.1	7.4	7.8
11	24.1	23.7	23.9	16.4	15.0	15.6	6.8	6.3	6.5	8.3	7.2	7.8
12	23.8	23.5	23.6	17.1	16.1	16.4	6.9	6.4	6.7	8.0	7.0	7.6
13	23.6	23.3	23.4	17.0	15.6	16.4	6.9	6.6	6.8	---	---	---
14	23.4	21.9	22.8	16.0	14.2	15.1	7.7	6.9	7.3	---	---	---
15	22.6	21.0	21.8	14.8	14.2	14.6	7.6	7.0	7.2	---	---	---
16	21.1	20.7	20.9	14.9	14.7	14.8	7.6	7.1	7.4	6.7	5.4	6.1
17	20.9	20.2	20.4	15.2	14.8	15.0	7.7	7.4	7.6	6.0	4.9	5.3
18	20.3	18.5	19.5	15.1	13.9	14.3	7.5	7.4	7.5	4.9	4.0	4.3
19	19.9	19.0	19.7	14.3	14.1	14.2	7.8	7.5	7.6	4.3	3.7	4.0
20	19.9	19.4	19.7	14.1	13.6	13.9	9.4	7.6	8.3	4.1	3.0	3.6
21	19.7	19.2	19.4	14.0	13.8	13.9	9.4	8.7	8.9	4.5	3.8	4.3
22	19.6	19.3	19.5	14.2	13.5	14.0	9.1	8.7	8.9	4.4	3.4	4.1
23	19.4	18.8	19.1	13.5	12.5	12.8	9.0	8.6	8.9	4.2	1.7	2.9
24	19.0	18.7	18.8	12.7	11.9	12.2	9.1	8.7	8.9	---	---	---
25	19.0	18.8	18.9	12.3	11.6	12.0	9.1	8.2	8.8	---	---	---
26	18.9	18.6	18.8	12.4	12.0	12.1	8.2	6.6	7.5	1.6	1.2	1.4
27	19.0	18.6	18.8	12.5	11.8	12.3	7.4	6.4	6.9	1.9	0.8	1.4
28	18.8	18.7	18.7	12.6	12.1	12.4	7.5	7.3	7.4	---	---	---
29	18.8	18.7	18.8	12.4	9.6	11.7	7.4	6.6	7.2	---	---	---
30	18.8	17.1	18.0	9.6	8.3	9.2	7.3	7.1	7.2	---	---	---
31	17.1	14.8	16.1	---	---	---	7.4	7.1	7.2	---	---	---
MONTH	26.4	14.8	21.6	17.1	8.3	13.7	9.4	5.8	7.5	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	8.6	8.3	8.5	14.4	13.8	14.1	18.1	17.0	17.3
2	---	---	---	8.4	8.3	8.3	14.6	13.6	13.9	18.7	17.3	17.8
3	---	---	---	9.0	8.4	8.8	15.2	13.8	14.6	21.4	17.8	19.4
4	---	---	---	9.2	8.8	8.9	16.7	15.1	15.8	20.4	19.7	20.0
5	---	---	---	9.0	8.8	8.9	17.0	16.2	16.6	20.0	19.4	19.8
6	---	---	---	10.9	9.0	9.3	17.6	16.5	17.2	19.7	19.3	19.4
7	---	---	---	11.0	9.8	10.4	17.0	16.3	16.7	20.1	19.2	19.5
8	---	---	---	10.0	9.7	9.9	16.4	15.4	15.9	21.9	19.4	20.5
9	---	---	---	9.8	9.5	9.6	16.0	13.8	14.6	24.7	20.6	22.0
10	---	---	---	10.5	9.6	10.1	13.8	13.2	13.4	24.5	23.4	24.0
11	---	---	---	10.4	10.3	10.3	13.4	12.6	13.1	25.5	23.4	24.2
12	---	---	---	10.3	10.2	10.3	13.5	12.4	12.6	25.6	24.2	24.9
13	---	---	---	10.3	10.3	10.3	13.8	13.4	13.5	24.3	22.8	23.3
14	---	---	---	11.6	10.3	11.1	13.9	13.4	13.6	22.9	21.8	22.2
15	---	---	---	11.0	10.6	10.8	13.7	13.4	13.5	22.6	21.5	22.1
16	---	---	---	11.2	10.8	10.9	14.2	13.6	13.9	22.5	21.9	22.2
17	---	---	---	11.3	11.0	11.1	17.3	14.1	15.0	22.6	21.8	22.3
18	---	---	---	11.6	11.2	11.4	17.6	16.9	17.2	21.9	20.5	21.3
19	6.3	6.0	6.2	12.4	11.5	11.7	17.8	17.2	17.5	20.6	19.7	20.1
20	6.3	6.0	6.1	13.3	11.9	12.3	17.2	16.4	16.8	19.9	19.3	19.5
21	---	---	---	13.6	12.1	13.0	16.6	15.7	16.0	19.7	19.5	19.6
22	7.1	6.4	6.5	14.0	12.9	13.3	16.2	15.8	15.9	19.9	19.6	19.7
23	---	---	---	14.2	13.1	13.6	17.9	16.0	16.8	20.5	19.7	20.1
24	---	---	---	14.1	13.6	13.9	17.4	16.2	16.6	20.3	19.6	20.0
25	10.2	9.6	9.9	14.1	13.8	13.9	16.4	16.1	16.2	20.6	19.9	20.1
26	9.7	9.1	9.3	14.1	13.8	13.9	16.7	16.2	16.4	21.3	20.3	20.6
27	9.2	8.8	9.0	15.0	14.0	14.4	16.9	16.4	16.6	21.7	20.8	21.2
28	8.8	8.5	8.6	16.7	14.4	15.1	16.9	16.5	16.6	21.7	20.7	21.0
29	---	---	---	17.7	15.2	16.8	17.1	16.6	16.8	22.1	21.1	21.6
30	---	---	---	17.7	15.9	16.9	17.8	16.8	17.2	22.1	21.2	21.5
31	---	---	---	15.9	13.4	14.6	---	---	---	22.5	21.3	21.9
MONTH	---	---	---	17.7	8.3	11.7	17.9	12.4	15.5	25.6	17.0	20.9

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.2	21.6	21.9	27.3	26.7	27.0	29.7	28.9	29.2	30.2	29.2	29.7
2	21.9	21.4	21.7	27.0	26.5	26.7	29.5	28.9	29.1	30.0	29.7	29.8
3	22.5	21.4	21.8	27.4	26.6	27.0	29.0	28.5	28.9	30.0	29.4	29.7
4	22.9	21.8	22.4	27.5	26.7	27.0	28.7	28.3	28.5	29.9	29.3	29.5
5	23.0	22.5	22.8	28.7	27.0	27.6	28.3	27.8	28.0	29.6	28.2	28.9
6	23.1	22.3	22.7	29.1	28.1	28.5	28.2	27.8	28.1	28.5	26.9	27.5
7	24.9	22.3	23.3	29.1	28.6	28.9	28.0	27.4	27.7	26.9	26.2	26.5
8	25.1	24.0	24.7	29.0	28.4	28.6	27.5	27.1	27.3	26.2	25.4	25.7
9	25.0	23.9	24.5	30.1	28.6	29.1	27.5	26.9	27.1	25.9	25.0	25.3
10	24.9	24.0	24.4	30.3	29.4	29.8	27.1	26.5	26.8	25.0	23.7	24.4
11	25.6	24.1	24.6	29.9	29.2	29.5	26.8	26.2	26.5	23.8	23.0	23.3
12	27.9	24.7	26.6	29.3	28.3	28.8	27.3	26.5	26.8	23.2	22.4	22.9
13	28.1	27.2	27.7	28.6	28.0	28.3	27.1	26.9	27.0	23.3	23.1	23.2
14	28.1	27.2	27.6	28.0	27.0	27.4	27.0	26.7	26.8	23.4	23.2	23.3
15	28.2	27.3	27.7	27.3	26.9	27.1	26.9	26.7	26.8	---	---	---
16	28.1	27.4	27.6	28.5	26.9	27.2	28.2	26.8	27.4	---	---	---
17	27.6	26.7	27.1	28.7	27.3	27.8	28.4	27.6	27.9	---	---	---
18	26.7	26.5	26.6	28.9	28.2	28.3	28.3	27.7	27.9	---	---	---
19	27.5	26.4	26.7	28.7	28.0	28.4	28.0	27.5	27.7	---	---	---
20	27.4	26.4	26.7	28.0	27.2	27.5	27.7	27.4	27.6	---	---	---
21	27.3	26.5	26.8	28.5	27.1	27.5	27.8	27.5	27.6	---	---	---
22	26.8	24.8	25.7	29.1	28.4	28.6	28.2	27.5	27.7	23.5	23.1	23.2
23	25.8	25.2	25.5	28.5	27.4	27.9	29.2	27.5	28.7	23.8	23.2	23.6
24	26.3	25.3	25.6	27.5	26.6	27.0	29.0	28.2	28.5	24.0	23.6	23.8
25	26.0	25.1	25.4	27.2	26.9	27.0	28.4	27.9	28.1	23.8	23.7	23.7
26	27.0	25.2	25.8	27.3	26.7	27.0	28.7	27.9	28.2	23.9	23.7	23.7
27	28.3	27.0	27.6	28.7	26.9	27.5	29.1	28.1	28.6	24.0	23.7	23.8
28	28.6	27.5	27.9	28.9	27.8	28.4	29.8	28.8	29.3	24.6	23.8	24.0
29	27.8	26.9	27.2	29.0	28.4	28.6	30.3	29.2	29.6	24.5	23.8	24.1
30	27.2	26.9	27.0	29.6	28.4	29.0	30.3	29.6	29.9	24.1	22.1	23.0
31	---	---	---	29.2	28.8	29.0	30.2	29.5	29.8	---	---	---
MONTH	28.6	21.4	25.5	30.3	26.5	28.0	30.3	26.2	28.0	---	---	---

## PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.1	6.0	6.9	8.3	7.4	7.8	10.1	9.6	9.9	11.7	10.0	10.7
2	8.5	6.3	7.3	8.7	7.9	8.4	10.3	9.8	10	---	---	---
3	8.6	6.7	7.3	9.0	8.2	8.4	10.4	9.8	10.1	---	---	---
4	7.8	6.4	7.2	9.2	8.3	8.7	10.8	10.3	10.5	10.9	9.9	10.4
5	8.3	6.1	6.8	9.0	8.5	8.7	10.9	10.4	10.7	11.1	10.1	10.7
6	7.5	5.9	6.5	8.8	8.3	8.5	11.4	10.6	11.0	11.5	10.3	10.7
7	8.1	5.9	6.8	9.3	8.2	8.7	12.2	10.8	11.2	10.8	10.0	10.4
8	7.5	6.3	6.8	9.7	8.5	9.1	11.9	10.8	11.5	10.5	9.9	10.3
9	7.0	6.3	6.5	10.6	9.0	9.6	12.0	11.2	11.6	10.7	10.3	10.5
10	6.8	6.0	6.4	9.9	9.3	9.6	11.6	10.9	11.3	10.8	10.0	10.5
11	6.4	6.0	6.2	9.5	8.6	9.1	11.4	10.8	11.1	11.2	10.3	10.7
12	7.2	6.0	6.5	9.2	8.4	8.7	11.8	10.9	11.3	11.1	10.8	10.9
13	8.8	6.3	7.1	8.6	7.9	8.1	11.6	10.8	11.2	---	---	---
14	7.7	6.6	7.1	8.7	7.9	8.2	11.2	10.7	11.0	---	---	---
15	7.4	7.0	7.2	8.9	8.3	8.5	11.8	10.8	11.2	---	---	---
16	7.8	7.0	7.2	8.8	7.9	8.4	12.1	11.2	11.6	11.8	10.9	11.3
17	9.0	6.8	7.3	8.3	7.6	8.0	12.7	11.4	12.0	11.3	10.9	11.1
18	8.7	7.6	8.0	8.8	7.7	8.2	12.5	10.7	11.7	11.9	11.0	11.3
19	9.5	7.4	8.1	8.9	7.9	8.2	11.7	10.3	10.8	11.7	10.8	11.3
20	9.8	7.7	8.4	8.4	7.6	8.1	10.5	8.8	9.7	11.9	11.4	11.6
21	9.1	7.5	8.2	8.8	7.8	8.3	10.2	9.5	9.8	11.8	11.5	11.6
22	7.6	7.0	7.3	8.2	7.7	8.0	10.2	9.6	9.9	11.8	11.3	11.6
23	8.2	7.2	7.5	8.8	8.0	8.4	10.3	9.8	10.0	11.8	11.2	11.6
24	7.7	7.1	7.3	9.1	8.5	8.7	10.2	9.7	10.0	---	---	---
25	7.6	6.8	7.1	10.1	8.6	9.1	9.8	9.3	9.6	---	---	---
26	7.7	6.8	7.2	9.2	8.5	9.0	10.0	9.4	9.7	12.6	12.0	12.4
27	8.1	7.2	7.6	9.1	8.4	8.8	10.3	9.7	9.9	12.6	11.9	12.3
28	8.0	7.2	7.6	9.6	8.7	9.1	12.8	9.7	11.2	12.6	12.2	12.4
29	7.5	6.5	7.0	9.7	9.0	9.4	11.4	10.2	10.8	12.6	12.3	12.4
30	7.0	6.6	6.8	9.9	9.2	9.6	12.1	10.7	11.4	12.5	12.0	12.2
31	7.7	6.9	7.3	---	---	---	12.0	10.0	11.4	12.0	11.7	11.8
MONTH	9.8	5.9	7.2	10.6	7.4	8.6	12.8	8.8	10.7	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.9	11.6	11.8	12.3	10.1	11.0	8.6	8.2	8.4	8.3	6.8	7.6
2	12.0	11.6	11.8	12.0	10.1	11.3	8.8	8.3	8.5	7.2	6.4	6.7
3	12.4	11.6	12.0	11.8	10.7	11.2	9.2	8.0	8.5	6.6	6.1	6.3
4	11.7	10.2	11.0	11.9	10.7	11.3	8.5	8.2	8.4	6.7	6.3	6.5
5	11.6	10.9	11.2	11.6	10.3	11.0	8.4	8.1	8.3	6.6	6.3	6.5
6	11.6	11.2	11.3	11.1	9.8	10.6	8.4	8.0	8.2	6.8	6.4	6.6
7	11.2	10.6	10.8	10.0	9.2	9.6	8.4	8.0	8.2	7.3	6.5	6.9
8	12.5	10.7	11.2	11.3	9.2	9.6	8.4	8.1	8.3	6.8	6.4	6.6
9	13.6	10.7	11.5	11.8	9.4	10.3	8.8	8.2	8.5	7.2	6.3	6.7
10	12.5	10.8	11.5	10.9	10.1	10.3	9.3	8.8	9.1	6.7	5.9	6.3
11	11.4	10.5	10.9	10.4	9.9	10.2	9.2	8.9	9.1	6.3	5.4	6.1
12	11.2	10.7	11.0	10.7	9.5	10.0	9.3	9.1	9.2	6.7	5.8	6.4
13	11.2	10.7	11.0	10.7	9.9	10.4	9.3	8.7	9.0	6.9	6.4	6.7
14	11.6	10.8	11.1	10.5	9.2	9.6	8.7	8.2	8.5	6.8	6.7	6.8
15	11.6	10.9	11.3	9.8	9.2	9.5	8.4	7.9	8.2	6.8	6.6	6.7
16	10.9	10.3	10.6	10.3	9.1	9.6	8.3	7.7	8.0	6.6	6.2	6.5
17	10.7	10.1	10.5	10.1	8.8	9.4	8.2	7.6	7.8	6.6	6.1	6.3
18	11.8	10.5	11.0	9.4	8.8	9.1	7.9	7.7	7.8	6.7	6.4	6.5
19	11.3	10.3	10.9	9.3	8.6	9.0	8.2	7.7	7.9	7.1	6.6	6.9
20	11.2	9.8	10.8	9.0	8.5	8.7	8.2	7.9	8.0	7.2	6.8	7.0
21	11.5	10.0	10.6	9.7	8.3	8.8	9.8	7.7	8.1	7.1	6.6	6.8
22	11.1	9.6	10.5	11.3	8.4	9.0	9.6	7.9	8.4	6.8	6.6	6.7
23	---	---	---	11.1	8.2	9.8	8.4	7.6	8.1	6.8	6.6	6.7
24	---	---	---	9.1	7.3	8.2	8.7	7.3	7.7	7.1	6.7	6.8
25	10.4	9.6	10.0	9.7	7.9	8.5	8.4	7.6	8.0	7.0	6.6	6.8
26	10.4	9.8	10.0	8.8	8.2	8.5	9.1	7.7	8.1	6.8	6.3	6.5
27	10.2	9.8	10	8.3	7.7	8.0	8.5	7.2	7.9	6.9	6.4	6.7
28	10.7	9.7	10.1	8.2	7.6	7.9	9.4	6.5	7.9	6.6	6.2	6.4
29	---	---	---	8.0	7.5	7.7	8.4	7.6	7.9	6.6	6.2	6.4
30	---	---	---	7.8	7.2	7.5	9.0	7.5	8.1	6.8	6.2	6.5
31	---	---	---	8.6	7.7	8.1	---	---	---	6.8	6.3	6.6
MONTH	---	---	---	12.3	7.2	9.5	9.8	6.5	8.3	8.3	5.4	6.6

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.4	4.0	5.6	8.1	7.6	7.8	9.6	9.2	9.3	7.6	6.0	6.6
2	5.6	3.5	4.1	8.5	7.6	8.1	9.7	8.8	9.3	---	---	---
3	6.2	3.1	4.7	8.7	7.6	8.2	9.7	8.4	9.2	---	---	---
4	5.8	1.9	3.3	8.4	7.3	7.7	9.9	9.3	9.7	---	---	---
5	5.5	1.6	2.6	8.7	7.3	7.9	10.0	9.2	9.7	9.2	5.4	7.3
6	6.2	2.1	5.4	8.4	7.5	8.1	10.2	9.9	10.1	10.3	5.2	7.3
7	6.0	4.6	5.2	9.1	8.0	8.5	10.2	9.2	9.8	10.1	9.3	9.7
8	6.5	4.5	6.0	9.3	7.9	8.6	9.8	9.2	9.6	9.9	9.2	9.6
9	6.3	5.4	5.9	8.8	7.2	7.9	10.2	8.8	9.1	10.0	8.9	9.5
10	5.9	3.7	5.0	9.4	6.6	8.9	10.0	9.0	9.4	9.7	8.7	9.4
11	5.9	3.6	4.5	9.2	8.6	8.8	10.0	8.6	9.4	9.9	7.1	8.9
12	6.3	5.3	5.8	8.6	8.1	8.3	10.0	8.2	8.8	9.2	7.1	8.2
13	6.2	5.2	5.9	8.2	7.3	7.8	10.1	8.2	9.3	---	---	---
14	7.2	5.2	6.3	7.7	7.2	7.4	9.9	9.0	9.5	---	---	---
15	7.0	5.8	6.4	8.0	6.8	7.2	10.3	9.6	9.8	---	---	---
16	7.0	5.9	6.6	7.8	6.8	7.2	10.6	9.0	9.9	11.3	8.2	10.2
17	6.8	5.6	6.2	7.9	6.4	6.9	10.3	9.5	9.9	11.5	9.9	10.9
18	7.5	6.0	6.9	8.2	6.6	7.7	10.1	9.2	9.6	11.6	10.8	11.3
19	6.6	5.3	6.1	8.1	6.8	7.2	9.3	8.2	8.8	11.9	10.8	11.5
20	6.3	3.6	4.8	7.8	6.7	7.1	9.4	7.5	8.5	12.0	11.4	11.7
21	6.4	3.8	5.0	7.4	6.5	6.9	9.7	7.1	8.6	11.9	11.0	11.5
22	5.8	3.6	4.8	8.0	6.3	6.8	9.8	8.3	9.4	11.7	10.4	10.8
23	5.8	5.0	5.4	8.4	7.9	8.1	9.9	8.6	9.4	12.1	9.8	11.4
24	5.8	4.2	5.0	8.7	7.9	8.2	9.6	7.0	9.0	---	---	---
25	4.5	3.6	4.0	8.6	7.2	8.0	9.5	8.8	9.1	---	---	---
26	5.4	2.9	3.8	8.3	7.0	7.7	10.2	9.1	9.4	12.1	10.9	11.7
27	4.7	2.0	3.1	8.6	7.0	7.7	10.2	8.8	9.6	12.8	10.3	11.9
28	4.8	3.0	4.4	7.6	6.2	6.9	8.8	7.7	8.4	---	---	---
29	4.9	3.2	3.8	8.9	6.0	6.7	10.6	7.0	8.4	---	---	---
30	6.8	3.0	4.9	9.3	8.8	9.2	9.4	7.7	8.8	---	---	---
31	8.0	6.8	7.2	---	---	---	9.2	7.1	8.3	---	---	---
MONTH	8.0	1.6	5.1	9.4	6.0	7.8	10.6	7.0	9.3	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	11.1	10.2	10.6	8.7	7.8	8.3	0.4	0.0	0.0
2	---	---	---	10.6	9.6	10.1	8.5	7.5	8.2	1.0	0.0	0.2
3	---	---	---	9.9	8.2	8.8	---	---	---	5.9	0.0	1.4
4	---	---	---	10.6	9.2	9.7	---	---	---	3.7	1.9	2.7
5	---	---	---	9.4	8.2	8.9	---	---	---	6.1	2.4	3.7
6	---	---	---	9.5	7.0	7.8	---	---	---	6.1	2.6	3.6
7	---	---	---	10.4	8.4	10.0	---	---	---	5.1	2.5	3.8
8	---	---	---	10.0	9.2	9.7	---	---	---	5.8	3.0	4.2
9	---	---	---	9.7	8.6	9.2	---	---	---	6.4	3.2	4.9
10	---	---	---	10.7	8.4	9.3	---	---	---	6.2	4.8	5.6
11	---	---	---	9.4	8.3	8.9	---	---	---	5.5	4.0	4.8
12	---	---	---	8.4	6.9	7.7	---	---	---	6.4	5.4	6.0
13	---	---	---	7.7	5.8	6.8	---	---	---	6.6	5.6	6.4
14	---	---	---	9.8	6.0	9.1	---	---	---	6.6	4.7	5.7
15	---	---	---	9.7	8.8	9.3	---	---	---	6.6	4.2	5.7
16	---	---	---	9.2	8.0	8.7	---	---	---	6.1	4.1	4.8
17	---	---	---	8.5	7.3	7.9	---	---	---	6.6	4.6	5.8
18	---	---	---	8.4	7.5	8.0	---	---	---	6.8	5.8	6.5
19	12.4	11.0	11.8	8.7	6.4	7.3	---	---	---	7.1	6.7	6.8
20	11.8	10.1	10.8	8.5	5.5	6.7	---	---	---	7.2	6.1	6.7
21	---	---	---	8.5	4.4	6.5	---	---	---	6.1	5.2	5.7
22	9.0	7.6	8.5	8.3	4.0	6.2	---	---	---	5.4	4.9	5.1
23	---	---	---	7.9	4.0	6.1	---	---	---	6.6	4.0	5.0
24	---	---	---	6.8	5.3	5.9	2.7	0.2	0.9	6.9	6.4	6.7
25	11.3	9.1	10.6	5.4	3.4	4.7	0.4	0.0	0.2	6.5	5.1	5.8
26	11.1	10.5	10.8	4.4	2.9	3.6	0.2	0.0	0.1	6.0	4.5	5.3
27	11.0	10.1	10.6	5.2	3.0	3.5	0.4	0.0	0.1	5.6	5.0	5.2
28	11.0	10.3	10.7	8.0	2.7	4.4	0.1	0.0	0.0	6.3	5.0	5.9
29	---	---	---	8.2	3.4	7.1	0.2	0.0	0.1	6.2	4.6	5.4
30	---	---	---	7.8	3.3	6.8	0.4	0.0	0.1	6.5	5.9	6.2
31	---	---	---	8.7	7.8	8.2	---	---	---	6.8	5.2	6.1
MONTH	---	---	---	11.1	2.7	7.7	---	---	---	7.2	0.0	4.9



## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	6.6	6.9	3.6	2.0	2.8	5.3	4.6	5.1	5.8	5.2	5.5
2	6.9	5.8	6.5	4.5	1.3	1.9	5.6	4.9	5.3	5.9	5.5	5.7
3	6.9	5.6	6.3	6.0	1.2	4.6	5.6	5.3	5.5	6.0	5.1	5.6
4	6.9	5.4	6.5	6.0	3.8	4.8	5.8	5.2	5.6	5.7	5.2	5.5
5	7.0	5.4	6.4	6.1	4.9	5.8	6.0	5.5	5.8	5.7	5.1	5.5
6	6.1	3.8	5.3	6.1	5.7	6.0	6.1	5.5	5.9	5.9	5.5	5.7
7	6.4	4.4	5.3	6.2	5.8	6.1	6.6	5.5	6.1	5.9	5.6	5.7
8	6.6	5.4	6.3	6.2	5.5	5.9	6.6	6.1	6.4	6.1	5.7	5.9
9	6.5	4.8	5.7	6.0	5.0	5.6	6.5	5.7	6.2	6.3	2.5	5.5
10	6.0	4.5	5.1	5.8	5.5	5.7	6.5	5.4	5.9	6.7	6.2	6.5
11	4.7	2.4	4.0	6.1	5.6	5.9	6.6	5.7	6.2	---	---	---
12	5.7	2.2	4.7	6.2	5.6	6.0	6.4	5.4	6.1	---	---	---
13	5.8	4.2	5.6	6.2	5.6	6.0	5.9	4.3	5.2	---	---	---
14	6.0	5.6	5.8	6.4	5.8	6.1	4.8	4.3	4.6	---	---	---
15	6.0	5.4	5.8	6.1	5.1	5.8	4.6	3.4	4.2	---	---	---
16	5.9	5.0	5.6	5.9	4.9	5.4	4.7	2.2	3.4	---	---	---
17	5.9	5.2	5.7	6.0	3.9	5.2	5.5	4.5	5.0	---	---	---
18	6.3	5.3	5.7	6.0	5.0	5.6	5.5	4.6	5.3	---	---	---
19	5.9	4.5	5.3	6.2	5.3	5.9	5.4	4.8	5.1	---	---	---
20	5.6	3.5	4.6	6.1	5.6	5.9	5.3	4.1	4.7	---	---	---
21	6.0	4.7	5.4	5.7	4.6	5.2	4.8	3.7	4.5	---	---	---
22	6.6	5.7	6.2	6.4	5.7	6.0	4.2	3.0	3.6	5.7	4.4	5.2
23	6.5	5.6	6.2	6.7	6.3	6.5	5.4	2.9	4.5	6.1	4.0	5.1
24	6.1	4.9	5.6	6.8	5.8	6.3	5.6	4.0	5.0	5.7	3.5	5.1
25	5.9	4.5	5.0	6.0	5.2	5.7	4.8	0.7	2.1	5.0	3.6	4.2
26	5.2	2.9	4.2	5.7	4.6	5.1	4.9	0.7	3.0	3.9	3.0	3.4
27	6.0	4.9	5.7	5.8	4.2	5.0	5.3	4.3	4.8	3.1	2.3	2.7
28	6.2	5.2	5.7	6.1	5.4	5.8	5.5	4.7	5.2	4.8	2.1	3.2
29	5.3	3.5	4.3	6.2	5.6	5.9	5.8	3.8	5.2	6.2	2.1	5.4
30	4.1	2.9	3.5	6.1	4.5	5.4	6.0	5.5	5.8	7.0	5.8	6.5
31	---	---	---	5.3	4.9	5.1	6.0	5.6	5.8	---	---	---
MONTH	7.1	2.2	5.5	6.8	1.2	5.5	6.6	0.7	5.1	---	---	---

## PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	100	72	84	82	74	78	87	83	85	98	85	91
2	106	76	90	85	78	81	87	82	85	---	---	---
3	108	82	91	87	79	82	88	83	86	---	---	---
4	98	79	90	90	80	84	88	84	86	96	86	91
5	106	76	85	87	81	84	89	85	87	96	87	92
6	95	73	81	85	81	82	91	85	88	100	88	92
7	99	72	83	90	79	84	98	86	89	93	85	88
8	93	76	83	94	81	88	96	86	92	86	81	85
9	84	75	78	103	86	92	96	90	93	89	84	86
10	81	71	76	98	90	94	93	87	91	91	83	88
11	76	71	73	97	88	92	93	88	90	94	85	89
12	85	71	77	95	86	90	98	89	92	91	87	89
13	105	74	83	89	80	83	95	90	93	---	---	---
14	91	77	83	86	78	82	94	89	91	---	---	---
15	84	79	81	88	80	83	100	90	93	---	---	---
16	88	78	81	87	79	83	101	93	97	95	86	90
17	101	76	81	83	76	80	106	95	100	89	86	87
18	96	83	88	86	76	80	104	89	97	92	84	87
19	104	80	88	85	77	79	98	87	91	89	82	86
20	109	84	92	82	74	79	89	75	83	91	86	88
21	101	81	89	85	76	80	89	82	85	90	87	88
22	82	75	78	80	75	78	89	82	85	90	85	88
23	87	76	80	83	76	79	89	84	86	88	83	85
24	81	75	77	85	78	81	88	83	86	---	---	---
25	81	72	76	98	79	85	85	80	82	---	---	---
26	83	72	78	87	80	84	84	78	81	89	84	87
27	87	77	81	84	78	81	85	80	81	89	83	87
28	86	77	81	84	79	81	102	80	90	92	86	87
29	80	69	75	85	79	83	94	83	88	92	87	89
30	74	69	72	86	81	84	100	88	93	91	87	89
31	77	72	74	---	---	---	101	83	95	89	86	88
MONTH	109	69	82	103	74	83	106	75	89	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	89	86	88	110	85	95	84	79	82	96	79	88
2	92	86	89	107	88	100	88	80	83	83	75	78
3	98	89	92	106	95	99	94	80	86	77	70	73
4	91	79	87	106	93	100	88	84	86	74	70	72
5	95	87	91	107	93	100	89	84	86	72	69	71
6	95	90	92	102	90	98	88	83	86	76	70	72
7	91	86	88	92	82	86	87	82	84	85	73	78
8	103	85	90	106	82	85	84	81	83	82	74	78
9	113	86	93	112	82	93	86	81	84	87	76	80
10	101	87	92	101	91	94	89	84	87	85	71	77
11	93	83	88	93	88	91	88	85	87	77	66	74
12	91	86	89	99	84	90	89	85	87	81	71	77
13	91	85	88	100	90	95	89	83	87	81	76	79
14	95	87	90	98	84	88	85	81	84	80	76	78
15	96	89	92	89	82	86	86	79	82	79	76	77
16	89	84	86	96	83	88	88	77	82	80	72	76
17	87	82	85	99	82	89	89	80	83	78	72	74
18	95	83	88	89	82	86	83	80	82	76	72	74
19	92	84	88	88	80	84	86	81	83	78	73	76
20	93	80	89	85	81	83	85	82	83	80	75	77
21	96	82	87	96	80	86	107	80	85	81	72	76
22	94	80	89	116	83	90	108	84	91	77	74	76
23	---	---	---	116	85	102	92	82	88	76	74	75
24	---	---	---	94	73	83	97	79	84	79	74	76
25	93	85	89	100	78	86	92	82	87	81	74	77
26	91	86	87	90	82	86	101	83	89	80	73	75
27	88	85	86	85	78	81	93	79	86	80	74	77
28	91	83	87	83	78	80	106	70	86	75	70	73
29	---	---	---	84	77	80	95	83	88	76	70	73
30	---	---	---	80	76	78	104	84	92	80	71	75
31	---	---	---	85	77	80	---	---	---	79	73	77
MONTH	---	---	---	116	73	89	108	70	85	96	66	76

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED  
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	84	77	81	74	69	71	74	67	70	81	76	79
2	83	78	81	72	66	69	78	67	73	80	76	78
3	81	78	80	80	70	77	77	74	75	80	74	77
4	82	79	80	81	78	79	79	72	75	78	73	75
5	87	82	84	81	72	77	81	76	78	78	74	76
6	90	82	85	80	76	79	81	76	79	78	74	76
7	85	77	82	83	78	80	81	73	77	78	74	76
8	84	79	82	82	77	79	80	76	78	82	77	80
9	86	80	82	81	74	78	79	69	76	86	81	83
10	82	76	79	78	73	75	79	66	72	87	83	85
11	79	72	75	82	73	78	80	70	74	87	84	86
12	78	71	76	81	77	79	78	71	75	87	84	86
13	80	75	78	81	77	79	71	61	65	86	84	85
14	82	78	80	81	75	77	67	62	64	84	81	82
15	83	78	80	81	75	77	66	55	61	---	---	---
16	80	76	78	79	76	77	64	53	59	---	---	---
17	80	76	78	79	69	75	73	57	66	---	---	---
18	81	75	78	78	75	76	72	67	70	---	---	---
19	78	75	76	78	68	74	72	68	70	---	---	---
20	77	72	75	77	73	75	70	66	68	---	---	---
21	76	72	74	74	70	72	74	65	68	---	---	---
22	76	73	75	80	71	75	69	66	68	75	67	71
23	80	75	78	82	78	80	75	61	68	80	69	75
24	81	75	78	82	76	79	73	66	69	75	66	72
25	80	74	78	77	71	74	69	61	65	72	63	67
26	75	69	72	76	71	73	71	59	67	67	56	63
27	76	68	73	74	63	69	75	69	72	66	54	61
28	78	72	75	79	70	75	77	64	72	72	60	66
29	76	69	73	84	75	79	79	71	75	77	66	72
30	76	70	72	83	68	77	81	74	79	87	70	76
31	---	---	---	74	68	70	83	77	80	---	---	---
MONTH	90	68	78	84	63	76	83	53	71	---	---	---

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	78	48	68	80	74	77	82	79	81	64	50	56
2	68	42	50	82	75	78	83	76	79	---	---	---
3	76	38	57	85	73	80	82	72	79	---	---	---
4	72	23	41	81	71	74	82	78	80	---	---	---
5	68	19	32	84	71	77	82	77	80	79	47	63
6	77	26	67	82	73	79	83	80	82	89	45	63
7	74	56	63	88	77	82	83	76	80	87	79	83
8	79	55	73	89	76	83	80	76	78	82	75	79
9	76	64	70	84	70	76	82	72	75	83	73	78
10	70	44	60	93	64	87	81	74	77	82	73	79
11	70	43	53	92	86	89	81	71	77	84	60	75
12	75	63	68	88	82	85	82	67	72	76	60	69
13	73	61	69	85	74	80	83	68	76	---	---	---
14	83	61	74	77	71	74	83	74	79	---	---	---
15	80	67	73	79	67	71	86	79	81	---	---	---
16	79	66	74	77	67	71	89	75	82	90	67	82
17	76	62	69	79	64	68	86	80	83	90	79	86
18	83	67	76	80	66	75	84	77	81	90	84	87
19	72	58	67	79	66	70	78	69	74	91	83	88
20	69	40	53	75	65	69	82	63	72	92	86	88
21	70	42	55	72	63	67	84	61	74	92	85	88
22	63	39	53	77	61	66	85	72	81	89	80	83
23	62	54	59	80	75	77	86	75	82	89	75	85
24	62	45	54	81	74	77	83	61	78	---	---	---
25	49	39	43	81	67	74	82	76	79	---	---	---
26	58	31	41	77	65	72	84	76	79	86	78	83
27	50	22	33	80	66	72	83	73	79	90	74	85
28	52	32	47	71	58	64	73	64	70	---	---	---
29	53	34	41	78	56	62	88	58	70	---	---	---
30	71	32	52	82	77	80	78	64	73	---	---	---
31	79	70	73	---	---	---	76	59	69	---	---	---
MONTH	83	19	58	93	56	75	89	58	77	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	95	88	90	85	76	81	4	0	0
2	---	---	---	90	82	86	83	73	80	11	0	2
3	---	---	---	86	71	76	---	---	---	67	0	16
4	---	---	---	92	79	84	---	---	---	41	21	30
5	---	---	---	81	71	77	---	---	---	66	26	41
6	---	---	---	86	61	68	---	---	---	66	28	40
7	---	---	---	94	75	90	---	---	---	56	27	42
8	---	---	---	89	81	86	---	---	---	66	33	47
9	---	---	---	85	76	81	---	---	---	77	36	57
10	---	---	---	96	74	83	---	---	---	75	57	67
11	---	---	---	84	74	80	---	---	---	67	48	57
12	---	---	---	75	62	69	---	---	---	77	66	72
13	---	---	---	69	52	61	---	---	---	77	67	75
14	---	---	---	89	54	83	---	---	---	77	54	65
15	---	---	---	88	80	84	---	---	---	76	48	66
16	---	---	---	84	73	79	---	---	---	71	47	55
17	---	---	---	78	66	72	---	---	---	76	53	67
18	---	---	---	77	69	73	---	---	---	76	66	73
19	101	89	95	82	59	67	---	---	---	78	74	76
20	95	82	87	81	51	63	---	---	---	78	67	73
21	---	---	---	82	41	62	---	---	---	67	57	62
22	74	62	69	81	38	59	---	---	---	59	54	56
23	---	---	---	77	38	59	---	---	---	74	44	55
24	---	---	---	66	52	57	28	2	9	76	70	73
25	101	80	94	53	33	46	4	0	2	72	57	64
26	98	91	94	43	28	35	2	0	0	68	50	59
27	95	88	92	52	29	34	4	0	1	64	56	59
28	94	89	92	82	26	44	1	0	0	71	57	66
29	---	---	---	86	34	73	2	0	0	71	52	61
30	---	---	---	82	34	70	4	0	1	74	68	71
31	---	---	---	86	77	81	---	---	---	78	59	70
MONTH	---	---	---	96	26	70	---	---	---	78	0	55

## 0208455560 PUNGO RIVER AT CHANNEL LIGHT 18—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	82	76	79	46	25	35	70	60	66	77	69	73
2	79	66	74	56	16	23	74	64	69	78	73	75
3	80	63	72	75	15	58	73	69	71	80	67	74
4	81	62	75	76	48	60	75	67	72	75	68	72
5	82	63	74	78	62	73	77	70	74	75	66	72
6	71	44	62	79	74	77	78	71	75	75	70	73
7	78	51	62	81	75	79	84	70	77	74	70	71
8	80	65	76	80	71	77	83	77	81	75	70	73
9	79	57	68	78	65	73	82	72	78	77	31	67
10	73	54	62	77	72	75	82	68	75	80	75	78
11	56	29	48	80	73	77	83	71	77	---	---	---
12	73	27	59	81	72	78	80	68	76	---	---	---
13	74	53	71	80	72	77	74	54	65	---	---	---
14	77	71	74	81	74	78	60	54	58	---	---	---
15	77	68	74	77	64	73	58	43	53	---	---	---
16	75	64	71	76	62	68	60	28	43	---	---	---
17	74	66	72	78	49	66	71	57	64	---	---	---
18	79	66	72	77	64	72	71	59	68	---	---	---
19	74	56	66	80	68	76	69	61	65	---	---	---
20	71	44	58	78	71	75	67	52	59	---	---	---
21	76	59	68	74	58	67	61	47	57	---	---	---
22	80	70	76	84	74	78	53	38	46	67	52	61
23	80	69	76	85	81	84	70	37	59	72	47	61
24	76	60	69	86	73	79	73	52	65	68	42	60
25	73	55	61	76	65	72	62	9	28	59	43	50
26	65	35	52	72	58	64	63	9	39	46	36	40
27	77	62	73	75	53	64	69	56	63	37	27	32
28	80	66	73	79	69	75	73	62	68	57	25	38
29	68	44	54	80	72	77	77	50	69	75	25	65
30	52	36	44	79	58	70	80	73	76	81	68	76
31	---	---	---	69	64	67	80	74	77	---	---	---
MONTH	82	27	67	86	15	70	84	9	65	---	---	---