

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18

LOCATION.--Lat 35°31'04", long 76°29'48", Hyde County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 18.

PERIOD OF RECORD.--May to September 2002.

PERIOD OF DAILY RECORD.--

SALINITY (TOP AND BOTTOM): May to September 2002

pH (TOP AND BOTTOM): May to September 2002

WATER TEMPERATURE (TOP AND BOTTOM): May to September 2002

DISSOLVED OXYGEN (TOP AND BOTTOM): May to September 2002

DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): May to September 2002

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

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

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	18.1, September 25, 30	10.5, May 20
SALINITY (BOTTOM), ppt	18.9, September 4	10.8, May 20
pH (TOP), standard units	8.5, July 17	7.1, June 5
pH (BOTTOM), standard units	8.0, July 19, August 24	6.6, May 9
WATER TEMPERATURE (TOP), °C	32.2, July 31	18.4, May 23
WATER TEMPERATURE (BOTTOM), °C	30.8, July 31	18.4, May 23
DISSOLVED OXYGEN (TOP), mg/L	12.2, July 17	3.5, August 7
DISSOLVED OXYGEN (BOTTOM), mg/L	8.0, May 22	<1.0, on many days during the period
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	163, July 17	46, August 7
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	95, June 24	<10, on several days during the period

PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

SALINITY (PARTS PER THOUSAND), TOP, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	11.5	11.1	11.2
11	---	---	---	---	---	---	---	---	---	11.7	11.2	11.5
12	---	---	---	---	---	---	---	---	---	11.7	11.2	11.4
13	---	---	---	---	---	---	---	---	---	11.4	11.1	11.3
14	---	---	---	---	---	---	---	---	---	11.5	11.0	11.2
15	---	---	---	---	---	---	---	---	---	11.5	11.0	11.2
16	---	---	---	---	---	---	---	---	---	11.2	10.9	11.1
17	---	---	---	---	---	---	---	---	---	11.2	11.0	11.1
18	---	---	---	---	---	---	---	---	---	11.2	10.9	11.1
19	---	---	---	---	---	---	---	---	---	11.8	10.8	11.2
20	---	---	---	---	---	---	---	---	---	11.8	10.5	10.9
21	---	---	---	---	---	---	---	---	---	11.3	10.6	11.0
22	---	---	---	---	---	---	---	---	---	12.0	11.3	11.7
23	---	---	---	---	---	---	---	---	---	12.0	11.7	11.9
24	---	---	---	---	---	---	---	---	---	12.0	11.7	11.8
25	---	---	---	---	---	---	---	---	---	12.0	11.8	11.9
26	---	---	---	---	---	---	---	---	---	12.0	11.9	11.9
27	---	---	---	---	---	---	---	---	---	12.2	11.9	12.0
28	---	---	---	---	---	---	---	---	---	12.5	12.0	12.2
29	---	---	---	---	---	---	---	---	---	12.9	12.4	12.6
30	---	---	---	---	---	---	---	---	---	12.9	12.7	12.8
31	---	---	---	---	---	---	---	---	---	12.9	12.8	12.8
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.9	12.6	12.7	13.5	13.1	13.4	13.1	11.8	12.7	15.4	15.1	15.2
2	12.8	12.6	12.7	13.6	13.3	13.5	13.8	12.8	13.2	15.1	14.8	14.9
3	13.0	12.7	12.8	13.6	13.5	13.6	14.4	13.4	13.8	15.4	14.9	15.2
4	13.0	12.8	12.9	13.6	13.4	13.5	14.4	13.9	14.1	15.5	15.0	15.2
5	13.0	12.8	12.9	13.5	13.5	13.5	14.6	14.3	14.4	15.7	15.3	15.5
6	13.1	12.8	12.9	13.7	13.3	13.5	15.0	14.5	14.7	16.0	15.5	15.7
7	13.1	12.8	12.9	13.6	13.1	13.3	15.2	14.9	15.0	16.5	16.0	16.2
8	13.1	12.8	13.0	13.6	13.3	13.5	15.2	14.9	15.0	17.1	16.5	16.7
9	13.1	13.0	13.0	13.6	13.4	13.5	15.1	14.9	15.0	16.9	16.7	16.8
10	13.1	13.1	13.1	13.5	13.3	13.4	15.3	15.1	15.1	17.0	16.8	16.9
11	13.3	13.1	13.2	13.4	13.2	13.3	15.4	15.1	15.2	17.1	16.7	16.9
12	13.2	13.1	13.1	13.7	13.3	13.5	15.5	15.3	15.4	17.1	16.9	17.0
13	13.3	13.1	13.2	13.7	13.5	13.6	15.4	15.2	15.3	17.2	16.6	17.0
14	13.4	13.2	13.3	13.8	13.5	13.7	15.5	15.3	15.5	17.1	16.6	16.9
15	13.5	13.3	13.4	13.7	13.5	13.7	15.5	15.5	15.5	17.3	16.8	17.1
16	13.5	13.3	13.4	13.7	13.5	13.7	15.5	15.3	15.4	17.5	16.7	17.2
17	13.5	13.4	13.5	13.8	13.5	13.6	15.4	15.3	15.4	17.0	16.7	16.8
18	13.9	13.5	13.7	13.8	13.6	13.7	15.5	15.3	15.4	17.1	16.6	16.8
19	13.9	13.5	13.7	13.7	13.5	13.7	15.5	15.3	15.4	17.2	17.1	17.1
20	13.7	13.5	13.6	13.8	13.7	13.7	15.5	15.4	15.5	17.3	17.1	17.2
21	13.9	13.5	13.7	13.9	13.7	13.8	15.5	15.3	15.4	17.5	17.2	17.3
22	13.9	13.7	13.8	13.9	13.6	13.7	15.8	15.5	15.6	17.6	17.3	17.4
23	13.7	13.6	13.7	13.8	13.5	13.8	15.8	15.6	15.7	17.5	17.3	17.4
24	13.8	13.7	13.8	13.6	13.3	13.5	15.8	15.6	15.7	17.5	17.2	17.4
25	13.7	13.3	13.5	13.7	12.4	13.5	15.7	15.5	15.6	18.1	17.4	17.7
26	13.7	13.3	13.6	13.5	12.6	13.3	16.0	15.7	15.9	18.0	17.6	17.7
27	---	---	---	13.4	12.9	13.2	16.1	15.8	15.9	17.9	17.7	17.8
28	13.7	13.5	13.6	13.2	12.8	13.0	16.0	15.3	15.6	17.9	17.7	17.8
29	13.6	13.3	13.5	13.3	12.1	12.7	15.5	15.1	15.2	18.0	17.8	17.9
30	13.5	13.0	13.3	12.8	12.4	12.6	15.3	14.8	15.1	18.1	17.9	18.0
31	---	---	---	13.0	11.5	12.5	15.5	15.1	15.3	---	---	---
MONTH	---	---	---	13.9	11.5	13.4	16.1	11.8	15.1	18.1	14.8	16.8

PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

SALINITY (PARTS PER THOUSAND), BOTTOM, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	11.7	11.1	11.5
11	---	---	---	---	---	---	---	---	---	11.9	11.4	11.6
12	---	---	---	---	---	---	---	---	---	11.8	11.3	11.7
13	---	---	---	---	---	---	---	---	---	11.4	11.1	11.2
14	---	---	---	---	---	---	---	---	---	11.4	11.0	11.2
15	---	---	---	---	---	---	---	---	---	11.8	11.2	11.4
16	---	---	---	---	---	---	---	---	---	11.6	11.1	11.2
17	---	---	---	---	---	---	---	---	---	11.3	11.1	11.2
18	---	---	---	---	---	---	---	---	---	11.3	10.9	11.1
19	---	---	---	---	---	---	---	---	---	11.8	11.0	11.3
20	---	---	---	---	---	---	---	---	---	11.9	10.8	11.3
21	---	---	---	---	---	---	---	---	---	12.1	11.3	11.9
22	---	---	---	---	---	---	---	---	---	12.0	11.5	11.7
23	---	---	---	---	---	---	---	---	---	12.8	11.9	12.2
24	---	---	---	---	---	---	---	---	---	13.0	11.9	12.5
25	---	---	---	---	---	---	---	---	---	12.4	11.8	12.0
26	---	---	---	---	---	---	---	---	---	13.1	12.1	12.7
27	---	---	---	---	---	---	---	---	---	13.5	13.0	13.2
28	---	---	---	---	---	---	---	---	---	13.8	13.0	13.4
29	---	---	---	---	---	---	---	---	---	13.7	12.8	13.3
30	---	---	---	---	---	---	---	---	---	13.3	12.7	12.9
31	---	---	---	---	---	---	---	---	---	13.0	12.7	12.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.8	12.7	12.7	14.5	13.8	14.1	16.1	13.5	15.1	17.1	16.5	16.9
2	12.8	12.6	12.6	14.5	13.7	14.2	17.3	16.0	16.7	17.7	16.3	17.1
3	12.9	12.6	12.8	14.2	13.6	13.7	17.9	16.9	17.5	18.8	17.5	18.3
4	13.0	12.8	12.8	13.7	13.5	13.6	17.7	17.1	17.6	18.9	17.5	18.6
5	13.0	12.8	12.9	13.9	13.7	13.8	17.6	17.0	17.3	18.0	16.5	17.3
6	13.1	12.8	12.9	13.8	13.5	13.7	17.7	14.5	16.5	18.2	17.5	17.8
7	13.0	12.8	12.9	14.1	13.7	13.9	14.9	14.5	14.7	18.5	17.7	18.2
8	13.1	12.8	13.0	14.1	13.6	13.9	15.1	14.6	14.8	18.3	16.9	18.0
9	13.4	13.0	13.1	13.7	13.4	13.6	15.1	15.0	15.1	16.9	16.7	16.8
10	13.6	13.1	13.3	13.7	13.2	13.4	16.5	15.1	15.4	16.9	16.7	16.8
11	13.7	13.2	13.4	13.4	13.2	13.2	17.3	15.8	16.7	16.9	16.7	16.8
12	13.3	13.1	13.2	14.1	13.3	13.6	17.3	15.6	16.5	17.3	16.8	17.0
13	13.3	13.1	13.3	14.7	13.7	14.2	---	---	---	18.3	17.3	18.0
14	13.4	13.1	13.3	14.7	13.8	14.3	16.2	15.3	15.6	18.6	18.0	18.4
15	13.3	13.1	13.3	14.3	13.6	13.8	16.1	15.4	15.6	18.5	17.1	18.0
16	13.5	13.3	13.4	14.0	13.5	13.8	15.5	15.3	15.3	18.1	17.1	17.4
17	13.6	13.3	13.4	15.0	13.6	14.2	15.5	15.3	15.3	17.5	17.2	17.4
18	14.4	13.5	13.8	15.3	14.5	15.0	15.6	15.3	15.5	18.1	17.1	17.5
19	14.5	13.8	14.2	14.9	13.6	14.0	15.7	15.3	15.5	18.3	17.8	18.1
20	14.1	13.7	13.9	14.3	13.7	13.9	15.5	15.3	15.4	18.4	17.9	18.2
21	14.1	13.7	13.9	14.7	13.8	14.1	15.5	15.3	15.4	18.4	18.1	18.3
22	14.3	14.0	14.1	14.8	14.3	14.6	16.1	15.5	15.8	18.5	17.9	18.2
23	14.4	14.0	14.2	15.3	13.7	14.3	15.9	15.7	15.8	18.2	17.7	17.9
24	14.3	13.9	14.0	13.9	13.4	13.7	15.9	15.7	15.8	17.8	17.4	17.6
25	14.1	13.7	13.9	13.7	13.5	13.7	16.1	15.7	15.8	17.9	17.5	17.8
26	14.1	13.7	13.9	13.9	13.5	13.8	16.8	16.0	16.4	18.0	17.5	17.8
27	---	---	---	14.2	13.4	13.9	17.1	16.1	16.6	17.9	17.7	17.7
28	13.5	13.4	13.5	13.5	13.1	13.3	16.8	16.0	16.5	17.9	17.7	17.7
29	13.8	13.4	13.5	13.3	12.8	13.1	17.0	16.3	16.7	17.9	17.7	17.7
30	14.0	13.7	13.9	13.3	12.9	13.2	17.1	16.0	16.8	18.1	17.7	17.9
31	---	---	---	13.8	13.1	13.3	17.5	16.6	17.1	---	---	---
MONTH	---	---	---	15.3	12.8	13.8	---	---	---	18.9	16.3	17.7

PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	8.1	7.2	7.7
11	---	---	---	---	---	---	---	---	---	7.8	7.3	7.6
12	---	---	---	---	---	---	---	---	---	7.8	7.3	7.5
13	---	---	---	---	---	---	---	---	---	7.6	7.3	7.5
14	---	---	---	---	---	---	---	---	---	7.8	7.3	7.5
15	---	---	---	---	---	---	---	---	---	7.8	7.4	7.6
16	---	---	---	---	---	---	---	---	---	7.7	7.4	7.5
17	---	---	---	---	---	---	---	---	---	7.6	7.3	7.4
18	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
19	---	---	---	---	---	---	---	---	---	7.5	7.2	7.3
20	---	---	---	---	---	---	---	---	---	7.7	7.3	7.4
21	---	---	---	---	---	---	---	---	---	7.9	7.2	7.5
22	---	---	---	---	---	---	---	---	---	7.8	7.3	7.5
23	---	---	---	---	---	---	---	---	---	7.9	7.6	7.7
24	---	---	---	---	---	---	---	---	---	7.9	7.7	7.8
25	---	---	---	---	---	---	---	---	---	7.8	7.4	7.6
26	---	---	---	---	---	---	---	---	---	7.7	7.4	7.6
27	---	---	---	---	---	---	---	---	---	7.7	7.5	7.6
28	---	---	---	---	---	---	---	---	---	7.6	7.4	7.5
29	---	---	---	---	---	---	---	---	---	7.6	7.4	7.5
30	---	---	---	---	---	---	---	---	---	7.6	7.4	7.5
31	---	---	---	---	---	---	---	---	---	7.8	7.3	7.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.6	7.4	7.5	8.1	7.6	7.8	8.0	7.5	7.8	7.9	7.8	7.8
2	7.6	7.3	7.4	8.1	7.6	7.8	7.9	7.4	7.7	8.0	7.6	7.8
3	7.5	7.2	7.3	8.1	7.5	7.7	7.7	7.5	7.7	8.3	7.8	7.9
4	7.4	7.2	7.3	7.9	7.4	7.7	7.8	7.6	7.7	8.1	7.8	7.9
5	7.6	7.1	7.3	8.0	7.6	7.8	7.9	7.6	7.8	8.0	7.7	7.8
6	7.7	7.3	7.4	7.9	7.5	7.7	7.8	7.6	7.7	7.9	7.8	7.8
7	7.6	7.3	7.4	8.0	7.7	7.8	7.7	7.4	7.5	7.8	7.7	7.8
8	7.5	7.3	7.4	8.0	7.5	7.7	7.7	7.5	7.6	7.8	7.6	7.7
9	7.8	7.3	7.5	7.8	7.5	7.6	7.8	7.6	7.7	7.7	7.6	7.7
10	7.8	7.4	7.5	7.8	7.6	7.7	7.9	7.7	7.8	7.7	7.6	7.6
11	7.8	7.4	7.5	7.7	7.5	7.6	7.9	7.7	7.8	7.6	7.5	7.6
12	7.5	7.3	7.4	8.0	7.6	7.7	7.9	7.8	7.8	7.7	7.5	7.6
13	7.8	7.3	7.5	7.9	7.7	7.8	7.9	7.7	7.8	7.8	7.6	7.7
14	7.6	7.3	7.5	7.9	7.6	7.8	7.8	7.7	7.8	7.7	7.6	7.6
15	7.7	7.4	7.5	8.2	7.5	7.9	7.9	7.7	7.8	7.7	7.6	7.7
16	7.8	7.4	7.6	8.2	7.9	8.0	7.9	7.7	7.8	7.7	7.6	7.6
17	7.7	7.4	7.5	8.5	7.9	8.0	7.9	7.7	7.8	7.9	7.5	7.7
18	7.5	7.3	7.4	8.3	7.8	8.0	7.9	7.7	7.8	7.8	7.5	7.7
19	7.6	7.3	7.4	8.2	7.8	7.9	8.0	7.8	7.8	7.9	7.6	7.7
20	7.7	7.5	7.6	8.0	7.8	7.9	7.9	7.7	7.8	7.9	7.7	7.8
21	7.7	7.5	7.6	8.1	7.7	7.9	8.0	7.7	7.8	7.9	7.7	7.8
22	7.9	7.6	7.7	7.9	7.7	7.8	8.0	7.8	7.9	7.9	7.7	7.8
23	7.9	7.6	7.7	7.8	7.5	7.7	8.2	7.7	7.9	7.8	7.7	7.8
24	8.0	7.6	7.8	7.7	7.5	7.6	8.0	7.8	7.9	7.7	7.5	7.6
25	7.9	7.6	7.7	8.0	7.6	7.8	8.0	7.8	7.9	7.9	7.6	7.7
26	7.8	7.6	7.7	7.9	7.5	7.7	7.9	7.7	7.8	7.8	7.7	7.8
27	---	---	---	8.1	7.6	7.7	8.0	7.7	7.8	7.8	7.7	7.8
28	7.6	7.4	7.5	8.0	7.5	7.7	8.0	7.7	7.8	7.9	7.7	7.8
29	7.7	7.4	7.5	7.9	7.5	7.7	8.0	7.7	7.8	7.9	7.7	7.8
30	7.9	7.5	7.7	8.0	7.6	7.8	8.0	7.8	7.9	8.0	7.8	7.8
31	---	---	---	7.9	7.6	7.8	7.9	7.8	7.8	---	---	---
MONTH	---	---	---	8.5	7.4	7.8	8.2	7.4	7.8	8.3	7.5	7.7

PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, FOR PERIOD MAY TO SEPTEMBER 2002

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

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

PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

WATER TEMPERATURE, DEGREES CELSIUS, TOP, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	26.2	23.3	24.6
11	---	---	---	---	---	---	---	---	---	25.7	23.6	24.3
12	---	---	---	---	---	---	---	---	---	24.9	23.1	24.0
13	---	---	---	---	---	---	---	---	---	25.3	23.9	24.6
14	---	---	---	---	---	---	---	---	---	25.2	23.0	24.0
15	---	---	---	---	---	---	---	---	---	23.0	21.8	22.4
16	---	---	---	---	---	---	---	---	---	22.7	21.7	22.1
17	---	---	---	---	---	---	---	---	---	23.1	21.9	22.5
18	---	---	---	---	---	---	---	---	---	23.3	22.2	22.7
19	---	26.2	---	---	---	---	---	---	---	22.2	20.5	21.2
20	---	---	---	---	---	---	---	---	---	20.5	19.4	19.8
21	---	---	---	---	---	---	---	---	---	20.3	18.5	19.4
22	---	---	---	---	---	---	---	---	---	19.6	18.6	19.1
23	---	---	---	---	---	---	---	---	---	20.6	18.4	19.2
24	---	---	---	---	---	---	---	---	---	21.0	19.0	19.9
25	---	---	---	---	---	---	---	---	---	23.7	20.2	21.2
26	---	---	---	---	---	---	---	---	---	23.0	21.5	22.1
27	---	---	---	---	---	---	---	---	---	24.1	22.3	23.1
28	---	---	---	---	---	---	---	---	---	24.0	23.1	23.5
29	---	---	---	---	---	---	---	---	---	24.3	23.2	23.7
30	---	---	---	---	---	---	---	---	---	24.8	23.7	24.3
31	---	---	---	---	---	---	---	---	---	26.6	24.3	24.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.5	24.8	25.9	29.0	27.2	27.9	31.8	30.3	30.8	27.0	26.6	26.8
2	27.4	26.0	26.7	28.8	27.5	28.0	31.3	30.1	30.7	26.8	25.9	26.2
3	27.5	26.5	26.8	29.9	27.6	28.3	30.6	29.8	30.2	27.5	25.8	26.2
4	27.2	26.2	26.7	30.1	27.9	28.6	30.3	29.4	29.8	28.0	26.6	27.2
5	27.3	26.2	26.7	30.8	28.5	29.3	30.4	29.2	29.7	28.3	27.2	27.6
6	27.8	26.5	27.1	29.9	28.4	29.1	29.8	28.6	29.3	27.6	26.8	27.2
7	27.5	25.5	26.7	29.6	28.2	28.7	28.6	27.9	28.1	27.0	26.4	26.7
8	25.5	24.9	25.2	29.5	27.8	28.4	27.9	26.6	27.1	27.0	26.1	26.5
9	25.9	24.2	24.7	29.1	27.9	28.5	26.9	26.2	26.5	26.5	25.7	26.0
10	26.3	24.3	24.9	29.0	27.9	28.3	27.0	25.9	26.4	25.7	25.1	25.5
11	27.0	24.7	25.5	28.0	27.0	27.7	27.9	25.9	26.6	26.1	24.8	25.3
12	27.1	25.8	26.3	27.3	26.4	26.9	27.8	26.5	26.9	25.9	24.8	25.3
13	28.5	26.2	27.0	26.9	26.0	26.6	28.4	26.7	27.3	25.4	24.6	24.9
14	28.0	26.8	27.5	27.1	26.4	26.7	28.1	27.4	27.8	25.2	24.6	24.9
15	28.7	27.2	27.6	28.5	26.5	27.3	28.2	27.6	27.8	25.6	24.8	25.2
16	28.5	26.8	27.5	29.1	27.5	28.1	28.4	27.5	27.9	25.8	25.4	25.6
17	28.0	26.9	27.3	30.4	28.3	28.8	28.9	27.6	28.2	26.6	25.4	26.0
18	26.9	26.4	26.6	30.8	28.6	29.2	29.3	28.2	28.7	26.6	25.6	26.0
19	26.5	26.1	26.2	30.3	29.1	29.5	30.2	28.4	28.8	26.4	25.2	25.7
20	26.2	25.7	25.9	30.8	29.3	29.8	29.7	28.8	29.1	26.8	25.5	25.9
21	25.7	25.2	25.5	30.5	29.4	29.9	29.3	28.6	28.9	26.7	25.7	26.1
22	25.9	25.0	25.5	30.0	29.1	29.5	29.6	28.5	28.9	26.5	25.5	26.0
23	26.7	25.4	25.9	29.6	28.9	29.2	30.6	28.4	29.2	26.6	25.9	26.2
24	28.2	26.2	27.0	29.2	28.6	28.9	30.8	28.9	29.5	26.2	25.4	25.8
25	28.7	26.8	27.5	29.1	28.2	28.6	30.4	29.0	29.6	25.5	25.2	25.3
26	28.6	27.6	28.1	29.3	28.0	28.5	29.6	28.9	29.2	25.2	24.6	24.8
27	---	---	---	29.8	28.1	28.6	29.5	28.5	28.9	25.6	24.8	25.1
28	27.8	27.2	27.5	30.5	28.0	28.9	28.8	28.0	28.3	26.1	25.4	25.7
29	28.1	27.3	27.6	30.6	28.7	29.6	28.0	27.5	27.7	25.8	25.1	25.4
30	28.6	27.0	27.8	31.8	29.9	30.7	27.8	27.4	27.6	25.5	24.8	25.1
31	---	---	---	32.2	30.7	31.2	27.4	26.9	27.1	---	---	---
MONTH	---	---	---	32.2	26.0	28.7	31.8	25.9	28.5	28.3	24.6	25.9

PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

WATER TEMPERATURE, DEGREES CELSIUS, BOTTOM, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	23.6	22.7	23.0
11	---	---	---	---	---	---	---	---	---	24.3	22.7	23.6
12	---	---	---	---	---	---	---	---	---	24.3	23.2	23.5
13	---	---	---	---	---	---	---	---	---	25.3	23.8	24.6
14	---	---	---	---	---	---	---	---	---	25.2	23.0	24.0
15	---	---	---	---	---	---	---	---	---	23.0	21.2	22.0
16	---	---	---	---	---	---	---	---	---	22.6	21.6	22.0
17	---	---	---	---	---	---	---	---	---	22.8	21.9	22.4
18	---	---	---	---	---	---	---	---	---	23.2	22.2	22.7
19	---	---	---	---	---	---	---	---	---	22.2	20.5	21.2
20	---	---	---	---	---	---	---	---	---	20.5	19.5	19.9
21	---	---	---	---	---	---	---	---	---	20.1	19.6	19.9
22	---	---	---	---	---	---	---	---	---	19.7	18.6	19.1
23	---	---	---	---	---	---	---	---	---	19.2	18.4	18.8
24	---	---	---	---	---	---	---	---	---	20.3	19.0	19.3
25	---	---	---	---	---	---	---	---	---	20.5	19.4	19.9
26	---	---	---	---	---	---	---	---	---	20.4	19.5	19.8
27	---	---	---	---	---	---	---	---	---	20.8	19.8	20.3
28	---	---	---	---	---	---	---	---	---	22.1	20.5	21.3
29	---	---	---	---	---	---	---	---	---	24.3	21.7	22.8
30	---	---	---	---	---	---	---	---	---	24.6	23.6	24.0
31	---	---	---	---	---	---	---	---	---	25.3	24.2	24.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.5	24.8	25.0	27.6	27.3	27.4	30.1	29.0	29.3	27.4	27.0	27.2
2	27.1	25.4	26.2	28.0	27.2	27.5	29.2	28.8	29.0	27.2	26.9	27.1
3	27.1	26.4	26.7	28.6	27.3	27.7	29.2	28.9	29.0	27.2	26.7	26.9
4	27.2	26.0	26.5	28.4	27.6	28.0	29.3	29.0	29.1	27.0	26.7	26.8
5	27.3	26.2	26.6	28.4	27.4	27.7	29.3	29.0	29.2	27.2	26.8	26.9
6	27.8	26.6	27.0	29.1	27.8	28.5	29.4	28.7	29.1	27.1	26.9	27.0
7	27.5	25.5	26.7	28.8	28.5	28.6	28.7	27.9	28.1	26.9	26.7	26.8
8	25.5	24.9	25.2	28.6	27.9	28.3	27.9	26.5	27.1	26.7	26.5	26.7
9	24.9	24.1	24.4	28.8	27.9	28.3	26.5	25.8	26.2	26.5	25.7	26.0
10	25.0	24.1	24.5	28.5	27.7	28.1	26.6	25.7	26.1	25.7	25.1	25.5
11	25.8	24.3	24.8	28.0	27.0	27.7	26.8	26.2	26.6	25.7	24.8	25.1
12	26.5	25.8	26.0	27.0	26.3	26.7	26.8	26.4	26.6	25.4	24.8	25.0
13	27.5	25.6	26.5	26.7	26.1	26.5	27.5	26.5	27.0	25.2	25.0	25.1
14	27.9	25.9	27.1	26.6	26.4	26.5	28.0	26.8	27.5	25.1	24.9	25.0
15	27.7	26.3	27.1	26.7	26.4	26.5	28.0	27.0	27.7	25.6	24.9	25.1
16	27.6	26.7	27.0	27.6	26.6	26.8	28.1	27.5	27.7	25.8	25.1	25.6
17	27.6	26.9	27.2	27.3	26.6	26.8	28.5	27.6	27.9	25.9	25.3	25.5
18	27.1	26.5	26.7	27.6	26.8	27.1	28.5	28.1	28.3	25.8	25.5	25.7
19	26.7	26.2	26.5	29.6	27.1	28.6	28.8	28.0	28.3	25.8	25.6	25.7
20	26.3	25.7	25.9	29.8	27.8	29.0	29.3	28.7	28.9	25.7	25.5	25.6
21	25.7	25.2	25.5	29.6	28.7	29.1	29.1	28.6	28.8	26.0	25.7	25.8
22	25.7	25.0	25.3	29.1	28.8	28.9	29.1	28.5	28.7	25.9	25.5	25.7
23	25.7	25.3	25.4	29.6	28.7	29.1	28.8	28.0	28.4	26.4	25.6	26.0
24	27.6	25.5	26.1	29.4	28.6	28.9	29.8	28.6	29.1	26.1	25.4	25.7
25	27.8	26.5	26.9	28.7	28.2	28.4	29.4	28.7	29.0	25.6	25.1	25.3
26	28.6	27.0	27.9	28.4	28.0	28.2	29.2	28.9	29.0	25.1	24.6	24.8
27	---	---	---	28.5	28.1	28.2	29.1	28.6	28.9	25.6	24.8	25.1
28	27.9	27.2	27.6	28.5	27.9	28.1	28.9	28.2	28.6	25.8	25.3	25.6
29	27.7	27.1	27.3	29.4	28.2	28.7	28.7	28.1	28.5	25.7	25.1	25.3
30	27.5	27.1	27.3	30.4	28.7	29.6	28.2	27.9	28.0	25.3	24.7	25.0
31	---	---	---	30.8	29.9	30.2	27.9	27.4	27.7	---	---	---
MONTH	---	---	---	30.8	26.1	28.1	30.1	25.7	28.2	27.4	24.6	25.8

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

OXYGEN DISSOLVED (MG/L), TOP, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	8.0	4.6	6.6
11	---	---	---	---	---	---	---	---	---	7.0	5.3	6.3
12	---	---	---	---	---	---	---	---	---	7.2	5.7	6.3
13	---	---	---	---	---	---	---	---	---	6.7	5.8	6.2
14	---	---	---	---	---	---	---	---	---	6.8	5.7	6.3
15	---	---	---	---	---	---	---	---	---	8.0	6.0	7.0
16	---	---	---	---	---	---	---	---	---	7.4	6.5	7.0
17	---	---	---	---	---	---	---	---	---	7.4	6.2	6.8
18	---	---	---	---	---	---	---	---	---	6.9	6.2	6.7
19	---	---	---	---	---	---	---	---	---	7.4	6.0	6.8
20	---	---	---	---	---	---	---	---	---	8.1	6.9	7.4
21	---	---	---	---	---	---	---	---	---	8.7	6.7	7.7
22	---	---	---	---	---	---	---	---	---	7.9	6.7	7.3
23	---	---	---	---	---	---	---	---	---	8.7	7.0	7.9
24	---	---	---	---	---	---	---	---	---	8.9	7.9	8.3
25	---	---	---	---	---	---	---	---	---	8.4	6.8	7.7
26	---	---	---	---	---	---	---	---	---	8.0	6.8	7.4
27	---	---	---	---	---	---	---	---	---	8.0	7.0	7.4
28	---	---	---	---	---	---	---	---	---	7.3	6.8	7.0
29	---	---	---	---	---	---	---	---	---	7.3	6.3	6.9
30	---	---	---	---	---	---	---	---	---	7.4	6.4	6.8
31	---	---	---	---	---	---	---	---	---	8.1	6.0	6.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.4	6.4	6.9	7.9	6.3	7.0	6.9	4.2	5.4	6.5	5.4	5.9
2	7.4	6.1	6.7	7.6	5.3	6.3	5.9	3.6	5.1	7.0	4.6	5.6
3	7.5	5.7	6.1	7.8	4.8	5.8	5.2	4.1	4.8	7.9	5.4	6.0
4	6.8	5.5	6.0	6.9	4.8	5.8	5.6	4.5	5.0	7.7	5.6	6.5
5	6.5	5.2	5.9	6.8	5.4	5.9	5.9	4.6	5.1	7.6	5.6	6.4
6	6.7	5.2	5.9	6.7	4.8	5.7	5.2	4.2	4.7	7.0	5.8	6.3
7	6.3	5.2	5.8	7.3	5.6	6.3	5.0	3.5	4.3	6.4	5.3	5.8
8	6.7	5.7	6.2	7.4	5.1	5.9	6.4	4.1	5.2	6.3	4.9	5.6
9	7.7	5.8	6.5	6.1	5.0	5.5	6.8	5.5	6.2	5.7	5.2	5.5
10	7.8	6.1	6.7	6.4	5.5	5.8	6.9	5.6	6.2	5.6	5.2	5.4
11	7.9	6.1	6.6	6.0	5.0	5.5	7.7	5.9	6.6	5.9	5.1	5.4
12	6.4	5.7	6.0	7.5	5.4	6.2	6.9	5.8	6.2	6.3	5.1	5.6
13	7.1	5.3	5.9	7.0	5.6	6.4	7.7	5.6	6.4	7.1	5.3	6.3
14	5.9	5.0	5.6	7.2	5.7	6.3	6.9	6.2	6.5	6.8	6.2	6.4
15	6.7	5.1	5.6	8.9	5.3	7.1	6.9	5.8	6.2	6.8	6.0	6.4
16	6.6	5.0	5.7	9.5	6.8	8.0	6.9	5.6	6.1	6.5	6.0	6.2
17	6.1	4.7	5.2	12.2	7.0	8.3	7.1	5.7	6.2	7.8	5.9	6.8
18	5.2	4.4	4.8	9.3	6.0	7.5	6.9	5.5	6.2	8.2	6.2	6.9
19	6.1	3.8	5.1	8.5	6.0	6.6	7.5	5.5	6.2	7.5	5.7	6.5
20	6.5	5.4	5.9	7.0	5.5	6.0	5.9	4.5	5.3	8.0	5.9	6.7
21	6.8	6.0	6.4	7.3	5.2	6.1	6.2	4.2	5.1	7.6	6.2	6.6
22	8.1	6.3	7.1	6.7	5.4	5.9	7.4	4.8	5.8	7.3	5.3	6.3
23	7.7	6.7	7.2	6.0	4.8	5.5	9.6	5.2	6.7	6.6	5.5	6.1
24	8.2	6.2	7.2	6.3	5.2	5.7	7.5	5.8	6.5	5.6	4.9	5.2
25	7.3	5.9	6.6	8.0	5.5	6.3	7.0	5.3	5.9	6.1	4.7	5.4
26	6.6	5.8	6.1	7.5	5.0	6.3	5.5	4.4	5.0	6.4	5.6	5.9
27	---	---	---	8.4	5.8	6.5	6.7	4.2	5.1	6.4	5.6	6.0
28	6.6	5.8	6.1	7.9	5.4	6.5	6.3	4.4	5.3	7.0	5.9	6.4
29	7.1	5.5	6.3	7.0	5.4	6.3	6.7	5.0	5.5	7.0	5.7	6.2
30	8.2	6.0	7.1	6.9	5.5	6.2	6.5	5.3	5.8	6.9	5.8	6.2
31	---	---	---	7.0	5.5	6.2	6.2	5.1	5.6	---	---	---
MONTH	---	---	---	12.2	4.8	6.3	9.6	3.5	5.7	8.2	4.6	6.1

PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

OXYGEN DISSOLVED (MG/L), BOTTOM, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	6.3	2.1	4.6
11	---	---	---	---	---	---	---	---	---	6.5	1.7	4.9
12	---	---	---	---	---	---	---	---	---	6.1	3.1	5.0
13	---	---	---	---	---	---	---	---	---	6.6	4.9	6.1
14	---	---	---	---	---	---	---	---	---	7.0	5.8	6.4
15	---	---	---	---	---	---	---	---	---	7.6	5.7	6.5
16	---	---	---	---	---	---	---	---	---	7.5	5.0	6.5
17	---	---	---	---	---	---	---	---	---	6.9	5.3	6.5
18	---	---	---	---	---	---	---	---	---	6.7	6.1	6.5
19	---	---	---	---	---	---	---	---	---	7.1	5.9	6.6
20	---	---	---	---	---	---	---	---	---	7.9	5.9	6.8
21	---	---	---	---	---	---	---	---	---	7.3	5.3	6.2
22	---	---	---	---	---	---	---	---	---	8.0	6.6	7.2
23	---	---	---	---	---	---	---	---	---	7.8	4.9	6.9
24	---	---	---	---	---	---	---	---	---	7.6	3.9	5.4
25	---	---	---	---	---	---	---	---	---	7.3	3.3	5.3
26	---	---	---	---	---	---	---	---	---	4.4	3.0	3.8
27	---	---	---	---	---	---	---	---	---	4.0	2.9	3.3
28	---	---	---	---	---	---	---	---	---	4.6	2.5	3.5
29	---	---	---	---	---	---	---	---	---	6.8	2.2	3.9
30	---	---	---	---	---	---	---	---	---	6.5	4.1	5.3
31	---	---	---	---	---	---	---	---	---	6.3	3.8	5.3
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.1	4.5	5.5	4.4	2.2	3.3	2.8	0.3	1.0	3.3	1.3	2.4
2	6.0	4.2	5.1	4.7	1.3	2.1	0.6	0.0	0.1	2.7	0.9	1.6
3	6.2	5.1	5.7	6.0	1.0	4.2	0.2	0.0	0.1	2.4	0.6	1.5
4	6.0	4.8	5.4	6.0	4.3	5.3	0.5	0.0	0.1	1.7	0.2	1.0
5	6.2	4.7	5.5	4.7	1.9	3.1	0.3	0.0	0.1	3.0	0.3	1.2
6	6.5	5.0	5.6	6.3	2.7	5.2	4.8	0.0	1.5	2.0	0.7	1.2
7	6.2	5.2	5.8	6.4	3.4	4.8	5.3	3.9	4.6	2.1	0.9	1.6
8	6.7	5.7	6.2	5.8	2.6	3.5	6.2	4.3	5.2	5.3	1.1	2.2
9	6.5	5.1	5.9	6.0	4.7	5.4	6.3	5.3	5.7	5.9	5.1	5.6
10	6.0	4.3	4.9	6.6	5.4	6.0	6.2	3.2	5.1	5.7	5.4	5.5
11	6.1	2.9	4.5	6.5	5.6	6.0	4.8	1.7	2.8	5.6	4.8	5.3
12	6.1	4.7	5.4	6.5	4.5	5.7	4.6	1.5	2.6	5.7	5.1	5.4
13	6.2	5.1	5.6	6.4	3.0	4.5	6.1	1.9	4.9	5.3	3.9	4.5
14	6.3	5.1	5.8	5.6	2.1	3.5	6.0	0.6	4.8	3.9	2.8	3.4
15	6.1	4.4	5.4	5.9	2.1	4.4	5.6	0.9	4.6	6.4	2.8	4.0
16	6.0	4.2	5.1	5.4	1.8	3.0	5.3	4.1	5.0	6.3	3.0	5.5
17	5.9	4.0	5.1	2.8	0.3	1.0	5.4	3.6	4.9	5.9	4.5	5.2
18	5.1	2.6	4.2	2.4	0.5	1.2	5.3	4.1	4.7	5.0	3.0	4.1
19	5.8	1.8	3.8	6.4	0.4	4.0	4.5	3.2	3.9	5.5	2.8	3.9
20	6.3	4.4	5.8	6.0	1.5	4.1	4.9	3.6	4.5	4.5	2.7	3.1
21	6.6	5.8	6.2	5.5	1.9	3.7	5.2	4.3	4.7	5.0	3.1	3.7
22	7.3	5.3	6.2	3.6	1.1	1.9	6.1	4.1	4.9	4.6	2.9	3.6
23	6.7	4.3	5.3	5.6	1.0	3.0	5.7	4.0	4.9	5.9	2.8	4.2
24	7.5	3.3	5.0	6.1	4.6	5.2	6.4	3.5	5.2	5.5	4.7	5.1
25	6.8	5.2	5.9	6.5	3.9	5.5	5.9	3.8	5.1	6.1	4.8	5.5
26	6.8	4.2	5.9	6.3	2.2	3.4	4.5	2.7	3.4	5.9	4.7	5.2
27	---	---	---	4.8	1.3	2.5	4.5	0.9	2.8	6.2	4.1	5.5
28	6.2	5.4	5.8	5.9	1.9	4.0	4.9	0.9	2.2	6.8	5.1	6.1
29	6.0	4.3	5.2	6.1	2.2	3.8	2.9	1.1	1.8	6.9	5.6	6.1
30	4.9	3.3	4.0	5.6	1.9	3.9	3.5	1.5	2.0	6.5	5.5	6.1
31	---	---	---	5.6	2.3	3.8	2.4	1.1	1.6	---	---	---
MONTH	---	---	---	6.6	0.3	3.9	6.4	0.0	3.4	6.9	0.2	4.0

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

OXYGEN DISSOLVED (% OF SATURATION), TOP, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	99	54	79
11	---	---	---	---	---	---	---	---	---	86	63	75
12	---	---	---	---	---	---	---	---	---	87	67	75
13	---	---	---	---	---	---	---	---	---	81	69	75
14	---	---	---	---	---	---	---	---	---	81	68	75
15	---	---	---	---	---	---	---	---	---	94	69	81
16	---	---	---	---	---	---	---	---	---	86	74	80
17	---	---	---	---	---	---	---	---	---	86	71	79
18	---	---	---	---	---	---	---	---	---	81	71	78
19	---	---	---	---	---	---	---	---	---	83	68	77
20	---	---	---	---	---	---	---	---	---	90	76	82
21	---	---	---	---	---	---	---	---	---	96	72	84
22	---	---	---	---	---	---	---	---	---	86	72	79
23	---	---	---	---	---	---	---	---	---	96	76	85
24	---	---	---	---	---	---	---	---	---	100	87	92
25	---	---	---	---	---	---	---	---	---	99	76	87
26	---	---	---	---	---	---	---	---	---	94	77	86
27	---	---	---	---	---	---	---	---	---	96	82	86
28	---	---	---	---	---	---	---	---	---	88	79	83
29	---	---	---	---	---	---	---	---	---	87	75	82
30	---	---	---	---	---	---	---	---	---	90	76	82
31	---	---	---	---	---	---	---	---	---	101	72	84
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	94	78	85	104	80	89	95	56	73	82	68	74
2	93	76	84	98	67	80	81	48	69	87	58	70
3	95	70	77	102	61	74	70	54	64	101	66	75
4	85	68	75	92	62	75	74	59	67	99	70	82
5	82	64	74	92	71	77	78	60	68	98	71	82
6	86	66	74	88	61	75	69	55	62	90	73	79
7	78	65	73	96	72	82	65	46	55	81	66	73
8	82	69	75	96	65	76	81	52	66	79	61	70
9	95	70	79	80	64	72	86	69	77	71	65	68
10	97	73	81	84	71	75	87	69	77	68	64	66
11	100	73	81	77	65	71	98	73	82	73	62	66
12	80	71	75	95	68	78	88	72	79	78	62	68
13	91	66	74	88	70	80	99	70	81	86	64	76
14	75	63	71	91	71	79	89	79	84	83	74	78
15	86	64	72	115	67	90	88	73	80	84	73	78
16	86	63	73	124	86	103	89	71	77	80	73	76
17	78	59	66	163	92	108	92	72	80	98	73	84
18	65	55	60	123	78	99	90	71	81	102	76	85
19	76	47	64	113	78	86	100	72	81	94	70	80
20	80	67	73	94	72	79	78	59	70	100	72	83
21	84	74	79	97	69	80	81	55	66	95	76	82
22	101	77	87	89	71	78	97	62	76	91	66	78
23	96	81	89	79	62	72	128	67	88	82	68	75
24	106	78	91	82	67	74	101	76	86	70	61	64
25	95	75	84	104	71	82	93	69	78	75	57	66
26	85	74	78	98	64	82	72	58	65	78	67	72
27	---	---	---	112	75	84	88	55	67	79	68	74
28	84	73	78	106	69	85	82	57	68	87	72	79
29	92	70	80	94	70	83	86	63	70	86	69	76
30	106	76	90	95	74	84	83	67	74	85	70	76
31	---	---	---	97	74	84	78	65	71	---	---	---
MONTH	---	---	---	163	61	82	128	46	74	102	57	75

PAMLICO RIVER BASIN

0208455560 PUNGO RIVER AT CHANNEL LIGHT 18--Continued

OXYGEN DISSOLVED (% OF SATURATION), BOTTOM, FOR PERIOD MAY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	74	24	53
11	---	---	---	---	---	---	---	---	---	77	19	58
12	---	---	---	---	---	---	---	---	---	72	36	59
13	---	---	---	---	---	---	---	---	---	80	59	73
14	---	---	---	---	---	---	---	---	---	83	70	76
15	---	---	---	---	---	---	---	---	---	88	65	74
16	---	---	---	---	---	---	---	---	---	87	57	74
17	---	---	---	---	---	---	---	---	---	80	61	75
18	---	---	---	---	---	---	---	---	---	78	70	75
19	---	---	---	---	---	---	---	---	---	80	67	74
20	---	---	---	---	---	---	---	---	---	87	65	75
21	---	---	---	---	---	---	---	---	---	80	59	68
22	---	---	---	---	---	---	---	---	---	87	72	78
23	---	---	---	---	---	---	---	---	---	84	54	74
24	---	---	---	---	---	---	---	---	---	84	43	58
25	---	---	---	---	---	---	---	---	---	81	36	58
26	---	---	---	---	---	---	---	---	---	49	33	42
27	---	---	---	---	---	---	---	---	---	45	32	37
28	---	---	---	---	---	---	---	---	---	53	28	40
29	---	---	---	---	---	---	---	---	---	81	26	46
30	---	---	---	---	---	---	---	---	---	78	49	64
31	---	---	---	---	---	---	---	---	---	76	46	64
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	74	55	67	57	28	42	37	4	13	41	17	30
2	76	52	63	60	16	26	8	0	2	33	11	20
3	78	63	71	78	12	54	2	0	1	31	8	19
4	75	59	68	78	55	68	7	0	2	21	3	12
5	78	58	68	60	24	39	4	0	1	38	3	15
6	83	62	71	83	35	68	63	0	19	25	9	15
7	78	66	73	83	44	62	68	51	59	26	11	20
8	82	69	75	75	33	46	79	55	66	67	14	27
9	79	61	71	78	60	69	79	66	71	72	64	69
10	72	52	59	85	69	77	77	41	63	70	65	67
11	76	35	54	83	72	77	60	22	35	69	58	65
12	75	58	66	81	56	71	58	18	33	69	62	66
13	79	64	70	81	38	56	78	23	62	64	47	55
14	80	64	73	70	26	43	76	7	61	47	34	41
15	78	55	68	74	26	55	72	11	59	78	34	49
16	77	52	64	68	23	37	68	52	63	78	37	68
17	75	50	64	36	4	13	69	46	63	73	56	64
18	64	33	53	31	7	15	69	53	61	62	37	50
19	73	22	48	84	5	52	59	42	50	68	34	48
20	78	55	71	79	19	54	64	47	59	56	33	39
21	81	71	76	72	25	48	67	56	61	62	38	46
22	89	64	76	47	14	25	80	53	64	56	35	44
23	82	53	65	74	13	39	74	51	63	74	34	52
24	95	41	62	79	60	67	84	46	68	68	58	63
25	85	66	75	84	50	70	78	49	67	75	58	67
26	86	54	76	81	28	44	58	35	44	72	57	63
27	---	---	---	62	17	32	59	11	36	76	50	67
28	80	68	74	76	24	52	63	11	28	84	62	75
29	76	54	66	80	28	49	37	15	23	85	68	75
30	62	41	51	74	25	52	45	20	26	79	67	74
31	---	---	---	75	31	51	31	14	20	---	---	---
MONTH	---	---	---	85	4	50	84	0	43	85	3	49