

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1983 to current year.

pH: April 1983 to September 1993 (discontinued).

WATER TEMPERATURE: August 1975 to current year.

DISSOLVED OXYGEN: April 1983 to September 1993, January 2004 to May 2005 (discontinued).

INSTRUMENTATION.--Water-quality multiprobe and data collection platform.

REMARKS.--Specific conductance records rated excellent except for Dec. 6-9, June 3-10, Aug. 19-23, Sep. 29, 30, which are good. Temperature records rated excellent. Dissolved oxygen records rated excellent except for Oct. 12 to Dec. 8, Jan. 17-21, Apr. 7-13, which are good, Dec. 9, Jan. 22-29, Apr. 14-24, which are fair, Jan. 30 to Feb. 15, Apr. 25 to May 6, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 334 microsiemens, Sep. 17, 1985; minimum, 40 microsiemens, Sep. 7, 1987.

pH: Maximum, 8.4 units, Jul. 26, 27, 1988; minimum, 5.6 units, Sep. 7, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, Jul. 21, 1986; minimum, 2.5°C, Jan. 12-13, 1981, Dec. 25, 1989.

DISSOLVED OXYGEN: Maximum, 13.7 mg/L, Jan. 20, 23, 1988; minimum, 0.0 mg/L, Sep. 24, 25, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 141 microsiemens, Sep. 21; minimum, 80 microsiemens, several days in November and December.

WATER TEMPERATURE: Maximum, 31.6°C, Aug. 21; minimum, 6.0°C, Jan. 29, 30.

DISSOLVED OXYGEN: Maximum, 13.4 mg/L, Feb. 6, 8; minimum, 4.9 mg/L, Oct. 1, 2.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	108	92	95	89	84	86	84	81	81	92	89	90
2	96	91	93	89	84	85	84	81	82	93	88	90
3	96	92	93	88	84	85	82	80	81	91	88	89
4	95	93	94	89	84	85	81	80	81	92	88	89
5	96	93	94	88	84	85	81	80	80	91	88	89
6	96	92	94	86	83	84	83	80	81	92	89	90
7	94	91	93	84	82	83	84	80	81	95	90	91
8	93	91	92	88	82	84	88	80	82	102	90	93
9	93	90	92	86	82	84	88	80	83	108	91	96
10	94	91	92	88	82	84	95	83	86	106	92	96
11	95	90	92	93	82	84	96	83	86	105	92	95
12	100	89	91	105	82	86	90	83	85	117	93	97
13	108	88	91	115	82	87	93	82	84	109	93	97
14	97	88	89	105	81	86	91	82	84	102	93	94
15	97	86	89	92	80	83	89	82	83	101	94	96
16	90	86	88	96	80	83	91	82	84	100	96	97
17	96	87	88	95	80	83	101	83	87	97	96	97
18	102	87	89	95	80	82	99	83	86	98	97	97
19	91	84	86	100	81	85	92	83	85	100	97	98
20	92	84	86	92	81	84	88	83	84	104	99	101
21	99	85	88	88	80	83	91	83	86	112	98	102
22	95	84	87	91	80	84	87	84	85	105	97	99
23	91	84	86	94	81	86	95	84	87	104	97	98
24	93	84	87	98	84	87	96	86	88	100	97	97
25	93	83	87	92	83	85	91	85	86	101	97	98
26	100	84	87	89	83	84	89	84	85	102	97	98
27	96	84	88	85	82	83	88	84	86	108	97	99
28	102	84	88	84	81	82	86	83	84	104	97	98
29	92	84	86	83	81	82	89	83	88	99	96	97
30	98	84	86	84	81	82	90	85	89	100	97	98
31	89	84	85	---	---	---	93	89	90	99	96	97
MONTH	108	83	90	115	80	84	101	80	85	117	88	96

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, SC--Continued

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.0	24.1	24.5	21.7	21.1	21.4	15.2	14.9	15.0	9.0	8.1	8.5
2	24.8	24.3	24.5	21.6	21.0	21.3	15.0	14.4	14.7	9.3	8.5	8.8
3	24.8	24.3	24.6	21.6	21.0	21.2	14.7	14.3	14.4	9.3	8.6	8.9
4	24.7	24.1	24.4	21.7	21.0	21.2	14.3	14.1	14.2	9.8	9.1	9.4
5	24.4	23.8	24.1	21.2	20.3	20.8	14.2	13.9	14.0	10.1	9.3	9.6
6	24.2	23.8	23.9	20.3	19.8	20.0	14.4	13.9	14.1	11.0	10.0	10.4
7	23.8	23.2	23.4	19.9	19.7	19.8	15.1	14.3	14.7	11.1	10.5	10.8
8	23.4	22.8	23.0	19.8	19.4	19.6	15.6	15.1	15.3	11.2	9.9	10.7
9	23.2	23.0	23.1	19.7	18.7	19.2	16.0	15.2	15.6	11.7	10.7	11.2
10	23.3	22.9	23.1	18.8	17.9	18.2	16.6	15.9	16.3	11.7	10.8	11.3
11	23.6	23.0	23.3	18.2	17.6	17.9	16.4	14.7	15.5	11.7	10.8	11.1
12	23.5	23.1	23.3	18.5	18.0	18.3	14.7	14.0	14.2	11.8	10.8	11.2
13	23.6	23.1	23.3	18.4	17.5	18.0	14.2	13.4	13.7	12.0	10.9	11.5
14	23.2	22.5	22.8	17.5	16.3	16.6	13.7	12.5	13.0	12.4	10.5	11.7
15	22.8	22.1	22.5	16.3	15.5	15.9	12.5	11.1	11.5	11.5	9.7	10.3
16	22.1	21.0	21.5	16.1	15.5	15.8	11.4	10.7	10.9	10.0	9.4	9.7
17	21.8	21.0	21.4	15.8	15.6	15.7	11.4	10.6	10.9	10.2	9.4	9.7
18	21.7	21.3	21.6	15.8	15.3	15.6	11.4	11.0	11.2	9.6	8.5	9.0
19	21.9	21.4	21.6	16.1	15.6	15.8	11.3	10.6	11.0	8.5	7.6	8.0
20	22.3	21.8	22.0	16.4	16.0	16.1	10.6	9.2	9.8	8.5	7.2	7.8
21	22.1	21.4	21.9	16.4	16.1	16.2	9.3	8.7	9.1	9.2	8.0	8.7
22	21.4	21.1	21.3	16.8	16.3	16.6	10.0	9.1	9.5	9.3	8.6	8.9
23	21.3	20.8	21.0	17.2	16.5	16.8	11.3	10.0	10.5	9.3	7.7	8.4
24	20.8	20.5	20.6	17.3	16.4	16.9	11.3	9.7	10.6	7.7	6.8	7.1
25	20.8	20.4	20.6	17.2	16.2	16.9	9.7	8.8	9.2	7.4	6.7	7.0
26	20.6	20.2	20.5	16.2	15.2	15.5	8.8	7.8	8.2	8.2	7.2	7.6
27	20.5	20.2	20.4	15.2	14.5	14.7	7.8	7.3	7.5	8.5	7.8	8.2
28	20.4	20.3	20.3	15.3	14.8	15.0	7.7	7.2	7.5	8.1	6.5	7.1
29	20.5	20.2	20.3	15.2	14.5	14.9	8.0	7.2	7.6	6.5	6.0	6.2
30	20.8	20.2	20.5	15.1	14.6	14.9	8.3	7.5	7.9	6.6	6.0	6.3
31	21.4	20.7	21.0	---	---	---	8.5	8.0	8.3	7.0	6.2	6.5
MONTH	25.0	20.2	22.3	21.7	14.5	17.6	16.6	7.2	11.8	12.4	6.0	9.1

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.6	6.7	10.8	10.1	10.4	15.5	14.7	15.1	19.8	18.6	19.1
2	6.6	6.3	6.5	10.4	9.4	9.9	15.6	14.4	15.1	20.1	18.7	19.3
3	6.6	6.3	6.5	10.0	9.4	9.7	15.2	13.9	14.6	20.0	18.8	19.3
4	7.0	6.2	6.5	10.6	9.4	10.0	16.2	14.7	15.3	20.3	19.1	19.7
5	7.5	6.6	7.0	10.8	9.9	10.3	17.1	15.6	16.2	19.9	18.4	19.1
6	7.8	7.0	7.3	11.3	10.3	10.7	17.1	15.8	16.3	18.6	17.3	17.9
7	8.3	7.2	7.7	11.9	10.8	11.2	17.1	16.2	16.7	19.5	18.0	18.7
8	8.8	7.6	8.2	12.5	11.6	12.0	17.3	16.0	16.6	20.3	18.9	19.6
9	8.9	8.3	8.6	12.1	10.7	11.2	17.3	16.0	16.5	21.5	20.0	20.7
10	9.3	8.2	8.7	11.3	10.1	10.7	17.0	15.5	16.4	21.6	20.3	21.1
11	8.9	7.8	8.3	11.5	10.8	11.1	18.0	16.5	17.2	21.9	20.3	21.0
12	8.9	7.9	8.3	11.6	10.1	10.8	17.9	17.1	17.5	21.8	20.4	21.2
13	9.1	8.4	8.7	13.0	11.1	11.9	18.2	16.8	17.4	21.9	20.4	21.3
14	9.3	8.8	9.0	13.4	12.1	12.8	17.4	15.9	16.5	21.5	20.0	20.7
15	9.8	8.8	9.3	12.8	11.4	12.1	16.6	15.6	16.2	21.0	20.0	20.5
16	10.2	9.1	9.5	12.4	11.3	12.0	16.5	15.5	16.1	21.8	20.7	21.2
17	10.4	9.8	10.0	11.3	10.4	10.8	16.7	15.5	16.2	21.8	20.8	21.3
18	9.9	9.2	9.6	10.6	10.0	10.4	17.4	16.1	16.7	22.1	20.9	21.5
19	10.4	9.4	9.9	11.3	10.3	10.8	17.6	16.8	17.1	22.4	20.9	21.6
20	10.5	10.1	10.3	12.6	11.0	11.6	18.7	17.3	18.0	22.0	20.9	21.6
21	10.9	10.2	10.5	12.9	12.0	12.4	19.1	17.7	18.4	21.0	20.4	20.7
22	12.1	10.7	11.4	13.0	12.2	12.7	19.4	17.8	18.6	21.6	20.2	20.8
23	12.6	11.8	12.2	14.1	12.3	13.1	19.0	17.7	18.3	23.1	21.4	22.2
24	12.6	10.8	11.7	14.3	12.4	13.4	18.5	16.9	17.3	23.4	22.1	22.9
25	11.0	9.9	10.3	14.1	13.3	13.8	17.6	16.3	17.0	23.3	22.0	22.5
26	10.9	9.9	10.4	15.1	13.4	14.2	17.5	17.1	17.3	23.1	22.0	22.6
27	10.8	10.4	10.6	15.1	13.8	14.4	18.4	17.1	17.7	23.5	22.6	23.0
28	10.5	10.0	10.3	14.6	13.6	13.9	18.7	17.3	18.1	24.0	22.8	23.3
29	---	---	---	15.0	13.0	14.0	19.0	18.1	18.5	24.4	23.3	23.8
30	---	---	---	16.1	14.6	15.3	18.9	18.0	18.4	24.1	22.9	23.6
31	---	---	---	15.7	14.8	15.3	---	---	---	23.3	22.4	22.7
MONTH	12.6	6.2	9.1	16.1	9.4	12.0	19.4	13.9	16.9	24.4	17.3	21.1

COOPER RIVER BASIN

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, SC--Continued

Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.6	22.3	22.4	28.2	27.0	27.6	29.4	29.1	29.3	29.7	28.8	29.2
2	23.3	22.4	22.8	28.2	27.1	27.7	29.9	29.0	29.4	29.7	29.1	29.4
3	23.4	22.9	23.2	28.2	27.4	27.9	30.4	29.5	29.9	29.6	28.9	29.3
4	23.6	23.0	23.3	28.0	26.8	27.4	30.6	29.8	30.2	29.5	28.9	29.2
5	24.0	22.9	23.5	28.1	27.0	27.6	30.5	29.9	30.1	29.2	28.3	28.6
6	25.0	23.6	24.3	28.8	27.4	28.1	30.1	29.5	29.7	28.5	27.6	27.9
7	25.6	24.0	24.8	29.3	28.2	28.7	29.7	29.0	29.4	27.6	27.0	27.3
8	25.6	24.3	24.8	29.1	27.9	28.5	29.4	28.9	29.1	27.3	26.8	27.1
9	25.1	23.8	24.5	28.8	28.0	28.3	29.2	28.5	28.9	27.2	26.8	27.0
10	24.9	23.9	24.3	28.3	27.7	28.1	29.3	28.9	29.0	26.9	26.1	26.5
11	24.4	23.6	23.9	28.2	27.5	27.9	29.2	28.7	29.0	26.5	25.7	26.0
12	25.0	23.8	24.3	28.8	28.0	28.3	29.3	28.7	29.0	25.8	25.2	25.4
13	25.4	24.4	24.9	28.7	28.4	28.5	29.3	29.0	29.1	25.2	24.9	25.0
14	26.0	24.5	25.2	28.4	28.0	28.2	29.6	29.0	29.3	25.0	24.7	24.9
15	26.5	25.4	25.9	28.7	28.0	28.2	29.8	29.3	29.6	25.8	24.7	25.2
16	27.2	25.8	26.5	29.1	28.4	28.7	30.3	29.5	29.9	26.3	25.5	25.9
17	27.3	26.2	26.9	29.6	28.7	29.2	30.7	29.8	30.2	27.0	25.9	26.5
18	27.0	26.2	26.5	30.0	29.2	29.6	30.4	29.5	30.1	27.1	26.1	26.7
19	26.3	25.7	26.0	30.4	29.3	29.9	30.7	29.7	30.3	27.3	26.0	26.6
20	26.0	24.9	25.6	30.6	29.4	30.0	31.0	30.0	30.6	27.0	25.8	26.4
21	27.0	25.4	26.1	30.5	29.5	29.9	31.6	30.5	31.1	27.2	26.0	26.5
22	27.0	26.0	26.6	30.1	29.0	29.6	31.4	30.6	31.0	26.9	25.9	26.3
23	27.5	26.1	26.8	30.3	29.3	29.9	31.0	30.0	30.4	26.5	25.8	26.1
24	27.5	26.4	27.0	30.5	29.6	30.2	30.2	29.3	29.8	26.7	26.2	26.4
25	27.0	25.6	26.2	30.6	29.8	30.2	29.4	28.6	29.0	26.6	26.2	26.4
26	26.8	25.3	26.0	30.8	29.8	30.3	29.0	28.4	28.6	26.6	26.3	26.4
27	27.2	26.6	26.8	31.3	30.5	30.9	28.8	28.4	28.5	26.4	26.3	26.3
28	26.9	25.8	26.5	31.5	30.9	31.1	29.0	28.2	28.7	26.3	26.2	26.2
29	26.3	25.7	26.0	31.3	30.7	31.0	29.4	28.7	29.1	26.8	26.1	26.4
30	27.5	26.1	26.8	30.7	29.8	30.5	29.5	29.0	29.3	26.6	26.1	26.4
31	---	---	---	29.8	29.3	29.5	29.4	28.8	29.1	---	---	---
MONTH	27.5	22.3	25.3	31.5	26.8	29.1	31.6	28.2	29.6	29.7	24.7	26.8
YEAR	31.6	6.0	19.3									

DAY	MAX	MIN	MEAN	Dissolved oxygen, water, unfiltered, milligrams per liter											
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN			
				OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	5.8	4.9	5.4	7.0	6.0	6.6	8.9	8.3	8.6	11.2	10.7	10.9			
2	5.8	4.9	5.4	7.0	6.2	6.6	8.9	8.4	8.6	11.1	10.3	10.8			
3	---	---	---	6.9	6.0	6.4	9.0	8.7	8.8	11.2	10.6	10.9			
4	---	---	---	6.6	5.9	6.3	9.1	8.7	8.9	11.1	10.6	10.8			
5	---	---	---	7.0	6.1	6.4	9.1	8.8	9.0	11.0	10.5	10.8			
6	---	---	---	7.2	6.8	6.9	9.0	8.7	8.9	10.8	10.4	10.6			
7	---	---	---	7.4	7.0	7.3	8.9	8.6	8.8	10.8	10.2	10.5			
8	---	---	---	7.4	6.8	7.2	8.8	8.4	8.6	10.6	10.0	10.3			
9	---	---	---	8.0	7.0	7.5	8.8	8.4	8.6	10.4	9.8	10.1			
10	---	---	---	8.1	7.3	7.7	8.8	8.3	8.5	10.5	9.7	10.1			
11	---	---	---	8.0	7.3	7.6	9.2	8.2	8.7	10.5	9.6	10.1			
12	---	---	---	7.8	6.4	7.3	9.4	8.6	9.0	10.4	9.8	10.1			
13	6.3	5.5	5.9	7.7	6.6	7.2	9.6	8.7	9.2	10.2	9.6	9.8			
14	6.9	5.5	6.1	8.5	7.2	7.9	9.8	9.0	9.4	9.7	9.3	9.5			
15	7.2	6.0	6.6	8.8	8.0	8.4	10.1	9.5	9.7	10.1	9.2	9.6			
16	7.4	6.3	6.8	8.8	8.1	8.5	10.2	9.7	9.9	10.7	9.9	10.2			
17	7.4	6.6	7.1	8.8	8.3	8.6	10.2	9.8	9.9	11.1	10.2	10.5			
18	7.2	6.4	6.8	8.6	8.1	8.4	10.1	9.7	9.9	11.3	10.4	10.8			
19	6.9	6.2	6.6	8.5	8.0	8.2	10.0	9.7	9.8	11.3	10.9	11.1			
20	6.8	5.9	6.3	8.3	7.8	8.0	10.4	9.9	10.1	11.5	11.0	11.2			
21	6.6	5.7	6.2	8.3	7.9	8.1	10.5	10.1	10.3	11.5	11.0	11.3			
22	7.0	6.0	6.5	8.3	7.7	7.9	10.5	10.2	10.3	11.2	10.7	11.0			
23	7.3	6.5	7.0	7.9	7.5	7.7	10.3	9.8	10.0	11.3	10.6	10.9			
24	7.2	6.6	6.9	7.9	7.3	7.7	9.9	9.6	9.7	11.8	11.1	11.4			
25	7.1	6.4	6.8	8.3	7.5	7.9	10.3	9.7	10.0	12.0	11.3	11.6			
26	7.0	6.3	6.7	8.5	7.7	8.1	10.7	10.2	10.4	11.9	11.3	11.7			
27	6.9	6.2	6.7	8.4	8.0	8.3	11.1	10.4	10.7	11.9	11.2	11.5			
28	6.8	6.1	6.4	8.8	8.1	8.4	11.3	10.7	11.0	12.3	11.5	11.8			
29	6.5	5.8	6.2	9.0	8.1	8.5	11.4	10.9	11.1	12.3	11.7	12.0			
30	6.8	5.9	6.5	8.9	8.4	8.7	11.3	10.8	11.0	12.5	11.8	12.1			
31	7.1	6.0	6.6	---	---	---	11.2	10.8	11.0	12.8	12.0	12.2			
MONTH	---	---	---	9.0	5.9	7.7	11.4	8.2	9.6	12.8	9.2	10.8			

