

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 (discontinued).

INSTRUMENTATION.--Data collection platform and mini-monitor.

REMARKS.--Specific conductance records rated excellent except for Nov. 22 to Dec. 16, Jan. 23 to Apr. 11, and June 11 to July 15, which are good. Temperature records rated excellent except for Nov. 22 to Dec. 16, Feb. 25 to Apr. 11, and June 11 to July 15, which are good, and July 15 to Sep. 30, which are fair.

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, 203 microsiemens, Oct. 7; minimum, 59 microsiemens, Sep. 10.

WATER TEMPERATURE: Maximum, 30.3°C, Aug. 31; minimum, 4.9°C, Jan. 25.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
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	160	156	158	149	145	147	141	139	140	132	129	131
2	161	157	159	150	145	147	142	140	141	132	129	131
3	161	159	159	153	146	147	145	139	141	132	130	131
4	164	159	161	158	145	148	159	139	142	130	128	129
5	167	160	163	155	145	148	151	139	141	132	129	130
6	176	162	166	157	143	147	145	138	140	132	128	130
7	203	163	173	150	144	145	144	137	139	132	129	131
8	194	163	172	146	143	145	140	137	138	133	130	132
9	188	164	172	148	142	144	140	137	138	133	131	132
10	---	---	---	148	142	145	143	137	138	133	131	132
11	---	---	---	146	142	144	140	136	137	133	131	132
12	---	---	---	146	144	145	137	136	137	133	130	132
13	---	---	---	146	143	144	138	136	137	133	131	132
14	---	---	---	145	142	144	137	134	135	132	131	132
15	---	---	---	144	140	142	136	133	134	133	130	132
16	142	133	136	143	138	141	135	132	133	133	131	132
17	144	132	138	141	137	139	136	133	134	133	130	131
18	146	136	142	143	134	139	136	133	135	132	129	130
19	145	142	144	143	137	140	137	134	135	131	128	130
20	145	142	143	142	134	138	139	134	136	130	128	129
21	147	143	145	140	135	138	136	134	135	134	129	130
22	145	142	144	141	136	139	137	134	136	141	131	133
23	145	143	145	141	138	140	137	134	135	138	128	131
24	146	143	145	142	137	140	136	133	135	128	126	127
25	146	144	145	142	139	141	134	124	131	128	126	127
26	146	144	145	142	140	142	128	123	126	132	126	128
27	147	144	146	142	140	141	128	124	126	137	127	130
28	147	145	146	142	140	141	131	126	128	137	128	131
29	147	146	146	141	139	140	129	125	128	135	127	130
30	150	146	147	141	139	140	130	125	127	133	128	130
31	150	145	147	---	---	---	132	128	130	130	126	128
MONTH	---	---	---	158	134	143	159	123	135	141	126	131

## COOPER RIVER BASIN

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

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	131	127	128	141	135	138	107	103	105	90	86	88
2	130	128	129	141	132	137	106	99	102	94	87	90
3	129	127	128	136	130	132	103	99	101	93	85	88
4	130	128	129	134	128	130	103	100	101	91	85	87
5	130	128	129	133	125	129	103	99	101	87	82	86
6	131	129	130	133	125	129	103	100	101	90	82	85
7	132	127	129	132	120	127	105	96	100	89	83	86
8	129	127	128	124	119	121	101	96	98	89	83	86
9	131	127	129	127	120	123	104	95	99	89	84	86
10	131	127	129	127	123	125	103	92	98	89	82	84
11	130	127	128	129	122	126	98	91	94	87	80	84
12	131	128	129	129	125	127	103	91	95	87	83	85
13	132	128	129	130	127	128	100	90	94	86	80	82
14	133	128	130	131	123	128	98	88	92	84	79	81
15	140	129	134	131	125	128	97	88	93	84	79	81
16	139	129	134	129	124	126	97	89	94	86	79	81
17	141	128	132	126	123	125	100	92	95	88	79	82
18	139	129	131	127	122	124	101	92	96	99	79	85
19	138	131	134	126	120	123	99	90	95	98	78	84
20	138	129	132	123	113	119	97	90	93	92	79	82
21	137	129	133	114	98	108	96	90	93	90	79	81
22	135	130	132	104	95	99	96	89	92	85	78	80
23	134	128	131	104	92	100	99	89	94	81	77	79
24	134	130	131	106	95	101	96	89	92	81	78	79
25	141	132	136	109	101	105	92	86	89	81	78	79
26	141	136	138	110	106	108	90	86	89	81	79	80
27	139	135	137	111	107	109	93	89	91	81	79	80
28	140	135	138	114	108	110	94	87	90	80	77	78
29	---	---	---	111	109	110	92	87	89	79	76	77
30	---	---	---	---	---	---	93	87	90	79	76	77
31	---	---	---	108	104	106	---	---	---	79	75	77
MONTH	141	127	131	---	---	---	107	86	95	99	75	83

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	78	76	77	82	78	79	76	70	74	80	77	79
2	78	75	77	80	78	79	77	72	73	78	74	77
3	77	75	76	83	78	80	79	73	76	80	72	76
4	78	75	76	83	80	82	78	72	75	78	67	76
5	81	77	78	86	78	82	76	71	73	76	67	72
6	81	77	80	82	74	78	74	70	72	82	69	74
7	80	77	79	80	76	78	73	70	72	75	70	72
8	80	77	78	83	79	81	76	71	74	78	69	73
9	80	77	78	82	79	80	87	70	77	74	60	66
10	81	76	79	87	80	82	90	70	78	67	59	63
11	78	76	77	---	---	---	74	70	72	72	63	67
12	78	76	77	93	76	85	75	71	73	72	66	67
13	79	77	78	85	78	80	79	72	75	69	65	67
14	81	78	80	85	77	80	93	75	78	71	66	68
15	82	78	80	86	77	79	92	76	80	69	66	68
16	84	78	80	88	78	81	92	76	83	71	68	69
17	79	73	77	80	75	78	94	81	85	72	67	69
18	78	69	74	81	68	75	89	81	86	71	66	68
19	71	66	69	78	66	70	91	72	85	69	66	68
20	71	67	69	79	66	73	82	74	78	73	69	70
21	74	68	72	79	67	74	84	76	80	72	64	69
22	75	71	73	78	67	72	79	72	77	67	63	65
23	75	71	74	79	68	75	74	62	69	69	62	65
24	75	74	74	81	68	75	75	64	71	74	67	69
25	77	75	76	77	66	71	80	74	77	90	67	74
26	81	75	78	72	65	69	96	80	89	89	69	74
27	82	77	79	70	66	68	109	96	101	92	69	76
28	80	77	79	73	68	70	117	109	115	88	69	73
29	81	77	79	72	68	70	117	106	113	92	68	74
30	79	76	77	73	69	71	106	79	88	90	68	73
31	---	---	---	77	71	73	83	79	80	---	---	---
MONTH	84	66	77	---	---	---	117	62	81	92	59	71

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

Temperature, water, degrees Celsius  
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	26.3	26.1	26.2	20.6	20.2	20.3	13.1	12.4	12.7	10.6	9.8	10.2
2	26.4	25.9	26.1	20.3	19.7	19.9	12.5	12.0	12.2	10.6	10.1	10.3
3	26.6	26.0	26.3	19.7	19.3	19.4	12.4	11.8	12.1	10.3	9.9	10.0
4	26.9	26.4	26.6	19.3	18.9	19.1	12.2	11.0	11.6	9.9	9.1	9.4
5	27.0	26.5	26.8	19.0	18.7	18.8	11.1	10.5	10.7	9.6	9.1	9.3
6	27.3	26.5	26.9	19.5	18.8	19.2	11.1	10.4	10.7	9.6	9.0	9.3
7	27.6	26.7	27.1	19.1	18.1	18.5	11.0	10.3	10.6	9.4	8.6	8.9
8	27.3	26.1	26.6	18.3	17.7	18.0	10.6	10.2	10.4	8.9	8.2	8.6
9	26.2	25.5	25.7	18.0	17.6	17.8	10.5	10.3	10.3	9.5	8.6	9.0
10	25.8	25.4	25.6	18.2	17.7	18.0	10.3	9.8	10.0	10.1	9.4	9.7
11	25.7	25.2	25.5	18.6	18.0	18.4	10.2	9.8	10.0	9.6	9.0	9.3
12	25.5	24.9	25.2	18.7	18.4	18.5	10.1	9.9	10.1	9.2	8.6	8.8
13	25.4	24.3	25.1	18.5	17.8	18.1	10.5	10.0	10.2	8.6	8.3	8.5
14	24.6	23.8	24.4	17.8	17.3	17.5	10.4	10.0	10.2	8.8	8.3	8.6
15	23.8	23.0	23.4	17.4	17.0	17.2	10.0	9.6	9.9	8.6	8.3	8.5
16	23.2	22.5	22.8	17.1	16.9	17.1	9.9	9.5	9.7	8.6	8.1	8.4
17	22.8	21.8	22.4	17.0	16.4	16.8	9.8	9.5	9.6	8.8	8.1	8.5
18	22.8	21.7	22.2	16.4	15.3	15.8	9.9	9.5	9.7	8.1	7.4	7.7
19	22.3	21.7	21.9	16.0	15.3	15.7	10.2	9.7	9.9	7.6	7.1	7.4
20	22.1	21.4	21.7	15.9	15.1	15.5	11.2	10.2	10.8	7.9	6.9	7.4
21	22.0	21.8	21.9	15.9	15.3	15.6	10.9	10.0	10.3	8.8	7.7	8.1
22	21.8	21.3	21.5	15.8	15.4	15.6	10.5	9.7	10.1	8.7	8.3	8.5
23	21.3	20.8	21.0	15.5	14.5	14.9	10.6	9.9	10.3	8.3	6.4	7.4
24	21.2	20.8	20.9	14.8	14.2	14.5	10.6	10.2	10.4	6.4	5.1	5.6
25	20.9	20.5	20.7	15.1	14.3	14.7	10.6	10.0	10.5	5.8	4.9	5.3
26	20.8	20.6	20.7	15.0	14.7	14.8	10.0	9.3	9.6	6.2	5.5	5.8
27	20.9	20.4	20.7	14.8	14.4	14.6	9.5	9.1	9.3	6.1	5.6	5.9
28	21.3	20.9	21.1	14.5	13.6	13.9	9.3	8.8	9.1	6.1	5.4	5.7
29	21.5	21.0	21.3	13.7	13.0	13.3	9.2	8.6	9.0	6.7	5.6	6.1
30	21.5	20.9	21.3	13.2	12.8	12.9	9.5	8.8	9.1	7.0	6.6	6.8
31	20.9	20.5	20.7	---	---	---	9.8	9.3	9.5	6.9	6.2	6.4
MONTH	27.6	20.4	23.6	20.6	12.8	16.8	13.1	8.6	10.3	10.6	4.9	8.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.1	6.2	6.6	10.2	9.8	10.0	16.1	14.8	15.5	20.9	19.8	20.4
2	7.5	6.5	7.0	11.2	10.2	10.7	16.8	15.2	16.0	21.0	19.6	20.2
3	8.1	7.1	7.6	11.8	10.7	11.2	17.4	15.9	16.6	20.9	19.7	20.4
4	9.1	8.0	8.5	11.6	11.0	11.4	17.6	16.6	17.1	21.7	20.3	21.0
5	9.0	8.0	8.6	12.4	11.5	11.9	18.1	16.6	17.4	21.5	20.4	20.9
6	8.9	7.8	8.2	12.6	11.7	12.1	18.1	17.2	17.7	21.4	20.2	20.9
7	8.1	7.3	7.6	12.5	11.5	12.1	18.0	16.7	17.1	22.0	20.4	21.2
8	8.1	7.3	7.6	12.5	11.1	11.8	16.8	15.8	16.2	22.8	21.7	22.1
9	8.3	7.6	7.9	12.8	12.2	12.4	15.9	15.5	15.7	23.5	21.9	22.7
10	8.6	8.0	8.1	13.3	12.1	12.7	15.5	14.7	15.0	23.5	22.0	22.8
11	8.6	7.8	8.2	13.6	12.5	12.9	14.8	14.0	14.4	24.3	23.4	23.8
12	8.9	8.2	8.5	13.9	12.9	13.3	15.8	13.9	14.9	24.1	22.6	23.6
13	9.0	8.4	8.7	14.0	13.3	13.6	16.9	15.2	16.0	24.0	22.6	23.2
14	9.0	8.6	8.8	13.6	12.7	13.1	17.7	16.3	16.9	23.9	23.3	23.7
15	10.0	8.5	9.2	12.8	12.2	12.4	18.2	16.6	17.4	23.7	22.6	22.8
16	9.9	9.1	9.5	13.4	12.1	12.7	18.3	16.5	17.5	23.2	22.0	22.7
17	9.4	8.2	8.6	13.8	13.4	13.6	18.3	16.6	17.5	23.3	22.8	23.0
18	8.3	8.0	8.2	14.5	13.7	14.1	18.2	16.8	17.5	23.1	22.5	22.8
19	8.9	7.8	8.3	15.0	13.9	14.4	18.2	16.5	17.2	22.9	22.1	22.4
20	9.4	8.6	9.0	15.4	14.4	14.9	17.6	16.2	17.0	22.8	21.6	22.2
21	9.9	9.1	9.5	16.1	14.4	15.1	18.8	17.3	18.0	23.3	22.4	22.8
22	11.0	9.4	10.0	16.8	15.2	15.8	19.5	18.4	18.9	22.9	21.9	22.6
23	10.8	10.2	10.6	17.1	16.0	16.6	19.4	18.5	19.0	22.4	21.8	22.0
24	11.1	10.0	10.5	17.2	15.8	16.5	20.0	18.8	19.4	23.2	21.9	22.4
25	11.8	10.8	11.2	17.1	15.8	16.4	19.8	18.5	19.2	23.6	22.6	23.2
26	11.5	10.4	11.1	17.1	15.9	16.3	18.9	18.1	18.5	23.8	23.0	23.4
27	10.6	9.4	10.0	16.7	15.7	16.2	19.7	18.5	19.1	23.4	22.7	23.1
28	10.1	9.3	9.6	16.4	15.3	15.9	20.4	19.0	19.8	23.9	22.6	23.3
29	---	---	---	17.3	15.8	16.4	20.9	19.6	20.2	24.2	23.1	23.7
30	---	---	---	---	---	---	20.9	19.6	20.2	24.3	23.0	23.7
31	---	---	---	16.0	14.7	15.3	---	---	---	---	---	---
MONTH	11.8	6.2	8.8	---	---	---	20.9	13.9	17.4	---	---	---

## COOPER RIVER BASIN

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

Temperature, water, degrees Celsius  
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	27.8	27.3	27.4	28.1	27.4	27.7	30.2	29.3	29.7
2	25.2	23.4	24.3	27.3	26.7	27.0	28.1	27.1	27.6	30.0	29.1	29.4
3	24.5	23.8	24.2	27.8	26.5	27.1	28.0	27.5	27.6	29.6	29.0	29.3
4	24.2	23.5	23.9	27.8	27.1	27.5	28.1	27.4	27.7	29.6	29.1	29.3
5	25.1	23.7	24.3	27.7	27.1	27.4	27.8	27.0	27.4	29.5	28.7	29.0
6	25.1	24.3	24.9	27.8	26.9	27.3	28.3	27.4	27.8	28.7	27.0	27.8
7	25.2	24.2	24.7	28.0	27.5	27.7	28.5	27.8	28.2	27.1	25.7	26.4
8	25.1	24.2	24.6	28.4	27.4	27.8	28.5	28.1	28.4	26.5	25.7	26.0
9	25.8	24.4	25.0	29.2	28.2	28.7	28.9	28.1	28.5	26.3	25.0	25.5
10	26.3	25.0	25.7	29.3	28.6	28.9	28.9	28.2	28.5	25.5	25.0	25.3
11	27.0	25.6	26.2	29.6	28.3	29.0	28.8	28.0	28.5	25.3	24.5	24.9
12	26.6	25.6	26.1	29.7	28.5	29.0	29.0	28.0	28.5	25.0	24.4	24.6
13	26.3	25.3	25.9	29.4	28.4	28.7	28.8	28.1	28.5	25.2	24.4	24.7
14	26.4	25.3	25.9	28.8	28.0	28.3	29.0	28.2	28.6	25.6	24.7	25.0
15	26.9	25.5	26.3	28.6	27.7	28.2	29.4	28.5	28.9	25.5	24.7	25.1
16	27.5	26.1	26.8	29.2	28.1	28.6	29.4	28.7	29.0	25.6	24.6	25.1
17	26.2	25.4	25.9	29.0	27.8	28.3	29.3	28.6	28.9	25.0	24.2	24.6
18	25.7	25.0	25.3	28.3	27.6	28.0	29.4	28.8	29.0	24.6	23.9	24.2
19	25.9	24.7	25.3	28.2	27.5	27.9	29.3	28.5	28.9	24.5	23.9	24.1
20	26.6	25.6	26.0	28.4	27.5	27.9	29.2	28.7	28.9	24.8	24.2	24.5
21	26.8	25.7	26.3	28.5	28.0	28.2	29.3	28.8	29.1	25.2	24.5	24.8
22	27.2	26.0	26.4	28.2	27.6	28.0	29.1	28.6	28.8	25.0	24.4	24.7
23	27.0	25.9	26.4	27.6	26.9	27.4	29.4	28.7	29.0	24.7	24.3	24.5
24	27.6	26.2	26.9	27.1	26.4	26.8	29.6	29.1	29.3	24.7	24.1	24.4
25	27.8	26.6	27.2	26.9	26.2	26.7	29.6	28.9	29.3	25.1	24.1	24.7
26	28.2	27.0	27.6	26.5	25.8	26.2	29.8	28.8	29.3	25.1	24.4	24.7
27	28.5	27.1	27.8	27.1	25.5	26.4	30.1	29.0	29.6	25.0	24.3	24.7
28	28.2	27.2	27.8	27.5	26.0	26.8	30.1	29.1	29.7	25.1	24.4	24.8
29	28.0	27.1	27.5	27.9	26.6	27.2	30.2	29.3	29.8	24.6	23.5	24.0
30	27.9	26.6	27.3	28.4	27.4	27.8	30.2	29.3	29.8	23.9	23.1	23.3
31	---	---	---	28.4	27.6	28.0	30.3	29.3	29.8	---	---	---
MONTH	---	---	---	29.7	25.5	27.7	30.3	27.0	28.7	30.2	23.1	25.6