

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORDS.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 249 microsiemens, Oct. 15, 1996; minimum, 30 microsiemens, Mar. 30, 1980, and Aug. 21, 1986.

pH: Maximum, 8.3 units, Jul. 24, 1977; minimum, 5.0 units, Jul. 13, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, Aug. 25, 1975, Jul. 25, 1976, Jul. 11, 16, 1977, and many days in Jul. 1986; minimum, <0.5°C, Jan. 19-21, 1977, Jan. 11, 1988, Jan. 20, 1994.

DISSOLVED OXYGEN: Maximum, 14.3 mg/L, many days in Jan. 1988; minimum, 2.6 mg/L, Aug. 12, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 172 microsiemens, Aug. 27; minimum, 71 microsiemens, Jan. 25, Feb. 4.

pH: Maximum, 8.0 units, Oct. 27, 28; minimum 5.3 units, Oct. 14.

WATER TEMPERATURE: Maximum, 31.0°C, many days in Aug.; minimum, 4.5°C, Jan. 5, 6.

DISSOLVED OXYGEN: Maximum, 12.9 mg/L, Jan. 5; minimum, 2.6 mg/L, Aug. 12.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
	OCTOBER			NOVEMBER			DECEMBER			MAX	MIN	MEAN	
1	118	106	109	112	108	110	117	112	115	99	88	91	
2	128	105	113	123	110	116	117	112	114	101	88	92	
3	121	107	114	128	107	115	116	113	114	105	92	98	
4	117	111	113	112	108	110	118	112	116	110	79	96	
5	123	109	114	118	112	115	113	110	112	105	84	94	
6	114	105	110	116	111	112	113	111	111	104	86	97	
7	107	100	104	116	112	114	114	111	112	101	86	95	
8	104	100	102	125	113	116	114	111	112	101	93	97	
9	108	102	105	131	114	124	113	111	112	100	83	93	
10	112	104	106	118	112	116	118	113	116	104	89	98	
11	110	103	107	117	111	113	122	114	117	104	90	97	
12	104	99	102	120	111	114	121	115	118	104	97	100	
13	103	99	102	121	112	114	123	117	120	100	96	98	
14	104	100	102	123	112	116	128	120	124	100	96	98	
15	104	101	102	126	113	117	127	113	119	102	94	97	
16	104	101	102	121	113	118	118	112	114	100	95	98	
17	102	99	101	117	111	113	115	112	114	103	97	100	
18	104	99	102	114	112	113	114	111	113	105	98	102	
19	116	104	108	114	113	114	114	107	111	101	85	92	
20	111	104	107	113	111	112	109	107	108	96	85	90	
21	113	104	106	114	111	112	109	105	107	93	88	89	
22	112	107	109	114	109	112	109	107	108	98	90	95	
23	121	104	108	112	109	110	112	109	110	101	92	95	
24	110	105	107	112	109	110	114	111	112	103	78	96	
25	120	108	112	112	110	111	114	110	113	96	71	77	
26	123	109	116	112	110	111	112	88	103	82	74	77	
27	113	108	110	114	111	113	101	84	89	79	75	77	
28	117	108	111	116	113	115	98	84	89	82	76	79	
29	117	107	111	117	115	116	100	82	89	91	80	83	
30	116	109	113	122	115	118	101	82	89	91	82	86	
31	111	108	109	---	---	---	106	89	98	94	91	93	
MONTH	128	99	108	131	107	114	128	82	110	110	71	93	

SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C.), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	27.5	27.0	27.0	22.0	21.0	21.5	17.0	14.5	15.5	10.5	6.5	8.0
2	27.5	25.5	26.0	22.0	20.0	20.5	17.0	14.0	15.5	9.5	6.0	7.0
3	26.0	25.0	25.5	22.0	19.5	21.0	17.5	14.5	16.0	10.5	5.5	8.5
4	26.0	25.5	26.0	21.5	19.5	20.5	17.0	13.5	15.0	12.5	5.0	8.0
5	26.5	25.0	26.0	19.5	18.0	18.5	18.0	16.5	17.5	11.0	4.5	8.0
6	26.5	24.5	26.0	19.0	18.0	18.5	18.5	16.5	17.5	11.0	4.5	9.0
7	26.0	25.0	25.5	18.0	17.0	17.5	17.5	16.5	17.0	10.0	6.0	8.5
8	25.5	24.5	25.5	17.5	14.5	16.5	18.0	17.5	17.5	10.5	8.5	9.5
9	25.5	23.5	25.0	18.0	12.5	14.5	18.0	17.5	18.0	10.0	6.0	8.5
10	25.0	23.0	24.5	19.5	17.0	17.5	17.5	16.0	16.5	10.0	6.5	8.5
11	23.5	22.0	23.0	19.0	18.0	18.5	17.0	15.0	16.5	10.5	6.0	8.0
12	24.5	21.5	22.5	19.0	17.5	18.0	16.0	14.0	15.5	11.0	6.5	9.0
13	24.5	21.0	23.5	19.0	16.5	18.0	15.0	13.5	14.5	9.5	6.5	7.5
14	24.5	23.0	24.0	18.5	15.5	17.5	14.0	11.5	12.5	9.0	7.0	8.0
15	24.0	22.5	23.5	17.5	15.5	17.0	15.0	11.5	13.5	10.5	9.0	9.5
16	23.0	22.5	23.0	18.0	16.5	17.0	15.5	13.0	14.5	10.0	8.5	9.0
17	23.0	22.5	23.0	18.5	16.5	18.0	15.0	12.0	14.0	9.0	8.5	8.5
18	23.5	21.5	22.0	18.0	17.0	17.5	14.5	12.0	14.0	11.5	8.5	9.5
19	24.0	21.0	22.0	17.0	15.5	16.5	14.5	9.5	13.0	10.5	9.0	10.0
20	24.0	22.0	23.0	17.0	15.0	16.0	11.0	9.0	10.0	11.0	9.0	10.0
21	23.5	21.0	22.0	17.5	14.5	16.5	12.0	9.5	10.5	11.0	9.0	10.0
22	22.0	20.0	20.5	16.5	14.5	16.0	14.0	12.0	13.0	11.0	9.0	10.0
23	22.0	18.0	20.5	18.5	13.0	15.5	13.0	11.0	12.5	12.0	9.0	11.0
24	21.5	19.5	20.5	18.5	16.0	17.5	12.5	9.5	12.0	12.5	11.0	12.0
25	21.0	18.0	19.5	18.0	17.0	17.5	9.5	8.0	8.5	13.0	11.0	12.0
26	21.5	17.5	19.5	18.0	17.0	17.5	12.0	7.5	8.5	12.0	10.5	11.0
27	21.5	20.0	21.0	17.0	16.0	16.5	12.0	7.5	9.0	11.5	10.0	10.5
28	21.5	19.5	21.0	16.0	15.0	15.5	9.0	7.0	8.0	11.5	10.5	11.0
29	21.5	20.0	20.5	16.0	14.5	15.0	10.5	7.0	8.5	11.5	11.0	11.5
30	22.0	20.0	20.5	15.5	13.0	14.0	11.5	7.0	8.5	11.5	11.5	11.5
31	23.0	21.5	22.0	---	---	---	11.5	8.0	10.0	11.5	10.5	11.0
MONTH	27.5	17.5	23.0	22.0	12.5	17.4	18.5	7.0	13.3	13.0	4.5	9.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.0	9.5	11.0	12.0	9.5	10.5	16.5	14.0	14.5	16.5	14.5	16.0
2	11.0	8.5	9.5	13.0	10.5	11.5	17.0	14.0	15.5	15.5	14.0	14.5
3	10.0	8.0	9.0	12.0	10.5	11.5	18.0	16.0	17.0	17.5	15.5	16.0
4	10.0	9.0	9.5	11.5	10.0	10.5	18.0	14.5	16.5	18.5	16.5	17.5
5	12.0	9.5	10.5	12.0	10.0	11.0	17.5	16.5	17.5	18.5	17.0	17.5
6	11.0	9.5	10.0	12.0	10.0	11.0	18.0	15.5	17.0	19.0	17.0	18.0
7	11.5	10.0	11.0	12.0	10.5	11.0	19.5	15.5	17.0	19.0	17.0	18.0
8	12.5	11.0	12.0	12.5	10.0	11.5	20.5	16.0	17.5	21.0	17.5	19.0
9	13.0	12.0	12.5	12.0	10.5	11.5	20.0	16.0	17.5	21.5	17.5	19.0
10	13.0	12.0	12.5	11.5	10.5	11.0	20.0	15.5	17.5	22.0	18.5	20.0
11	14.5	12.5	13.5	11.5	10.5	11.0	21.5	16.5	18.5	22.0	19.0	20.5
12	15.0	13.0	14.0	11.5	10.0	11.0	21.0	16.0	17.5	22.0	19.0	20.5
13	13.5	11.5	13.0	11.5	10.0	10.5	19.5	16.5	18.0	22.0	19.0	20.5
14	12.0	10.5	11.0	11.0	8.5	10.5	18.5	17.0	18.0	22.0	19.0	20.5
15	12.0	10.0	11.0	11.5	8.0	9.5	18.0	17.0	17.5	21.0	19.0	20.0
16	12.5	10.5	12.0	12.5	9.0	10.5	18.5	16.5	17.0	22.0	19.0	20.5
17	12.0	9.5	10.5	12.0	10.0	11.0	17.5	16.5	17.0	22.5	17.5	20.5
18	11.0	10.0	10.5	13.5	10.5	12.0	18.5	16.0	16.5	22.5	20.0	21.0
19	11.0	10.5	11.0	14.0	12.0	13.0	18.0	16.5	17.0	22.5	20.5	21.5
20	12.0	10.5	11.0	14.5	13.0	13.5	18.5	16.5	17.5	23.0	21.5	22.0
21	11.0	9.5	10.0	15.0	13.5	14.0	19.5	17.0	18.0	23.0	20.0	21.5
22	13.0	8.5	11.5	15.0	13.5	14.0	20.0	17.5	18.5	23.0	20.5	21.5
23	11.0	8.5	10.0	14.0	13.0	13.5	20.5	17.5	18.5	23.5	20.5	21.5
24	11.5	8.0	10.0	15.5	13.0	14.0	20.5	18.0	19.0	23.5	20.5	21.5
25	11.5	10.0	10.5	15.0	12.5	14.0	21.0	19.0	19.5	23.5	19.0	20.5
26	10.5	8.0	9.0	14.0	13.5	13.5	21.0	19.5	20.5	22.5	20.5	21.0
27	11.0	8.0	9.5	14.0	13.5	13.5	21.0	19.0	19.5	23.5	21.5	22.5
28	11.0	9.5	10.0	14.5	13.5	14.0	19.5	18.0	19.0	23.5	21.5	22.5
29	---	---	---	14.5	13.5	14.0	18.0	17.5	17.5	23.5	22.0	22.5
30	---	---	---	15.0	13.5	14.0	17.5	16.0	16.5	24.5	22.0	23.0
31	---	---	---	15.0	14.0	14.5	---	---	---	24.5	22.5	23.5
MONTH	15.0	8.0	10.9	15.5	8.0	12.1	21.5	14.0	17.6	24.5	14.0	20.1

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	5.8	3.4	4.4	---	---	---	9.6	8.1	8.6	12.3	9.9	11.1
2	5.5	4.4	4.9	---	---	---	9.6	7.9	8.6	12.5	10.7	11.6
3	5.8	4.3	5.0	---	---	---	9.8	8.0	8.7	12.1	10.0	11.2
4	5.9	4.1	4.9	---	---	---	9.8	8.2	9.1	12.8	9.7	11.2
5	5.1	3.8	4.4	---	---	---	8.5	7.8	8.2	12.9	8.4	10.1
6	5.3	3.4	4.4	---	---	---	8.6	7.8	8.1	12.7	8.1	10.0
7	4.4	3.0	3.8	---	---	---	9.0	7.9	8.3	11.3	9.7	10.5
8	4.3	3.1	3.7	---	---	---	8.7	7.8	8.1	11.1	9.8	10.3
9	4.6	3.1	3.7	---	---	---	8.9	7.8	8.2	12.0	10.1	10.9
10	5.3	3.1	4.1	---	---	---	9.1	8.1	8.6	11.7	9.8	10.6
11	5.2	3.6	4.4	7.9	7.3	7.5	8.9	8.1	8.6	12.0	9.9	11.0
12	6.9	3.4	5.3	7.7	7.0	7.3	8.9	8.0	8.4	11.8	9.9	10.8
13	6.8	5.4	6.2	7.7	7.1	7.3	9.3	8.3	8.9	11.9	10.4	11.3
14	7.2	5.4	6.2	---	---	---	10.4	8.7	9.4	11.7	10.9	11.4
15	8.0	6.1	7.0	---	---	---	9.9	8.2	9.0	11.5	10.3	11.0
16	7.8	6.9	7.4	---	---	---	9.1	8.3	8.7	11.3	10.2	10.8
17	8.4	6.8	7.6	---	---	---	9.9	8.1	8.9	11.3	10.4	11.0
18	8.2	6.9	7.6	---	---	---	9.8	8.1	8.8	11.2	10.1	10.7
19	7.8	5.9	7.2	---	---	---	11.1	8.2	9.3	10.7	9.9	10.4
20	7.7	5.4	6.4	---	---	---	10.7	9.5	10.0	10.5	9.7	10.2
21	7.4	5.7	6.6	---	---	---	11.3	9.4	10.5	10.7	9.9	10.4
22	8.2	5.3	6.7	---	---	---	10.5	9.3	9.9	10.7	10.1	10.3
23	8.2	6.9	7.5	8.9	7.7	8.4	10.8	9.0	9.7	10.4	9.9	10.1
24	7.4	5.7	6.3	8.7	7.5	8.0	10.7	9.3	9.7	10.2	9.5	9.9
25	---	---	---	8.3	7.5	7.8	11.2	10.3	10.7	9.9	9.3	9.6
26	---	---	---	8.4	7.6	8.0	11.5	9.8	10.7	9.9	9.5	9.7
27	---	---	---	8.8	7.8	8.3	11.3	9.3	10.6	10.2	9.7	10.0
28	---	---	---	9.1	8.5	8.8	11.6	10.1	11.0	10.3	9.8	10.1
29	---	---	---	9.4	8.4	8.9	12.0	9.5	10.7	10.2	9.7	10.0
30	---	---	---	9.8	8.4	9.2	12.0	9.4	11.0	10.0	9.8	9.9
31	---	---	---	---	---	---	11.5	9.5	10.4	10.1	9.8	9.9
MONTH	8.4	3.0	5.7	9.8	7.0	8.1	12.0	7.8	9.3	12.9	8.1	10.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.4	8.9	9.9	10.6	9.6	10.1	9.0	8.6	8.8	8.1	7.5	7.8
2	10.9	9.1	10.1	10.2	9.0	9.6	8.9	7.8	8.5	8.8	7.9	8.5
3	11.4	9.1	10.3	9.6	9.0	9.3	8.8	8.1	8.5	8.4	7.7	8.0
4	10.7	9.6	10.3	9.6	9.0	9.3	9.0	8.2	8.6	8.7	8.0	8.3
5	10.5	9.6	10.1	9.8	9.0	9.5	---	---	---	8.3	7.9	8.2
6	10.4	9.9	10.2	10.3	9.6	9.9	---	---	---	8.3	7.8	8.0
7	10.3	9.7	10.1	10.5	9.6	10.2	8.9	7.7	8.3	8.2	7.8	8.0
8	10.2	9.6	9.9	10.3	9.6	10.0	8.9	8.3	8.7	8.4	7.8	8.1
9	9.8	9.3	9.6	10.3	9.4	9.7	8.9	7.6	8.5	8.2	7.6	7.9
10	9.7	9.3	9.6	10.2	9.5	9.9	8.8	8.0	8.4	8.6	7.7	8.0
11	9.7	9.2	9.5	10.5	9.4	9.9	8.8	7.5	8.4	8.4	7.6	8.0
12	9.7	9.1	9.4	10.5	9.5	10.1	8.7	7.5	8.3	8.4	7.6	7.9
13	9.7	8.9	9.3	10.9	9.8	10.5	8.7	7.9	8.4	8.3	7.5	7.8
14	10.0	9.2	9.6	10.5	9.3	9.9	8.9	7.5	8.4	7.7	7.2	7.4
15	10.2	9.1	9.7	10.5	9.2	9.9	8.6	8.1	8.3	8.2	7.4	7.9
16	10.2	9.1	9.5	10.7	9.5	10.0	8.7	8.2	8.4	8.0	7.3	7.6
17	10.6	9.1	10.1	10.5	9.5	10.0	9.0	8.3	8.5	8.0	7.4	7.7
18	10.5	9.6	10.2	10.7	9.5	10.1	8.8	8.2	8.5	7.9	7.3	7.6
19	10.4	9.8	10.1	10.3	9.4	9.9	8.8	7.8	8.3	7.8	7.1	7.4
20	10.2	9.4	9.9	9.9	8.7	9.5	8.1	7.4	7.8	7.7	7.1	7.4
21	10.6	9.3	9.9	9.5	9.0	9.3	8.8	7.5	8.3	7.7	7.2	7.5
22	10.7	9.1	9.9	9.9	8.6	9.1	9.0	8.2	8.6	7.4	6.9	7.1
23	10.5	9.1	9.8	10.0	8.8	9.2	8.7	7.7	8.4	7.2	6.7	6.9
24	10.7	9.3	9.9	9.0	8.6	8.9	8.4	6.5	7.8	7.6	6.7	7.0
25	10.3	9.3	9.7	8.7	8.3	8.5	8.6	7.7	8.1	7.2	5.6	6.5
26	11.0	9.4	10.3	9.0	8.5	8.8	8.1	7.1	7.6	7.0	5.7	6.5
27	10.8	9.8	10.4	9.0	8.3	8.7	7.9	6.5	7.2	7.3	6.3	6.7
28	10.9	9.8	10.5	8.9	8.2	8.5	7.4	6.5	7.1	7.3	6.4	6.8
29	---	---	---	9.0	8.6	8.9	7.4	6.9	7.2	7.5	6.5	7.0
30	---	---	---	9.2	8.8	9.0	8.1	7.0	7.7	7.5	6.9	7.2
31	---	---	---	9.2	8.7	9.0	---	---	---	7.6	6.8	7.3
MONTH	11.4	8.9	9.9	10.9	8.2	9.5	9.0	6.5	8.2	8.8	5.6	7.5

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999