

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

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.

REMARKS.--Specific conductance records rated excellent except for Nov. 24, 25, Jan 22 to Feb. 1, June 3, which are good, Feb. 2, which is fair. pH records rated poor. Temperature records rated excellent. Dissolved oxygen records rated good except for Dec. 15-23, Jan. 15, May 11, which are fair, May 12-19, July 3-7, Aug. 29-31, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 216 microsiemens Aug. 17, 2002; minimum, 21 microsiemens, Feb. 28, 1984.

pH: Maximum, 8.7 units Aug. 11, 2002; minimum, 5.0 units Jul. 4, 1987.

WATER TEMPERATURE: Maximum, 32.5°C Jul. 19-21, 1986; minimum, <0.5°C many days, many years.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L Jan. 20, 1976; minimum, 2.0 mg/L Sep. 6, 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 142 microsiemens, Jan. 31; minimum, 34 microsiemens, Sep. 29.

pH: Maximum, 8.2 units, Feb. 12; minimum, 5.8 units, Nov. 21.

WATER TEMPERATURE: Maximum, 30.1°C, Aug. 4; minimum, 1.6°C, Jan. 28.

DISSOLVED OXYGEN: Maximum, 13.3 mg/L, Jan. 11; minimum, 5.4 mg/L, Sep. 11.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	102	92	97	98	89	93	85	72	77	90	75	80
2	99	92	96	98	93	95	82	75	77	84	77	79
3	101	94	98	102	95	98	90	77	81	90	78	80
4	101	94	97	100	94	96	85	80	82	85	79	81
5	103	96	100	101	96	98	86	82	84	80	76	78
6	104	100	102	102	96	98	101	85	89	79	75	77
7	102	99	101	101	96	98	93	81	86	79	75	76
8	100	97	98	102	98	100	98	80	85	77	71	74
9	98	94	96	98	89	94	99	82	87	76	72	74
10	96	92	94	95	90	92	88	84	86	83	76	80
11	93	85	88	99	94	96	94	80	85	88	82	85
12	89	84	86	101	94	97	81	57	66	89	83	85
13	93	86	90	101	96	98	62	58	60	88	85	86
14	92	88	90	101	98	99	69	62	66	91	84	87
15	97	90	93	103	96	99	97	55	70	90	82	85
16	97	92	94	110	103	107	58	52	56	92	79	84
17	99	94	96	112	106	108	71	50	59	90	83	86
18	102	97	99	111	107	109	70	63	67	97	85	88
19	103	97	99	110	92	97	76	69	73	102	85	90
20	103	98	101	92	58	79	79	74	76	97	87	91
21	104	100	101	69	56	63	83	79	80	93	82	88
22	104	98	101	76	64	70	87	80	83	95	82	87
23	102	97	99	82	72	77	88	79	83	97	82	88
24	101	96	98	88	80	84	95	76	82	99	87	90
25	102	98	99	95	83	88	90	77	81	93	87	90
26	103	100	102	92	84	87	86	77	79	92	87	90
27	104	101	103	86	79	83	90	78	81	98	89	92
28	103	95	100	88	80	82	91	77	81	103	82	91
29	95	76	86	88	80	84	84	74	78	101	84	90
30	84	76	80	93	84	87	90	73	78	136	91	108
31	93	82	87	---	---	---	85	75	79	142	120	132
MONTH	104	76	96	112	56	92	101	50	77	142	71	87





## SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.5	16.0	17.2	15.9	13.7	14.7	9.0	7.1	7.9	6.5	4.6	5.5
2	18.6	16.7	17.4	16.3	13.9	15.0	8.4	6.8	7.5	6.7	5.5	6.1
3	17.0	15.1	16.0	16.6	14.2	15.3	7.2	6.4	6.7	8.8	6.4	7.5
4	17.0	14.6	15.9	17.1	15.5	16.2	6.6	6.0	6.3	11.0	8.8	10.0
5	17.8	15.3	16.5	18.6	16.7	17.5	6.3	5.8	6.1	13.0	10.8	12.1
6	18.3	16.8	17.6	19.9	18.0	18.8	7.4	5.7	6.3	12.8	10.0	11.7
7	19.2	18.0	18.6	20.1	18.6	19.3	6.6	5.2	5.7	10.0	6.9	8.3
8	18.7	18.1	18.4	19.1	17.4	18.4	6.7	4.5	5.3	6.9	6.0	6.4
9	19.0	18.4	18.7	17.4	14.7	16.3	6.4	4.5	5.4	6.4	5.7	6.1
10	18.8	18.3	18.5	14.7	12.7	13.6	7.2	5.6	6.5	5.7	4.6	5.3
11	18.7	18.2	18.5	13.7	11.6	12.6	8.0	6.7	7.2	5.0	3.8	4.3
12	19.8	18.3	18.9	14.8	12.2	13.5	7.8	6.9	7.4	5.5	3.5	4.4
13	20.0	18.4	19.2	15.4	13.1	14.4	6.9	6.0	6.5	6.5	4.4	5.3
14	20.0	19.3	19.6	13.1	10.7	11.8	6.0	5.3	5.7	6.5	4.6	5.5
15	19.4	17.2	18.4	12.1	10.3	11.0	7.2	4.9	5.9	7.8	5.8	6.4
16	17.6	15.6	16.5	12.6	10.5	11.6	6.2	5.6	5.8	6.7	5.2	5.8
17	16.3	14.8	15.7	14.5	12.3	13.3	7.6	5.8	6.4	5.7	4.5	5.2
18	16.7	14.9	15.7	15.4	13.6	14.4	6.6	5.7	6.0	7.6	5.6	6.5
19	16.6	14.3	15.4	16.8	15.4	16.0	6.6	5.8	6.1	8.4	6.4	7.2
20	17.0	14.6	15.7	16.1	14.8	15.6	5.8	4.5	5.3	6.4	4.6	5.6
21	17.3	15.0	16.2	15.5	13.6	14.5	4.5	3.4	3.9	4.9	3.6	4.3
22	17.9	15.8	16.6	13.8	12.5	13.1	4.3	2.8	3.5	5.3	3.1	4.1
23	16.2	14.7	15.5	13.2	11.7	12.4	5.1	3.2	4.1	5.8	3.5	4.5
24	15.7	13.8	14.6	13.0	12.0	12.5	7.9	5.1	6.4	6.4	3.8	4.9
25	15.4	13.3	14.3	12.1	9.7	10.8	6.8	5.3	6.0	5.8	4.0	5.3
26	15.6	14.3	15.0	10.3	8.7	9.4	5.9	4.3	4.9	4.0	2.4	3.0
27	16.5	15.5	16.0	10.4	9.1	9.7	5.3	3.5	4.2	3.1	2.3	2.6
28	16.1	15.4	15.8	12.1	10.4	11.1	5.3	3.3	4.1	3.8	1.6	2.5
29	16.2	14.9	15.3	10.7	8.1	9.5	5.8	3.8	4.7	3.9	1.7	2.6
30	15.6	13.8	14.6	8.6	7.3	7.8	8.2	5.8	6.9	4.9	2.5	3.6
31	15.7	13.5	14.5	---	---	---	7.0	5.4	6.1	4.9	3.3	3.9
MONTH	20.0	13.3	16.7	20.1	7.3	13.7	9.0	2.8	5.8	13.0	1.6	5.7

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.1	2.9	3.7	7.8	6.1	7.0	14.4	13.2	13.8	20.2	18.4	19.2
2	4.1	3.2	3.7	11.4	7.6	9.5	13.2	11.7	12.4	20.1	19.2	19.6
3	5.3	3.8	4.2	13.7	11.3	12.5	14.9	10.5	12.4	19.9	18.8	19.4
4	5.0	4.1	4.5	15.4	13.2	14.2	15.7	12.3	13.9	18.9	17.3	18.1
5	4.5	4.0	4.3	16.0	14.4	15.3	15.6	12.5	14.0	19.4	16.6	17.9
6	5.6	4.1	4.6	17.4	15.5	16.3	16.2	12.6	14.3	21.2	18.0	19.6
7	6.3	5.3	5.8	17.7	15.1	16.2	16.6	13.2	15.0	22.9	19.4	21.1
8	6.0	5.2	5.7	15.9	13.4	14.5	15.8	14.5	15.1	24.0	20.5	22.2
9	5.6	5.1	5.3	13.4	11.1	12.1	17.8	13.8	15.7	24.8	22.0	23.3
10	5.9	4.9	5.4	12.0	10.1	10.9	18.3	15.1	16.8	24.6	21.8	23.1
11	7.2	5.7	6.6	11.8	8.6	10.2	18.3	16.4	17.4	23.9	21.6	22.8
12	7.3	6.8	7.1	13.0	9.5	11.1	17.6	15.0	16.2	23.1	22.1	22.6
13	7.8	6.3	7.1	13.2	10.1	11.3	16.3	14.2	15.1	24.3	21.5	22.7
14	7.9	7.5	7.8	13.1	10.6	11.7	15.3	14.3	14.7	24.6	21.9	23.0
15	8.1	7.6	7.8	14.1	12.2	13.0	15.0	13.1	14.1	24.4	21.5	22.8
16	8.0	7.1	7.5	15.5	13.3	14.2	16.4	14.1	15.2	24.2	21.7	22.9
17	7.2	6.4	6.8	15.8	13.2	14.2	18.2	14.9	16.5	24.8	21.7	23.2
18	7.3	5.6	6.3	14.4	12.5	13.5	20.0	16.7	18.3	23.9	22.0	22.9
19	7.7	5.9	6.6	16.2	12.4	14.1	21.3	18.4	19.7	24.7	22.3	23.4
20	8.2	6.5	7.4	15.8	13.2	14.4	22.0	19.4	20.7	24.6	22.9	23.7
21	11.3	8.2	9.8	17.6	14.3	15.5	22.2	19.8	20.9	25.9	23.0	24.4
22	11.1	9.2	9.9	15.0	12.3	13.6	21.7	19.0	20.4	26.8	23.9	25.4
23	9.6	8.7	9.1	13.1	10.4	11.7	22.3	19.2	20.7	27.1	24.6	25.9
24	9.6	8.6	9.1	13.4	9.8	11.6	22.8	19.9	21.3	27.2	24.2	25.6
25	9.8	9.0	9.4	15.0	11.0	12.9	23.2	20.7	21.9	27.4	24.4	25.8
26	9.2	4.5	7.0	16.8	12.6	14.7	22.0	20.1	21.2	26.8	25.2	26.0
27	5.2	4.2	4.7	17.9	14.5	16.2	20.3	18.5	19.4	27.6	24.5	25.9
28	7.2	4.3	5.4	19.3	16.3	17.7	19.4	16.6	17.9	27.6	25.0	26.1
29	7.4	5.3	6.0	19.8	17.1	18.4	19.4	16.4	17.8	27.0	24.9	26.0
30	---	---	---	18.3	15.7	16.9	19.4	17.3	18.4	27.5	25.0	26.1
31	---	---	---	15.7	14.2	14.9	---	---	---	27.6	25.4	26.1
MONTH	11.3	2.9	6.5	19.8	6.1	13.6	23.2	10.5	17.0	27.6	16.6	23.1



## SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	9.0	8.6	8.7	10.0	9.7	9.8	11.5	11.0	11.2
2	---	---	---	8.8	8.3	8.6	10.2	9.7	10.0	11.8	11.3	11.6
3	---	---	---	8.6	8.1	8.4	10.4	10.0	10.2	---	---	---
4	---	---	---	---	---	---	10.4	10.3	10.4	---	---	---
5	---	---	---	---	---	---	10.4	10.3	10.4	11.2	10.6	10.9
6	---	---	---	---	---	---	10.7	10.3	10.4	---	---	---
7	8.4	8.2	8.2	---	---	---	10.8	10.4	10.5	---	---	---
8	8.3	8.1	8.3	7.8	7.4	7.5	11.0	10.4	10.6	12.4	12.1	12.3
9	8.2	8.1	8.2	8.8	7.8	8.4	11.0	10.4	10.7	12.5	12.3	12.4
10	8.2	8.0	8.1	9.4	8.7	9.2	10.7	10.2	10.4	12.9	12.4	12.6
11	8.1	8.0	8.1	9.8	9.3	9.5	10.4	10.1	10.2	13.3	12.6	13.0
12	8.2	8.0	8.1	9.6	9.0	9.4	10.4	10.0	10.2	13.2	12.3	12.8
13	8.1	7.8	8.0	9.2	8.9	9.1	10.8	10.4	10.6	12.5	11.9	12.2
14	7.8	7.6	7.8	10.0	9.2	9.8	10.8	10.7	10.8	12.2	11.8	12.0
15	8.3	7.7	8.1	10.3	9.9	10.1	11.5	10.5	10.9	11.8	11.2	11.4
16	8.8	8.3	8.6	10.3	9.8	10.0	11.1	10.8	11.0	11.7	11.2	11.5
17	9.0	8.6	8.8	9.8	9.2	9.6	11.0	10.6	10.8	11.9	11.6	11.7
18	8.9	8.6	8.8	9.4	8.7	9.1	11.0	10.7	10.8	11.6	10.8	11.3
19	9.1	8.7	8.8	---	---	---	11.1	10.8	10.9	11.3	10.7	11.0
20	9.0	8.6	8.8	---	---	---	11.3	10.9	11.1	11.8	11.0	11.5
21	8.8	8.2	8.6	---	---	---	11.8	11.2	11.5	12.4	11.8	12.2
22	8.5	8.2	8.3	---	---	---	11.9	11.6	11.8	12.7	12.2	12.4
23	8.8	8.2	8.5	---	---	---	12.3	11.5	11.8	12.4	12.1	12.2
24	9.1	8.6	8.8	---	---	---	12.0	11.1	11.6	12.3	11.6	12.1
25	9.2	8.8	9.0	---	---	---	11.6	11.0	11.3	11.9	11.4	11.6
26	8.8	8.4	8.7	9.5	9.1	9.3	12.0	11.5	11.8	12.9	11.9	12.5
27	8.4	8.0	8.2	9.3	9.1	9.2	12.1	11.7	11.9	13.1	12.8	12.9
28	8.1	8.0	8.0	9.1	8.7	8.9	11.9	11.1	11.6	13.2	12.8	13.0
29	8.4	8.0	8.2	9.5	8.8	9.2	---	---	---	13.2	12.7	13.0
30	8.9	8.2	8.6	10.0	9.5	9.8	---	---	---	12.7	11.9	12.4
31	9.3	8.7	8.9	---	---	---	---	---	---	12.4	11.8	12.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	6.8	6.4	6.6	6.4	6.2	6.3	7.2	6.8	7.0
2	---	---	---	6.6	6.3	6.5	7.2	6.2	6.4	7.4	7.0	7.2
3	---	---	---	6.6	6.3	6.5	6.9	6.2	6.4	7.6	7.2	7.4
4	7.4	6.9	7.1	6.8	6.4	6.6	6.8	6.1	6.4	7.7	7.4	7.5
5	7.3	7.0	7.1	6.9	6.4	6.6	6.6	6.0	6.2	7.8	7.4	7.6
6	7.4	7.0	7.2	6.6	6.2	6.4	6.8	6.2	6.5	7.7	7.3	7.5
7	7.3	6.9	7.1	6.8	6.1	6.3	7.3	6.5	6.9	7.5	7.0	7.3
8	7.2	6.9	7.0	6.5	6.3	6.3	7.4	6.8	7.1	7.2	6.5	6.7
9	7.3	6.9	7.0	6.6	6.3	6.4	7.3	6.8	7.0	6.5	6.1	6.3
10	7.0	6.6	6.9	6.4	6.3	6.3	7.2	6.8	7.0	6.5	6.0	6.3
11	6.8	6.5	6.7	6.4	6.3	6.3	7.1	6.5	6.8	6.9	5.4	6.4
12	6.7	6.2	6.5	6.5	6.3	6.4	6.8	6.5	6.7	7.0	6.8	6.9
13	6.6	6.2	6.4	6.5	6.2	6.4	7.0	6.5	6.7	---	---	---
14	6.7	6.4	6.6	6.5	6.2	6.4	7.1	6.5	6.8	---	---	---
15	6.9	6.5	6.7	6.5	6.3	6.4	7.3	6.9	7.2	---	---	---
16	6.6	6.2	6.4	6.7	6.4	6.6	7.4	7.0	7.2	---	---	---
17	6.4	6.2	6.3	6.8	6.5	6.7	7.2	6.8	7.0	6.9	6.5	6.7
18	6.3	6.0	6.2	6.7	6.4	6.6	7.0	6.7	6.8	---	---	---
19	6.4	6.1	6.2	6.4	6.2	6.3	7.0	6.6	6.8	---	---	---
20	6.6	6.2	6.4	6.6	6.4	6.5	7.5	6.6	7.1	---	---	---
21	6.9	6.4	6.6	6.7	6.4	6.6	7.6	7.1	7.3	---	---	---
22	6.6	6.0	6.4	6.6	6.3	6.4	7.6	7.1	7.4	---	---	---
23	6.6	6.4	6.5	6.4	6.2	6.3	7.9	7.3	7.6	---	---	---
24	6.6	6.4	6.5	6.6	6.2	6.4	7.8	7.3	7.5	---	---	---
25	6.6	6.4	6.5	6.6	6.3	6.4	7.8	7.3	7.6	---	---	---
26	6.9	6.5	6.6	6.8	6.2	6.5	7.7	6.9	7.4	---	---	---
27	7.4	6.5	7.0	6.7	6.3	6.6	7.6	6.4	7.1	---	---	---
28	7.4	6.9	7.0	6.6	6.4	6.5	7.9	7.2	7.5	---	---	---
29	7.1	6.7	6.9	6.5	6.4	6.4	7.6	6.6	7.0	---	---	---
30	6.8	6.7	6.8	6.6	6.2	6.4	---	---	---	---	---	---
31	---	---	---	6.3	6.2	6.3	---	---	---	---	---	---
MONTH	---	---	---	6.9	6.1	6.4	---	---	---	---	---	---