

02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1986 to current year.

pH: April 1986 to September 1989 (discontinued).

WATER TEMPERATURE: April 1986 to current year.

DISSOLVED OXYGEN: April 1986 to current year.

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

REMARKS.--Dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 59,100 microsiemens, May 4, 1995; minimum, 50 microsiemens, Feb. 10 - 12, 1996.

pH: Maximum, 8.5 units, Nov. 3, 1987; minimum, 5.0 units, Nov. 22, 1987.

WATER TEMPERATURE: Maximum, 34.0°C, Aug. 1, 1999; minimum, 2.0°C, Dec. 23 - 26, 28, 1989.

DISSOLVED OXYGEN: Maximum, 14.6 mg/L, Jan. 28, 1988; minimum, 0.6 mg/L, Sep. 16, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 51,500 microsiemens, July 2; minimum, 80 microsiemens, many days in Oct.

WATER TEMPERATURE: Maximum, 31.0°C, June 17-19, Aug. 9, 10; minimum, 3.5°C, Jan. 29-Feb. 1.

DISSOLVED OXYGEN: Maximum, 11.6 mg/L, Jan. 30-31; minimum, 1.3 mg/L, Oct. 11.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	100	80	88	100	80	90	12400	200	3330	17600	180	3880
2	100	80	88	110	90	95	19800	270	6880	9430	250	2630
3	90	80	85	100	90	92	19500	420	6270	11200	220	2910
4	90	80	85	110	90	98	12000	310	3770	10300	200	2500
5	90	80	87	120	90	102	14800	230	4430	4110	180	1330
6	100	80	89	130	100	107	22200	370	4760	21100	190	5660
7	90	80	89	280	100	129	18800	220	5670	16500	320	4220
8	90	80	90	1840	100	319	24400	400	7460	20800	220	4760
9	100	90	90	1460	100	227	22100	350	6290	19200	260	4690
10	100	90	92	930	90	172	22700	340	5870	19000	210	3570
11	100	90	96	1930	90	283	25200	210	6670	12400	170	2300
12	110	100	106	6510	100	999	21000	500	6990	10800	190	2730
13	120	110	112	7790	110	1480	16800	390	5390	12400	200	3630
14	110	110	110	5200	100	686	11100	310	4120	18200	170	3050
15	120	100	107	9360	100	1550	17400	390	5790	16600	290	5410
16	150	100	109	12500	140	2510	17200	670	7880	9160	160	1910
17	140	100	115	10300	140	2390	19500	790	8870	14800	160	4280
18	130	110	123	6240	150	2000	21000	760	9510	28800	340	8420
19	110	100	106	5690	130	1290	29300	720	11100	29600	290	7360
20	110	100	103	7710	140	2290	22600	300	4480	27900	290	5720
21	110	100	106	15400	210	4860	23800	190	4930	28200	190	5450
22	130	110	112	28700	320	8950	30100	260	6860	32900	250	8140
23	110	90	99	33500	380	11600	32600	290	8860	27000	330	5750
24	100	90	98	37900	630	13900	30300	310	6740	15800	240	3000
25	100	90	95	36400	560	12300	30700	230	6980	3020	140	440
26	100	90	91	32100	480	10200	21600	290	4840	200	130	153
27	90	90	90	21500	290	5450	22500	180	4100	390	130	160
28	90	80	90	24100	290	5720	12900	230	3700	270	110	135
29	90	80	89	16700	340	5760	9500	200	2250	150	110	125
30	90	80	87	7350	220	2840	10800	210	2980	190	110	128
31	90	80	86	---	---	---	8330	180	1980	140	110	118
MONTH	150	80	97	37900	80	3280	32600	180	5800	32900	110	3370

LITTLE RIVER BASIN

02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.5	22.0	22.0	18.0	17.0	17.5	14.5	13.0	13.5	10.0	9.0	9.5
2	22.0	21.5	22.0	18.5	17.5	18.0	13.0	12.0	13.0	10.5	9.5	10.0
3	22.5	21.5	22.0	18.0	16.5	17.5	13.0	12.0	12.5	11.0	10.0	10.5
4	22.5	22.0	22.0	17.0	16.0	16.5	13.0	12.0	12.5	12.5	11.0	12.0
5	22.0	22.0	22.0	16.5	15.5	16.0	13.0	12.5	13.0	12.5	11.5	12.0
6	22.0	21.5	21.5	16.0	15.0	15.5	14.0	13.0	13.5	12.0	11.0	11.5
7	22.0	21.0	21.5	16.0	15.0	15.5	13.5	12.5	13.0	12.0	11.0	11.5
8	21.0	20.5	20.5	16.0	15.0	15.5	13.0	12.5	13.0	12.0	10.5	11.0
9	22.0	20.5	21.0	16.5	15.0	15.5	13.5	12.0	13.0	11.5	10.5	11.0
10	22.5	21.0	22.0	17.0	15.5	16.0	14.0	12.5	13.0	12.0	11.5	11.5
11	22.5	22.0	22.0	17.5	16.0	16.5	14.0	12.5	13.0	12.5	11.5	12.0
12	22.0	21.5	22.0	17.5	16.0	16.5	13.5	12.0	13.0	12.5	11.5	12.0
13	21.5	21.0	21.5	17.5	16.0	16.5	14.0	13.0	13.5	13.0	11.5	12.0
14	22.0	21.0	21.5	17.0	16.0	16.5	15.0	13.5	14.0	12.5	11.0	11.5
15	21.5	20.5	21.0	17.0	16.0	16.5	14.5	13.5	14.0	11.0	10.5	10.5
16	21.0	20.5	21.0	16.5	15.0	16.0	14.0	13.0	13.5	10.5	10.0	10.5
17	21.5	21.0	21.0	15.5	14.0	15.0	13.5	12.5	13.0	10.5	10.0	10.0
18	22.0	21.0	21.5	15.0	14.0	14.5	13.0	12.5	12.5	10.0	8.5	9.5
19	21.5	21.0	21.5	15.0	14.0	14.5	12.5	12.5	12.5	9.0	8.0	9.0
20	21.5	21.0	21.0	16.0	15.0	15.5	12.5	12.5	12.5	9.5	8.5	9.0
21	21.0	19.5	20.0	17.0	16.0	16.5	13.0	12.5	12.5	9.0	8.0	8.5
22	20.0	19.0	19.5	18.0	16.5	17.0	13.0	12.0	12.5	8.0	7.5	8.0
23	19.5	18.0	19.0	18.5	17.0	18.0	12.5	12.0	12.0	8.0	7.5	7.5
24	18.0	17.5	18.0	19.0	17.0	18.0	12.0	11.5	11.5	7.5	7.0	7.5
25	17.5	16.5	17.0	19.0	17.5	18.0	11.5	10.0	10.5	7.0	6.0	6.0
26	17.0	16.0	16.5	19.0	17.5	18.0	10.0	9.0	9.5	6.0	5.5	5.5
27	16.5	15.5	16.0	18.5	17.0	17.5	9.5	8.5	9.0	5.5	4.5	5.0
28	16.5	15.5	16.0	17.5	16.5	17.0	9.5	8.5	9.0	5.0	4.0	4.5
29	16.5	15.5	16.0	17.0	16.0	16.5	9.0	8.5	8.5	4.0	3.5	3.5
30	17.0	16.0	16.0	16.0	14.5	15.0	9.5	8.0	9.0	4.0	3.5	3.5
31	17.5	16.5	17.0	---	---	---	9.5	9.0	9.0	4.5	3.5	4.0
MONTH	22.5	15.5	20.0	19.0	14.0	16.4	15.0	8.0	12.1	13.0	3.5	9.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.0	3.5	4.0	16.0	15.0	15.5	19.0	18.0	18.5	22.5	21.0	22.0
2	5.0	4.0	4.5	17.0	15.5	16.5	19.5	18.0	18.5	23.0	21.5	22.0
3	6.0	4.0	5.0	16.5	15.5	16.0	20.5	18.0	19.5	24.0	22.0	22.5
4	6.5	4.5	5.5	16.0	15.0	15.5	20.0	18.5	19.5	24.0	22.0	23.0
5	6.5	5.0	5.5	16.0	14.5	15.0	19.5	18.0	18.5	25.0	22.5	23.5
6	7.0	5.0	6.0	17.0	15.0	15.5	19.5	17.5	18.5	25.0	23.0	24.0
7	7.5	5.5	6.5	17.5	15.5	16.0	20.0	18.0	19.0	25.5	23.5	24.5
8	7.0	6.0	6.5	18.0	16.0	17.0	20.5	19.0	19.5	25.5	24.0	24.5
9	7.0	6.5	7.0	18.0	16.5	17.0	19.5	18.0	18.5	26.0	24.0	24.5
10	8.5	7.0	7.5	19.0	17.0	17.5	19.5	17.5	18.5	26.0	24.5	25.0
11	9.0	7.5	8.5	19.5	17.5	18.5	20.0	18.0	19.0	26.0	24.5	25.5
12	9.5	8.5	9.0	19.0	18.0	18.5	21.0	19.0	20.0	26.5	25.0	26.0
13	9.5	9.0	9.0	18.0	16.5	17.0	20.5	19.0	20.0	27.5	25.5	26.5
14	11.0	9.5	10.5	17.5	16.0	16.5	19.0	18.0	18.5	27.5	26.5	27.0
15	11.0	10.5	11.0	17.5	15.5	16.5	19.5	18.0	19.0	27.0	25.0	26.0
16	12.0	10.5	11.0	18.0	16.5	17.5	21.0	19.0	20.0	26.5	24.5	25.5
17	12.0	11.0	11.5	19.0	17.5	18.0	22.0	20.0	20.5	26.5	25.0	25.5
18	13.0	11.0	11.5	17.5	16.0	17.0	21.0	20.0	20.5	27.0	25.0	26.0
19	14.0	12.0	12.5	17.0	15.0	16.0	21.0	19.0	20.0	27.5	25.5	26.0
20	14.0	12.5	13.0	16.5	15.5	16.0	21.5	19.5	20.5	28.0	26.0	26.5
21	13.5	12.5	13.0	17.0	16.0	16.5	21.5	20.0	21.0	27.5	26.0	26.5
22	13.5	12.5	13.0	17.5	16.0	16.5	21.5	20.0	21.0	26.5	26.0	26.5
23	14.0	12.5	13.0	17.0	16.0	16.5	21.5	20.0	20.5	27.0	25.5	26.0
24	14.0	12.5	13.0	17.0	15.5	16.0	21.5	20.5	20.5	27.5	25.5	26.0
25	14.5	13.0	13.5	17.5	15.5	16.5	21.0	20.5	20.5	28.0	26.0	26.5
26	15.0	13.5	14.0	18.5	16.5	17.0	21.5	19.5	20.5	28.0	26.5	27.0
27	15.5	14.5	15.0	18.0	17.0	17.5	21.0	19.5	20.5	28.5	27.0	28.0
28	16.5	15.0	15.5	18.0	17.0	17.5	20.5	20.0	20.5	29.0	27.5	28.0
29	16.0	15.0	15.5	18.5	17.0	18.0	21.5	19.5	20.5	28.0	27.0	28.0
30	---	---	---	18.5	18.0	18.0	22.0	20.0	21.0	27.0	24.5	26.0
31	---	---	---	18.5	17.5	18.0	---	---	---	25.5	23.5	24.5
MONTH	16.5	3.5	10.0	19.5	14.5	16.8	22.0	17.5	19.8	29.0	21.0	25.5

LITTLE RIVER BASIN

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OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.1	2.3	2.7	4.4	3.4	3.9	7.8	7.0	7.4	9.4	8.9	9.2
2	3.0	1.6	2.6	4.8	4.0	4.4	8.1	7.1	7.7	9.4	9.1	9.3
3	2.8	2.1	2.6	4.8	3.8	4.4	8.1	7.4	7.7	9.4	9.0	9.2
4	2.6	1.8	2.4	4.7	4.1	4.5	8.1	7.4	7.7	9.4	9.1	9.3
5	2.7	1.9	2.4	4.4	3.8	4.1	8.0	7.3	7.6	9.5	9.0	9.3
6	2.9	2.1	2.6	4.3	3.6	4.1	8.2	7.2	7.7	9.3	8.4	9.0
7	3.0	2.3	2.6	4.9	3.6	4.4	8.1	7.3	7.8	9.3	8.4	9.0
8	3.3	2.3	2.9	5.6	4.2	4.9	8.3	7.5	7.9	9.3	8.3	9.0
9	3.3	2.4	2.8	5.8	4.8	5.3	8.3	7.7	7.8	9.3	8.5	9.0
10	2.9	1.8	2.3	5.4	4.6	5.1	8.2	7.7	7.9	9.2	8.4	9.0
11	2.4	1.3	2.0	5.4	4.5	5.1	8.4	7.6	8.0	9.1	8.5	8.9
12	2.8	1.7	2.3	5.8	5.0	5.5	8.5	7.9	8.2	9.0	8.6	8.8
13	2.9	1.6	2.5	5.8	5.2	5.5	8.4	7.7	8.0	9.0	8.5	8.8
14	2.5	1.7	2.1	5.8	5.1	5.4	8.1	7.5	7.8	9.2	8.6	9.1
15	2.8	1.9	2.4	5.8	4.8	5.4	7.8	7.4	7.7	9.1	8.8	9.0
16	3.3	2.2	2.8	5.9	5.0	5.6	7.9	7.6	7.8	9.3	8.9	9.2
17	4.2	2.2	3.5	6.0	5.1	5.6	8.0	7.5	7.8	9.3	8.9	9.2
18	4.7	3.4	4.0	5.9	5.1	5.7	8.3	7.5	7.9	9.4	8.6	9.2
19	4.4	3.6	4.1	6.2	5.1	5.7	8.8	7.5	8.3	9.5	8.6	9.3
20	4.3	3.3	3.7	6.2	5.4	5.8	8.8	8.4	8.6	9.8	8.8	9.5
21	4.1	3.2	3.6	6.5	5.4	6.1	8.8	8.2	8.5	9.9	9.1	9.7
22	4.0	3.1	3.6	7.0	6.0	6.4	8.7	8.1	8.4	9.8	9.0	9.6
23	3.9	3.0	3.5	7.3	6.3	6.8	8.6	7.5	8.2	10.1	9.4	9.9
24	3.9	3.0	3.5	7.6	6.5	6.9	8.5	7.7	8.3	10.6	9.7	10.2
25	3.8	2.8	3.4	7.3	6.5	6.9	8.7	8.1	8.6	10.8	10.3	10.7
26	3.7	3.0	3.3	7.2	6.5	6.8	9.0	8.4	8.8	10.9	10.6	10.7
27	3.7	2.8	3.3	7.2	6.4	6.8	9.2	8.8	9.0	10.9	10.6	10.8
28	4.0	2.8	3.5	7.2	6.5	6.8	9.1	8.8	9.0	11.0	10.8	10.9
29	4.2	3.2	3.7	7.1	6.6	6.9	9.2	8.9	9.1	11.3	10.8	11.1
30	4.2	3.3	3.8	7.4	6.7	7.1	9.2	9.0	9.1	11.6	11.2	11.4
31	4.2	3.4	3.8	---	---	---	9.3	9.0	9.2	11.6	11.4	11.4
MONTH	4.7	1.3	3.0	7.6	3.4	5.6	9.3	7.0	8.2	11.6	8.3	9.6
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.4	11.2	11.3	6.9	6.5	6.7	6.8	6.5	6.7	6.4	5.8	6.2
2	11.2	11.1	11.2	6.9	6.6	6.8	6.8	6.2	6.6	6.4	5.8	6.1
3	11.2	11.1	11.2	7.0	6.5	6.8	6.8	6.2	6.5	6.6	5.7	6.2
4	11.2	11.0	11.1	7.5	6.7	7.1	7.0	6.5	6.7	6.7	5.9	6.2
5	11.1	10.9	11.0	7.6	7.3	7.5	6.9	6.2	6.7	6.5	5.8	6.2
6	11.0	10.7	10.8	7.6	7.2	7.5	7.0	6.2	6.6	6.6	5.7	6.1
7	10.7	10.4	10.6	7.5	7.1	7.4	7.2	6.4	6.8	6.5	5.6	6.1
8	10.7	10.4	10.5	7.6	7.2	7.4	7.0	6.3	6.7	6.4	5.8	6.2
9	10.8	10.3	10.6	7.8	7.3	7.5	7.0	6.4	6.7	6.5	6.0	6.3
10	10.4	9.6	10.0	7.7	7.2	7.5	7.0	6.3	6.7	6.5	5.9	6.3
11	9.7	9.0	9.4	7.6	7.1	7.3	7.0	6.2	6.6	6.4	5.8	6.2
12	9.0	8.6	8.8	7.8	7.0	7.4	6.8	6.0	6.4	6.2	5.7	6.1
13	8.8	8.3	8.6	7.6	7.4	7.5	6.7	6.0	6.4	6.1	5.5	5.9
14	8.6	7.9	8.3	7.8	7.4	7.6	6.9	6.2	6.5	6.0	5.1	5.6
15	8.2	7.8	7.9	7.8	7.4	7.5	7.0	6.2	6.6	6.1	5.2	5.6
16	7.8	7.5	7.7	7.7	7.3	7.5	6.8	6.0	6.5	6.1	5.1	5.7
17	8.0	7.3	7.7	7.6	7.0	7.4	6.7	5.9	6.4	6.0	5.2	5.6
18	8.1	7.8	8.0	8.0	7.1	7.7	6.5	5.8	6.2	6.1	5.3	5.7
19	8.1	7.4	7.8	8.5	7.7	8.0	6.8	5.8	6.3	6.5	5.5	6.0
20	7.8	7.2	7.5	8.5	7.9	8.2	6.8	5.8	6.3	6.5	5.6	6.1
21	7.6	7.1	7.4	8.2	7.8	8.0	6.7	6.0	6.4	6.5	5.9	6.2
22	7.5	6.9	7.2	7.8	7.4	7.6	6.6	5.8	6.3	6.8	5.8	6.3
23	7.2	6.9	7.0	7.7	7.4	7.5	6.4	5.8	6.1	6.8	6.0	6.4
24	7.2	6.8	7.0	7.6	7.3	7.5	6.5	5.7	6.0	6.8	5.9	6.3
25	7.0	6.6	6.8	7.3	6.7	7.0	6.4	5.6	5.9	6.9	6.0	6.4
26	6.9	6.5	6.7	7.1	6.6	6.9	6.5	5.7	6.2	6.9	5.5	6.4
27	6.8	6.4	6.6	6.9	6.4	6.6	6.5	5.6	6.1	6.7	6.0	6.3
28	6.8	6.3	6.6	7.2	6.3	6.7	6.4	5.7	6.0	6.7	5.9	6.2
29	6.9	6.4	6.6	7.0	6.5	6.8	6.5	5.7	6.2	6.5	5.7	6.0
30	---	---	---	6.8	6.2	6.5	6.5	5.9	6.3	7.2	5.5	6.2
31	---	---	---	6.7	6.2	6.5	---	---	---	7.6	6.0	6.8
MONTH	11.4	6.3	8.7	8.5	6.2	7.3	7.2	5.6	6.4	7.6	5.1	6.1

