

02176711 MAY RIVER NEAR PRITCHARDVILLE, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2002 to June 2004 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2002 to June 2004 (discontinued).

WATER TEMPERATURE: June 2002 to June 2004 (discontinued).

DISSOLVED OXYGEN: June 2002 to June 2004 (discontinued).

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

REMARKS.--Specific conductance records rated good except for Mar. 2, which is fair. Temperature records rated excellent except for Feb. 29 to Mar. 2, which are good. Dissolved oxygen records rated excellent except for Nov. 11, 12, 20, Jan. 7-15, 22-25, Mar. 12-17, Apr. 6, 7, 18-20, May 7-12, 16, June 7, 8, 13, which are good, Nov. 13-16, 21,22, Jan. 26-30, Mar. 18, Apr. 8-11, 21-23, May 17-19, June 9, 14, 15, which are fair, and Nov. 17, 23-30, Jan. 31 to Feb. 12, Apr. 12, 13, May 20, June 16-24, which are poor. Dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 53,700 microsiemens, June 16, 2002; minimum, 2,170 microsiemens, Apr. 10, 2003.

WATER TEMPERATURE: Maximum, 34.2°C, July 29, 2002; minimum, 3.7°C, Jan. 24, 2003.

DISSOLVED OXYGEN: Maximum, 12.2 mg/L, Jan. 25, 2003; minimum, 2.3 mg/L, Sep. 29, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 47,700 microsiemens, Apr. 11, June 4; minimum, 16,000 microsiemens, Feb. 15.

WATER TEMPERATURE: Maximum, 33.0°C, June 20; minimum, 6.5°C, Jan. 29.

DISSOLVED OXYGEN: Maximum, 12.0 mg/L, Feb. 1, 2; minimum, 3.4 mg/L, June 22.

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	43400	41600	42200	---	---	---	45600	44300	45000	45200	43700	44400
2	43600	41900	42500	---	---	---	45600	44000	45000	45300	43600	44500
3	44000	42400	43000	---	---	---	45700	43500	45000	45400	43400	44500
4	44000	42600	43100	44500	41800	43100	45700	42800	44700	45400	43400	44400
5	44000	42600	43100	44400	41900	43200	45300	42700	44100	45300	42600	44200
6	44800	42600	43600	---	---	---	45000	41800	43900	45400	43200	44400
7	45000	43300	43900	---	---	---	45400	42600	44200	45500	43500	44600
8	45000	43300	44000	44700	42600	43600	45500	43300	44400	45500	43800	44600
9	---	---	---	45000	43300	44200	45400	43600	44400	45000	42900	44100
10	---	---	---	45600	44000	44600	45400	43500	44300	44500	41900	43400
11	---	---	---	45800	44000	44700	45000	42300	43800	44500	42200	43400
12	45300	43100	44100	45500	43900	44600	45200	42900	44000	44200	41800	43200
13	45300	43400	44200	45100	43800	44500	45300	43200	44200	44200	41900	43100
14	44800	43500	44100	45700	44300	44900	45100	42500	43800	44300	42200	43200
15	---	---	---	45800	44400	45000	44800	40400	43100	44100	41900	43000
16	---	---	---	45800	44400	45000	44800	41300	43100	44300	41800	43300
17	---	---	---	46000	44300	44900	44600	37500	41700	44500	42600	43500
18	---	---	---	45700	44300	45000	43600	38400	41600	44500	42100	43400
19	---	---	---	45800	41600	44400	43900	39100	41700	44400	42100	43400
20	---	---	---	45700	41600	44300	44500	39100	42400	44600	42500	43700
21	---	---	---	46100	43200	44700	45100	40700	43300	44800	43000	43900
22	---	---	---	46000	43600	44900	45400	41900	43700	44700	43200	44000
23	46500	44700	45600	46100	44100	45000	45600	42600	44100	44800	43200	44000
24	46700	45200	45900	45900	44100	45000	45400	42900	44100	44800	43500	44200
25	46900	45400	46100	46000	44200	45200	45100	43000	44000	44800	43600	44200
26	46900	45400	46200	46100	44700	45400	45000	43300	44000	44800	42400	43900
27	46900	45600	46200	45800	44800	45200	45100	43500	44200	44100	34600	41400
28	46900	35000	45000	45600	43900	44900	45200	43800	44400	43200	27300	38100
29	45200	34100	41200	45500	44200	44900	45200	44000	44500	42900	31600	38200
30	---	---	---	45700	44500	45100	45000	43500	44300	42700	32700	37700
31	---	---	---	---	---	---	45000	43800	44400	42200	35100	38300
MONTH	---	---	---	---	---	---	45700	37500	43900	45500	27300	43000



BROAD RIVER BASIN

02176711 MAY RIVER NEAR PRITCHARDVILLE, SC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.4	21.8	23.5	---	---	---	13.5	10.8	12.4	11.0	9.6	10.5
2	24.2	22.2	23.4	---	---	---	13.2	11.2	12.2	11.1	9.7	10.5
3	23.5	21.2	22.7	---	---	---	12.6	10.7	11.7	12.5	10.7	11.4
4	23.6	21.3	22.8	23.2	21.6	22.3	12.4	11.4	11.9	14.5	12.0	13.0
5	24.2	22.5	23.4	24.2	22.8	23.5	12.5	11.8	12.1	16.2	13.4	14.8
6	24.4	23.0	23.7	---	---	---	12.1	10.9	11.5	16.4	13.5	15.0
7	24.0	23.4	23.7	---	---	---	11.6	10.4	11.0	13.5	10.9	12.3
8	24.5	23.3	23.8	24.9	23.2	24.3	11.4	10.1	10.7	11.4	10.1	10.7
9	24.3	23.5	23.8	23.2	20.2	21.7	11.6	10.1	10.9	11.2	10.3	10.6
10	24.6	23.3	23.8	20.2	18.7	19.4	12.6	11.1	11.9	10.4	9.3	9.8
11	24.0	23.4	23.7	19.7	18.0	19.0	12.1	10.9	11.5	9.5	7.9	8.7
12	24.6	23.2	23.8	20.5	18.6	19.6	11.4	10.3	11.0	9.2	7.2	8.4
13	25.1	23.3	24.1	20.5	19.0	19.8	11.6	10.5	11.1	9.6	7.8	8.8
14	25.6	24.2	24.8	19.0	17.3	17.9	11.6	10.8	11.3	10.3	8.3	9.4
15	---	---	---	17.7	15.6	16.9	11.1	9.6	10.5	11.3	9.4	10.3
16	---	---	---	18.1	15.8	17.2	11.1	9.3	10.5	10.8	9.6	10.3
17	---	---	---	19.1	16.8	18.1	11.2	10.1	10.8	10.6	9.3	10.1
18	---	---	---	20.1	18.3	19.2	10.2	8.4	9.6	12.9	10.6	11.6
19	---	---	---	20.2	19.0	20.0	9.7	8.3	9.1	12.9	11.3	12.0
20	---	---	---	19.3	17.8	18.7	8.9	7.3	8.2	11.3	10.2	10.9
21	---	---	---	18.9	17.3	18.1	8.4	6.9	7.6	10.7	9.6	10.1
22	---	---	---	18.7	17.4	18.0	8.8	7.0	7.9	10.6	9.3	10.0
23	21.9	20.7	21.4	18.9	17.2	18.1	10.0	8.0	9.0	10.4	9.2	9.8
24	22.1	20.5	21.3	19.1	17.9	18.6	12.1	9.9	10.7	10.7	8.6	9.7
25	22.3	20.8	21.5	18.6	17.2	17.7	11.0	9.9	10.4	10.6	10.3	10.4
26	23.5	21.7	22.4	17.7	16.1	17.1	10.1	8.8	9.6	10.3	9.9	10.1
27	23.1	22.4	22.7	18.3	16.4	17.5	9.9	8.3	9.2	10.0	9.0	9.3
28	22.6	21.5	22.2	18.6	16.9	17.9	9.9	8.0	9.2	9.1	6.9	8.1
29	22.3	20.3	21.6	16.9	13.1	14.6	9.9	8.7	9.5	8.4	6.5	7.8
30	21.9	20.1	21.2	14.5	11.3	12.9	11.6	9.8	10.6	8.7	7.0	7.9
31	---	---	---	---	---	---	11.5	9.9	10.8	9.1	7.7	8.4
MONTH	---	---	---	---	---	---	13.5	6.9	10.5	16.4	6.5	10.3

Temperature, water, degrees Celsius												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	9.0	8.0	8.3	13.6	11.2	12.1	18.9	16.8	17.9	24.6	23.5	24.0
2	9.1	7.6	8.1	15.9	12.3	13.8	18.0	16.2	17.3	25.2	23.9	24.4
3	10.4	8.7	9.6	17.5	13.9	15.6	18.7	16.5	17.5	25.3	23.6	24.3
4	10.6	9.1	9.9	18.7	15.2	17.2	19.2	17.1	18.0	24.5	22.5	23.3
5	10.8	9.5	10.2	20.1	16.6	18.5	19.5	16.8	18.0	25.2	22.0	23.4
6	13.7	10.6	12.0	20.3	17.6	19.1	20.2	17.2	18.4	27.0	23.0	24.5
7	14.9	12.5	13.6	20.6	17.7	19.0	20.3	17.9	18.9	28.3	24.4	25.9
8	12.5	10.4	11.6	18.8	17.0	17.7	20.8	18.8	19.5	29.2	25.5	26.9
9	11.4	10.5	10.9	17.0	15.6	16.0	21.9	19.1	20.3	28.9	26.0	27.2
10	11.5	10.6	11.1	15.9	14.4	15.2	23.2	19.7	21.2	28.4	25.4	27.0
11	12.1	11.2	11.5	16.2	13.2	14.9	24.1	21.2	22.5	27.5	26.1	26.6
12	11.6	11.1	11.3	17.0	13.8	15.4	24.4	22.3	23.2	27.0	25.4	26.4
13	12.2	10.3	11.3	17.0	14.5	15.7	23.7	22.0	23.0	27.0	25.6	26.4
14	11.9	11.0	11.4	18.2	15.1	16.5	22.1	17.7	19.3	27.7	25.7	26.7
15	12.0	10.7	11.2	19.5	16.7	18.0	19.6	17.3	18.6	28.0	26.2	27.1
16	11.6	10.4	11.0	19.4	18.0	18.9	20.6	18.2	19.4	27.6	26.3	27.0
17	10.9	9.1	10.2	19.3	17.9	18.6	21.9	19.4	20.5	28.4	26.4	27.2
18	10.5	8.7	9.6	19.2	17.5	18.3	23.4	20.4	21.7	27.8	26.6	27.2
19	11.8	9.5	10.4	20.6	17.7	19.0	24.5	21.2	22.6	28.0	26.4	27.1
20	13.2	10.3	11.5	20.7	18.6	19.6	25.0	22.0	23.2	29.3	26.5	27.7
21	15.4	11.8	13.2	21.7	18.9	19.9	25.6	22.7	23.8	30.6	27.1	28.5
22	15.1	12.4	13.6	19.4	17.3	18.2	26.6	23.0	24.4	31.0	27.7	29.0
23	14.7	12.8	13.6	18.0	15.9	16.9	26.4	24.0	25.0	31.3	28.3	29.4
24	15.0	13.5	14.2	18.4	15.4	16.8	27.9	24.2	25.5	31.4	28.6	29.7
25	14.4	12.5	13.6	19.6	16.5	17.8	27.2	24.9	25.8	31.7	28.6	29.8
26	12.5	10.4	11.2	20.8	17.5	18.8	26.7	24.9	25.7	31.3	28.8	29.9
27	10.8	8.9	9.7	22.2	18.6	19.9	26.2	24.4	25.2	31.0	28.4	29.7
28	10.8	7.9	9.4	22.8	19.8	20.8	25.0	22.9	24.1	30.6	28.2	29.6
29	12.3	9.2	10.6	21.8	19.9	20.7	24.4	22.6	23.7	30.1	28.6	29.5
30	---	---	---	21.0	19.2	19.7	24.3	23.0	23.7	30.5	28.5	29.6
31	---	---	---	19.6	18.3	19.1	---	---	---	30.2	28.8	29.5
MONTH	15.4	7.6	11.2	22.8	11.2	17.7	27.9	16.2	21.6	31.7	22.0	27.2



02176711 MAY RIVER NEAR PRITCHARDVILLE, 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	7.6	5.8	6.8	---	---	---	---	---	---	11.0	10.0	10.5
2	7.3	5.7	6.7	---	---	---	---	---	---	10.7	9.7	10.3
3	7.4	5.8	6.6	---	---	---	---	---	---	10.5	9.2	10.0
4	7.1	5.6	6.4	6.4	4.7	5.6	9.5	8.2	8.9	10.2	8.7	9.6
5	6.9	5.3	6.1	6.6	4.5	5.5	9.2	8.1	8.6	9.8	8.2	9.1
6	6.9	5.3	6.0	---	---	---	9.5	8.0	8.8	9.7	7.8	8.8
7	6.1	4.9	5.5	---	---	---	9.7	8.4	9.1	10.1	8.4	9.5
8	6.4	4.7	5.6	5.6	4.6	5.1	10.0	8.7	9.3	10.3	9.4	9.9
9	6.1	4.8	5.5	6.5	4.6	5.7	9.8	8.9	9.4	10.2	9.6	9.8
10	6.6	4.6	5.6	7.5	6.0	6.8	9.6	9.0	9.2	10.4	9.3	10.0
11	6.2	5.0	5.6	8.0	6.6	7.2	10.0	8.6	9.3	11.1	10.0	10.5
12	6.6	4.8	5.8	8.0	6.7	7.4	10.3	9.1	9.8	11.5	10.6	11.0
13	6.7	5.2	6.0	8.2	6.6	7.5	10.6	9.4	10.0	11.6	10.7	11.1
14	6.3	5.1	5.9	8.7	7.2	7.9	10.1	9.2	9.5	11.4	10.5	11.0
15	---	---	---	9.1	7.6	8.2	10.5	8.9	9.7	11.3	10.1	10.8
16	---	---	---	8.9	7.6	8.2	10.9	9.5	10.1	11.1	10.0	10.7
17	---	---	---	8.4	7.4	7.9	10.6	9.3	10.1	10.9	9.9	10.5
18	---	---	---	8.0	5.3	7.1	10.9	9.8	10.4	10.7	9.1	10.1
19	---	---	---	7.4	4.6	6.1	11.0	9.9	10.5	10.3	9.0	9.7
20	---	---	---	7.6	4.5	6.2	11.2	9.9	10.7	10.6	9.0	10.0
21	---	---	---	7.4	4.8	6.3	11.3	10.4	10.9	10.8	9.6	10.3
22	---	---	---	7.6	5.1	6.5	11.3	10.4	10.9	11.0	10.0	10.6
23	7.4	5.8	6.7	7.7	5.4	6.6	11.1	10.2	10.8	11.2	10.1	10.8
24	7.3	5.8	6.6	8.0	5.3	6.8	10.7	9.7	10.4	11.4	10.4	11.0
25	7.2	5.8	6.6	8.4	5.1	7.1	11.0	9.4	10.3	11.1	10.2	10.7
26	7.0	5.5	6.3	8.8	5.6	7.3	11.2	10.0	10.7	11.0	9.9	10.5
27	6.7	5.1	5.8	9.2	6.0	7.5	11.3	10.3	10.8	10.9	10.1	10.5
28	6.2	4.6	5.3	8.9	5.6	7.5	11.3	10.5	10.9	11.6	10.0	10.8
29	6.7	4.9	5.8	9.8	6.7	8.0	11.2	10.3	10.7	11.8	10.6	11.3
30	7.1	5.3	6.0	---	---	---	10.9	9.9	10.5	11.9	10.7	11.4
31	---	---	---	---	---	---	10.9	9.8	10.4	11.9	10.8	11.5
MONTH	---	---	---	---	---	---	---	---	---	11.9	7.8	10.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.0	11.0	11.5	---	---	---	8.2	7.1	7.6	6.6	4.8	5.7
2	12.0	10.9	11.5	---	---	---	8.3	7.3	7.8	6.7	4.6	5.6
3	11.7	10.2	11.1	10.3	8.5	9.6	8.4	7.3	7.8	7.4	4.4	5.8
4	11.7	9.9	10.9	9.9	8.0	9.0	8.4	7.0	7.8	8.2	5.1	6.8
5	11.6	10.0	10.9	9.3	6.6	7.9	8.4	7.2	7.9	8.8	5.6	7.1
6	11.2	9.7	10.5	8.7	6.8	7.8	8.5	7.1	8.0	8.3	4.8	6.8
7	10.9	8.5	9.9	8.7	6.3	7.9	8.4	7.0	7.9	8.2	4.4	6.7
8	11.2	9.0	10.3	9.0	6.8	8.2	8.4	6.8	7.7	7.5	4.3	6.4
9	11.3	9.8	10.6	9.2	7.5	8.5	8.3	6.6	7.7	7.3	4.2	6.0
10	11.2	9.6	10.5	9.2	6.9	8.0	8.5	6.7	7.8	7.2	4.2	5.7
11	11.2	9.3	10.3	9.6	6.7	8.2	8.4	6.6	7.7	7.2	3.5	5.3
12	11.0	9.3	10.1	9.5	6.9	8.4	8.1	6.2	7.3	6.7	3.9	5.3
13	10.9	9.2	10.3	9.6	6.8	8.4	7.8	5.8	7.0	7.7	4.6	5.9
14	10.8	9.4	10.1	9.3	6.4	8.1	8.7	6.8	7.6	8.6	5.6	6.6
15	10.5	8.8	9.8	---	---	---	8.9	7.5	8.2	8.4	6.0	6.9
16	10.8	9.3	10.1	8.8	7.0	7.9	9.0	7.6	8.2	7.8	5.6	6.5
17	10.8	9.5	10.2	8.8	7.0	7.9	8.9	7.3	8.1	8.0	5.3	6.6
18	11.2	9.6	10.6	8.9	7.1	8.0	8.7	7.0	8.0	7.6	5.1	6.4
19	11.2	9.9	10.8	8.8	6.8	8.2	8.5	6.7	7.8	7.3	5.2	6.3
20	11.0	9.6	10.6	8.5	7.1	8.0	8.3	6.5	7.5	---	---	---
21	---	---	---	8.6	6.9	7.9	8.1	6.1	7.3	---	---	---
22	---	---	---	9.0	7.2	8.3	8.0	5.8	7.1	---	---	---
23	---	---	---	9.5	7.8	8.6	7.9	6.0	7.1	---	---	---
24	---	---	---	9.6	8.1	8.9	8.1	5.7	7.1	---	---	---
25	---	---	---	9.4	7.8	8.8	7.7	5.7	6.9	---	---	---
26	---	---	---	9.2	7.8	8.5	7.4	5.3	6.5	---	---	---
27	---	---	---	8.9	7.5	8.3	7.7	5.1	6.6	---	---	---
28	---	---	---	8.8	7.3	8.2	8.2	5.8	7.2	---	---	---
29	---	---	---	8.5	7.1	7.9	7.8	6.2	7.1	---	---	---
30	---	---	---	8.6	7.1	7.7	7.6	5.6	6.7	---	---	---
31	---	---	---	7.8	6.7	7.4	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	9.0	5.1	7.5	---	---	---

