

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

pH: February 1981 to September 1993 (discontinued).

WATER TEMPERATURE: February 1981 to current year.

DISSOLVED OXYGEN: February 1981 to September 1993 (discontinued).

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

REMARKS.--Specific conductance records rated excellent except for Jan. 20-24, Feb. 22, which are good. Temperature records are rated excellent.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 609 microsiemens, Oct. 21, 1991; minimum, 43 microsiemens Sep. 7, 1987.

pH: Maximum, 8.4 units, Oct. 4, 10, 1987, Mar. 8, 1988; minimum, 5.3 units Sept. 7-8, 1986, May 7, 1987.

WATER TEMPERATURE: Maximum, 33.0°C, Jul. 20, 1986; minimum, 1.5°C, Dec. 26, 1989.

DISSOLVED OXYGEN: Maximum, 13.0 mg/L, Jan. 17, 1990; minimum, 0.0 mg/L, Sep. 23-Oct. 5, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 304 microsiemens, Sep. 19; minimum, 78 microsiemens, July 4.

WATER TEMPERATURE: Maximum, 31.9°C, Aug. 21; minimum, 6.0°C, Jan. 29, 31.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	143	99	116	107	87	96	90	82	86	99	92	95
2	111	98	105	105	86	93	90	83	85	103	91	96
3	109	97	104	104	86	92	88	83	85	97	91	93
4	111	98	102	103	85	91	86	83	84	100	91	95
5	105	98	102	108	87	95	84	82	83	96	91	93
6	108	99	104	95	85	89	89	83	86	105	91	96
7	108	97	103	88	83	85	94	83	87	124	92	104
8	107	97	100	100	84	90	99	87	91	152	94	113
9	106	97	102	100	85	92	114	87	98	182	96	127
10	114	98	103	110	85	95	156	88	111	165	104	128
11	114	99	106	177	88	115	163	91	111	145	101	122
12	123	98	109	218	89	126	132	90	107	211	100	132
13	153	96	115	209	96	127	140	90	103	166	104	128
14	118	92	102	215	92	128	136	86	102	121	95	107
15	127	92	102	166	86	117	123	84	97	119	94	104
16	107	92	98	159	84	108	127	84	96	108	96	101
17	119	91	101	132	83	101	144	88	108	101	94	96
18	124	92	103	134	83	100	123	91	104	101	94	97
19	103	89	95	149	88	106	109	88	98	106	95	100
20	113	90	98	129	87	102	97	85	92	144	97	112
21	144	91	105	100	86	94	122	87	100	167	99	120
22	157	92	112	106	85	94	103	89	96	139	101	118
23	145	94	114	122	88	102	133	89	102	119	94	105
24	142	94	113	136	90	106	120	92	101	102	93	98
25	123	94	110	112	91	101	120	90	104	110	96	101
26	149	96	113	112	87	96	117	90	102	125	98	110
27	140	96	111	101	85	93	112	89	99	140	95	112
28	151	95	112	93	85	90	98	89	93	118	94	106
29	132	90	104	93	83	88	97	90	93	107	94	101
30	121	89	98	97	82	87	99	91	94	114	98	104
31	103	89	96	---	---	---	103	92	96	103	92	97
MONTH	157	89	105	218	82	100	163	82	97	211	91	107



COOPER RIVER BASIN

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC--Continued

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	24.4	24.9	22.0	21.2	21.6	15.2	14.9	15.0	9.0	8.3	8.7			
2	25.1	24.6	24.9	22.0	21.5	21.8	15.0	14.3	14.7	9.5	8.7	9.1			
3	25.3	24.6	24.9	22.1	21.4	21.8	14.7	14.0	14.4	9.6	8.9	9.2			
4	25.0	24.5	24.7	22.3	21.2	21.7	14.2	13.8	14.1	10.0	9.2	9.7			
5	24.8	24.0	24.4	21.7	20.9	21.3	14.1	13.7	13.8	10.5	9.5	10.0			
6	24.6	23.9	24.2	20.9	19.8	20.2	14.2	13.6	13.9	11.1	10.0	10.6			
7	24.1	23.2	23.6	20.0	19.5	19.7	15.1	14.0	14.5	11.9	10.8	11.3			
8	23.2	22.8	23.0	19.8	19.2	19.5	15.7	14.9	15.2	12.6	10.6	11.7			
9	23.1	22.7	22.9	19.4	18.5	19.0	16.4	15.3	15.8	12.8	11.2	12.2			
10	23.4	22.8	23.1	18.5	17.7	18.0	17.0	16.1	16.5	13.1	11.6	12.4			
11	23.6	22.9	23.3	18.0	17.3	17.7	16.6	15.2	16.0	12.8	11.5	12.4			
12	23.9	23.1	23.5	18.4	17.8	18.1	15.2	14.1	14.7	12.7	11.3	12.2			
13	24.1	23.3	23.6	18.4	17.6	18.0	14.4	13.5	13.9	13.3	11.8	12.5			
14	23.4	22.7	23.1	17.6	16.2	16.8	13.6	12.4	13.1	14.3	12.3	13.0			
15	22.9	22.1	22.6	16.2	15.2	15.7	12.4	10.9	11.5	13.1	10.4	11.5			
16	22.1	20.9	21.6	15.8	14.5	15.4	11.1	10.1	10.7	10.7	9.3	9.7			
17	21.8	20.8	21.4	15.7	14.8	15.4	11.1	10.4	10.8	9.8	8.6	9.2			
18	21.9	21.1	21.6	15.7	14.8	15.4	11.3	10.7	10.9	9.1	8.0	8.6			
19	22.1	21.5	21.8	16.1	15.5	15.8	11.1	10.3	10.9	8.0	7.5	7.8			
20	22.5	21.9	22.2	16.5	15.8	16.2	10.3	8.8	9.6	8.0	7.2	7.6			
21	22.4	22.0	22.2	16.7	16.2	16.5	9.4	8.6	9.0	8.9	7.6	8.2			
22	22.2	21.4	21.7	17.0	16.5	16.7	9.7	8.6	9.2	9.5	8.3	8.9			
23	21.4	20.7	21.0	17.4	16.7	17.0	11.3	9.6	10.3	9.3	7.7	8.6			
24	20.7	20.3	20.4	17.7	16.7	17.3	10.8	10.2	10.6	7.7	6.8	7.3			
25	20.6	20.2	20.4	17.5	16.8	17.3	10.2	8.9	9.6	7.6	6.7	7.1			
26	20.5	19.9	20.3	16.8	15.4	16.2	8.9	7.6	8.2	8.5	7.1	7.7			
27	20.5	19.9	20.3	15.4	14.5	14.9	7.6	6.8	7.3	8.7	8.1	8.4			
28	20.4	20.1	20.3	15.2	14.7	14.9	7.6	6.6	7.2	8.4	6.6	7.5			
29	20.4	20.0	20.3	15.1	14.3	14.8	8.0	6.8	7.5	6.6	6.0	6.3			
30	21.0	20.0	20.5	15.1	14.4	14.8	8.3	7.3	7.9	6.4	6.1	6.2			
31	21.6	20.7	21.1	---	---	---	8.5	7.9	8.3	6.8	6.0	6.5			
MONTH	25.5	19.9	22.4	22.3	14.3	17.6	17.0	6.6	11.8	14.3	6.0	9.4			

DAY	MAX	MIN	MEAN	FEBRUARY			MARCH			APRIL			MAY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.7	6.8	11.1	10.4	10.7	17.1	15.5	16.2	19.9	18.8	19.5			
2	6.9	6.6	6.7	10.6	9.6	10.0	17.0	15.1	16.4	20.7	19.2	19.9			
3	6.9	6.6	6.8	9.8	9.5	9.7	16.3	14.5	15.2	20.8	19.3	20.0			
4	7.3	6.4	6.8	10.4	9.6	10.0	16.5	14.8	15.4	21.1	19.5	20.2			
5	7.9	6.8	7.2	11.1	10.1	10.5	17.6	15.4	16.3	20.3	18.8	19.7			
6	8.5	7.1	7.7	11.7	10.4	10.9	18.3	16.2	17.1	19.2	17.8	18.6			
7	9.2	7.5	8.3	12.6	10.9	11.5	17.9	16.8	17.5	19.7	17.9	18.7			
8	9.7	8.0	8.8	13.0	11.6	12.2	18.4	16.8	17.7	20.7	18.9	19.7			
9	9.6	8.8	9.2	12.3	11.2	11.8	18.0	16.9	17.6	21.7	20.0	20.7			
10	10.0	9.0	9.5	12.1	10.5	11.3	18.7	16.5	17.4	22.3	21.1	21.6			
11	9.4	8.3	8.9	11.8	11.0	11.4	19.2	16.9	17.7	22.7	20.9	21.9			
12	9.1	8.2	8.6	12.1	10.4	11.2	19.2	17.7	18.2	22.8	21.3	22.0			
13	9.2	8.4	8.9	13.3	11.3	12.1	19.4	18.0	18.5	22.6	21.0	22.2			
14	9.8	9.0	9.3	13.3	12.6	13.0	18.7	16.8	17.4	22.1	21.0	21.8			
15	10.0	9.2	9.7	13.1	12.2	12.8	17.2	15.9	16.3	21.8	20.5	21.2			
16	10.7	9.4	10.1	12.9	12.0	12.4	16.3	15.4	15.9	22.0	21.0	21.6			
17	11.0	10.2	10.6	12.0	10.6	11.2	16.7	15.5	16.1	22.3	21.4	22.0			
18	10.5	9.6	10.1	10.8	10.2	10.4	17.5	16.1	16.7	22.7	21.3	22.0			
19	10.7	9.6	10.1	11.3	10.3	10.8	18.5	16.9	17.5	23.2	21.3	22.3			
20	10.8	10.0	10.3	12.8	10.9	11.7	19.2	17.4	18.2	23.0	21.7	22.3			
21	11.7	10.4	10.9	13.4	12.2	12.7	20.0	18.1	18.9	21.9	20.7	21.4			
22	13.4	11.0	12.0	13.6	12.6	13.1	20.6	18.4	19.4	22.0	20.3	21.2			
23	13.8	12.2	12.8	15.4	13.1	14.0	20.2	18.6	19.5	22.9	21.1	22.0			
24	13.4	11.7	13.0	16.3	13.3	14.7	19.0	17.3	18.2	23.8	22.2	22.9			
25	12.7	10.6	11.6	15.4	14.0	14.7	18.0	16.7	17.4	23.1	22.2	22.6			
26	11.3	10.1	10.7	16.2	14.2	15.1	17.6	17.2	17.4	23.1	21.9	22.5			
27	11.2	10.5	10.9	15.9	15.0	15.5	18.9	17.4	18.0	23.4	22.5	23.0			
28	11.2	10.4	10.7	16.9	14.8	15.9	18.8	17.8	18.3	23.9	23.0	23.5			
29	---	---	---	17.2	14.4	15.6	19.2	18.5	18.8	24.4	23.6	24.1			
30	---	---	---	17.3	15.1	15.9	19.8	18.5	19.0	24.2	23.5	23.8			
31	---	---	---	17.2	15.7	16.4	---	---	---	23.5	22.8	23.2			
MONTH	13.8	6.4	9.5	17.3	9.5	12.6	20.6	14.5	17.5	24.4	17.8	21.6			

