

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

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, 299 microsiemens, Aug. 30; minimum, 72 microsiemens, Sep. 25.

WATER TEMPERATURE: Maximum, 31.5°C, July 20; minimum, 4.5°C, Jan. 28-31.

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	146	97	116	124	108	112	140	117	126	123	118	120
2	128	102	115	123	110	116	121	115	118	145	120	128
3	119	106	113	116	111	113	122	116	119	168	124	139
4	121	107	112	112	110	111	123	117	120	---	---	---
5	122	111	115	111	110	110	134	118	124	---	---	---
6	126	113	118	112	110	111	136	119	125	---	---	---
7	130	113	121	113	110	111	124	116	121	---	---	---
8	144	114	124	114	110	112	118	115	117	---	---	---
9	141	116	125	128	112	116	120	115	117	---	---	---
10	125	114	121	124	112	115	122	115	118	---	---	---
11	123	111	119	115	111	113	127	116	119	---	---	---
12	135	111	119	122	112	115	126	116	119	121	119	120
13	137	117	127	119	112	115	133	118	122	121	118	120
14	130	114	121	120	114	116	124	116	119	121	119	120
15	136	111	122	125	113	117	121	115	117	121	120	121
16	131	111	121	126	116	121	119	115	117	123	121	122
17	130	107	115	123	113	119	118	115	117	132	122	125
18	111	97	107	120	115	117	124	117	119	187	124	148
19	105	92	99	120	109	114	167	118	134	159	128	141
20	104	91	97	127	108	116	136	120	128	180	127	142
21	100	87	96	151	117	127	131	118	124	152	129	140
22	101	93	97	210	123	149	134	116	121	205	128	158
23	102	95	97	218	122	152	132	115	122	214	142	167
24	103	97	99	283	120	175	131	116	120	158	138	150
25	104	99	101	229	126	163	127	116	120	150	125	134
26	106	101	104	254	132	175	123	116	118	130	104	118
27	116	103	106	173	119	136	120	116	117	119	96	109
28	120	105	109	146	118	128	120	116	117	120	94	111
29	115	107	109	154	120	130	117	116	117	125	100	116
30	124	107	111	150	125	137	119	117	118	122	107	116
31	113	107	110	---	---	---	120	118	119	122	109	117
MONTH	146	87	112	283	108	125	167	115	120	214	94	130

COOPER RIVER BASIN

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, 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	23.0	22.0	22.5	---	---	---	---	---	---	11.0	10.0	10.5
2	22.5	21.5	22.0	---	---	---	---	---	---	11.5	10.5	10.5
3	22.5	21.5	22.0	19.0	17.5	18.0	---	---	---	12.0	11.0	11.5
4	22.5	22.0	22.5	17.5	17.0	17.0	---	---	---	---	---	---
5	23.0	22.0	22.5	17.5	16.5	17.0	---	---	---	---	---	---
6	23.0	22.0	22.5	17.5	16.5	17.0	---	---	---	---	---	---
7	23.0	21.5	22.5	17.5	16.5	17.0	---	---	---	---	---	---
8	22.5	21.5	22.0	18.0	16.5	17.5	---	---	---	---	---	---
9	23.0	22.0	22.5	18.0	17.0	17.5	---	---	---	---	---	---
10	23.5	22.5	23.0	18.5	17.0	18.0	14.0	13.0	13.5	---	---	---
11	23.5	23.0	23.5	---	---	---	14.0	13.0	13.5	---	---	---
12	23.5	23.0	23.5	---	---	---	14.0	13.5	13.5	12.0	11.5	11.5
13	23.0	22.5	23.0	---	---	---	14.5	14.0	14.0	12.0	11.5	11.5
14	23.0	22.0	22.5	---	---	---	15.0	14.0	14.5	12.0	10.5	11.0
15	22.5	22.0	22.5	---	---	---	14.5	13.5	14.0	10.5	10.0	10.0
16	22.5	21.5	22.0	---	---	---	14.0	13.0	13.5	10.5	9.5	10.0
17	22.0	21.5	22.0	---	---	---	13.0	12.5	13.0	10.5	10.0	10.5
18	21.5	21.0	21.5	---	---	---	13.0	12.5	12.5	10.5	9.5	10.0
19	---	---	---	---	---	---	13.0	12.5	12.5	10.0	9.5	9.5
20	---	---	---	---	---	---	13.0	12.5	12.5	10.5	9.5	10.0
21	---	---	---	---	---	---	13.0	12.5	12.5	10.0	9.0	9.5
22	---	---	---	---	---	---	12.5	12.5	12.5	9.0	8.5	9.0
23	20.0	19.0	19.5	---	---	---	12.5	12.0	12.5	9.0	8.5	8.5
24	19.5	18.0	18.5	---	---	---	12.5	11.5	12.0	8.5	7.5	8.0
25	18.5	18.0	18.0	---	---	---	12.0	10.5	11.0	7.5	6.0	7.0
26	18.5	18.0	18.0	---	---	---	11.0	9.5	10.0	7.0	5.5	6.0
27	18.5	17.0	18.0	---	---	---	10.0	9.0	9.5	6.5	5.0	6.0
28	18.0	17.0	18.0	---	---	---	10.5	9.0	10.0	6.0	4.5	5.5
29	18.0	17.0	18.0	---	---	---	10.0	9.0	9.5	5.5	4.5	5.0
30	---	---	---	---	---	---	10.0	9.0	9.5	5.5	4.5	5.0
31	---	---	---	---	---	---	10.5	9.5	10.0	6.0	4.5	5.5
MONTH	23.5	17.0	21.3	19.0	16.5	17.4	15.0	9.0	12.1	12.0	4.5	8.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.5	5.0	5.5	14.5	12.5	13.5	19.0	18.0	18.5	21.5	20.0	20.5
2	6.5	5.5	6.0	15.5	13.5	14.5	---	---	---	22.0	20.0	21.0
3	7.0	5.5	6.0	15.0	13.0	14.0	---	---	---	22.5	21.0	22.0
4	7.5	6.0	6.5	15.0	13.5	14.0	---	---	---	22.5	21.0	22.0
5	7.5	6.5	7.0	15.5	13.5	14.5	---	---	---	23.0	21.0	22.0
6	7.5	6.0	7.0	16.0	14.0	15.0	---	---	---	23.0	21.0	22.0
7	8.0	6.5	7.0	16.5	14.5	15.0	---	---	---	23.5	22.0	23.0
8	8.0	7.0	7.5	---	---	---	---	---	---	24.0	22.0	23.5
9	8.0	7.5	8.0	---	---	---	---	---	---	24.0	23.5	24.0
10	8.0	7.0	7.5	---	---	---	---	---	---	24.0	22.5	23.5
11	9.0	7.5	8.0	---	---	---	---	---	---	24.0	22.5	23.5
12	9.0	8.0	8.5	---	---	---	---	---	---	25.5	23.5	24.5
13	9.5	9.0	9.0	---	---	---	---	---	---	26.5	25.0	25.5
14	11.0	9.0	10.0	16.5	15.5	16.0	---	---	---	26.5	25.0	26.0
15	11.5	10.0	11.0	17.0	15.5	16.0	---	---	---	26.0	25.0	25.5
16	12.0	10.0	11.0	18.0	16.5	17.0	---	---	---	25.5	24.0	25.0
17	12.0	10.5	11.0	19.0	17.0	17.5	---	---	---	25.5	23.5	24.5
18	12.0	10.0	11.0	18.0	15.5	16.5	---	---	---	25.5	24.0	25.0
19	13.0	11.0	12.0	16.5	15.0	15.5	---	---	---	26.0	23.5	25.0
20	13.0	11.5	12.5	17.5	16.0	16.5	20.0	18.5	19.0	26.5	25.0	25.5
21	12.5	11.0	12.0	18.5	17.0	17.5	20.5	19.5	20.0	26.5	25.5	26.0
22	12.0	11.0	11.5	18.5	17.5	18.0	20.0	19.0	19.5	26.0	24.5	25.5
23	12.0	11.0	11.5	18.0	16.5	17.0	20.0	19.0	19.5	25.5	24.0	25.0
24	12.0	11.0	12.0	17.5	16.5	17.0	20.0	19.5	19.5	26.0	25.0	25.5
25	13.0	12.0	12.5	18.0	16.0	17.0	20.0	19.5	19.5	27.0	25.5	26.5
26	13.5	12.5	13.0	---	---	---	19.5	18.5	19.0	27.5	26.0	26.5
27	14.0	13.0	13.5	---	---	---	20.0	18.5	19.0	28.0	25.5	27.5
28	14.5	12.5	14.0	---	---	---	20.0	19.5	19.5	28.5	27.5	28.0
29	14.5	12.0	13.0	18.0	17.0	17.5	20.0	19.0	19.5	28.5	27.0	28.0
30	---	---	---	18.0	17.5	17.5	21.0	19.5	20.0	27.0	26.0	26.5
31	---	---	---	18.5	17.5	18.0	---	---	---	26.5	24.5	25.5
MONTH	14.5	5.0	9.8	19.0	12.5	16.1	21.0	18.0	19.4	28.5	20.0	24.6

