

02077303 HYCO RIVER BELOW AFTERBAY DAM NEAR MCGEHEES MILL, NC--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1981 to September 1983.

WATER TEMPERATURE: June 1974 to current year.

INSTRUMENTATION.--Temperature recorder since June 1974. Water-quality monitor from Oct. 1981 to Sept. 1983.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 197 microsiemens, Dec. 6, 1981; minimum, 89 microsiemens, May 16, 1983.

WATER TEMPERATURE: Maximum recorded, 33.5°C, July 20, 21, 22, 1977; minimum recorded, 1.1°C, Jan. 1, 2, 1999.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 30.7°C, Aug. 23; minimum recorded, 1.0°C, Jan. 6.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.1	19.3	20.1	15.6	12.0	13.5	15.4	12.3	13.5	8.7	4.7	5.8
2	20.9	19.2	19.9	16.3	13.1	14.4	14.1	11.1	12.3	6.0	4.3	5.3
3	20.9	19.1	19.9	16.7	13.7	14.8	13.7	10.5	11.5	5.3	4.0	4.5
4	21.0	19.3	20.0	16.3	13.3	14.3	13.7	10.6	11.5	8.1	3.7	4.8
5	21.1	19.3	20.2	15.6	12.7	13.5	13.7	10.5	11.5	7.9	3.7	4.9
6	20.6	19.5	20.3	15.2	12.2	13.0	14.3	10.9	12.1	4.1	1.0	3.4
7	20.6	18.8	19.5	15.4	12.1	13.0	14.6	12.2	13.2	5.5	3.7	4.5
8	20.0	18.0	18.8	15.3	12.1	13.0	14.3	12.7	13.3	6.3	3.8	4.4
9	19.2	17.4	18.0	15.3	12.2	13.0	14.6	11.2	12.6	7.2	3.4	4.7
10	18.8	17.0	17.8	15.2	12.0	12.9	12.0	8.7	11.3	7.0	4.2	5.5
11	19.1	17.3	18.0	15.1	11.8	12.8	11.3	8.7	10.4	7.8	4.8	6.3
12	18.9	17.6	18.2	14.5	11.3	12.3	11.8	11.2	11.5	7.4	4.0	5.4
13	19.2	17.9	18.4	14.0	10.9	11.8	12.6	11.5	12.0	8.3	4.5	5.9
14	19.0	18.2	18.6	13.7	10.8	11.6	13.5	12.3	12.9	6.4	3.8	5.1
15	19.4	17.8	18.4	13.7	10.8	11.6	14.0	10.7	11.9	8.3	4.4	5.6
16	19.3	16.2	17.7	13.7	10.7	11.7	13.3	10.3	11.1	7.9	4.2	5.5
17	18.9	15.0	16.4	13.8	10.9	11.7	12.4	10.2	11.3	8.1	4.9	6.0
18	18.3	14.7	15.8	13.5	10.6	11.4	12.6	9.9	11.0	8.6	5.0	6.4
19	17.8	14.6	15.7	13.6	10.6	11.7	12.2	9.8	10.5	5.4	3.5	4.5
20	18.2	14.7	15.9	13.1	10.5	11.7	12.1	9.1	10.0	6.6	4.2	4.9
21	18.3	14.9	16.2	12.8	9.9	10.8	11.5	8.1	9.0	6.0	4.7	5.2
22	18.8	15.5	16.6	12.7	9.5	10.5	11.1	7.5	8.5	8.3	4.2	5.5
23	18.4	15.6	16.8	11.6	9.6	10.6	10.5	7.4	8.8	5.8	4.7	5.4
24	19.3	16.2	17.5	12.2	10.8	11.6	11.2	7.5	9.2	8.8	5.8	7.7
25	20.0	16.8	18.0	13.0	12.1	12.5	10.4	7.2	8.0	9.2	5.8	7.7
26	18.9	15.4	16.6	14.0	11.6	12.7	10.2	6.5	7.7	9.6	4.8	6.4
27	16.6	14.2	15.1	13.4	11.6	12.4	9.6	6.4	7.2	9.6	4.5	6.6
28	17.0	12.8	14.2	13.8	11.7	12.5	8.5	6.1	7.1	10.2	6.7	7.8
29	16.2	12.3	13.5	14.2	11.8	12.9	10.0	6.6	7.7	10.2	6.5	8.0
30	16.2	12.1	13.3	14.3	13.4	13.8	9.2	5.5	6.6	11.7	8.2	9.4
31	15.7	12.0	13.2	---	---	---	8.3	5.5	6.4	11.6	9.0	9.9
MONTH	21.1	12.0	17.4	16.7	9.5	12.5	15.4	5.5	10.4	11.7	1.0	5.9

ROANOKE RIVER BASIN

02077303 HYCO RIVER BELOW AFTERBAY DAM NEAR MCGEHEES MILL, NC--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.3	9.9	11.0	10.8	5.8	7.4	15.6	11.3	12.6	20.5	16.0	17.7
2	12.4	8.2	9.6	7.8	5.6	6.7	17.0	11.0	13.3	21.0	17.5	18.8
3	9.5	7.8	8.6	8.2	6.0	7.1	17.9	12.7	14.7	18.8	16.7	17.5
4	9.9	6.9	8.3	9.9	6.7	7.7	17.0	12.3	13.8	16.7	15.1	16.0
5	10.4	6.3	7.4	10.1	6.3	7.5	16.6	11.8	13.2	19.3	15.1	16.6
6	8.7	6.2	7.2	10.8	6.5	8.0	16.1	11.7	13.0	20.3	15.9	17.7
7	7.0	4.7	5.8	11.3	7.1	8.6	16.6	11.5	13.2	21.6	17.1	19.0
8	9.9	5.6	7.0	11.9	7.5	9.1	16.1	11.9	13.6	22.3	18.0	19.7
9	10.8	5.9	7.5	11.2	8.4	9.7	16.0	13.5	14.8	20.8	18.4	19.5
10	8.5	6.2	7.6	12.8	8.9	10.3	17.0	13.8	15.4	22.5	18.2	19.8
11	10.5	6.4	8.0	13.0	8.8	10.0	17.7	13.2	14.8	20.1	17.8	18.5
12	10.2	5.9	7.4	10.4	9.1	9.7	15.6	13.8	14.6	21.5	17.5	19.4
13	10.2	6.2	7.4	10.1	9.5	9.8	16.9	14.0	15.2	22.6	18.7	20.3
14	10.5	6.0	7.4	13.7	9.4	11.1	18.8	14.3	16.2	21.0	17.6	18.7
15	9.9	6.0	7.5	14.5	10.6	12.1	19.5	16.1	17.3	22.8	17.5	19.3
16	11.0	7.4	8.5	14.8	11.7	12.8	19.5	15.6	17.3	22.8	17.7	19.6
17	10.3	6.8	7.9	12.6	10.0	11.2	19.9	15.8	17.7	23.2	18.7	20.5
18	10.6	5.9	7.4	10.6	8.6	9.8	19.9	15.9	17.5	21.7	18.4	19.9
19	10.4	5.5	7.5	10.8	10.1	10.4	20.2	16.4	17.6	21.5	17.7	18.8
20	10.2	7.8	9.0	11.0	10.1	10.5	18.3	16.1	17.1	21.6	17.1	18.7
21	12.1	8.2	9.8	13.2	9.9	11.1	19.3	16.0	17.3	20.2	16.7	18.2
22	11.8	7.4	9.1	13.1	9.0	10.3	19.5	15.3	16.7	21.4	16.5	18.1
23	11.7	7.6	9.0	13.5	8.5	10.1	19.0	13.7	15.7	21.2	16.3	18.1
24	11.7	6.7	8.3	14.1	8.9	10.7	18.9	12.7	15.5	21.9	16.6	18.9
25	11.7	6.4	8.5	15.0	9.7	12.0	19.0	14.6	16.3	22.4	17.9	19.8
26	12.2	8.0	9.4	14.3	11.3	12.5	19.9	13.8	15.9	23.0	18.3	20.3
27	10.8	6.8	8.4	14.2	10.5	11.8	19.5	13.2	16.1	23.1	18.8	20.5
28	10.7	6.0	7.6	14.9	10.5	11.9	19.5	16.4	17.8	22.9	18.5	20.2
29	---	---	---	14.9	10.3	12.2	21.1	15.7	17.7	22.9	18.6	20.3
30	---	---	---	16.3	12.5	13.8	20.4	14.4	16.9	22.1	19.4	20.6
31	---	---	---	13.6	11.8	12.6	---	---	---	23.4	19.3	21.1
MONTH	12.4	4.7	8.1	16.3	5.6	10.3	21.1	11.0	15.6	23.4	15.1	19.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.5	20.4	21.4	25.1	22.3	23.6	---	---	---	22.3	20.2	21.4
2	23.6	19.8	21.4	25.3	22.8	23.9	---	---	---	24.2	21.5	22.3
3	23.4	19.9	21.3	25.4	23.0	24.1	---	---	---	27.1	21.3	23.5
4	22.6	20.0	21.3	25.6	23.1	24.1	---	---	---	27.9	22.0	24.3
5	23.4	21.0	22.1	25.6	23.0	24.1	---	---	---	27.8	22.0	23.9
6	23.5	21.6	22.2	25.4	22.8	23.8	---	---	---	27.3	21.6	23.6
7	22.1	20.0	21.3	25.5	22.5	23.8	---	---	---	27.0	21.5	23.3
8	22.4	19.4	20.6	25.4	22.7	23.9	26.4	23.3	24.3	26.4	21.7	23.1
9	22.3	19.0	20.5	25.7	23.2	24.3	26.4	23.1	24.2	26.5	21.7	23.1
10	22.6	19.6	21.0	25.8	23.9	24.7	26.1	23.0	24.2	28.5	22.0	23.9
11	23.1	20.0	21.5	24.3	22.3	23.5	26.4	23.2	24.6	27.9	21.5	23.5
12	23.5	20.5	22.0	24.6	22.0	23.0	26.6	23.8	25.1	26.6	21.3	22.8
13	23.6	21.5	22.4	24.5	22.4	23.4	26.9	24.2	25.3	26.5	21.1	22.9
14	23.2	22.0	22.6	24.6	23.2	23.6	27.2	24.0	25.4	24.6	21.7	23.1
15	24.0	21.0	22.2	25.3	23.1	23.9	27.2	24.9	25.7	25.1	22.4	23.5
16	23.5	20.3	21.7	25.4	22.9	24.0	27.0	25.0	25.8	23.8	21.9	22.6
17	23.4	20.7	21.7	25.6	22.9	24.1	27.6	25.0	26.0	26.7	21.8	23.8
18	22.8	20.2	21.5	25.6	23.4	24.4	27.8	25.3	26.2	26.0	21.8	23.5
19	23.5	20.4	21.7	26.0	23.9	24.8	29.7	24.7	26.2	25.8	22.3	23.6
20	23.6	20.6	21.8	25.7	23.7	24.4	30.1	24.1	26.2	26.7	22.1	23.9
21	23.5	20.2	21.6	26.5	23.4	24.6	28.6	24.2	25.8	27.0	21.9	23.8
22	23.6	20.5	21.9	---	---	---	29.3	24.3	26.2	26.8	22.0	24.0
23	23.6	21.2	22.3	---	---	---	30.7	24.4	26.8	26.1	21.8	23.5
24	24.2	21.8	22.8	---	---	---	30.0	24.5	26.0	26.3	21.2	22.9
25	24.7	22.1	23.1	---	---	---	29.4	24.4	26.2	25.1	21.3	22.5
26	24.2	22.5	23.1	---	---	---	26.6	24.4	25.1	22.3	21.5	21.9
27	24.3	22.5	23.2	---	---	---	25.9	23.7	24.6	26.5	21.7	23.5
28	24.0	22.3	23.2	---	---	---	23.9	22.6	23.3	26.1	21.2	22.9
29	24.9	22.3	23.4	---	---	---	25.5	22.7	23.5	26.2	20.7	22.4
30	24.9	22.2	23.4	---	---	---	23.9	22.3	23.1	25.2	20.7	22.2
31	---	---	---	---	---	---	22.3	20.5	21.1	---	---	---
MONTH	24.9	19.0	22.0	---	---	---	---	---	---	28.5	20.2	23.2