

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, 1.0°C, Jan. 6, 2002.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 28.6°C, Aug. 11; minimum recorded, 3.4°C, Jan. 27, 28.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.0	20.9	22.7	16.0	15.7	15.8	11.4	10.5	10.9	10.4	9.7	10.1
2	26.8	21.2	23.3	15.7	14.9	15.3	10.7	10.3	10.5	10.3	10.0	10.2
3	27.1	21.5	23.6	14.9	14.7	14.8	10.5	9.8	10.2	10.0	9.8	9.9
4	26.4	21.8	23.7	15.5	14.7	15.1	9.8	9.1	9.5	9.8	9.1	9.4
5	27.6	21.8	24.0	15.5	15.0	15.3	9.1	8.6	8.8	9.1	8.8	9.0
6	25.7	21.2	22.7	15.2	14.7	15.0	8.6	8.2	8.4	9.1	8.4	8.8
7	24.9	22.1	23.0	14.8	14.1	14.6	8.5	7.8	8.2	8.4	7.8	8.1
8	22.8	21.3	21.8	14.5	13.8	14.1	8.3	7.8	8.1	8.5	7.9	8.2
9	22.3	20.7	21.4	14.8	14.1	14.4	8.1	7.6	7.8	8.8	8.0	8.4
10	22.2	20.6	21.3	15.3	14.5	14.8	7.7	7.5	7.6	8.5	8.1	8.3
11	21.3	18.8	20.5	16.0	15.3	15.7	7.6	7.1	7.5	8.3	7.7	8.1
12	23.0	20.7	21.4	16.0	15.6	15.9	7.7	7.4	7.5	8.0	7.3	7.7
13	22.4	20.7	21.2	15.6	15.4	15.5	7.7	7.5	7.6	7.7	7.1	7.4
14	21.1	19.9	20.6	15.9	15.2	15.6	9.2	7.5	8.4	7.4	7.2	7.3
15	20.5	18.6	20.1	16.0	15.6	15.8	10.4	9.2	9.9	7.3	6.6	7.0
16	20.8	16.1	18.9	16.0	15.7	15.9	10.9	10.4	10.6	6.6	6.4	6.5
17	20.6	20.2	20.4	15.7	15.3	15.5	10.5	10.0	10.2	6.5	5.9	6.3
18	20.3	19.8	20.1	15.9	15.2	15.5	10.0	9.7	9.8	5.9	5.5	5.8
19	20.1	19.7	19.9	15.9	15.6	15.8	10.1	9.7	9.9	5.7	5.3	5.5
20	19.9	19.7	19.8	15.8	15.5	15.7	10.7	10.1	10.4	6.0	5.3	5.6
21	19.8	18.9	19.3	15.7	15.6	15.7	10.4	10.2	10.3	5.6	5.3	5.5
22	18.9	18.5	18.7	15.6	14.3	15.1	10.3	10.0	10.1	5.4	5.0	5.2
23	18.7	18.3	18.5	14.3	13.8	14.0	10.1	9.9	10	5.3	4.1	4.8
24	18.5	18.3	18.4	14.1	13.5	13.8	9.9	8.5	9.5	4.1	3.6	3.9
25	18.3	17.8	18.0	14.1	13.5	13.8	9.5	9.1	9.4	4.0	3.6	3.9
26	18.2	17.7	17.9	13.7	13.3	13.5	9.4	9.0	9.2	4.3	3.7	4.0
27	17.9	17.5	17.7	13.3	12.7	13.1	9.8	9.3	9.5	4.1	3.4	3.7
28	17.7	17.3	17.5	12.7	12.2	12.4	9.6	9.3	9.4	3.9	3.4	3.7
29	17.5	16.9	17.2	12.3	11.9	12.2	9.5	9.0	9.3	4.4	3.9	4.1
30	16.9	16.5	16.7	12.2	11.4	11.9	9.5	8.9	9.2	4.4	4.0	4.1
31	16.6	16.0	16.3	---	---	---	9.8	9.1	9.5	4.1	4.0	4.1
MONTH	27.6	16.0	20.2	16.0	11.4	14.7	11.4	7.1	9.3	10.4	3.4	6.6

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

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4.4	3.9	4.1	9.3	9.0	9.1	15.5	15.1	15.3	17.1	16.5	16.9
2	4.4	3.9	4.1	10.0	9.3	9.6	16.2	15.0	15.6	17.2	16.5	16.8
3	5.0	4.2	4.5	10.8	9.7	10.2	17.0	16.1	16.6	16.9	16.4	16.5
4	6.4	5.0	5.9	11.5	10.5	10.8	17.9	16.7	17.4	16.6	16.4	16.5
5	5.9	5.6	5.8	12.8	11.5	12.2	18.1	17.2	17.7	16.7	16.4	16.5
6	5.9	5.6	5.8	13.2	12.6	12.9	18.0	15.6	16.8	17.8	16.5	17.2
7	6.1	5.4	5.8	12.8	11.7	11.9	16.2	12.6	15.0	18.6	17.1	17.8
8	6.2	5.5	5.9	12.3	11.4	11.8	16.1	15.8	15.9	18.3	17.4	17.8
9	7.1	5.9	6.4	13.0	11.7	12.4	16.0	15.8	15.9	18.3	17.0	17.7
10	7.5	7.0	7.2	12.4	11.7	12.1	15.8	14.3	15.1	18.1	17.3	17.7
11	7.7	7.0	7.3	11.8	11.3	11.6	14.3	13.8	13.9	19.8	17.6	18.5
12	---	---	---	12.3	11.2	11.7	15.3	13.9	14.5	21.6	18.8	20.3
13	---	---	---	12.6	11.8	12.3	14.9	14.7	14.8	20.9	19.0	20.1
14	7.6	7.2	7.4	12.5	11.6	11.9	15.4	14.7	15.0	19.3	18.2	18.8
15	7.6	7.0	7.4	12.3	11.6	11.9	16.6	15.1	15.9	19.1	18.3	18.6
16	7.0	6.2	6.6	12.4	12.2	12.3	16.9	16.2	16.5	18.8	18.4	18.6
17	6.2	5.9	6.1	12.7	12.4	12.5	16.2	15.0	15.9	18.6	17.9	18.1
18	6.4	5.9	6.1	13.3	12.7	13.0	15.8	15.1	15.6	18.1	16.8	17.7
19	6.5	6.1	6.4	13.3	12.7	13.0	15.9	15.3	15.5	19.1	16.9	18.7
20	7.0	6.5	6.8	13.4	12.6	13.1	15.6	15.2	15.4	19.6	19.0	19.2
21	7.5	6.9	7.2	13.9	13.2	13.5	16.2	15.4	15.7	19.9	19.2	19.6
22	7.9	7.3	7.6	15.1	13.9	14.5	17.1	16.2	16.6	19.6	18.9	19.3
23	9.1	7.7	8.9	15.2	14.6	14.9	17.1	15.7	16.3	20.3	19.4	19.8
24	10.1	8.9	9.6	15.2	14.7	14.9	16.1	15.7	15.9	21.3	20.3	20.8
25	10.7	10.1	10.3	16.3	14.8	15.6	16.2	15.7	16.0	21.2	20.8	21.1
26	10.2	9.4	9.7	17.2	16.1	16.6	17.0	15.8	16.2	21.9	21.1	21.5
27	9.4	8.6	8.9	16.7	14.7	15.6	17.5	16.8	17.1	21.7	21.5	21.6
28	9.0	8.6	8.8	15.4	14.6	15.0	17.3	16.6	17.0	22.1	21.3	21.6
29	---	---	---	16.4	13.5	15.6	17.3	16.3	16.8	21.6	21.2	21.3
30	---	---	---	16.6	13.5	15.9	16.8	16.1	16.5	21.7	21.0	21.4
31	---	---	---	15.9	15.5	15.7	---	---	---	21.4	20.8	21.2
MONTH	10.7	3.9	6.9	17.2	9.0	13.0	18.1	12.6	15.9	22.1	16.4	19.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	21.6	20.7	21.3	24.6	23.3	24.3	27.3	24.9	26.6	27.7	27.1	27.4
2	21.1	20.3	20.7	26.0	23.7	25.3	27.2	26.1	26.7	27.8	27.2	27.5
3	20.7	20.3	20.6	26.3	26.0	26.2	26.4	25.6	26.0	27.6	25.3	27.3
4	21.3	20.6	20.9	27.3	26.2	26.7	27.7	25.5	26.9	28.0	25.5	26.5
5	21.7	20.5	21.0	28.1	26.0	27.2	28.5	27.5	28.0	28.0	26.9	27.7
6	21.8	21.4	21.6	26.5	25.5	26.0	28.4	28.0	28.2	27.3	25.7	26.6
7	22.9	21.4	22.1	26.5	25.6	26.1	28.3	27.5	28.1	25.8	25.4	25.5
8	23.0	22.4	22.6	26.3	25.8	26.1	28.1	28.0	28.1	25.5	25.1	25.4
9	24.8	23.0	23.9	26.4	25.6	25.9	28.3	26.6	28.0	25.2	24.8	25.1
10	25.1	24.2	24.6	26.4	25.5	26.0	28.3	28.0	28.1	24.8	24.2	24.6
11	26.1	25.0	25.6	27.1	25.8	26.5	28.6	28.0	28.3	24.5	23.9	24.1
12	25.8	25.0	25.4	26.3	25.7	26.1	28.5	27.0	28.1	24.0	23.7	23.9
13	26.3	25.3	25.7	26.1	25.6	25.8	27.4	26.9	27.1	23.7	23.6	23.7
14	27.1	25.7	26.6	26.0	25.7	25.9	27.5	26.7	27.1	23.8	23.5	23.6
15	27.5	26.5	27.0	26.2	25.7	25.9	27.6	26.8	27.1	24.0	23.5	23.7
16	27.4	26.9	27.1	26.9	25.9	26.4	27.4	26.8	27.1	23.8	23.1	23.5
17	27.0	26.3	26.6	26.2	25.9	26.1	27.7	26.8	27.2	23.5	22.9	23.2
18	26.3	26.0	26.1	28.2	25.7	26.7	27.2	26.5	26.9	23.5	22.5	23.0
19	26.5	25.9	26.1	28.3	27.7	28.0	27.2	26.7	26.9	23.1	22.4	22.8
20	25.9	24.1	25.0	28.0	26.4	27.4	27.3	26.7	27.0	23.0	22.8	22.9
21	24.7	23.9	24.3	27.3	26.3	26.8	27.4	26.7	27.1	23.1	22.4	22.9
22	26.0	23.9	24.9	27.5	26.5	27.0	27.8	26.8	27.2	24.5	22.4	23.2
23	26.1	25.5	25.7	26.8	26.1	26.5	27.5	26.8	27.1	24.6	24.1	24.4
24	25.8	24.5	25.4	26.7	26.0	26.3	27.2	26.6	26.8	24.3	23.8	24.0
25	25.0	24.1	24.5	26.4	25.8	26.1	27.7	26.4	27.1	25.1	24.1	24.5
26	25.0	24.1	24.6	26.5	25.7	26.2	27.6	27.0	27.3	24.1	23.8	24.0
27	24.9	24.2	24.5	27.1	26.1	26.7	27.8	27.0	27.4	24.3	23.5	23.9
28	24.3	24.1	24.2	27.1	26.4	26.8	27.7	27.1	27.4	23.9	23.2	23.5
29	25.0	24.1	24.6	26.4	26.0	26.2	27.9	27.1	27.5	23.4	22.5	23.1
30	25.0	24.2	24.6	26.0	25.8	26.0	28.2	27.4	27.8	22.6	22.1	22.3
31	---	---	---	26.0	24.9	25.8	27.6	27.1	27.3	---	---	---
MONTH	27.5	20.3	24.3	28.3	23.3	26.3	28.6	24.9	27.3	28.0	22.1	24.5