### ROANOKE RIVER BASIN

### 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, 26.4°C, Aug. 5; minimum recorded, 8.1°C, Dec. 27, 28.

# TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1 2 3 4 5	20.4 21.2 21.2 22.0 22.3	19.5 20.1 20.3 21.0 21.1	19.9 20.6 20.8 21.5 21.8	19.5 19.5 19.7 19.0 18.3	19.0 18.9 19.0 18.3 17.9	19.3 19.3 19.4 18.5 18.1	14.9 14.6 15.2 14.9 14.8	14.6 14.3 13.3 12.9 12.8	14.8 14.5 14.2 13.6 13.6	11.2 10.8 10.2 10.5 10.7	9.8 9.9 9.2 9.5 10.2	10.4 10.3 9.6 10.2 10.4
6 7 8 9 10	21.8 22.0 22.0 21.6 22.1	21.3 21.1 21.0 20.9 21.2	21.6 21.6 21.4 21.3 21.6	17.9 18.0 17.9 17.4 17.1	17.5 17.3 17.4 16.9 16.4	17.7 17.7 17.7 17.1 16.7	14.2 15.4 15.6 13.7 13.7	13.6 14.0 13.6 10.9 10.5	14.0 14.8 14.5 12.7 13.1	12.2 11.9 11.8 11.4 11.8	10.5 11.1 10.7 10.1 9.9	11.3 11.5 11.3 10.7 10.8
11 12 13 14 15	21.7 21.5 21.3 21.6 21.4	21.0 20.7 21.0 20.9 20.5	21.4 21.1 21.1 21.2 21.0	17.1 17.1 17.0 16.3 17.2	16.3 16.4 16.3 15.9 16.0	16.7 16.9 16.8 16.0 16.6	15.2 15.6 15.4 14.6 16.6	13.6 15.2 14.4 13.3 12.6	14.5 15.4 15.0 14.0 13.4	11.6 12.2 12.1 13.0 12.9	10.3 10.5 11.2 11.6 11.6	10.9 11.4 11.6 12.1 12.0
16 17 18 19 20	20.6 20.4 20.0 20.6 19.9	20.0 19.6 19.4 19.9 19.6	20.3 19.9 19.7 20.2 19.7	16.9 17.7 17.2 17.4 17.5	16.6 15.7 15.8 16.2 16.2	16.7 16.5 16.5 16.7 16.7	13.8 19.9 19.5 13.3 11.2	12.0 12.4 12.2 10.9 9.9	12.8 13.5 14.8 12.1 10.4	13.5 13.3 12.1 11.2 10.4	12.9 12.1 11.2 10.4 9.9	13.3 12.6 11.5 10.8 10.2
21 22 23 24 25	19.6 19.5 19.2 19.1 19.3	19.5 19.2 18.9 18.9 18.9	19.5 19.4 19.1 19.0 19.1	17.6 16.7 16.7 16.8 16.9	16.2 16.0 16.4 16.5 16.1	16.8 16.4 16.6 16.6 16.6	16.7 15.9 12.6 11.2 10.8	10.1 10.4 11.1 10.3 8.9	12.2 12.5 11.7 10.7 9.8	  	  	  
26 27 28 29 30 31	19.2 18.8 18.9 19.0 19.6 19.6	18.6 18.5 18.7 18.8 18.9 19.1	18.9 18.7 18.8 18.9 19.3 19.4	16.1 15.7 15.4 14.9 14.8	15.7 11.8 11.8 14.6 14.4	15.9 15.1 14.8 14.7 14.6	8.9 8.7 12.8 13.3 10.4 10.6	8.5 8.1 8.1 8.8 9.3 9.3	8.7 8.3 9.7 10.9 9.9 9.9	   	   	   
MONTH	22.3	18.5	20.3	19.7	11.8	16.9	19.9	8.1	12.6			

## ROANOKE RIVER BASIN

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

### TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
	FEBRUARY			MARCH				APRIL			MAY		
$\frac{1}{2}$							16.0 16.8	15.5 15.4	15.8 16.1	19.1 18.5	16.6 17.6	$\begin{array}{c} 18.1 \\ 18.0 \end{array}$	
3 4							16.1 16.4	15.5 15.5	15.8 15.9	18.3 17.4	17.1 15.6	17.9 16.6	
5							16.2	15.6	15.9	16.8	15.6	16.1	
6 7							17.1 16.9	14.7 15.4	15.7 15.9	16.1 18.0	15.0 14.9	15.6 16.3	
8							16.5	15.2	15.7	18.3	15.5	16.6	
10							16.4 17.1	15.3 16.3	16.0 16.7	18.8 19.1	15.5 15.7	16.8 17.1	
11							17.9	16.8	17.2	18.8	16.1	17.3	
12 13							16.8 15.3	15.0 14.6	16.2 14.9	19.3 17.1	16.0 16.3	17.3 16.6	
14 15							16.7 16.9	14.4 14.5	15.3 15.3	18.9 18.4	16.3 17.1	17.5 17.7	
16							16.7	14.3	15.2	19.1	16.1	17.1	
17 18							17.3 17.4	13.8 14.4	15.4 15.7	18.9 18.7	16.0 16.0	17.1 17.3	
19 20				11.2 12.9	9.9 10.8	10.5 11.9	18.2 18.1	14.9 15.5	16.3 16.5	18.9 19.6	16.8 16.7	17.6 17.9	
21				12.7	11.9	12.2	18.6	15.3	16.6	18.9	15.9	17.1	
22 23				12.3 12.3	11.2 11.2	11.5 11.8	17.0 17.9	15.6 15.7	16.2 16.4	19.7 19.7	15.8 16.8	17.7 18.1	
24 25				13.6 12.7	12.0 12.3	12.7 12.5	16.6 18.4	15.4 15.5	15.9 16.5	18.4 19.0	17.1 16.7	17.8 17.3	
25 26				12.7	12.5	12.5	17.0	15.5	16.3	20.4	16.9	17.5	
27 28				12.8	12.4 11.9	12.6 13.3	17.4	15.6 14.9	16.6	19.8 19.0	17.0	18.4 18.2	
29				13.9 15.3	13.8	14.6	18.5 17.0	16.1	16.5 16.4	19.1	17.5 17.0	18.2	
30 31				15.9 16.1	15.0 15.3	15.3 15.6	17.1	16.0	16.6	19.9 20.0	17.5 17.5	18.4 18.5	
MONTH							18.6	13.8	16.1	20.4	14.9	17.4	
		JUNE			JULY			AUGUST		SI	EPTEMBI	ER	
$\frac{1}{2}$	18.6 18.0	17.4 17.4	18.1 17.7	24.6 24.1	21.9 22.0	23.1 22.8	25.8 26.1	24.8 25.0	25.2 25.5	26.1 26.0	25.1 24.6	25.5 25.2	
2 3	18.9	17.6	18.3	23.8	21.5	22.5 22.8	26.3	25.2 25.2 25.2	25.7	25.9 25.9	24.3	25.0 25.2	
4 5	20.0 21.0	18.3 18.3	19.0 19.4	23.8 25.0	22.0 22.3	22.8 23.5	26.3 26.4	25.2 25.2	25.7 25.8	25.9	24.9 24.8	25.2 25.1	
6	21.3	18.4	19.6	25.4	22.7	23.9	26.2	25.3	25.6	25.8	24.5	25.0	
7 8	21.2 21.1	18.9 18.9	19.7 19.8	24.2 23.9	22.7 23.0	23.5 23.4	25.9 25.7	25.1 25.0	25.4 25.3	25.7 25.8	24.3 24.2	24.8 24.8	
9 10	21.3 21.4	19.0 19.2	19.9 20.0	23.7 23.8	22.4 22.6	23.1 23.2	25.4 25.6	25.0 24.9	25.2 25.2	25.7 25.5	24.3 24.3	24.8 24.7	
11	21.2	19.4	20.0	23.6	23.0	23.3	25.9	24.9	25.3	25.5	24.2	24.6	
12 13	20.9 21.3	19.1 19.8	20.0 20.4	24.2 24.1	23.1 23.4	23.6 23.7	25.9 25.8	25.0 25.0	25.4 25.4	25.3 25.2	23.9 24.1	24.4 24.6	
14 15	22.2 22.1	19.5 19.6	20.7 20.7	23.6 23.7	23.2 23.1	23.4 23.4	25.9 25.7	24.9 24.8	25.4 25.3	25.1 25.8	24.6 24.6	24.8 25.1	
16	21.9	18.8	20.5	24.4	23.1	23.7				25.9	24.6	25.2	
17 18	22.0 21.6	18.7	20.1	24.7	23.4	24.0				26.2	24.9	25.5	
19 20		184				24.0	24.9	24.5	24.6			25.4	
	21.6	18.4 18.9 19.2	20.0 20.1	24.8 25.3	23.5 23.7	24.2 24.4	24.9 25.2	24.5 24.3	24.6 24.7	26.1 26.0	25.0 24.9	25.4 25.3 25.6	
	21.6 22.1	18.9 19.2	20.0 20.1 20.4	24.8 25.3 25.2	23.5 23.7 23.9	24.2 24.4 24.5	24.9 25.2 25.6	24.5 24.3 24.3	24.6 24.7 24.9	26.1 26.0 26.2	25.0 24.9 25.1	25.3 25.6	
21 22	21.6 22.1 22.7 22.8	18.9 19.2 18.9 19.9	20.0 20.1 20.4 20.8 21.4	24.8 25.3 25.2 25.2 25.2 25.4	23.5 23.7 23.9 23.8 24.1	24.2 24.4 24.5 24.4 24.7	24.9 25.2 25.6 26.0 25.6	24.5 24.3 24.3 24.7 24.6	24.6 24.7 24.9 25.3 25.1	26.1 26.0 26.2 26.2 26.0	25.0 24.9 25.1 25.3 25.0	25.3 25.6 25.7 25.4	
21 22 23 24	21.6 22.1 22.7 22.8 23.1 23.4	18.9 19.2 18.9 19.9 19.9 20.1	20.0 20.1 20.4 20.8 21.4 21.4 21.4 21.6	24.8 25.3 25.2 25.2 25.4 25.3 25.0	23.5 23.7 23.9 23.8 24.1 24.1 23.9	24.2 24.4 24.5 24.4 24.7 24.7 24.7 24.5	24.9 25.2 25.6 26.0 25.6 25.0 25.0	24.5 24.3 24.3 24.7 24.6 24.4 24.3	24.6 24.7 24.9 25.3 25.1 24.6 24.6	26.1 26.0 26.2 26.2 26.0 26.2 26.0 26.2 25.6	25.0 24.9 25.1 25.3 25.0 25.0 25.0 25.3	25.3 25.6 25.7 25.4 25.6 25.4	
21 22 23 24 25	21.6 22.1 22.7 22.8 23.1 23.4 23.5	18.9 19.2 18.9 19.9 19.9 20.1 20.2	20.0 20.1 20.4 20.8 21.4 21.4 21.6 21.7	24.8 25.3 25.2 25.2 25.4 25.3 25.0 25.8	23.5 23.7 23.9 23.8 24.1 24.1 23.9 24.1	24.2 24.4 24.5 24.4 24.7 24.7 24.7 24.5 24.9	24.9 25.2 25.6 26.0 25.6 25.0 25.0 25.0 25.3	24.5 24.3 24.3 24.7 24.6 24.4 24.3 24.4	24.6 24.7 24.9 25.3 25.1 24.6 24.6 24.8	26.1 26.0 26.2 26.0 26.2 25.6 25.5	25.0 24.9 25.1 25.3 25.0 25.0 25.0 25.3 25.0	25.3 25.6 25.7 25.4 25.6 25.4 25.2	
21 22 23 24 25 26 27	21.6 22.1 22.7 22.8 23.1 23.4 23.5 22.9 23.2	18.9 19.2 18.9 19.9 20.1 20.2 20.9 21.3	20.0 20.1 20.4 20.8 21.4 21.4 21.6 21.7 21.9 22.3	24.8 25.3 25.2 25.4 25.3 25.0 25.8 25.9 26.3	23.5 23.7 23.9 23.8 24.1 24.1 23.9 24.1 24.5 24.8	24.2 24.4 24.5 24.4 24.7 24.7 24.7 24.5 24.9 25.2	24.9 25.2 25.6 26.0 25.6 25.0 25.0 25.3 25.0 24.8	24.5 24.3 24.3 24.7 24.6 24.4 24.3 24.4 24.0 24.3	24.6 24.7 24.9 25.3 25.1 24.6 24.6 24.8 24.5 24.5	26.1 26.0 26.2 26.2 26.0 26.2 25.6 25.5 25.6 26.0	25.0 24.9 25.1 25.3 25.0 25.0 25.0 25.3 25.0 24.9 24.7	25.3 25.6 25.7 25.4 25.6 25.4 25.2 25.2 25.2 25.2	
21 22 23 24 25 26 27 28 29	21.6 22.1 22.7 22.8 23.1 23.4 23.5 22.9	18.9 19.2 18.9 19.9 20.1 20.2 20.9	20.0 20.1 20.4 20.8 21.4 21.4 21.4 21.6 21.7 21.9	24.8 25.3 25.2 25.4 25.3 25.0 25.8 25.9 26.3 25.8 25.4	23.5 23.7 23.9 23.8 24.1 24.1 23.9 24.1 24.5	24.2 24.4 24.5 24.4 24.7 24.7 24.7 24.5 24.9 25.2 25.5 25.5 25.5 25.1	24.9 25.2 25.6 26.0 25.6 25.0 25.0 25.3 25.0	24.5 24.3 24.3 24.7 24.6 24.4 24.3 24.4 24.3 24.4 24.0	24.6 24.7 24.9 25.3 25.1 24.6 24.6 24.8 24.8 24.5	26.1 26.0 26.2 26.0 26.2 25.6 25.5 25.6	25.0 24.9 25.1 25.3 25.0 25.0 25.3 25.0 24.9	25.3 25.6 25.7 25.4 25.6 25.4 25.2 25.2 25.2	
21 22 23 24 25 26 27 28	21.6 22.1 22.7 22.8 23.1 23.4 23.5 22.9 23.2 23.1 23.1 24.5	18.9 19.2 18.9 19.9 20.1 20.2 20.9 21.3 21.7 21.6 21.7	20.0 20.1 20.4 20.8 21.4 21.4 21.6 21.7 21.9 22.3 22.4	24.8 25.3 25.2 25.4 25.3 25.0 25.8 25.9 26.3 25.8	23.5 23.7 23.9 23.8 24.1 24.1 24.1 24.9 24.1 24.5 24.8 25.1 24.9 24.8	24.2 24.4 24.5 24.4 24.7 24.7 24.5 24.9 25.2 25.5 25.5	24.9 25.2 25.6 25.0 25.0 25.0 25.3 25.0 24.8 25.4 25.3 25.7	24.5 24.3 24.3 24.7 24.6 24.4 24.3 24.4 24.0 24.3 24.5	24.6 24.7 24.9 25.3 25.1 24.6 24.6 24.6 24.8 24.5 24.5 24.5 24.5 24.8 24.9 25.2	$\begin{array}{c} 26.1 \\ 26.0 \\ 26.2 \\ 26.2 \\ 26.0 \\ 26.2 \\ 25.6 \\ 25.5 \\ 25.6 \\ 25.6 \\ 25.6 \\ 25.6 \\ 24.9 \\ 24.4 \end{array}$	25.0 24.9 25.1 25.3 25.0 25.0 25.0 25.3 25.0 24.9 24.7 24.3	25.3 25.6 25.7 25.4 25.6 25.4 25.2 25.2 25.2 25.2 24.8	
21 22 23 24 25 26 27 28 29 30	21.6 22.1 22.7 22.8 23.1 23.4 23.5 22.9 23.2 23.1 23.1	18.9 19.2 18.9 19.9 20.1 20.2 20.9 21.3 21.7 21.6	20.0 20.1 20.4 20.8 21.4 21.4 21.6 21.7 21.9 22.3 22.4 22.3 22.9	24.8 25.3 25.2 25.4 25.3 25.0 25.8 25.9 26.3 25.8 25.4 25.4	23.5 23.7 23.9 23.8 24.1 24.1 24.9 24.1 24.5 24.8 25.1 24.9	24.2 24.4 24.5 24.4 24.7 24.7 24.7 24.5 24.9 25.2 25.5 25.5 25.5 25.1 25.1	24.9 25.2 25.6 26.0 25.6 25.0 25.3 25.0 24.8 25.4 25.4 25.3	24.5 24.3 24.3 24.7 24.6 24.4 24.3 24.4 24.0 24.3 24.5 24.5 24.7	24.6 24.7 24.9 25.3 25.1 24.6 24.6 24.8 24.5 24.5 24.5 24.8 24.5 24.8 24.9	$\begin{array}{c} 26.1 \\ 26.0 \\ 26.2 \\ 26.2 \\ 26.0 \\ 25.6 \\ 25.5 \\ 25.6 \\ 25.6 \\ 25.6 \\ 25.6 \\ 25.6 \\ 24.9 \end{array}$	25.0 24.9 25.1 25.3 25.0 25.0 25.0 24.9 24.7 24.3 24.1 23.7	25.3 25.6 25.7 25.4 25.6 25.4 25.2 25.2 25.2 25.2 24.8 24.5 23.9	