

02012800 JACKSON RIVER AT FILTRATION PLANT, AT COVINGTON, VA

LOCATION.--Lat 37°48'39", long 79°59'19", Covington City, Hydrologic Unit 02080201, on left bank 50 ft upstream from Dry Run and 1.7 mi upstream from Dunlap Creek and bridge on U.S. Highway 60.

DRAINAGE AREA.--439 mi².

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June 1978 to current year.

INSTRUMENTATION.--Water-temperature recorder since June 1978.

REMARKS.--Some record in prior years fragmentary due to instrument malfunction. Records represent water temperature at sensor within 0.5°C. U.S. Army Corps of Engineers satellite water-temperature telemeter at station. Temperature at the sensor was compared with the average for the river by temperature cross section on Oct. 1, 1991. A maximum variation of 0.5°C was found within the cross section.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 30.5°C, Jul. 21, 1980; minimum recorded, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 22.1°C, Jul 6; minimum recorded, 1.0°C, Jan 6.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.6	16.2	17.8	14.2	12.3	13.3	11.6	9.8	10.6	3.9	3.0	3.5			
2	16.8	14.5	15.6	13.1	12.5	12.8	9.9	8.2	9.0	3.7	2.9	3.4			
3	15.2	13.9	14.7	12.8	12.3	12.6	9.6	7.9	8.8	4.8	2.9	4.0			
4	16.9	14.7	15.8	12.3	10.9	12.0	11.5	9.4	10.5	4.6	2.8	3.7			
5	18.2	16.4	17.0	10.9	9.5	10.2	10.7	10.2	10.5	2.8	1.5	2.2			
6	17.3	16.4	17.1	9.5	8.7	9.1	12.6	10.6	11.4	2.3	1.0	1.5			
7	16.4	15.9	16.1	10.5	8.6	9.3	12.3	11.0	11.7	4.3	2.3	3.6			
8	16.8	15.9	16.2	9.4	9.0	9.2	12.4	11.8	12.1	4.1	3.1	3.7			
9	15.9	15.1	15.5	11.7	9.2	10.4	12.1	10.0	11.4	5.0	3.9	4.5			
10	16.6	14.9	15.6	12.6	11.3	11.9	10.0	8.3	8.9	4.1	2.6	3.2			
11	16.8	14.5	15.5	13.9	12.0	13.1	9.4	8.0	8.7	3.9	2.6	3.2			
12	16.5	14.5	15.4	12.0	10.0	10.8	8.3	7.5	7.9	5.5	3.5	4.5			
13	16.2	14.6	15.3	10.8	9.7	10.2	8.9	8.1	8.5	6.4	5.4	5.9			
14	15.7	13.7	14.6	10.8	9.6	10.2	9.2	7.7	8.6	6.9	6.3	6.6			
15	14.9	12.8	13.8	12.7	10.8	11.7	7.7	6.5	7.1	6.4	4.7	5.8			
16	15.2	12.9	14.0	11.7	10.2	10.9	8.0	6.6	7.3	5.2	3.8	4.6			
17	15.9	13.6	14.7	11.7	10.0	10.8	7.8	7.0	7.6	5.9	4.3	5.1			
18	16.3	14.4	15.3	11.0	9.4	10.2	7.1	6.0	6.6	7.4	5.9	6.6			
19	16.6	15.4	15.8	10.8	9.0	10.0	8.0	6.1	7.0	6.4	5.2	5.8			
20	16.1	14.3	15.2	11.4	10.3	10.8	9.9	8.0	9.0	6.5	5.3	5.9			
21	14.4	13.1	13.7	10.5	8.5	9.7	9.4	8.5	8.9	6.7	6.0	6.3			
22	13.3	11.9	12.8	8.7	7.0	7.9	9.7	7.1	9.0	8.2	6.0	6.9			
23	12.4	10.4	11.5	9.5	6.7	8.2	7.1	4.9	5.6	10.7	8.2	9.6			
24	13.2	10.9	12.0	12.0	9.5	10.8	---	---	---	9.8	7.8	8.8			
25	12.8	11.2	12.1	10.1	8.4	9.1	5.5	4.2	4.8	7.8	6.3	7.0			
26	---	---	---	11.2	9.2	10.1	4.8	3.7	4.2	7.2	5.7	6.5			
27	---	---	---	10.6	9.1	9.8	4.9	3.4	4.2	7.4	5.5	6.6			
28	13.9	12.5	13.2	10.2	8.4	9.4	6.1	4.8	5.6	9.5	7.3	8.3			
29	15.2	13.6	14.2	10.1	8.3	9.3	6.6	6.0	6.3	9.5	7.0	8.4			
30	13.9	12.4	12.8	10.5	8.8	9.7	6.5	4.0	5.5	7.1	5.6	6.4			
31	15.3	12.7	14.0	---	---	---	4.0	2.9	3.4	6.3	4.9	5.7			
MONTH	---	---	---	14.2	6.7	10.4	---	---	---	10.7	1.0	5.4			

02012800 JACKSON RIVER AT FILTRATION PLANT, AT COVINGTON, VA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.9	4.3	4.6	7.2	5.8	6.6	11.9	10.4	11.1	15.8	12.8	14.4
2	6.6	4.6	5.7	8.9	5.5	7.0	13.6	10.5	12.0	16.2	12.9	14.5
3	7.9	6.2	7.0	8.1	6.2	7.5	14.0	11.2	12.8	16.9	13.3	15.0
4	7.6	6.4	7.0	6.4	5.0	5.7	13.8	12.5	13.2	17.8	14.2	15.8
5	7.1	5.4	6.3	7.5	4.7	6.1	15.3	12.1	13.5	16.4	14.3	15.0
6	7.1	6.1	6.6	7.6	6.7	7.1	13.7	11.7	12.7	17.6	14.5	15.8
7	7.3	6.5	6.9	7.8	5.2	6.4	14.1	11.3	12.6	17.5	15.9	16.7
8	8.5	7.1	7.7	6.7	4.0	5.6	14.4	11.0	12.9	17.0	15.7	16.3
9	7.7	6.5	7.3	6.0	4.1	4.9	15.6	13.5	14.3	16.7	14.8	15.7
10	8.7	6.7	7.7	5.0	3.7	4.4	15.0	13.3	13.8	17.9	14.4	16.1
11	8.7	6.6	7.7	7.5	3.7	5.4	15.0	12.6	13.5	18.5	15.7	17.1
12	9.9	7.2	8.7	8.0	4.8	6.3	13.1	10.1	11.8	19.0	16.2	17.5
13	7.2	4.6	5.9	7.0	4.9	6.1	13.7	9.1	11.2	17.7	15.7	16.8
14	5.7	3.6	4.6	6.5	5.1	5.8	14.6	10.6	12.6	15.7	13.4	14.5
15	6.4	3.8	5.1	5.1	2.8	4.1	13.3	10.4	11.8	16.8	12.6	14.6
16	7.4	4.8	6.1	7.7	4.2	6.0	14.3	10.1	11.8	17.2	14.4	15.9
17	7.6	6.5	7.1	9.2	5.4	7.4	12.8	10.8	11.9	18.1	15.3	16.7
18	9.4	7.6	8.4	9.5	6.6	8.2	11.4	10.1	10.7	18.8	16.7	17.6
19	8.5	6.9	7.4	9.7	7.1	8.6	11.6	9.6	10.6	19.1	16.9	17.7
20	7.3	5.9	6.6	9.3	5.9	7.8	13.4	10.8	11.8	18.7	15.7	17.2
21	6.5	5.2	5.8	8.9	7.3	7.7	12.1	10.7	11.3	18.8	16.0	17.4
22	6.0	4.0	4.8	8.8	6.1	7.3	16.0	11.1	13.2	17.7	16.4	17.1
23	4.4	3.2	3.8	7.3	5.8	6.6	16.4	14.2	15.2	18.2	16.7	17.3
24	5.6	3.0	4.3	8.0	6.6	7.2	17.7	14.2	15.7	18.4	16.7	17.3
25	5.7	5.0	5.3	8.6	6.2	7.4	16.7	13.0	14.9	17.2	15.6	16.4
26	7.9	4.4	5.9	9.5	6.1	7.9	14.7	13.3	13.9	18.2	15.2	16.5
27	6.9	5.3	6.2	9.5	6.1	8.0	15.4	12.9	14.0	19.1	15.6	17.2
28	8.1	6.4	7.1	10.2	6.2	8.5	14.6	11.7	13.5	19.5	16.0	17.7
29	---	---	---	9.7	6.9	8.3	12.8	11.0	11.8	20.4	16.9	18.5
30	---	---	---	11.1	7.3	9.4	15.6	11.8	13.5	20.9	17.6	19.1
31	---	---	---	10.8	8.2	9.7	---	---	---	20.5	18.3	19.3
MONTH	9.9	3.0	6.3	11.1	2.8	6.9	17.7	9.1	12.8	20.9	12.6	16.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.2	17.6	18.1	19.5	17.7	18.7	20.9	19.7	20.2	18.5	16.1	17.4
2	18.4	17.1	17.8	19.9	18.3	19.1	21.1	18.6	19.7	19.0	16.8	17.9
3	20.0	17.8	18.8	20.4	18.6	19.6	20.8	18.4	19.7	19.2	17.0	18.1
4	20.2	17.8	19.1	21.5	19.1	20.4	20.7	18.6	19.8	18.6	17.8	18.2
5	19.6	18.1	19.0	22.0	19.8	21.0	20.0	18.6	19.4	18.3	17.8	18.1
6	20.1	17.6	18.9	22.1	20.0	21.1	20.4	18.0	19.2	18.0	17.6	17.8
7	20.8	18.9	19.9	21.7	19.9	20.9	20.1	18.1	19.3	19.5	17.1	18.1
8	20.9	19.1	20.1	21.3	18.8	20.1	19.9	18.5	19.2	19.8	18.0	18.8
9	21.2	19.3	20.3	20.5	18.6	19.7	20.5	17.9	19.0	18.9	17.8	18.4
10	21.0	19.6	20.4	20.1	19.3	19.9	20.2	18.0	19.3	19.5	17.8	18.5
11	20.3	19.4	19.9	19.7	18.3	19.0	20.0	18.8	19.4	18.6	16.6	17.7
12	20.9	18.8	19.8	19.1	16.0	17.5	20.5	18.4	19.5	18.6	16.6	17.6
13	20.4	18.9	19.8	17.2	15.8	16.4	20.2	18.7	19.6	18.6	16.8	17.7
14	20.2	19.0	19.5	17.5	16.9	17.2	21.1	19.3	20.1	18.7	18.0	18.3
15	20.8	18.1	19.5	19.7	16.8	18.1	20.2	18.8	19.5	18.0	16.4	17.3
16	20.1	17.2	18.3	20.3	18.1	19.3	20.0	18.6	19.4	16.4	15.7	16.1
17	18.6	16.6	17.5	20.1	18.7	19.6	20.9	18.8	19.8	17.2	14.9	16.0
18	19.2	16.3	17.7	20.6	18.5	19.6	21.0	19.2	20.1	16.7	15.5	16.2
19	18.5	16.8	17.5	21.2	19.0	20.0	20.2	19.2	19.7	16.7	15.7	16.2
20	17.1	16.2	16.6	20.1	18.7	19.4	19.7	18.3	19.1	17.4	15.9	16.6
21	19.0	16.2	17.4	20.1	18.5	19.3	19.6	18.6	19.1	17.3	15.7	16.8
22	18.8	17.8	18.3	20.8	18.4	19.6	19.6	17.4	18.6	15.9	14.1	15.1
23	19.5	16.6	18.0	21.6	19.1	20.2	19.0	18.0	18.5	15.9	14.0	15.0
24	19.3	17.6	18.5	20.9	19.5	20.0	18.5	18.0	18.2	16.4	14.8	15.6
25	19.0	17.4	18.2	21.1	18.6	19.8	18.1	17.2	17.6	17.0	15.3	16.1
26	19.1	16.8	17.9	20.9	18.8	20.1	19.2	17.2	18.1	17.1	15.9	16.5
27	19.0	18.1	18.6	20.5	19.3	20.0	18.9	17.6	18.4	16.8	16.2	16.6
28	20.0	18.0	18.9	19.9	18.6	19.3	19.6	17.6	18.6	16.7	16.1	16.3
29	20.2	18.6	19.4	20.1	17.6	19.0	19.8	18.2	19.1	17.5	16.7	17.0
30	19.9	18.3	18.9	21.4	18.7	20.0	19.3	17.7	18.6	17.1	15.6	16.4
31	---	---	---	21.7	19.7	20.8	18.1	16.3	17.4	---	---	---
MONTH	21.2	16.2	18.8	22.1	15.8	19.5	21.1	16.3	19.1	19.8	14.0	17.1