

DELAWARE RIVER BASIN

01432160 DELAWARE RIVER AT BARRYVILLE, NY

LOCATION.--Lat 41°28'31", long 74°54'46", Pike County, Pa., Hydrologic Unit 02040104, at Shohola-Barryville Bridge at Barryville, just upstream from Halfway Brook, and 1,000 ft upstream from Shohola Creek.

DRAINAGE AREA.--2,659 mi².

PERIOD OF RECORD.--Water years 1958, 1968 to current year.

CHEMICAL DATA: 1958 (d), 1969 (a), 1973 (b), 1974 (d), 1975 (b).

NUTRIENT DATA: 1973 (b), 1974 (d), 1975 (b).

BACTERIA.--1973 (b), 1974 (d), 1975 (b).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1967 to September 1973, March 1975 to current year.

INSTRUMENTATION.--Water-temperature recorder since February 1994, provides 15-minute-interval readings. From March 1975 to February 1994, water-temperature recorder provided one-hour-interval readings. Prior to September 1973, water-temperature recorder provided continuous recordings.

REMARKS.--Unpublished records of daily temperatures for May to September 1964-66 are available in files of the Geological Survey. Temperature probe may be influenced by solar radiation during periods of low flow.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum (water years 1968-73, 1976-78, 1980-82, 1986-88, 1990-99), 32.0°C, July 20, 21, 1980; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 31.5°C, July 5, 6; minimum, 0.0°C on many days during winter period.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.5	13.5	17.0	9.5	8.5	9.0	7.0	5.5	6.0	1.0	.0	.5
2	16.0	13.5	15.0	9.5	8.0	9.0	6.5	4.0	5.5	1.0	.0	.5
3	15.0	13.5	14.5	8.5	7.5	8.0	7.0	5.0	6.0	.5	.0	.5
4	14.5	13.0	14.0	7.5	6.5	7.0	8.0	6.0	6.5	.5	.0	.5
5	15.0	12.0	13.5	7.5	6.0	7.0	7.5	6.5	7.0	.5	.0	.0
6	15.0	13.0	14.0	7.0	6.0	6.5	8.5	7.0	7.5	.5	.0	.0
7	14.0	13.0	13.5	7.0	5.5	6.0	9.5	7.5	8.5	.5	.0	.5
8	14.5	14.0	14.5	7.0	6.0	6.5	8.5	7.0	7.5	.5	.0	.5
9	14.5	14.0	14.5	7.5	6.0	6.5	7.5	5.5	6.5	.5	.0	.0
10	15.0	14.0	14.5	7.5	6.0	6.5	6.0	4.5	5.0	.5	.0	.0
11	15.0	14.0	14.5	8.5	7.0	8.0	5.0	3.0	4.5	.5	.0	.0
12	15.0	13.5	14.5	8.0	6.0	7.0	4.0	2.0	3.0	.5	.0	.0
13	16.0	14.5	15.0	7.0	6.0	6.5	3.0	1.5	2.0	.5	.0	.0
14	17.0	14.5	15.5	7.0	5.0	6.0	2.5	.5	1.5	.5	.0	.0
15	15.5	13.5	14.5	7.5	6.0	7.0	1.5	.0	1.0	.5	.0	.0
16	14.5	13.0	14.0	7.5	6.0	6.5	2.0	.0	1.0	.5	.0	.0
17	15.0	12.5	14.0	7.5	6.5	7.0	2.0	1.0	1.5	.5	.0	.0
18	16.5	12.5	14.5	7.0	5.5	6.0	1.5	.5	1.0	.5	.0	.0
19	16.0	14.0	15.0	6.0	4.5	5.5	2.0	.5	1.0	.5	.0	.0
20	14.5	13.0	13.5	6.0	5.0	5.5	3.0	1.5	2.0	.5	.0	.0
21	13.0	11.5	12.0	6.0	4.5	5.0	4.0	2.5	3.0	.5	.0	.0
22	11.5	10.0	10.5	5.5	4.5	5.0	5.0	1.5	3.5	1.0	.0	.5
23	10.5	9.0	10.0	6.0	4.0	5.0	2.0	.5	1.0	1.0	.0	.5
24	11.0	9.0	10.0	6.0	5.0	5.5	1.0	.0	.5	1.0	.0	.5
25	11.5	9.5	10.5	6.0	4.5	5.5	.5	.0	.0	1.5	.0	.5
26	12.5	10.5	11.5	6.5	5.0	5.5	1.0	.0	.5	2.0	.5	1.0
27	12.5	11.5	12.0	6.0	5.0	5.5	1.0	.0	.0	2.0	.0	1.0
28	12.5	11.5	12.0	6.0	4.0	5.0	.5	.0	.0	2.5	1.0	2.0
29	12.0	10.5	11.5	6.0	4.5	5.5	.5	.0	.0	2.5	1.0	2.0
30	11.0	9.5	10.0	7.5	6.0	6.5	.5	.0	.0	1.5	.5	1.0
31	10.0	8.5	9.5	---	---	---	1.0	.0	.5	.5	.0	.0
MONTH	18.5	8.5	13.0	9.5	4.0	6.5	9.5	.0	3.0	2.5	.0	.5

DELAWARE RIVER BASIN

01432160 DELAWARE RIVER AT BARRYVILLE, NY--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.0	.0	.5	3.5	2.0	2.5	8.5	7.0	8.0	16.5	11.5	14.5
2	2.0	.5	1.0	4.0	1.5	3.0	9.5	7.5	8.5	17.5	14.0	16.0
3	2.0	.5	1.5	4.5	2.0	3.5	11.0	8.0	9.5	16.0	13.5	15.0
4	2.5	1.0	2.0	5.0	2.0	3.5	11.0	9.0	10.0	15.0	12.5	13.5
5	2.5	1.0	2.0	3.0	1.0	2.0	11.0	8.5	9.5	17.5	13.0	15.0
6	2.0	1.0	1.5	2.5	1.0	2.0	11.0	8.0	9.5	17.5	14.5	16.0
7	2.0	1.0	1.5	2.0	.0	1.0	12.0	8.5	10.5	16.0	14.5	15.5
8	2.5	.5	1.5	2.0	.0	.5	13.0	9.0	11.0	16.0	14.0	15.0
9	2.5	.5	1.5	2.0	.0	.5	12.0	9.0	10.5	16.5	14.5	15.5
10	3.0	1.0	2.0	2.0	.0	1.0	11.0	8.5	9.5	17.5	14.0	16.0
11	4.0	1.0	2.5	2.5	.0	1.0	9.5	7.0	8.0	18.5	14.5	17.0
12	4.0	2.0	3.0	1.5	.0	1.0	9.0	6.5	7.5	19.0	16.0	17.5
13	3.5	1.5	2.5	3.0	.0	1.5	9.5	6.0	8.0	20.0	16.5	18.5
14	2.0	.5	1.0	3.0	.5	2.0	10.5	7.0	8.5	20.5	16.5	18.5
15	2.5	.0	1.0	3.5	1.0	2.5	10.5	7.5	9.0	21.0	17.0	19.0
16	3.0	.5	1.5	4.5	1.0	3.0	9.5	8.0	9.0	21.0	17.0	19.0
17	2.5	1.0	2.0	6.0	2.5	4.5	9.0	7.5	8.0	22.0	16.5	19.5
18	3.0	1.5	2.5	6.5	4.0	5.5	10.0	7.5	8.5	22.0	17.5	20.0
19	3.5	2.0	2.5	5.5	4.0	5.0	10.0	8.0	9.0	20.5	18.0	19.5
20	3.5	2.0	2.5	6.0	3.5	4.5	9.5	7.5	8.5	19.5	17.0	18.5
21	2.5	1.0	1.5	5.0	3.0	4.0	11.0	7.5	9.0	19.5	16.0	18.0
22	1.5	.0	.5	4.0	2.5	3.5	10.0	8.5	9.5	20.5	17.5	19.0
23	2.0	.0	1.0	4.5	1.5	3.0	10.0	8.5	9.5	19.5	17.5	18.0
24	2.5	.0	1.5	4.5	2.5	3.5	10.5	7.5	9.0	18.0	16.5	17.5
25	3.0	.5	1.5	5.0	3.0	4.0	11.5	7.5	9.5	16.5	14.5	15.5
26	3.5	1.0	2.5	5.5	3.0	4.5	12.0	8.5	10.5	15.0	13.5	14.0
27	3.0	1.0	2.0	6.5	4.0	5.0	13.0	9.0	11.0	16.5	13.0	14.5
28	3.0	1.5	2.5	6.0	5.0	5.5	13.0	9.5	11.5	17.5	14.0	15.5
29	---	---	---	8.5	5.5	7.0	14.5	10.0	12.5	19.5	15.0	17.5
30	---	---	---	8.5	6.5	7.5	15.0	11.0	13.0	21.5	17.0	19.5
31	---	---	---	9.0	6.5	7.5	---	---	---	23.0	19.0	21.5
MONTH	4.0	.0	1.5	9.0	.0	3.5	15.0	6.0	9.5	23.0	11.5	17.0
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.0	20.5	22.5	25.0	22.0	23.5	26.0	23.5	25.0	22.5	19.0	21.0
2	24.0	21.0	22.5	27.0	22.5	24.5	24.5	22.5	23.5	23.0	19.5	21.5
3	23.5	21.0	22.5	30.5	23.0	26.5	23.5	21.0	22.5	24.0	20.5	22.5
4	23.5	20.0	21.5	30.0	26.0	28.0	23.0	20.0	21.5	24.0	21.0	23.0
5	23.5	19.5	21.5	31.5	26.5	29.5	23.0	20.0	21.5	24.0	22.0	23.0
6	24.0	19.5	22.0	31.5	25.5	28.5	23.0	20.0	21.5	25.5	22.0	23.5
7	27.0	21.0	24.0	29.5	25.5	27.5	23.5	20.5	22.0	24.5	22.5	23.0
8	27.0	22.0	24.5	27.5	25.5	26.5	22.0	21.0	21.5	25.0	21.5	23.0
9	26.5	21.0	24.5	25.5	23.0	24.0	22.0	19.5	21.0	26.5	21.0	24.0
10	25.5	21.5	23.0	25.5	21.5	23.5	20.5	18.5	19.5	23.5	21.5	22.5
11	25.0	20.5	23.0	25.0	21.0	23.5	21.0	18.0	19.5	23.0	19.5	21.5
12	25.5	21.0	23.5	25.0	21.5	23.0	22.5	19.0	21.0	22.5	19.5	21.0
13	26.0	23.0	24.0	26.0	21.0	24.0	21.5	19.5	20.5	22.0	20.0	21.0
14	25.5	22.5	23.5	25.0	21.0	23.0	22.5	20.0	21.5	22.0	19.5	20.5
15	24.5	20.5	22.5	26.0	20.5	23.5	22.5	20.0	21.0	21.0	19.5	20.0
16	24.0	20.0	22.0	27.5	22.5	25.5	23.0	19.0	21.0	20.0	15.5	18.0
17	20.5	16.5	19.0	28.0	23.5	26.0	23.5	20.0	22.0	16.0	14.5	15.0
18	22.0	16.0	19.5	29.0	25.5	27.0	25.0	21.5	23.0	16.0	13.5	15.0
19	23.0	18.0	21.0	28.0	25.5	26.5	24.0	20.0	22.5	17.5	14.5	16.0
20	23.5	20.5	22.0	28.0	24.0	26.0	23.0	20.0	21.0	17.5	15.0	16.5
21	25.0	20.5	22.5	25.5	23.5	24.5	20.0	18.0	19.0	17.5	15.5	16.5
22	26.0	19.0	22.5	24.5	22.5	23.5	19.0	17.5	18.5	15.5	14.0	15.0
23	27.5	20.0	24.0	26.5	22.0	24.5	21.0	17.0	19.0	15.5	12.5	14.0
24	27.5	21.0	24.5	26.5	23.5	25.0	22.5	19.0	20.5	16.0	13.0	15.0
25	25.5	21.0	23.5	26.5	23.5	25.0	23.5	20.0	22.0	17.0	14.5	16.0
26	28.0	21.0	25.0	26.5	23.5	25.0	22.5	21.0	21.5	17.0	14.5	16.0
27	27.5	24.0	26.0	26.5	23.0	25.0	23.0	20.5	21.5	17.5	15.5	16.5
28	29.5	25.0	26.5	26.0	22.0	24.5	24.0	20.5	22.5	18.5	16.5	17.5
29	28.0	24.0	25.5	27.0	22.5	25.0	24.5	21.5	23.0	19.5	17.5	18.5
30	26.0	22.5	24.5	26.5	23.5	25.0	22.5	20.0	21.5	18.5	16.5	17.5
31	---	---	---	26.5	23.0	25.0	22.5	18.5	20.5	---	---	---
MONTH	29.5	16.0	23.0	31.5	20.5	25.0	26.0	17.0	21.5	26.5	12.5	19.0