

## 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 mi<sup>2</sup>.

**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). BIOLOGICAL DATA: 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 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**REMARKS.**--Unpublished records of daily temperatures for May to September 1964-66 are available in files of the Geological Survey. Interruptions of record were due to malfunction of recording instrument.

**EXTREMES FOR PERIOD OF DAILY RECORD.**--

WATER TEMPERATURES: Maximum (water years 1968-73, 1976-78, 1980-82, 1986-88, 1990-2002), 32.0°C, July 20, 21, 1980; minimum, 0.0°C on many days during winters.

**EXTREMES FOR CURRENT YEAR.**--

WATER TEMPERATURES: Maximum recorded, 25.5°C, July 8, 16, 17, but may have been higher during period of instrument malfunction; minimum, 0.0°C on many days during winter.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	16.0	17.5	6.5	5.0	6.0	3.0	0.5	2.0	2.0	1.0	1.5
2	21.5	17.5	19.0	6.0	4.5	5.0	3.0	0.5	2.0	2.0	0.5	1.5
3	---	---	---	5.5	4.0	4.5	2.5	0.0	0.5	1.5	0.0	0.5
4	---	---	---	5.5	3.5	4.5	1.5	0.0	0.0	1.5	0.0	0.5
5	---	---	---	5.5	4.0	5.0	1.0	0.0	0.0	1.5	0.0	1.0
6	---	---	---	6.5	5.0	5.5	1.5	0.0	0.5	1.5	0.0	1.0
7	---	---	---	6.0	4.5	5.0	1.0	0.0	0.0	1.5	0.0	0.5
8	---	---	---	6.5	3.5	5.0	0.5	0.0	0.0	1.5	0.0	0.5
9	---	---	---	6.5	4.5	5.5	0.5	0.0	0.0	2.0	0.5	1.5
10	---	---	---	8.0	5.5	6.5	0.5	0.0	0.0	2.0	0.5	1.5
11	---	---	---	10.0	7.5	9.0	0.5	0.0	0.0	1.0	0.0	0.5
12	---	---	---	9.5	9.0	9.5	1.5	0.0	0.5	0.5	0.0	0.0
13	14.5	13.5	14.0	9.5	8.0	9.0	1.5	0.0	1.0	0.5	0.0	0.0
14	14.0	12.0	13.0	8.5	7.0	7.5	2.0	0.0	1.5	0.5	0.0	0.0
15	12.0	11.0	11.5	8.0	7.0	7.5	2.0	0.5	1.0	0.5	0.0	0.0
16	11.5	10.5	11.0	7.5	6.0	7.0	2.0	0.5	1.0	0.5	0.0	0.0
17	11.0	10.0	10.5	6.5	5.5	6.0	1.0	0.0	0.5	0.5	0.0	0.0
18	11.0	9.5	10.0	6.0	5.0	5.5	0.5	0.0	0.0	0.5	0.0	0.0
19	10.0	9.0	9.5	5.5	4.0	5.0	2.0	0.0	0.5	0.5	0.0	0.0
20	10.5	8.5	9.5	5.5	4.0	5.0	2.0	0.5	1.5	0.5	0.0	0.0
21	10.0	8.5	9.5	5.5	4.5	5.0	2.0	0.0	0.5	0.5	0.0	0.0
22	9.5	7.5	8.5	6.0	5.0	5.5	2.0	0.0	0.5	0.5	0.0	0.0
23	9.5	8.0	8.5	6.0	4.0	5.0	2.5	0.5	1.5	0.5	0.0	0.0
24	8.5	7.0	8.0	5.0	3.5	4.5	2.5	1.0	1.5	0.5	0.0	0.0
25	8.5	7.5	8.0	5.5	3.5	4.5	2.0	0.0	0.5	0.5	0.0	0.0
26	9.0	7.5	8.0	5.5	3.5	4.5	1.0	0.0	0.0	0.5	0.0	0.0
27	9.0	7.5	8.0	5.0	3.0	4.0	1.5	0.0	0.5	0.5	0.0	0.0
28	8.5	7.5	8.0	4.0	1.0	2.5	1.5	0.0	0.5	0.5	0.0	0.0
29	8.0	6.5	7.0	2.5	1.0	2.0	2.0	0.0	1.0	0.5	0.0	0.0
30	7.0	6.0	6.5	3.0	1.5	2.0	1.5	0.0	0.5	0.5	0.0	0.0
31	7.0	5.0	6.0	---	---	---	2.5	0.5	1.5	0.5	0.0	0.0
MONTH	---	---	---	10.0	1.0	5.4	3.0	0.0	0.7	2.0	0.0	0.3

## DELAWARE RIVER BASIN

## 01432160 DELAWARE RIVER AT BARRYVILLE, NY--Continued

WATER TEMPERATURE, DEGREES CELSIUS, 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	1.0	0.0	0.0	1.0	0.0	0.5	4.0	2.0	3.0	14.5	11.5	13.0
2	1.0	0.0	0.5	1.5	0.0	0.5	4.5	2.0	3.5	15.0	13.5	14.5
3	2.0	0.0	1.0	1.0	0.0	0.0	5.5	4.0	4.5	14.5	13.0	13.5
4	1.5	0.0	1.0	1.5	0.0	0.5	5.0	3.5	4.5	14.0	11.0	12.5
5	1.0	0.0	0.0	2.0	0.0	1.0	4.0	2.5	3.5	13.0	11.0	12.0
6	1.0	0.0	0.0	1.5	0.0	0.5	4.5	2.0	3.5	11.5	10.0	10.5
7	1.0	0.0	0.0	1.5	0.0	0.5	4.0	2.5	3.5	13.0	9.5	11.5
8	0.5	0.0	0.0	1.5	0.0	0.5	3.0	2.0	2.5	13.5	12.5	13.0
9	1.0	0.0	0.0	1.5	0.0	0.5	3.5	2.0	3.0	14.5	13.0	13.5
10	1.0	0.0	0.0	1.5	0.0	0.0	5.5	3.0	4.5	15.5	13.0	14.0
11	0.5	0.0	0.0	1.5	0.0	0.5	5.5	4.5	5.0	15.5	14.0	15.0
12	0.5	0.0	0.0	2.0	0.0	0.5	8.5	4.5	6.5	14.5	13.5	14.0
13	0.5	0.0	0.0	1.5	0.0	1.0	9.5	6.5	8.0	13.5	12.0	13.0
14	0.5	0.0	0.0	2.0	0.0	1.0	9.5	6.5	8.0	13.0	11.5	12.5
15	1.0	0.0	0.0	3.0	0.0	1.5	11.0	7.0	9.0	13.0	11.0	12.0
16	0.5	0.0	0.0	3.0	0.5	2.0	12.5	9.0	11.0	13.0	12.0	12.5
17	0.5	0.0	0.0	2.5	0.5	1.5	11.0	8.5	10.0	14.5	12.0	13.0
18	1.0	0.0	0.0	2.5	0.0	1.0	8.5	6.5	7.5	16.5	13.0	14.5
19	1.5	0.0	0.5	1.5	0.0	0.5	10.0	6.0	8.0	18.0	14.0	16.0
20	2.0	0.0	1.0	2.5	1.0	1.5	11.5	8.0	10.0	18.0	14.5	16.5
21	2.0	0.0	0.5	3.0	1.0	2.0	12.0	9.5	10.5	16.5	15.0	16.0
22	1.5	0.5	1.0	4.5	2.5	3.5	11.5	9.5	10.5	15.5	13.5	14.5
23	1.5	0.0	1.0	4.5	3.5	4.0	10.5	7.5	9.0	14.0	13.0	13.5
24	1.0	0.0	0.0	5.0	3.0	4.0	10.0	6.5	8.0	14.0	12.5	13.5
25	1.0	0.0	0.0	6.0	4.0	5.0	11.0	7.0	9.0	15.0	13.0	14.0
26	1.0	0.0	0.0	6.0	4.5	5.5	11.0	9.0	10.0	15.0	13.5	14.5
27	1.5	0.0	0.0	6.0	4.0	5.0	13.0	10.0	11.0	16.0	13.5	14.5
28	1.5	0.0	0.5	7.0	4.5	5.5	14.0	11.0	12.5	17.0	14.5	15.5
29	---	---	---	7.5	6.0	7.0	13.5	12.0	13.0	18.0	15.0	16.5
30	---	---	---	7.5	4.5	6.0	13.0	11.5	12.5	19.0	16.0	17.5
31	---	---	---	5.0	3.0	4.0	---	---	---	18.0	16.5	17.5
MONTH	2.0	0.0	0.2	7.5	0.0	2.2	14.0	2.0	7.5	19.0	9.5	14.0
	JUNE			JULY			AUGUST			SEPTEMBER		
1	16.5	13.0	15.0	21.5	17.5	19.5	---	---	---	20.5	18.5	19.5
2	14.5	12.5	13.5	21.5	18.0	20.0	---	---	---	18.5	16.5	17.0
3	14.5	13.0	13.5	23.0	19.5	21.0	---	---	---	16.5	16.0	16.5
4	14.0	12.5	13.0	24.0	20.5	22.5	---	---	---	16.5	16.0	16.5
5	14.5	12.5	13.5	25.0	21.0	23.0	---	---	---	17.5	16.0	17.0
6	16.0	13.5	14.5	25.0	22.0	23.5	---	---	---	18.5	17.0	17.5
7	15.0	14.0	14.5	25.0	21.0	23.5	---	---	---	19.0	17.5	18.0
8	14.5	13.5	14.0	25.5	22.0	24.0	---	---	---	19.5	18.0	18.5
9	16.5	14.0	15.0	24.5	23.0	24.0	---	---	---	19.5	18.5	19.0
10	18.5	14.5	16.5	23.5	20.5	22.0	---	---	---	19.5	18.0	18.5
11	17.5	16.5	17.0	22.0	19.5	20.5	---	---	---	19.5	18.0	19.0
12	17.5	16.0	16.5	22.0	19.5	20.5	---	---	---	19.5	18.0	18.5
13	16.5	15.5	16.0	23.0	19.5	21.0	---	---	---	18.5	17.5	18.0
14	18.0	15.5	16.5	23.5	20.0	21.5	---	---	---	20.0	17.5	19.0
15	19.0	16.5	17.5	24.5	19.5	22.0	---	---	---	20.0	19.0	19.5
16	18.5	16.0	17.5	25.5	21.5	23.5	---	---	---	19.5	18.5	19.0
17	19.0	16.5	17.5	25.5	21.0	23.0	---	---	---	19.5	18.0	18.5
18	18.0	16.5	17.0	---	---	---	---	---	---	18.5	17.5	18.0
19	18.5	16.0	17.0	---	---	---	---	---	---	19.0	17.5	18.5
20	18.0	16.0	17.0	---	---	---	---	---	---	19.5	18.0	18.5
21	16.5	15.0	16.0	---	---	---	---	---	---	19.5	18.0	18.5
22	15.5	14.5	15.0	---	---	---	25.0	22.0	23.5	18.5	17.5	18.0
23	18.0	14.5	16.0	---	---	---	24.5	22.0	23.0	18.5	17.0	18.0
24	19.5	16.5	17.5	---	---	---	22.5	20.5	22.0	17.0	16.5	17.0
25	20.5	17.0	18.5	---	---	---	23.0	21.0	22.0	17.0	16.0	16.5
26	21.5	18.5	20.0	---	---	---	23.0	21.0	22.0	17.0	16.0	16.5
27	22.0	19.5	20.5	---	---	---	24.0	21.0	22.5	18.0	17.0	17.5
28	21.5	19.0	20.5	---	---	---	24.5	20.5	22.5	17.5	16.5	17.0
29	20.5	18.0	19.5	---	---	---	24.5	21.5	23.0	16.5	15.5	16.0
30	20.5	18.5	19.5	---	---	---	23.0	20.5	22.0	15.5	14.5	15.0
31	---	---	---	---	---	---	21.5	19.5	20.5	---	---	---
MONTH	22.0	12.5	16.5	---	---	---	---	---	---	20.5	14.5	17.8