

## 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).  
**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 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**REMARKS.**--Unpublished records of daily temperatures for May to September 1964-66 are available in files of the Geological Survey.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, 1990-2001), 32.0°C, July 20, 21, 1980; minimum, 0.0°C on many days during winters.

**EXTREMES FOR CURRENT YEAR.**--  
**WATER TEMPERATURES:** Maximum, 31.0°C, July 25; minimum, 0.0°C on many days during winter.

## WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16.5	14.0	15.0	7.5	6.0	7.0	3.5	2.0	3.0	.5	.0	.0
2	16.5	15.0	16.0	8.0	6.0	7.0	2.5	.5	1.5	.5	.0	.0
3	17.5	15.0	16.5	8.5	6.0	7.5	1.0	.0	.5	.5	.0	.0
4	17.0	15.5	16.5	9.5	7.5	8.5	1.0	.0	.5	.5	.0	.0
5	16.5	15.0	16.0	8.5	7.0	8.0	1.0	.0	.5	.5	.0	.5
6	16.0	15.0	15.5	7.5	6.0	7.0	1.0	.0	.5	.5	.0	.0
7	15.0	12.5	14.0	8.0	6.0	7.0	1.0	.0	.5	.5	.0	.0
8	13.0	10.0	11.0	7.5	6.0	7.0	.5	.0	.5	.5	.0	.0
9	10.5	9.0	9.5	8.5	7.0	7.5	.5	.0	.5	.5	.0	.0
10	9.5	7.5	8.5	9.5	8.0	9.0	1.0	.0	.5	.5	.0	.0
11	10.0	7.5	8.5	9.5	8.5	9.0	1.0	.0	.5	.5	.0	.0
12	11.0	8.5	9.5	9.0	8.0	8.5	1.0	.0	.5	.5	.0	.0
13	11.5	9.5	10.5	8.5	7.5	8.0	1.0	.0	.5	.5	.0	.0
14	13.0	10.5	12.0	8.5	7.0	8.0	.5	.0	.5	.5	.0	.0
15	14.0	11.5	13.0	7.5	6.0	6.5	1.0	.0	.5	.5	.0	.0
16	14.0	12.5	13.5	6.5	5.0	6.0	.5	.0	.5	.5	.0	.0
17	13.0	11.5	12.5	6.0	5.0	5.5	1.5	.0	.5	.5	.0	.0
18	12.5	11.5	12.0	5.0	3.5	4.5	2.5	.5	1.5	.5	.0	.0
19	12.0	10.5	11.5	4.5	3.0	4.0	1.5	.5	1.0	.5	.0	.0
20	12.0	10.0	11.0	3.5	2.0	3.0	1.5	.0	.5	.5	.0	.0
21	12.5	10.0	11.5	3.0	1.5	2.0	1.0	.0	.5	.5	.0	.0
22	12.0	10.5	11.5	2.0	.5	1.0	1.0	.0	.5	.5	.0	.0
23	11.5	9.5	10.5	1.0	.0	.5	.5	.0	.0	.5	.0	.0
24	11.5	9.0	10.5	1.0	.0	.5	.5	.0	.0	.5	.0	.0
25	12.5	10.0	11.5	1.0	.0	.5	.5	.0	.0	.5	.0	.0
26	13.0	11.0	12.0	1.0	.0	.5	.5	.0	.0	.5	.0	.0
27	13.0	11.5	12.5	2.5	.5	1.0	.5	.0	.0	.5	.0	.0
28	13.0	10.5	12.0	3.5	2.0	3.0	.5	.0	.0	.5	.0	.0
29	10.5	7.5	9.0	3.5	2.0	3.0	.5	.0	.5	.5	.0	.0
30	8.0	6.5	7.5	4.0	3.0	3.5	.5	.0	.0	.5	.0	.0
31	8.0	6.0	7.0	---	---	---	.5	.0	.0	.5	.0	.0
MONTH	17.5	6.0	12.0	9.5	.0	5.0	3.5	.0	.5	.5	.0	.0

## DELAWARE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	<b>FEBRUARY</b>			<b>MARCH</b>			<b>APRIL</b>			<b>MAY</b>		
1	.5	.0	.0	1.0	.0	.5	3.0	1.5	2.5	17.5	12.0	14.5
2	.5	.0	.0	1.5	.0	1.0	3.5	2.5	3.0	18.5	14.0	16.5
3	.5	.0	.0	2.5	.5	1.5	5.0	2.5	3.5	20.0	15.5	18.0
4	.5	.0	.0	2.0	.0	1.0	5.5	3.0	4.5	21.5	17.0	19.0
5	.5	.0	.0	.5	.0	.0	6.5	3.5	5.0	20.0	17.5	19.0
6	.5	.0	.0	2.0	.0	.5	6.0	4.0	4.5	19.5	16.5	18.0
7	.5	.0	.0	2.5	.5	1.5	5.0	4.0	4.5	19.5	16.0	17.5
8	.5	.0	.0	2.5	.5	1.5	5.0	4.0	4.5	19.0	15.0	17.5
9	.5	.0	.0	2.5	.5	1.5	6.5	3.5	5.0	20.5	16.0	18.0
10	.5	.0	.0	2.5	.5	1.5	6.5	5.5	6.0	21.0	16.0	18.5
11	.5	.0	.0	2.0	.0	1.0	6.0	5.0	5.5	22.5	17.5	20.0
12	.5	.0	.0	3.5	.0	1.5	6.0	5.0	5.5	23.0	18.5	20.5
13	.5	.0	.0	3.0	1.5	2.0	7.5	5.5	6.5	20.5	17.0	18.5
14	.5	.0	.0	3.0	1.0	2.0	8.5	6.0	7.0	19.5	14.5	17.0
15	1.0	.0	.5	3.0	.5	2.0	8.0	6.5	7.5	20.0	13.0	16.5
16	.5	.0	.5	3.5	1.0	2.0	8.0	7.0	7.5	21.5	14.0	17.0
17	1.0	.0	.5	3.0	1.5	2.0	7.5	6.5	7.0	17.0	15.5	16.5
18	.5	.0	.0	3.0	1.0	2.0	8.0	5.5	6.5	16.0	14.5	15.5
19	.5	.0	.0	4.0	.5	2.5	8.0	5.0	6.5	19.5	14.5	17.0
20	1.5	.0	.5	4.5	.5	2.5	8.0	5.5	6.5	18.5	16.5	17.5
21	1.5	.0	1.0	3.5	1.5	2.0	9.0	7.0	8.0	17.0	15.5	16.5
22	.5	.0	.0	2.5	1.5	2.0	13.0	9.0	10.5	16.0	15.0	15.5
23	.5	.0	.0	4.0	1.0	2.5	14.5	12.0	13.0	16.0	15.0	15.5
24	1.0	.0	.5	3.5	2.0	3.0	15.5	13.0	14.0	18.0	15.0	16.5
25	1.0	.0	.5	3.0	1.0	2.5	13.5	11.0	12.5	17.5	15.5	16.5
26	2.0	.5	1.0	3.0	1.0	2.0	13.0	9.5	11.5	16.0	15.0	15.5
27	2.0	.0	1.0	3.0	.5	1.5	13.0	9.5	11.5	16.5	15.0	15.5
28	1.5	.0	1.0	4.0	1.0	2.5	13.5	10.0	12.0	17.5	15.0	16.0
29	---	---	---	3.5	2.0	2.5	14.0	10.0	12.5	17.5	15.0	16.5
30	---	---	---	3.0	2.0	2.5	15.0	11.0	13.0	17.0	15.0	16.0
31	---	---	---	2.5	1.0	2.0	---	---	---	17.0	13.5	15.5
MONTH	2.0	.0	.0	4.5	.0	2.0	15.5	1.5	7.5	23.0	12.0	17.0
	<b>JUNE</b>			<b>JULY</b>			<b>AUGUST</b>			<b>SEPTEMBER</b>		
1	16.0	14.0	15.5	27.0	23.5	25.0	26.5	21.0	24.0	21.5	20.0	20.5
2	16.0	14.5	15.0	24.0	21.0	22.5	27.5	22.0	25.0	20.5	18.0	19.5
3	16.5	14.5	15.5	22.0	18.5	20.5	29.0	22.5	25.0	20.5	18.0	19.5
4	16.0	14.5	15.5	24.0	19.0	21.5	27.0	22.5	25.0	20.0	18.5	19.0
5	17.5	14.5	16.0	25.5	21.5	23.0	28.0	24.0	26.0	20.5	17.5	19.0
6	18.5	15.5	17.0	23.0	19.5	21.5	29.0	25.0	27.0	20.5	17.5	19.0
7	20.0	16.0	18.0	25.0	17.5	21.0	29.0	23.5	26.5	21.0	18.0	19.5
8	20.5	17.0	19.0	23.5	21.5	22.5	30.0	23.5	26.5	21.5	18.0	20.0
9	21.5	17.5	19.5	26.5	21.0	23.5	30.0	23.5	27.0	22.0	19.5	21.0
10	21.5	18.5	20.0	26.5	20.5	24.0	28.5	24.5	26.5	22.0	20.0	21.0
11	20.5	18.0	20.0	26.0	21.0	24.0	27.0	23.0	24.5	21.5	19.0	20.5
12	22.5	17.0	20.0	24.0	20.5	22.5	24.5	23.0	23.5	21.0	18.0	20.0
13	24.5	19.0	22.0	22.0	19.0	21.0	24.5	22.5	23.5	21.5	18.5	20.0
14	25.5	20.5	23.5	24.0	18.0	21.0	25.0	21.5	23.5	20.5	17.5	19.0
15	27.0	21.0	24.5	24.0	19.5	22.0	26.0	21.5	23.5	18.5	16.0	17.5
16	26.5	21.5	24.0	27.0	20.5	23.5	25.5	21.5	23.5	18.0	15.5	17.0
17	24.5	20.5	22.5	24.5	20.5	22.5	25.0	22.5	23.5	18.5	16.0	17.5
18	24.0	19.5	21.5	28.0	20.0	23.5	24.0	21.0	23.0	18.5	16.5	17.5
19	24.5	20.0	22.5	27.0	21.0	24.0	24.5	21.5	23.0	19.5	17.0	18.5
20	25.5	21.5	23.5	28.0	20.5	24.0	25.5	22.0	23.5	19.0	18.0	18.0
21	23.5	21.0	22.0	28.0	21.0	25.0	24.5	21.5	23.0	20.0	17.5	18.5
22	22.5	19.5	21.0	27.0	23.5	25.5	25.0	21.0	23.0	20.0	18.0	19.0
23	22.0	19.5	21.0	29.5	23.5	26.0	23.0	20.5	21.5	22.5	18.0	19.5
24	23.0	18.5	21.0	30.5	22.0	26.0	23.0	19.5	21.5	21.0	18.5	19.5
25	24.0	19.0	21.5	31.0	23.5	26.5	22.5	20.0	21.5	20.5	18.0	19.5
26	25.5	20.5	23.5	27.0	23.0	25.0	22.5	20.0	21.0	18.5	16.5	17.5
27	26.5	20.5	24.0	26.5	21.0	23.5	21.5	20.5	21.0	17.0	15.0	16.0
28	27.0	21.5	24.5	25.5	20.5	23.0	23.0	19.5	21.0	16.0	14.5	15.0
29	27.5	22.0	25.0	24.0	22.0	23.0	22.5	19.5	21.0	17.5	13.5	15.0
30	28.0	23.0	25.5	25.5	21.0	23.5	21.0	19.5	20.0	15.5	13.0	14.0
31	---	---	---	25.5	20.0	23.0	22.0	19.0	20.5	---	---	---
MONTH	28.0	14.0	21.0	31.0	17.5	23.5	30.0	19.0	23.5	22.5	13.0	18.5