



Water-Data Report 2006

## 01432160 DELAWARE RIVER AT BARRYVILLE, NY

Upper Delaware Basin  
Middle Delaware-Mongaup-Brodhead Subbasin

LOCATION.--Lat 41°28'31", long 74°54'46" referenced to North American Datum of 1927, 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>.

### WATER-QUALITY RECORDS

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 TEMPERATURE: 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REMARKS.--Unpublished records of daily temperatures for May to September 1964-66 are available in files of the Geological Survey. Interruption of record was due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum (water years 1968-73, 1976-78, 1980-82, 1986-88, 1990-2002, 2004-06), 32.0°C, July 20, 21, 1980; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.0°C, Aug. 2, 3; minimum, 0.0°C on many days during winter period.

## 01432160 DELAWARE RIVER AT BARRYVILLE, NY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	16.0	14.0	15.0	10.0	8.5	9.0	7.5	6.0	6.5	1.5	1.0	1.5
<b>2</b>	16.5	14.5	15.5	10.0	9.5	9.5	6.5	5.0	5.5	2.0	1.5	2.0
<b>3</b>	17.5	15.5	16.5	9.5	8.5	9.0	5.0	3.5	4.0	2.0	1.5	1.5
<b>4</b>	18.0	16.5	17.0	10.0	9.0	9.5	3.5	3.0	3.0	2.0	1.5	2.0
<b>5</b>	18.5	16.5	17.5	10.5	9.5	10.0	3.0	2.5	2.5	2.5	2.0	2.0
<b>6</b>	19.0	17.5	18.5	11.5	10.0	10.5	3.0	2.5	2.5	2.5	2.0	2.5
<b>7</b>	19.0	18.5	19.0	11.5	10.5	11.0	2.5	1.5	2.0	2.0	1.5	1.5
<b>8</b>	19.0	17.0	18.0	10.5	9.5	10.0	1.5	1.0	1.5	2.0	1.0	1.5
<b>9</b>	17.0	15.5	16.0	10.0	9.0	9.5	1.5	0.5	1.0	2.0	1.5	1.5
<b>10</b>	16.0	15.0	15.5	9.5	8.5	9.5	1.5	1.0	1.0	2.5	2.0	2.0
<b>11</b>	15.5	15.0	15.5	8.5	7.5	8.0	1.5	0.5	1.0	2.5	2.0	2.0
<b>12</b>	15.5	14.5	15.0	7.5	7.0	7.0	1.5	1.0	1.0	3.0	2.5	2.5
<b>13</b>	14.5	13.5	14.0	7.0	6.0	6.5	1.0	0.5	0.5	3.0	2.5	2.5
<b>14</b>	14.0	13.5	14.0	7.5	6.5	7.0	1.0	0.5	0.5	3.5	2.5	3.0
<b>15</b>	15.0	14.0	14.5	8.0	7.5	7.5	0.5	0.0	0.5	3.0	0.5	2.0
<b>16</b>	14.5	13.5	14.0	9.0	8.0	8.5	1.0	0.5	0.5	0.5	0.0	0.0
<b>17</b>	13.5	12.0	13.0	9.0	8.0	8.5	1.0	0.5	0.5	0.5	0.0	0.0
<b>18</b>	12.5	12.0	12.5	8.0	6.5	7.0	1.0	0.5	0.5	2.0	0.5	1.5
<b>19</b>	13.0	11.5	12.0	6.5	5.0	5.5	1.0	0.5	0.5	2.0	1.5	1.5
<b>20</b>	12.5	11.5	12.0	5.0	4.5	4.5	0.5	0.0	0.5	2.5	2.0	2.0
<b>21</b>	12.0	11.0	11.5	4.5	4.0	4.5	0.5	0.0	0.5	3.5	2.5	3.0
<b>22</b>	11.5	10.5	11.0	6.0	4.5	5.5	0.5	0.0	0.5	3.0	2.0	2.5
<b>23</b>	11.0	9.5	10.5	5.0	3.5	4.0	1.0	0.5	0.5	2.0	1.0	1.5
<b>24</b>	9.5	9.0	9.5	3.5	3.0	3.5	1.0	0.5	1.0	2.0	1.0	1.5
<b>25</b>	9.5	8.0	9.0	3.0	1.5	2.5	1.0	0.5	1.0	2.5	1.5	2.0
<b>26</b>	8.5	8.0	8.5	2.0	1.5	1.5	1.5	1.0	1.0	2.0	0.5	1.5
<b>27</b>	8.5	8.0	8.5	2.0	1.0	1.5	1.5	1.0	1.0	1.0	0.0	0.5
<b>28</b>	8.5	8.0	8.5	2.5	2.0	2.0	1.5	1.0	1.0	1.5	0.0	1.0
<b>29</b>	8.5	8.0	8.0	6.0	2.5	4.5	1.5	1.0	1.5	1.5	1.0	1.0
<b>30</b>	9.0	8.0	8.5	7.5	6.0	7.0	1.5	1.0	1.5	2.0	1.0	1.5
<b>31</b>	9.5	8.5	9.0	---	---	---	1.5	1.0	1.0	2.5	2.0	2.0
<b>Month</b>	19.0	8.0	13.1	11.5	1.0	6.8	7.5	0.0	1.5	3.5	0.0	1.7

## 01432160 DELAWARE RIVER AT BARRYVILLE, NY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	2.0	2.0	2.0	0.5	0.0	0.5	11.0	10.5	11.0	14.0	11.5	13.0
2	2.0	1.5	2.0	0.5	0.0	0.0	12.5	10.0	11.0	14.5	12.5	13.5
3	3.5	2.0	3.0	0.5	0.0	0.0	11.5	9.5	10.0	15.5	13.0	14.0
4	3.5	3.0	3.5	0.5	0.0	0.0	9.5	8.5	9.0	17.0	14.0	15.5
5	3.5	3.0	3.5	1.0	0.0	0.5	8.5	7.5	8.0	17.5	15.0	16.5
6	3.0	2.0	2.5	1.0	0.0	0.5	8.0	7.0	7.5	17.5	15.5	16.5
7	2.5	1.5	2.0	1.5	0.0	1.0	7.0	6.0	6.5	16.5	14.0	15.5
8	2.0	1.0	1.5	2.0	0.0	1.0	6.5	5.5	6.0	16.5	14.5	15.5
9	1.5	0.5	1.0	2.0	1.5	2.0	7.5	4.5	6.0	15.5	13.5	14.5
10	1.0	0.5	1.0	4.0	1.5	2.5	9.5	6.0	7.5	17.0	13.5	15.0
11	1.5	0.5	1.0	4.0	2.5	3.5	10.5	7.5	9.0	15.5	14.0	14.5
12	1.0	0.5	1.0	5.0	4.0	4.5	12.0	9.5	11.0	16.0	13.5	14.5
13	1.0	0.0	0.5	7.0	5.0	6.0	13.5	11.0	12.5	17.5	15.0	16.5
14	1.5	0.0	0.5	8.0	6.5	7.0	13.0	12.5	12.5	16.5	14.5	15.5
15	2.5	0.5	1.5	6.5	4.0	5.0	14.5	12.0	13.0	14.5	13.0	14.0
16	3.5	1.5	2.5	4.5	3.0	3.5	14.5	12.5	13.5	13.5	12.5	13.0
17	4.0	3.0	3.5	4.0	2.5	3.5	14.0	11.5	13.0	---	12.5	---
18	3.0	0.5	2.0	3.5	2.0	3.0	15.0	12.0	13.5	---	---	---
19	1.0	0.0	0.0	3.0	1.5	2.5	15.5	13.0	14.5	---	---	---
20	0.5	0.0	0.0	3.0	1.5	2.5	16.5	14.0	15.5	---	---	---
21	1.0	0.0	0.5	3.0	1.0	2.0	16.5	14.5	15.5	---	---	---
22	1.5	0.0	0.5	3.0	2.0	2.5	15.5	11.5	13.0	---	---	---
23	1.5	0.0	1.0	4.0	2.0	3.0	11.5	9.0	10.0	---	---	---
24	1.5	0.0	1.0	4.0	3.0	3.5	10.0	9.0	9.5	---	---	---
25	1.0	0.0	0.5	4.5	3.5	4.0	11.5	9.5	10.5	---	---	---
26	0.5	0.0	0.0	5.5	4.5	5.0	11.0	9.5	10.5	---	---	---
27	0.5	0.0	0.0	6.5	4.5	5.5	11.5	9.5	10.5	---	---	---
28	0.5	0.0	0.0	7.0	5.0	6.5	12.0	9.5	10.5	---	---	---
29	---	---	---	8.0	6.0	7.0	12.5	9.5	11.0	---	---	---
30	---	---	---	9.0	6.5	8.0	13.0	10.5	12.0	---	---	---
31	---	---	---	11.0	8.0	9.5	---	---	---	---	---	---
Month	4.0	0.0	1.4	11.0	0.0	3.4	16.5	4.5	10.8	---	---	---

## 01432160 DELAWARE RIVER AT BARRYVILLE, NY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	29.0	24.0	27.0	19.0	18.0	18.5
2	---	---	---	---	---	---	30.0	26.5	28.5	18.0	17.0	17.5
3	---	---	---	---	---	---	30.0	27.5	28.5	17.5	16.5	17.0
4	---	---	---	---	---	---	28.5	25.0	27.5	18.0	16.5	17.0
5	---	---	---	---	---	---	27.5	24.5	26.0	17.5	17.0	17.0
6	---	---	---	---	---	---	26.5	24.5	26.0	18.5	17.0	17.5
7	---	---	---	---	---	---	27.0	25.0	26.0	19.5	17.0	18.5
8	---	---	---	---	---	---	27.0	24.5	26.0	21.0	18.0	19.5
9	---	---	---	---	---	---	26.0	23.0	24.5	21.0	19.0	20.0
10	---	---	---	---	---	---	26.0	23.5	24.5	20.5	19.5	20.0
11	---	---	---	---	---	---	25.5	22.0	24.0	19.5	18.5	19.0
12	---	---	---	---	---	---	24.0	21.0	22.5	19.5	17.5	18.5
13	---	---	---	---	---	---	23.5	21.5	22.5	18.5	17.0	17.5
14	---	---	---	---	---	---	24.0	21.5	23.0	18.0	17.5	17.5
15	---	---	---	---	---	---	25.0	23.0	24.0	17.5	17.0	17.5
16	---	---	---	---	---	---	25.0	22.0	23.5	18.0	16.5	17.0
17	---	---	---	27.0	---	---	24.5	22.0	23.5	19.0	17.5	18.0
18	---	---	---	27.5	24.5	26.0	25.0	22.5	23.5	20.0	18.0	19.0
19	---	---	---	27.5	25.0	26.0	24.0	22.5	23.0	19.5	18.5	19.0
20	---	---	---	27.5	24.0	26.0	24.5	22.5	23.5	18.5	17.5	18.0
21	---	---	---	27.0	24.0	25.5	23.5	21.5	22.0	17.5	16.0	17.0
22	---	---	---	26.0	24.5	25.0	23.0	19.5	21.5	17.5	15.5	16.5
23	---	---	---	25.5	23.5	24.5	23.5	21.5	22.5	17.5	16.0	16.5
24	---	---	---	25.5	23.0	24.5	23.0	21.5	22.5	17.5	16.5	17.0
25	---	---	---	25.0	22.5	24.0	22.5	21.5	22.0	17.5	16.5	17.0
26	---	---	---	26.5	22.5	24.5	21.5	20.0	20.5	17.5	15.5	16.5
27	---	---	---	27.0	23.5	25.5	20.0	18.0	19.0	17.0	15.0	16.0
28	---	---	---	26.5	24.0	25.0	19.0	17.5	18.5	16.5	15.0	16.0
29	---	---	---	27.5	23.5	25.5	19.0	18.5	18.5	16.0	14.0	15.5
30	---	---	---	28.0	25.5	26.5	19.0	18.0	18.5	14.0	13.5	13.5
31	---	---	---	27.5	24.5	26.0	20.0	18.5	19.0	---	---	---
Month	---	---	---	---	---	---	30.0	17.5	23.3	21.0	13.5	17.5