

Water-Data Report 2007

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REMARKS.--Unpublished records of daily temperatures for May to September 1964-66 are available in files of the Geological Survey.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

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum (water years 1968-73, 1976-78, 1980-82, 1986-88, 1990-2002, 2004-07), 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. 1; minimum, 0.0°C on many days during winter period.

## 01432160 DELAWARE RIVER AT BARRYVILLE, NY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	14.5	13.5	14.0	9.5	8.5	9.0	---	---	---	---	---	---
2	14.5	13.5	14.0	10.0	9.5	9.5	---	---	---	---	---	---
3	15.0	13.5	14.5	9.5	9.0	9.5	---	---	---	---	---	---
4	16.0	14.5	15.5	9.0	8.0	8.5	---	---	---	---	---	---
5	16.0	15.0	15.5	8.0	7.5	8.0	---	---	---	---	---	---
6	15.0	13.5	14.0	7.5	7.0	7.5	---	---	---	---	---	---
7	13.5	12.5	13.0	7.5	7.0	7.5	---	---	---	---	---	---
8	14.5	12.0	13.0	8.0	7.5	7.5	---	---	---	---	---	---
9	15.0	13.0	14.0	9.0	8.0	8.5	---	---	---	---	---	---
10	15.0	13.5	14.5	9.0	9.0	9.0	---	---	---	---	---	---
11	15.0	14.0	14.5	9.0	8.5	9.0	---	---	---	---	---	---
12	14.5	13.5	14.0	9.0	9.0	9.0	---	---	---	---	---	---
13	13.5	12.0	12.5	9.0	9.0	9.0	---	---	---	---	---	---
14	12.0	10.5	11.0	9.5	9.0	9.0	---	---	---	---	---	---
15	10.5	9.0	9.5	10.0	9.5	9.5	---	---	---	---	---	---
16	9.0	8.0	8.5	10.5	10.0	10.0	---	---	---	---	---	---
17	9.5	8.5	9.0	11.0	10.5	11.0	---	---	---	---	---	---
18	11.5	9.5	10.0	11.0	9.5	10.5	---	---	---	---	---	---
19	12.5	11.5	12.0	9.5	8.0	9.0	---	---	---	---	---	---
20	12.5	11.5	12.5	8.0	7.0	7.5	---	---	---	---	---	---
21	11.5	10.0	10.5	7.0	6.5	7.0	---	---	---	---	---	---
22	10.0	9.5	10.0	6.5	6.0	6.0	---	---	---	---	---	---
23	10.0	9.0	9.5	6.5	6.0	6.0	---	---	---	---	---	---
24	9.0	8.0	8.5	6.0	6.0	6.0	---	---	---	---	---	---
25	8.0	7.5	8.0	6.0	6.0	6.0	---	---	---	---	---	---
26	8.0	7.0	7.5	6.0	6.0	6.0	---	---	---	---	---	---
27	7.5	6.5	7.0	7.0	---	---	---	---	---	---	---	---
28	8.5	7.0	8.0	---	---	---	---	---	---	---	---	---
29	8.5	7.5	8.0	---	---	---	---	---	---	---	---	---
30	8.5	7.0	7.5	---	---	---	---	---	---	---	---	---
31	9.0	7.5	8.0	---	---	---	---	---	---	---	---	---
<b>Month</b>	16.0	6.5	11.2	---	---	---	---	---	---	---	---	---

01432160 DELAWARE RIVER AT BARRYVILLE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	2.0	0.5	1.0	5.0	4.5	4.5	---	---	---
2	---	---	---	2.0	1.5	1.5	5.5	4.5	5.0	---	---	---
3	---	---	---	1.5	0.5	1.0	8.0	5.5	6.5	---	---	---
4	---	---	---	1.0	0.5	0.5	6.0	4.5	5.5	---	---	---
5	---	---	---	1.0	0.0	0.5	---	---	---	---	---	---
6	---	---	---	0.0	0.0	0.0	---	---	---	---	---	---
7	---	---	---	0.5	0.0	0.0	---	---	---	---	---	---
8	---	---	---	0.5	0.0	0.0	---	---	---	---	---	---
9	---	---	---	0.5	0.0	0.5	---	---	---	---	---	---
10	---	---	---	1.0	0.0	0.5	---	---	---	---	---	---
11	---	---	---	1.0	0.5	0.5	---	---	---	---	---	---
12	---	---	---	1.5	0.0	1.0	---	---	---	---	---	---
13	---	0.0	---	1.5	0.5	1.0	---	---	---	---	---	---
14	0.0	0.0	0.0	2.0	0.5	1.5	---	---	---	18.0	---	---
15	0.0	0.0	0.0	1.0	0.0	0.5	---	---	---	19.0	16.0	17.5
16	0.0	0.0	0.0	0.5	0.0	0.0	---	---	---	19.0	18.5	19.0
17	0.0	0.0	0.0	0.5	0.0	0.0	---	---	---	19.0	17.0	18.0
18	0.0	0.0	0.0	1.5	0.0	0.5	---	---	---	17.5	15.5	16.0
19	0.0	0.0	0.0	1.0	0.0	0.5	---	---	---	15.5	14.0	14.5
20	0.0	0.0	0.0	3.0	1.0	2.0	---	---	---	16.5	13.5	15.0
21	0.0	0.0	0.0	3.5	1.5	2.5	---	---	---	17.5	14.5	16.0
22	0.0	0.0	0.0	5.0	3.0	3.5	---	---	---	18.0	15.0	16.5
23	0.0	0.0	0.0	4.5	2.5	3.5	---	---	---	19.0	16.5	18.0
24	0.0	0.0	0.0	3.5	2.0	3.0	---	---	---	21.5	17.5	19.5
25	0.0	0.0	0.0	3.5	2.5	3.0	---	---	---	23.0	20.0	21.5
26	0.0	0.0	0.0	4.0	2.5	3.5	---	---	---	22.5	20.5	21.5
27	0.5	0.0	0.0	---	3.5	---	---	---	---	23.0	21.0	22.0
28	1.0	0.5	0.5	---	---	---	---	---	---	24.5	22.0	23.0
29	---	---	---	---	---	---	---	---	---	24.0	21.0	22.5
30	---	---	---	---	---	---	---	---	---	24.0	21.0	22.5
31	---	---	---	5.0	---	---	---	---	---	25.5	22.0	24.0
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 01432160 DELAWARE RIVER AT BARRYVILLE, NY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>June</b>			<b>July</b>			<b>August</b>			<b>September</b>		
<b>1</b>	26.5	22.5	25.0	23.5	21.0	22.0	30.0	25.5	27.5	23.5	20.5	22.5
<b>2</b>	26.0	22.5	24.5	22.0	19.5	21.0	28.5	23.5	26.5	23.0	20.5	22.0
<b>3</b>	25.5	23.5	25.0	22.5	19.5	21.0	28.0	24.5	26.5	22.5	20.5	21.5
<b>4</b>	23.5	20.0	22.5	21.5	19.0	20.0	27.0	24.0	25.5	23.0	21.0	22.0
<b>5</b>	22.5	19.0	21.0	22.5	18.0	20.5	27.0	24.5	26.0	22.5	20.0	21.5
<b>6</b>	21.0	18.5	20.0	23.0	19.5	21.5	26.5	25.0	25.5	23.5	20.0	21.5
<b>7</b>	21.5	17.5	19.5	24.0	20.0	22.0	26.5	23.5	25.0	24.5	21.0	23.0
<b>8</b>	23.5	18.5	21.0	25.5	21.0	23.5	27.5	23.5	25.5	25.0	22.0	23.5
<b>9</b>	25.0	21.5	23.5	27.5	22.5	25.0	26.5	24.5	25.5	25.5	23.0	24.0
<b>10</b>	25.0	23.5	24.0	27.0	23.5	25.5	25.5	20.5	22.5	24.5	22.5	24.0
<b>11</b>	26.0	23.0	24.5	26.0	22.5	24.5	23.5	20.0	22.0	22.5	21.0	22.0
<b>12</b>	---	21.0	---	26.0	22.0	24.0	25.0	21.5	23.0	21.0	19.5	20.5
<b>13</b>	---	---	---	25.5	22.0	23.5	25.5	23.0	24.0	20.5	18.5	19.5
<b>14</b>	---	---	---	25.5	21.5	23.5	24.5	21.5	23.0	19.5	18.5	19.0
<b>15</b>	---	---	---	25.0	23.0	24.0	25.0	21.0	23.0	19.5	17.5	19.0
<b>16</b>	---	---	---	26.0	23.0	24.5	25.0	22.0	23.5	18.0	16.0	17.0
<b>17</b>	---	---	---	26.5	21.5	24.0	25.0	22.0	23.5	17.5	15.0	16.5
<b>18</b>	---	---	---	25.5	21.5	23.5	23.5	20.0	22.0	17.5	15.5	17.0
<b>19</b>	---	---	---	24.0	22.0	23.0	22.0	20.5	21.5	18.5	16.0	17.5
<b>20</b>	---	---	---	24.0	21.0	22.5	21.0	20.0	20.5	20.0	17.5	18.5
<b>21</b>	---	---	---	24.0	20.0	22.0	20.0	17.5	18.5	21.0	18.5	20.0
<b>22</b>	---	---	---	24.5	21.5	23.0	18.0	17.0	17.5	21.5	19.0	20.5
<b>23</b>	---	---	---	23.0	20.5	21.5	19.5	17.5	18.5	21.0	20.0	20.5
<b>24</b>	---	---	---	24.5	21.0	23.0	22.5	19.0	20.5	20.5	18.5	19.5
<b>25</b>	---	---	---	25.0	22.0	23.5	25.0	21.0	23.0	20.5	18.0	19.5
<b>26</b>	---	---	---	26.0	23.5	24.5	24.5	22.5	23.5	21.5	19.5	20.5
<b>27</b>	---	---	---	26.0	24.0	25.0	25.0	21.5	23.5	22.5	20.5	21.5
<b>28</b>	26.0	---	---	26.5	25.0	26.0	25.0	22.0	23.5	22.0	20.0	21.0
<b>29</b>	24.5	22.5	23.5	27.5	25.0	26.5	25.5	22.0	24.0	20.0	18.5	19.5
<b>30</b>	24.5	22.0	23.0	26.5	23.0	25.0	26.5	22.5	25.0	18.5	17.0	18.0
<b>31</b>	---	---	---	29.0	23.0	26.0	25.5	22.5	24.0	---	---	---
<b>Month</b>	---	---	---	29.0	18.0	23.4	30.0	17.0	23.3	25.5	15.0	20.4