

**SURFACE-WATER RECORDS  
NORTH ATLANTIC SLOPE BASINS  
DELAWARE RIVER BASIN**

**01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, NY**

**LOCATION.**--Lat 41°57'08", long 75°17'31", Delaware County, Hydrologic Unit 02040101, at bridge at end of Pennsylvania State Highway 191 in Hancock, and 1.3 mi upstream from confluence with East Branch Delaware Riverr.

**DRAINAGE AREA.**--650 mi<sup>2</sup>.

**PERIOD OF DAILY RECORD.**--

WATER TEMPERATURES: October 1996 to current year.

**INSTRUMENTATION.**--Water-temperature satellite telemeter provides 15-minute-interval readings.

**REMARKS.**--Water temperature is affected by release of water from upstream reservoir.

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

WATER TEMPERATURES: Maximum, 24.5°C, Sept. 18, 1997, June 13, 2001; minimum, 0.0°C on many days during winter periods.

**EXTREMES FOR CURRENT YEAR.**--

WATER TEMPERATURES: Maximum, 23.0°C, June 21; minimum, 0.0°C on many days during winter period.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15.5	11.5	13.5	12.0	9.5	11.0	10.0	8.0	9.0	0.0	0.0	0.0
2	16.0	12.5	14.5	12.5	10.0	11.5	9.0	6.0	7.5	0.0	0.0	0.0
3	17.0	13.0	15.0	13.0	11.5	12.5	7.5	5.0	6.0	0.0	0.0	0.0
4	17.5	13.5	15.5	12.5	10.0	11.5	6.5	3.5	5.0	0.0	0.0	0.0
5	17.0	14.5	15.5	11.0	8.5	9.5	8.5	6.0	7.0	0.0	0.0	0.0
6	16.0	14.5	15.0	9.5	8.0	8.5	8.5	6.5	7.5	0.5	0.0	0.0
7	14.5	12.5	13.5	9.0	7.5	8.5	8.5	5.0	7.0	0.0	0.0	0.0
8	14.5	12.0	13.5	9.0	7.5	8.0	5.0	2.0	3.5	0.0	0.0	0.0
9	15.5	12.5	14.0	9.5	7.0	8.0	4.0	2.0	3.0	0.0	0.0	0.0
10	16.5	13.0	15.0	8.5	6.0	7.0	4.5	2.5	3.5	0.0	0.0	0.0
11	17.0	13.5	15.5	7.5	5.5	7.0	5.5	2.5	3.5	0.0	0.0	0.0
12	16.5	14.0	15.5	6.0	4.5	5.5	5.5	2.5	4.0	0.5	0.0	0.0
13	17.0	15.0	16.0	7.0	4.0	5.5	5.5	4.0	4.5	0.5	0.0	0.0
14	16.0	14.5	15.5	7.5	5.0	6.0	6.0	5.0	5.5	0.5	0.0	0.0
15	16.5	14.5	15.5	9.5	7.5	8.5	6.0	3.5	5.0	1.0	0.5	0.5
16	15.5	13.0	14.5	10.0	8.0	9.0	4.5	2.5	3.5	1.0	0.0	0.5
17	14.5	12.5	13.5	8.0	6.5	7.5	4.0	3.5	3.5	1.5	0.0	0.5
18	14.5	12.0	13.0	7.5	5.0	6.5	4.5	4.0	4.0	0.5	0.0	0.0
19	14.0	11.5	13.0	8.0	6.0	7.0	5.0	4.0	4.5	0.0	0.0	0.0
20	15.0	13.0	14.0	8.0	5.5	7.0	4.5	3.5	4.0	0.0	0.0	0.0
21	15.5	12.0	14.0	6.0	4.0	5.5	3.5	2.5	3.0	0.0	0.0	0.0
22	14.5	13.0	14.0	6.5	4.5	5.5	3.0	2.0	2.5	0.0	0.0	0.0
23	14.5	12.5	13.5	6.5	4.5	5.5	3.0	1.0	2.0	0.5	0.0	0.0
24	15.5	14.0	14.5	8.5	6.5	7.0	4.0	2.0	3.0	0.0	0.0	0.0
25	15.5	13.0	14.0	11.0	8.5	10.0	2.0	1.0	1.5	0.5	0.0	0.0
26	13.0	11.5	12.0	9.0	8.0	8.5	1.5	0.0	0.5	1.0	0.0	0.0
27	12.5	11.0	11.5	8.0	6.5	7.5	0.0	0.0	0.0	1.0	0.0	0.5
28	12.0	10.5	11.0	9.5	7.5	8.5	0.0	0.0	0.0	1.0	0.0	0.5
29	13.0	10.0	11.5	8.5	7.5	8.0	0.0	0.0	0.0	1.0	0.5	1.0
30	12.5	10.5	11.5	9.5	7.5	8.5	0.5	0.0	0.0	2.5	1.0	1.5
31	10.5	9.0	9.5	---	---	---	0.0	0.0	0.0	2.0	2.0	2.0
MONTH	17.5	9.0	13.8	13.0	4.0	8.0	10.0	0.0	3.7	2.5	0.0	0.2

## DELAWARE RIVER BASIN

## 01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, NY--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	2.5	2.0	2.0	3.5	0.0	1.0	7.5	5.5	7.0	11.5	6.0	8.5
2	2.0	0.5	1.0	2.5	0.0	1.5	6.5	4.0	5.5	9.5	8.0	8.5
3	2.0	0.0	1.0	6.5	2.5	4.5	6.0	5.0	6.0	10.0	7.5	8.5
4	2.5	0.5	1.5	3.5	0.0	2.0	6.5	3.5	5.0	13.0	6.0	9.5
5	1.0	0.0	0.5	1.5	0.0	0.5	5.0	2.5	3.5	14.5	7.5	11.0
6	2.0	0.0	0.5	5.5	0.5	2.5	5.5	2.0	3.5	15.0	9.0	12.0
7	3.0	0.0	1.5	5.5	1.0	3.0	7.0	1.0	4.0	15.0	11.5	13.5
8	4.5	1.5	2.5	8.0	2.0	4.5	6.0	4.0	5.0	16.0	11.5	13.5
9	5.0	1.5	3.0	9.0	5.0	7.0	9.5	5.5	7.5	13.0	10.0	11.0
10	3.5	1.5	2.5	8.5	1.5	5.0	12.0	7.0	9.0	16.0	10.0	12.5
11	3.0	0.0	1.5	5.5	0.0	2.0	12.5	6.0	9.0	15.5	9.0	12.0
12	2.0	0.0	1.0	4.0	0.5	2.0	13.0	6.5	9.5	12.0	10.0	10.5
13	2.5	0.0	1.0	3.5	2.0	3.0	12.0	10.0	10.5	10.0	9.5	10.0
14	1.0	0.0	0.5	9.0	3.0	5.5	16.0	9.5	12.5	10.5	9.0	9.5
15	2.0	0.0	1.0	7.5	4.5	6.0	16.5	11.0	14.0	12.5	8.0	10.0
16	4.0	1.5	2.5	6.5	3.5	5.5	18.0	12.0	15.0	13.5	8.5	11.5
17	4.5	1.5	2.5	5.5	1.5	3.5	19.0	13.0	16.0	14.5	11.5	12.5
18	3.0	0.0	1.0	3.5	2.5	2.5	20.0	14.0	17.0	11.5	8.5	9.5
19	3.5	0.0	1.5	4.0	2.5	3.0	19.0	14.0	16.0	10.0	7.0	8.5
20	4.5	2.0	3.0	3.0	1.0	2.0	15.0	11.0	13.0	10.0	6.5	8.5
21	5.5	3.5	4.5	7.0	2.0	3.5	12.0	9.0	10.0	10.5	6.5	8.5
22	4.0	2.5	3.5	3.5	0.0	1.5	9.0	6.5	8.0	13.5	6.5	10.0
23	4.5	1.5	2.5	5.5	0.0	2.5	9.5	5.5	7.5	16.0	8.5	12.0
24	5.0	0.0	2.0	6.0	1.5	4.0	13.5	5.0	9.0	15.5	10.5	13.0
25	5.0	1.0	3.0	5.5	2.5	3.5	9.0	6.0	7.5	17.0	10.0	13.5
26	7.0	2.0	4.0	2.5	1.5	2.0	10.5	5.0	7.5	15.5	12.5	14.0
27	5.0	1.5	3.5	3.0	1.5	2.0	12.5	4.5	8.5	17.5	12.5	15.0
28	3.5	0.0	1.5	6.0	1.5	4.0	9.0	7.5	8.0	15.5	13.5	14.0
29	---	---	---	7.5	3.0	5.0	8.0	6.0	7.5	17.0	13.5	15.0
30	---	---	---	9.0	5.5	7.0	8.0	5.5	6.5	19.0	14.5	16.5
31	---	---	---	9.0	5.5	7.5	---	---	---	19.0	15.5	16.5
MONTH	7.0	0.0	2.0	9.0	0.0	3.5	20.0	1.0	8.9	19.0	6.0	11.6
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>		
1	18.5	14.5	16.5	21.0	17.5	19.5	18.5	13.5	16.0	16.5	13.0	14.5
2	17.5	14.0	16.0	20.5	17.0	19.0	16.5	13.0	14.5	17.0	14.0	15.5
3	17.5	12.0	15.0	20.5	14.5	18.0	16.0	10.0	13.0	19.0	14.0	17.0
4	16.5	13.0	15.0	20.0	15.0	18.0	16.0	10.0	13.0	19.0	16.0	18.0
5	18.5	13.5	16.0	19.5	17.0	18.0	14.5	11.0	13.0	17.5	14.0	16.0
6	17.0	14.5	15.5	17.0	13.0	15.0	15.0	11.0	13.0	17.0	13.0	15.0
7	17.0	13.5	15.5	19.5	14.0	17.0	14.5	10.0	12.5	17.5	12.5	15.5
8	17.5	14.0	15.5	19.5	14.0	17.0	14.5	10.0	12.5	19.0	13.5	16.0
9	19.5	14.5	16.5	18.0	15.0	16.0	15.0	9.5	12.5	20.0	15.0	17.5
10	20.5	15.5	18.0	20.5	14.5	17.5	15.5	9.5	12.5	19.5	16.0	18.0
11	21.5	16.0	18.5	21.5	15.0	18.0	15.5	9.5	12.5	18.5	14.5	16.0
12	20.5	18.0	19.0	19.0	15.5	17.5	15.0	10.0	13.0	17.0	12.5	15.0
13	19.0	16.5	17.5	16.5	12.5	15.0	16.0	10.5	13.5	18.0	13.0	15.5
14	17.0	14.5	15.5	18.5	13.0	16.0	15.0	10.5	13.0	18.0	14.0	16.5
15	14.5	14.0	14.5	20.5	16.0	18.5	14.5	11.0	13.0	18.0	16.5	17.5
16	16.5	14.0	15.5	22.0	17.0	19.0	15.5	11.0	13.0	18.5	17.0	18.0
17	18.0	14.0	16.0	20.5	14.5	18.0	15.5	11.0	13.5	19.5	16.0	17.5
18	19.0	14.0	16.5	21.0	16.0	18.5	15.5	11.5	13.5	18.5	15.5	17.0
19	21.0	15.5	18.0	19.0	13.0	16.0	15.5	11.5	13.5	18.0	16.0	17.0
20	22.0	16.0	19.0	16.5	10.0	13.0	15.0	11.5	13.5	19.5	17.0	18.5
21	23.0	17.5	20.0	15.5	10.5	13.5	16.0	11.0	13.5	19.5	17.0	18.5
22	21.5	18.0	20.0	19.5	13.5	16.5	15.5	11.5	13.5	19.5	17.5	18.5
23	21.0	17.5	19.0	18.0	14.0	16.0	16.5	12.5	14.5	18.5	16.5	17.5
24	22.5	18.0	20.5	16.0	10.5	13.5	15.5	12.5	13.5	18.5	15.0	16.5
25	22.5	18.5	20.5	18.5	15.0	16.5	18.0	12.0	15.0	17.0	15.0	16.0
26	22.5	19.0	21.0	16.0	11.5	13.0	18.0	15.5	16.5	16.5	15.0	15.5
27	22.5	19.0	20.5	13.5	10.0	11.5	16.5	13.0	15.0	15.0	14.5	14.5
28	20.5	18.0	19.0	15.0	10.5	12.5	16.5	13.5	15.5	16.5	14.5	15.5
29	22.5	16.0	19.5	18.0	13.5	15.5	15.5	13.0	14.0	17.5	13.0	15.0
30	22.5	18.0	20.5	19.0	14.5	16.5	17.0	13.5	15.0	18.0	14.0	16.0
31	---	---	---	18.0	13.5	16.0	17.5	13.0	15.5	---	---	---
MONTH	23.0	12.0	17.7	22.0	10.0	16.3	18.5	9.5	13.7	20.0	12.5	16.5