

**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 mi².

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. Interruption of record was due to malfunction of recording instrument.

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 winters.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 22.5°C, June 26, July 25, 26; minimum, 0.0°C on many days during winter.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.5	14.5	17.0	6.5	5.0	6.0	3.0	0.5	2.0	2.5	1.5	2.0
2	21.0	17.0	18.5	5.5	4.5	5.0	2.0	0.5	1.0	2.0	1.0	1.5
3	18.0	16.5	17.5	6.0	4.5	5.0	1.0	0.0	0.0	1.5	0.0	0.5
4	16.5	15.0	15.5	5.5	4.5	5.0	0.0	0.0	0.0	1.0	0.0	0.5
5	18.0	15.5	16.5	7.0	4.5	5.5	0.0	0.0	0.0	2.0	1.0	1.5
6	17.0	14.0	15.5	6.5	5.5	6.0	0.5	0.0	0.0	2.0	1.0	1.5
7	17.0	14.5	15.5	6.5	4.0	5.5	0.5	0.0	0.0	1.5	0.0	0.5
8	15.5	13.0	14.5	7.0	3.5	5.0	0.0	0.0	0.0	1.5	0.0	0.5
9	15.5	13.5	14.5	7.5	4.5	6.0	0.0	0.0	0.0	2.5	1.5	2.0
10	15.5	15.0	15.0	9.5	6.5	8.0	0.0	0.0	0.0	2.5	0.5	1.5
11	15.0	13.5	14.5	11.0	9.0	10.0	0.0	0.0	0.0	0.5	0.0	0.0
12	14.0	13.0	13.5	9.0	8.0	8.5	0.0	0.0	0.0	0.5	0.0	0.0
13	13.5	12.5	13.5	8.0	7.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
14	12.5	10.0	11.5	8.0	6.0	7.0	1.0	0.0	0.5	0.0	0.0	0.0
15	11.0	9.0	10.0	8.5	6.5	7.5	1.0	0.5	1.0	0.0	0.0	0.0
16	10.5	10.0	10.5	7.5	6.0	6.5	1.5	0.5	1.0	0.0	0.0	0.0
17	10.5	10.0	10.5	6.5	6.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0
18	11.5	9.5	10.0	6.0	4.5	5.0	0.0	0.0	0.0	0.5	0.0	0.0
19	10.0	9.5	9.5	5.0	4.5	4.5	1.0	0.0	0.0	0.5	0.0	0.0
20	10.5	8.5	9.5	6.0	4.5	5.0	2.5	1.0	2.0	0.0	0.0	0.0
21	10.0	8.0	9.0	5.5	4.5	5.0	2.5	2.0	2.5	0.0	0.0	0.0
22	9.5	7.0	8.5	6.5	5.5	6.0	3.0	2.0	2.5	0.0	0.0	0.0
23	10.0	7.0	8.5	6.0	4.0	4.5	3.0	2.0	2.5	0.0	0.0	0.0
24	9.0	6.0	7.5	5.0	3.5	4.5	2.0	1.5	2.0	0.0	0.0	0.0
25	8.0	6.5	7.5	5.0	4.0	4.5	2.0	0.0	0.5	0.0	0.0	0.0
26	8.5	7.5	8.0	4.5	4.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
27	9.5	8.0	8.5	4.0	2.5	3.5	0.5	0.0	0.5	0.0	0.0	0.0
28	8.5	7.0	8.0	2.5	1.5	2.0	1.0	0.0	0.5	0.0	0.0	0.0
29	7.0	5.5	6.5	2.5	2.0	2.0	1.5	0.5	1.0	0.0	0.0	0.0
30	7.0	5.5	6.5	4.0	2.0	3.0	1.5	0.5	1.0	0.0	0.0	0.0
31	7.5	4.0	6.0	---	---	---	2.0	1.0	1.5	0.0	0.0	0.0
MONTH	21.0	4.0	11.5	11.0	1.5	5.5	3.0	0.0	0.7	2.5	0.0	0.4

DELAWARE RIVER BASIN

01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, 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	0.0	0.0	0.0	1.5	0.5	1.0	3.0	2.0	2.5	13.5	7.5	10.5
2	0.0	0.0	0.0	2.0	1.5	1.5	5.0	2.5	3.5	12.5	9.5	11.0
3	0.0	0.0	0.0	1.5	0.0	0.5	4.0	3.5	4.0	13.5	9.0	11.0
4	0.0	0.0	0.0	1.0	0.0	0.5	4.0	3.0	3.5	13.5	9.0	11.5
5	0.0	0.0	0.0	2.0	0.5	1.5	3.0	2.0	2.5	11.5	9.0	10.0
6	0.0	0.0	0.0	2.0	0.0	1.0	5.0	2.0	3.5	10.5	8.5	9.5
7	0.0	0.0	0.0	1.0	0.0	0.5	3.5	2.0	3.0	13.5	9.5	11.5
8	0.0	0.0	0.0	3.0	0.0	1.5	3.5	2.0	3.0	13.0	11.5	12.0
9	0.0	0.0	0.0	3.0	0.5	2.5	4.0	3.0	3.5	14.5	11.0	12.5
10	0.0	0.0	0.0	0.5	0.0	0.5	7.0	3.5	5.0	14.5	10.5	13.0
11	0.0	0.0	0.0	1.0	0.0	0.5	5.0	3.5	4.0	14.0	12.5	13.5
12	0.0	0.0	0.0	2.5	0.0	1.0	8.5	4.0	6.0	13.5	12.5	13.0
13	0.0	0.0	0.0	2.5	0.5	1.5	8.0	4.0	6.0	12.5	8.5	10.5
14	0.0	0.0	0.0	2.5	0.0	1.5	8.5	3.5	6.0	10.0	8.0	9.0
15	0.0	0.0	0.0	5.5	1.5	3.5	10.0	5.0	7.5	13.0	8.5	11.0
16	0.0	0.0	0.0	6.0	2.5	4.0	10.5	6.0	8.0	13.0	10.5	12.0
17	0.0	0.0	0.0	5.0	2.5	3.0	8.0	4.5	5.5	15.0	11.0	13.0
18	0.0	0.0	0.0	3.0	1.5	2.0	5.5	3.5	4.5	16.0	11.0	13.5
19	0.0	0.0	0.0	4.0	1.5	2.5	9.5	4.5	6.5	17.0	11.5	14.5
20	0.5	0.0	0.0	2.5	2.5	2.5	10.0	5.0	7.5	16.5	12.5	15.0
21	0.5	0.0	0.0	4.0	2.0	3.0	8.5	6.0	7.0	16.0	12.5	13.5
22	0.0	0.0	0.0	4.5	3.0	3.5	7.5	6.5	7.0	14.0	11.5	13.0
23	0.0	0.0	0.0	3.5	3.0	3.0	7.0	4.5	6.0	14.0	12.5	13.0
24	0.0	0.0	0.0	4.5	2.5	3.5	9.0	3.5	6.0	13.0	12.5	12.5
25	0.0	0.0	0.0	5.5	3.0	4.0	10.5	4.5	8.0	16.5	12.0	14.0
26	0.0	0.0	0.0	4.0	3.5	4.0	9.5	7.5	8.0	15.5	13.0	13.5
27	0.0	0.0	0.0	5.5	3.0	4.0	11.5	8.0	9.5	17.0	12.5	15.0
28	0.5	0.0	0.0	5.5	3.0	4.5	11.5	7.0	9.5	16.5	14.0	15.5
29	---	---	---	5.5	4.5	5.0	11.0	7.5	9.0	17.0	13.5	15.5
30	---	---	---	5.0	3.0	3.5	10.5	6.0	8.5	17.5	14.0	16.0
31	---	---	---	5.0	2.0	3.5	---	---	---	16.0	13.5	14.5
MONTH	0.5	0.0	0.0	6.0	0.0	2.4	11.5	2.0	5.8	17.5	7.5	12.7
	JUNE			JULY			AUGUST			SEPTEMBER		
1	13.5	11.5	13.0	19.5	14.5	17.0	17.5	13.5	15.0	14.5	13.0	13.5
2	15.0	11.0	13.0	20.0	15.5	18.0	20.0	13.5	18.5	15.5	14.5	15.0
3	13.5	12.0	13.0	20.0	16.0	18.0	21.0	18.0	19.5	15.0	13.5	14.5
4	14.0	12.5	13.5	20.5	16.5	18.5	20.0	18.5	19.0	15.0	12.5	14.0
5	15.0	13.5	14.0	20.0	17.0	18.5	20.0	18.0	19.0	19.0	15.0	17.5
6	17.5	13.5	15.0	20.5	17.0	18.5	18.5	17.5	18.0	20.5	17.5	19.0
7	16.0	14.0	14.5	19.0	16.0	17.5	19.0	17.0	18.0	21.0	18.5	19.5
8	16.0	14.0	15.0	17.5	13.0	15.5	20.5	17.5	19.0	21.0	18.5	19.5
9	17.0	15.0	16.0	16.5	12.5	13.5	19.5	18.5	19.0	21.5	17.0	19.5
10	18.5	14.0	16.5	16.0	12.0	14.0	20.0	17.0	18.5	18.0	15.0	16.5
11	17.5	15.0	16.0	17.0	15.0	16.0	18.0	16.5	17.5	17.5	14.0	16.0
12	17.0	15.0	16.0	19.0	15.5	17.0	18.5	14.5	16.5	18.0	15.5	16.5
13	16.0	15.0	15.5	19.0	15.5	17.0	16.0	11.5	14.0	16.5	15.0	16.0
14	17.5	14.5	16.0	22.0	15.0	18.5	16.0	11.5	14.0	19.0	16.5	18.0
15	17.5	15.5	16.5	22.0	17.0	19.5	16.0	11.5	14.0	19.0	17.0	17.5
16	19.0	15.0	17.0	20.5	18.0	19.5	15.5	13.0	14.5	18.0	16.0	17.0
17	19.5	16.0	17.5	20.0	16.0	18.0	15.0	13.5	14.5	16.0	13.5	15.0
18	17.5	16.0	16.5	18.0	13.5	16.0	17.0	13.5	15.5	15.0	12.5	14.0
19	19.0	16.0	17.5	15.5	11.5	13.5	19.5	15.5	17.5	15.5	13.5	14.5
20	18.0	15.5	17.0	17.5	12.5	15.0	19.5	16.0	17.5	16.0	14.0	15.0
21	16.0	14.5	15.5	17.0	15.5	16.0	20.5	16.5	18.5	17.0	13.5	15.0
22	---	---	---	18.0	15.0	16.5	20.5	17.5	19.0	15.0	14.0	14.5
23	---	---	---	19.0	16.5	18.0	20.0	15.5	17.5	16.5	15.0	15.5
24	---	---	---	20.5	17.5	19.0	19.0	14.0	16.5	17.0	14.5	15.5
25	---	---	---	22.5	17.5	20.0	19.0	15.0	17.0	16.5	15.0	15.5
26	22.5	---	---	22.5	18.0	20.5	18.0	15.5	17.0	18.0	15.5	16.5
27	21.0	15.5	17.0	20.5	15.5	17.5	18.0	14.0	16.0	19.0	16.5	18.0
28	19.5	15.0	17.5	19.0	14.0	16.5	16.0	12.0	14.0	18.5	16.5	17.0
29	19.0	15.5	17.0	20.0	16.0	18.0	13.5	9.0	11.0	17.5	16.0	16.5
30	18.5	16.0	17.5	20.0	15.5	18.0	13.0	11.0	12.5	17.0	15.0	15.5
31	---	---	---	19.0	15.5	17.5	15.0	9.5	12.5	---	---	---
MONTH	---	---	---	22.5	11.5	17.3	21.0	9.0	16.5	21.5	12.5	16.2