

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 River.

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. Interruptions of record were due to malfunction of recording instrument.

EXTREMES FOR PERIOD OF RECORD--

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

EXTREMES FOR CURRENT YEAR--

WATER TEMPERATURES: Maximum, 23.0°C, June 7; minimum, 0.0°C on many days during winter period.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	14.5	12.0	14.0	11.5	10.5	11.0	7.5	5.5	6.0	.0	.0	.0
2	13.0	10.0	11.5	11.0	10.5	11.0	6.0	3.5	5.0	.0	.0	.0
3	13.0	11.0	12.0	11.0	9.5	10.5	7.0	4.5	6.0	.0	.0	.0
4	14.0	11.0	12.5	10.5	9.5	10.0	9.0	7.0	8.0	.0	.0	.0
5	14.0	10.5	12.5	10.5	9.5	10.0	7.5	6.5	7.0	.0	.0	.0
6	13.5	10.5	12.0	10.0	9.5	9.5	8.5	6.5	7.5	.0	.0	.0
7	13.5	11.5	12.0	9.5	9.0	9.5	8.5	7.5	8.0	.0	.0	.0
8	13.0	12.5	12.5	10.0	9.5	9.5	7.5	5.5	6.0	.0	.0	.0
9	13.0	12.5	13.0	10.0	8.5	9.5	6.5	5.0	5.5	.0	.0	.0
10	13.0	12.5	12.5	9.0	7.5	8.0	5.0	3.5	4.5	.0	.0	.0
11	13.0	12.0	12.5	10.5	8.0	9.0	5.0	4.0	4.5	.0	.0	.0
12	16.0	11.5	13.5	9.0	7.5	8.5	4.0	3.5	3.5	.0	.0	.0
13	16.0	13.0	14.0	8.5	7.0	7.5	4.5	2.5	3.5	.0	.0	.0
14	14.5	12.0	13.0	9.0	6.5	8.0	4.0	2.5	3.5	.0	.0	.0
15	13.0	11.0	11.5	9.0	8.0	8.5	4.0	2.5	3.5	.0	.0	.0
16	14.0	10.0	11.5	8.0	7.0	8.0	4.0	2.5	3.0	.0	.0	.0
17	13.5	9.5	11.5	8.0	8.0	8.0	4.5	4.0	4.0	.0	.0	.0
18	14.5	11.0	12.5	8.0	6.5	7.5	4.0	3.0	3.5	.0	.0	.0
19	14.5	12.0	13.5	7.5	6.0	6.5	4.5	3.0	3.5	.0	.0	.0
20	12.5	10.5	11.5	8.0	7.0	7.5	4.5	4.0	4.5	.0	.0	.0
21	12.0	10.5	11.5	8.0	6.5	7.5	5.5	4.5	5.0	.5	.0	.0
22	11.5	10.5	11.0	7.5	6.0	6.5	6.0	1.5	4.5	.0	.0	.0
23	13.0	10.5	12.0	8.0	5.5	6.5	---	---	---	.0	.0	.0
24	14.0	11.0	12.5	8.0	6.5	7.0	---	---	---	.5	.0	.5
25	14.0	11.0	12.5	7.0	6.0	6.5	---	---	---	1.5	.5	1.0
26	14.0	12.0	13.0	6.5	6.0	6.5	---	---	---	1.5	1.0	1.0
27	13.5	12.0	12.5	6.5	5.5	6.0	---	---	---	1.5	.0	1.0
28	12.5	12.0	12.5	6.5	4.0	5.0	2.0	1.0	1.5	2.0	1.5	1.5
29	12.5	11.0	11.5	6.0	4.0	5.0	1.5	.5	1.0	2.0	.0	1.0
30	12.0	10.0	11.0	7.5	6.0	6.5	1.0	.0	.5	1.0	.0	.5
31	11.0	9.5	10.5	---	---	---	.0	.0	.0	.5	.0	.0
MONTH	16.0	9.5	12.5	11.5	4.0	8.0	---	---	---	2.0	.0	.0

DELAWARE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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