

DELAWARE RIVER BASIN

01474703 DELAWARE RIVER AT FORT MIFFLIN AT PHILADELPHIA, PA

LOCATION.--Lat 39°52'45", long 75°12'11", Philadelphia County, Hydrologic Unit 02040202, on right bank at outer end of L-shaped pier at Fort Mifflin, 0.4 mi downstream from mouth of Schuylkill River, and at Philadelphia.

DRAINAGE AREA.--10,000 mi², approximately.

PERIOD OF RECORD.--Water years 1970-76, 1981 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1970 to December 1971, February 1981 to current year.

WATER TEMPERATURE: June 1972 to June 1976, February 1981 to current year.

INSTRUMENTATION.--Water-quality monitor July 1970 to June 1976 and since Feb. 1981. Satellite telemetry at station.

REMARKS.--Data collected only during drought conditions and at the request of the Delaware River Basin Commission.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,340 microsiemens, Aug. 11, 1999; minimum, 90 microsiemens, Apr. 11, 17, 19, 29, 1983, Apr. 29, 1984.

WATER TEMPERATURE: Maximum, 31.0°C, Aug. 4-6, 13, 1975; minimum, 0.5°C, Feb. 5, 1981, Jan. 11, 13, 14, 1999.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	436	397	412
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	469	394	421
7	---	---	---	---	---	---	---	---	---	470	403	428
8	---	---	---	---	---	---	---	---	---	475	408	430
9	---	---	---	---	---	---	---	---	---	462	413	436
10	---	---	---	---	---	---	---	---	---	485	419	445
11	---	---	---	---	---	---	---	---	---	486	427	448
12	---	---	---	---	---	---	---	---	---	503	431	456
13	---	---	---	---	---	---	---	---	---	498	428	458
14	---	---	---	---	---	---	---	---	---	573	446	477
15	---	---	---	---	---	---	---	---	---	540	440	475
16	---	---	---	---	---	---	---	---	---	540	459	487
17	---	---	---	---	---	---	---	---	---	557	462	495
18	---	---	---	---	---	---	---	---	---	570	460	498
19	---	---	---	---	---	---	---	---	---	574	452	495
20	---	---	---	---	---	---	---	---	---	591	462	509
21	---	---	---	---	---	---	---	---	---	592	465	506
22	---	---	---	---	---	---	---	---	---	616	474	524
23	---	---	---	---	---	---	---	---	---	620	479	529
24	---	---	---	---	---	---	---	---	---	829	494	548
25	---	---	---	---	---	---	---	---	---	709	513	557
26	---	---	---	---	---	---	---	---	---	706	531	569
27	---	---	---	---	---	---	---	---	---	658	527	559
28	---	---	---	---	---	---	---	---	---	809	524	575
29	---	---	---	---	---	---	---	---	---	698	533	578
30	---	---	---	---	---	---	---	---	---	673	532	570
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	829	394	496

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WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	26.9	26.3	26.6
4	---	---	---	---	---	---	---	---	---	26.7	26.1	26.4
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	26.4	25.7	26.1
7	---	---	---	---	---	---	---	---	---	26.3	25.4	26.0
8	---	---	---	---	---	---	---	---	---	26.2	25.5	25.9
9	---	---	---	---	---	---	---	---	---	26.1	25.4	25.8
10	---	---	---	---	---	---	---	---	---	26.1	24.9	25.8
11	---	---	---	---	---	---	---	---	---	26.0	25.1	25.7
12	---	---	---	---	---	---	---	---	---	26.0	25.2	25.7
13	---	---	---	---	---	---	---	---	---	26.0	25.5	25.7
14	---	---	---	---	---	---	---	---	---	26.0	25.5	25.8
15	---	---	---	---	---	---	---	---	---	26.2	25.7	25.9
16	---	---	---	---	---	---	---	---	---	26.3	25.8	26.0
17	---	---	---	---	---	---	---	---	---	26.4	25.8	26.1
18	---	---	---	---	---	---	---	---	---	26.3	25.8	26.1
19	---	---	---	---	---	---	---	---	---	26.4	25.7	26.1
20	---	---	---	---	---	---	---	---	---	26.1	25.6	26.0
21	---	---	---	---	---	---	---	---	---	26.1	25.5	25.8
22	---	---	---	---	---	---	---	---	---	26.0	25.1	25.7
23	---	---	---	---	---	---	---	---	---	25.9	25.3	25.7
24	---	---	---	---	---	---	---	---	---	25.6	24.6	25.2
25	---	---	---	---	---	---	---	---	---	25.2	24.8	25.0
26	---	---	---	---	---	---	---	---	---	25.1	24.6	24.8
27	---	---	---	---	---	---	---	---	---	24.9	24.2	24.6
28	---	---	---	---	---	---	---	---	---	24.6	23.8	24.2
29	---	---	---	---	---	---	---	---	---	24.0	23.4	23.8
30	---	---	---	---	---	---	---	---	---	23.6	22.6	23.3
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	26.9	22.6	25.5