

**DELAWARE RIVER BASIN**

**01434000 DELAWARE RIVER AT PORT JERVIS, NY  
(National Water-Quality Assessment Station)**

**LOCATION.**--Lat 41°22'14", long 74°41'52", Pike County, PA, Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge (on U.S. Highways 6 and 209) between Port Jervis, N.Y. and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.

**DRAINAGE AREA.**--3,070 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**--October 1904 to current year.

**REVISED RECORDS.**--WSP 1031: 1905-36. WDR NY-71-1: 1970. WDR NY-82-1: Drainage area. WDR NY-86-1: 1979-80.

**GAGE.**--Water-stage recorder. Datum of gage is 415.35 ft above sea level. October 1904 to August 13, 1928, non-recording gage at bridge 250 ft upstream at present datum; operated by U.S. Weather Service prior to June 20, 1914.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Flow regulated by Lake Wallenpaupack and by Toronto, Cliff Lake, and Swinging Bridge Reservoirs and smaller reservoirs. Large diurnal fluctuations at medium and low flows caused by powerplants on tributary streams. Subsequent to September 1954, entire flow from 371 mi<sup>2</sup> of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi<sup>2</sup> of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River Basin). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Satellite gage-height telemeter and National Weather Service telephone gage-height telemeter at station. Information on the above reservoirs can be found in the annual Water Data Report NY-99-1.

**EXTREMES FOR PERIOD OF RECORD.**--Maximum discharge prior to current degree of regulation, 233,000 ft<sup>3</sup>/s, Aug. 19, 1955, gage height, 23.91 ft, from floodmarks in gage house, from rating curve extended above 89,000 ft<sup>3</sup>/s, on basis of slope-area measurement of peak flow; maximum discharge since current degree of regulation, 134,000 ft<sup>3</sup>/s, Jan. 20, 1996, gage height, 18.37 ft; maximum gage height, 26.6 ft, Feb. 12, 1981 (ice jam), from floodmarks; minimum observed discharge, 175 ft<sup>3</sup>/s, Sept. 23, 1908, gage height, 0.6 ft.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--The U.S. Weather Bureau reported a discharge of 205,000 ft<sup>3</sup>/s, Oct. 10, 1903, gage height, 23.1 ft, from rating curve extended above 70,000 ft<sup>3</sup>/s, by velocity-area studies; maximum gage height, 25.5 ft, Mar. 8, 1904 (ice jam).

**EXTREMES FOR CURRENT YEAR.**--Maximum discharge, 47,400 ft<sup>3</sup>/s, Jan. 25, gage height, 10.86 ft; minimum, 933 ft<sup>3</sup>/s, Oct. 2, gage height, 1.80 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	1540	1420	e1100	e2900	3520	6540	2940	2420	1810	2150	1630
2	1370	1650	1270	e1000	4450	4580	6710	2460	2410	1650	2070	1690
3	1730	1640	1330	e1200	8510	4330	6130	2490	2320	1600	1930	1640
4	1690	1650	1360	e1500	8940	8630	5900	2760	2150	1570	1980	1760
5	1550	1660	1400	e1800	7530	13300	5730	2850	1800	1560	1890	1670
6	1740	1660	1440	e2100	6830	8850	5320	2690	1580	2240	1800	1580
7	1650	1640	1410	e1700	5860	7170	4840	2440	1550	2400	1860	1220
8	1900	1670	1450	e1500	5040	5900	4720	2420	2020	1830	1800	1260
9	2210	1740	1350	e1800	e4200	e5000	4390	2440	2040	1920	1780	1210
10	2890	1610	1620	e2100	e3700	e4200	4600	2720	1680	1800	1860	1440
11	1890	1660	1560	e2500	e3500	e3700	4570	2440	1550	1360	1810	1600
12	1630	1330	1530	e3100	e4100	e3300	4640	2320	1620	1520	1960	1510
13	1740	1670	1440	e2500	5960	e3000	5200	1920	1510	1550	2090	1500
14	1510	1780	1460	e2200	6120	e2800	5070	1770	1480	1790	2460	1450
15	1480	1580	1350	e1900	e4300	e2700	4160	1770	1590	1830	2270	1610
16	1730	1500	1460	e2000	e3800	e2600	3910	1580	1510	2030	2090	4130
17	1630	1530	1400	e2300	e3500	e2700	3970	1500	1580	2060	2050	16800
18	1340	1540	1550	e4000	e3200	e3600	3930	1460	1660	1750	1540	11200
19	1170	1550	1470	e7000	e3000	4990	4260	1830	1690	1900	1640	5060
20	1330	1570	1510	8990	e2600	4650	4260	2980	1680	1740	1730	3260
21	1420	1650	1440	6090	e2300	4360	4240	2950	1650	1850	1820	2920
22	1490	1750	1460	4920	e2000	9490	4200	2380	1860	2060	1840	2900
23	1560	1640	1800	5300	e1800	12600	3890	2030	1720	2060	1630	4460
24	1580	1490	2330	16600	e2300	9950	4690	2570	1530	1980	1740	3950
25	1760	1460	e1600	36000	3750	8810	4600	6490	1540	1960	1630	2980
26	1750	1570	e1400	16400	3630	8000	4360	6940	1660	1870	1660	2180
27	1740	1730	e1300	10900	2930	7210	4140	5130	1710	1930	1650	2030
28	1780	2170	e1600	8390	2720	6650	3830	3980	1640	2170	1830	2270
29	1610	1690	e1500	e6200	---	7330	3540	3290	1750	1990	1700	2130
30	1590	1400	e1300	e4600	---	7470	3270	2860	1560	1950	1540	2210
31	1570	---	e1200	e3600	---	7160	---	2460	---	2040	1580	---
TOTAL	51440	48720	45710	171290	119470	188550	139610	86860	52460	57770	57380	91250
MEAN	1659	1624	1475	5525	4267	6082	4654	2802	1749	1864	1851	3042
MAX	2890	2170	2330	36000	8940	13300	6710	6940	2420	2400	2460	16800
MIN	1170	1330	1200	1000	1800	2600	3270	1460	1480	1360	1540	1210

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1999, BY WATER YEAR (WY)**

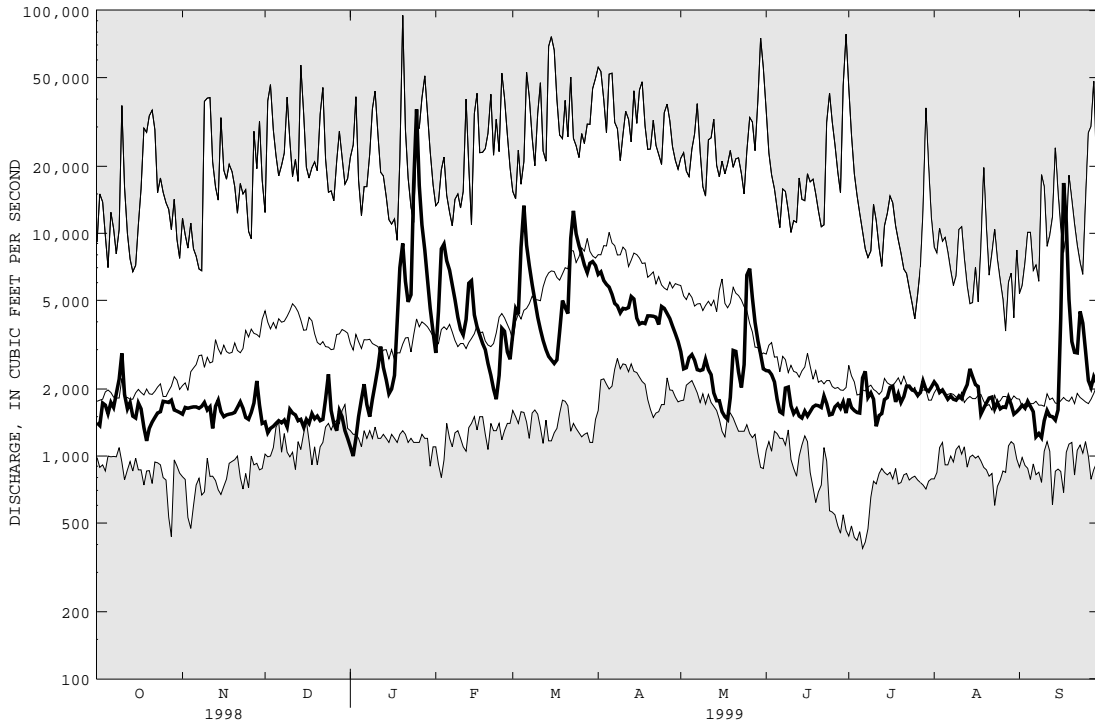
MEAN	2985	4140	5170	4922	5142	8006	9400	6087	3776	2714	2222	2414
MAX	10440	10310	17280	12980	13730	17520	23650	12670	12650	6680	4513	7928
(WY)	1978	1973	1997	1996	1976	1977	1993	1984	1972	1973	1969	1987
MIN	1001	884	1475	1216	1601	2583	2954	1890	993	699	963	1144
(WY)	1965	1965	1999	1981	1980	1981	1985	1995	1965	1965	1965	1965

e Estimated.

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SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1964 - 1999	
ANNUAL TOTAL	2003520		1110510			
ANNUAL MEAN	5489		3042		4743	
HIGHEST ANNUAL MEAN					7216	
LOWEST ANNUAL MEAN					2028	
HIGHEST DAILY MEAN	36200	Jan 9	36000	Jan 25	95200	Jan 20 1996
LOWEST DAILY MEAN	1160	Sep 10	1000	Jan 2	385	Jul 6 1965
ANNUAL SEVEN-DAY MINIMUM	1370	Nov 30	1260	Dec 29	432	Jul 1 1965
10 PERCENT EXCEEDS	12300		5920		10200	
50 PERCENT EXCEEDS	2960		1920		2840	
90 PERCENT EXCEEDS	1490		1460		1500	



CURRENT WATER YEAR DAILY DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.  
 SHADED AREAS SHOW DAILY MAXIMUM AND MINIMUM FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued  
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WATER-QUALITY RECORDS

LOCATION.--Lat 41°22'14", long 74°41'52", Pike County, PA, Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge (on U.S. Highways 6 and 209) between Port Jervis, N.Y. and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.

DRAINAGE AREA.--3,070 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1957-60, 1964 to January 1994, June 1997, November 1998 to current year.

CHEMICAL DATA: 1958-59 (e), 1964-65 (c), 1966 (a), 1967-68 (c), 1969-76 (d), 1987 (b), 1988-89 (c), 1990-91 (b), 1992, 1997 (a), 1999 (d).

MINOR ELEMENTS DATA: 1970, 1972-73 (a), 1974-76 (c), 1987 (b), 1988-89 (c), 1990-91 (b), 1992 (a).

PESTICIDE DATA: 1974 (a), 1987 (b), 1988-89 (c), 1990 (b), 1997 (a), 1999 (c).

ORGANIC DATA: OC--1974 (b), 1975 (d), 1999 (d).

NUTRIENT DATA: 1968 (a), 1969-76 (d), 1987 (b), 1988-89 (c), 1990 (b), 1999 (d).

BIOLOGICAL DATA:

Bacteria--1973-76 (d).

Phytoplankton--1974 (b), 1975-76 (c).

Periphyton--1976 (a).

SEDIMENT DATA: 1959, 1976 (c), 1988 (b), 1989 (c), 1990-91 (b), 1992 (a), 1999 (d).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January to September 1973.

SUSPENDED-SEDIMENT DISCHARGE: February 1957 to September 1960, March 1970 to June 1976.

WATER TEMPERATURE: February 1957 to September 1960, January to September 1973, June 1974 to January 1994, October 1998 to current year.

INSTRUMENTATION.-- Thermocouple to data logger; recorded every 15 minutes.

REMARKS.--These samples were collected as part of the Delaware River Basin National Water Quality Assessment Program (NAWQA). Fish tissue, bed sediment, and fish community data for this site are presented on pages 433-471. During the winter, the temperature probe may have been frozen in ice; continuous-record values may indicate the temperature of the ice rather than of the water. Interruptions in the daily record were due to instrument malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum (water years 1957-59, 1973-81, 1983-84, 1988- 93, 1999), 30.5°C, July 5, 1999; minimum (water years 1958-60, 1973, 1975-93, 1999), 0.0°C on many days during winters, except 1984.

SUSPENDED-SEDIMENT CONCENTRATION (water years 1957-60, 1970-76): Maximum daily mean, 760 mg/L, June 29, 1973; minimum daily mean, less than 1 mg/L many days.

SUSPENDED-SEDIMENT DISCHARGE (water years 1957-60, 1970-76): Maximum daily, 187,000 tons, June 29, 1973; minimum daily, 1 ton, Aug. 29, 1957.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.5°C, July 5; minimum, 0.0°C, many dates in Dec., Jan., Feb., and March.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
NOV 1998										
09...	1215	ENVIRONMENTAL	1840	759	103	12.4	7.5	83	9.5	7.5
DEC										
14...	1220	ENVIRONMENTAL	1420	755	102	13.7	7.1	81	4.0	2.5
JAN 1999										
25...	1100	ENVIRONMENTAL	37300	753	--	--	6.9	55	2.0	.0
FEB										
01...	1355	FIELD BLANK	--	--	--	--	--	--	--	--
01...	1400	ENVIRONMENTAL	3910	764	93	13.4	6.9	75	6.0	.5
MAR										
10...	1430	ENVIRONMENTAL	4570	754	90	12.4	7.3	76	5.0	2.0
APR										
05...	1340	ENVIRONMENTAL	5390	757	109	12.1	7.6	65	13.5	10.5
MAY										
03...	1320	ENVIRONMENTAL	2230	750	107	10.6	7.2	75	19.5	15.0
26...	1230	ENVIRONMENTAL	6630	742	107	10.4	7.3	73	21.0	15.0
JUN										
29...	1200	ENVIRONMENTAL	1600	739	100	7.7	8.0	96	30.0	27.0
AUG										
03...	1100	ENVIRONMENTAL	1910	754	--	--	7.6	88	29.0	--
30...	1300	ENVIRONMENTAL	1570	755	97	8.4	8.0	87	24.0	22.0

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 00453)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
NOV 1998											
09...	26	7.4	1.7	1.0	5.4	19	16	20	8.6	<.1	.83
DEC											
14...	24	7.0	1.6	.8	5.0	17	17	21	8.2	<.1	1.4
JAN 1999											
25...	14	4.1	.92	1.0	4.1	5.9	5	6.1	7.0	<.1	2.5
FEB											
01...	--	<.02	<.004	<.1	<.06	1.7	--	--	.2	<.1	<.05
01...	19	5.6	1.2	.8	5.2	9.7	8	10	10	<.1	2.8
MAR											
10...	19	5.8	1.2	.6	5.9	--	8	10	10	<.1	2.6
APR											
05...	17	5.2	1.0	.7	4.6	--	8	10	8.6	<.1	1.2
MAY											
03...	20	5.8	1.2	.7	5.5	--	10	13	10	<.1	1.1
26...	19	5.7	1.1	.7	5.0	--	11	13	8.6	<.1	2.4
JUN											
29...	25	7.3	1.6	.9	6.6	--	15	18	11	<.1	.84
AUG											
03...	23	6.6	1.6	.9	5.9	--	13	16	11	<.1	1.5
30...	24	7.0	1.7	.9	6.0	--	14	18	9.9	<.1	1.1

DATE	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
NOV 1998											
09...	7.1	<.02	.1	.1	.29	.15	.28	<.01	<.05	.01	<.05
DEC											
14...	8.0	.03	.1	.1	.36	.24	.37	<.01	<.05	<.01	<.05
JAN 1999											
25...	6.4	.05	.2	1.1	.66	.43	1.5	.02	.021	.02	.26
FEB											
01...	<.1	<.02	<.1	<.1	--	<.05	--	<.01	<.004	.01	<.004
01...	8.4	.03	.1	.2	.51	.37	.56	<.01	.008	.02	.014
MAR											
10...	7.9	<.02	.1	.2	.38	.28	.43	<.01	.004	.02	.012
APR											
05...	7.2	<.02	.1	.2	.27	.15	.34	<.01	.005	.01	.008
MAY											
03...	7.2	.06	.2	.2	.28	.10	.29	<.01	.007	.01	.014
26...	6.6	.02	.2	.3	.41	.21	.56	<.01	.01	.01	.045
JUN											
29...	6.5	.04	.2	.3	.35	.14	.44	<.01	.009	<.01	.014
AUG											
03...	5.0	<.02	<.1	.2	--	.31	.48	<.01	.006	<.01	.011
30...	7.4	<.02	.2	.1	.37	.20	.34	<.01	.007	<.01	.005

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	BORON, DIS- SOLVED (µG/L AS B) (01020)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
NOV 1998										
09...	48	43	.2	16.1	15	E3	1.9	.2	5.5	1
DEC										
14...	60	43	.4	<16.0	E6	E4	1.7	<.2	1.9	.5
JAN 1999										
25...	38	31	--	E10.8	50	22	3.4	>4.0	22200	220
FEB										
01...	<10	--	--	<16.0	<10	<3	--	--	--	.7
01...	48	41	2	<16.0	19	12	2.4	.2	16	2
MAR										
10...	53	40	2	<16.0	19	12	2.0	.2	17	1
APR										
05...	40	34	2	<16.0	21	11	2.1	.2	25	2
MAY										
03...	48	39	1	<16.0	37	10	2.1	.2	31	5
26...	47	38	10	E8.7	42	6	3.2	1.0	276	15
JUN										
29...	44	45	.8	<16.0	28	18	2.1	.3	--	--
AUG										
03...	48	41	--	<16.0	14	8	2.0	.2	9.3	2
30...	47	43	.4	E8.2	21	13	1.9	.2	5.5	1

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WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES

REMARKS.--Selected samples were analyzed for volatile organic compounds (VOCs) on schedule 2020/2021 (listed with minimum reporting levels on pages 430-431). Only VOCs identified by the analyses in one or more samples are listed in the water-quality tables.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	CARBON DI- SULFIDE WATER WHOLE TOTAL (µG/L) (77041)	1,1,1- TRI- CHLORO- ETHANE TOTAL (µG/L) (34506)	1,1-DI- CHLORO- ETHANE TOTAL (µG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (µG/L) (34501)	ACETONE WATER WHOLE TOTAL (µG/L) (81552)	1,2,3- TRI- CHLORO- BENZENE WAT, WH REC (µG/L) (77613)	BENZENE 123-TRI METHYL- WATER RECOVER (µG/L) (77221)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (µG/L) (34551)	BENZENE 124-TRI METHYL UNFILTRD RECOVER (µG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFILTRD REC (µG/L) (77226)
APR 1999 05...	1340	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	<.056	<.044
JUN 29...	1200	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	<.056	<.044
AUG 30...	1300	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	<.056	<.044
DATE	UNFILTRD REC (µG/L) (34566)	BENZENE 1,3-DI- CHLORO- WATER UNFILTRD REC (µG/L) (34571)	ISO- PROPYL- BENZENE WATER WHOLE REC (µG/L) (77223)	BENZENE N-BUTYL WATER UNFILTRD REC (µG/L) (77342)	BENZENE N-PROPY WATER UNFILTRD REC (µG/L) (77224)	BENZENE O-DI- CHLORO- WATER UNFILTRD REC (µG/L) (34536)	BENZENE TOTAL (µG/L) (34030)	BROMO- FORM TOTAL (µG/L) (32104)	CHLORO- BENZENE TOTAL (µG/L) (34301)	CHLORO- DI- BROMO- METHANE TOTAL (µG/L) (32105)	CHLORO- FORM TOTAL (µG/L) (32106)
APR 1999 05...	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	<.052
JUN 29...	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	<.052
AUG 30...	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	<.052
DATE	ETHYLENE WATER TOTAL (µG/L) (77093)	CIS-1,2 DI- CHLORO- ETHENE WATER TOTAL (µG/L) (32101)	BROMO- DI- CHLORO- METHANE TOTAL (µG/L) (81576)	ETHER TERT- ETHYL PENTYL METHYL UNFILTRD RECOVER (µG/L) (50005)	ETHER TERT- ETHYL METHYL UNFILTRD TOTAL (µG/L) (34371)	FURAN, TETRA- HYDRO- WATER UNFILTRD RECOVER (µG/L) (81607)	ISO- DURENE WATER UNFILTRD RECOVER (µG/L) (50000)	METHYL TERT- BUTYL ETHER WAT UNF REC (µG/L) (78032)	METHYL- CHLORO- RIDE TOTAL (µG/L) (34418)	METHYL- ENE CHLORO- RIDE TOTAL (µG/L) (34423)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (µG/L) (81595)
APR 1999 05...	<.038	<.048	<.17	<.11	<.03	<9	<.2	<.17	<.25	<.38	<1.6
JUN 29...	<.038	<.048	<.17	<.11	<.03	<9	<.2	<.17	<.25	<.38	<1.6
AUG 30...	<.038	<.048	<.17	<.11	<.03	<9	<.2	<.17	<.25	<.38	<1.6
DATE	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (µG/L) (78133)	META/ PARA- XYLENE WATER UNFILTRD REC (µG/L) (85795)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (µG/L) (77275)	O- XYLENE WATER WHOLE TOTAL (µG/L) (77135)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (µG/L) (77356)	PREH- NITENE WATER UNFILTRD RECOVER (µG/L) (49999)	STYRENE TOTAL (µG/L) (77128)	TETRA- CHLORO- ETHYL- ENE TOTAL (µG/L) (34475)	TOLUENE O-ETHYL WATER UNFILTRD RECOVER (µG/L) (77220)	TOLUENE TOTAL (µG/L) (34010)	TRI- CHLORO- ETHYL- ENE TOTAL (µG/L) (39180)
APR 1999 05...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	<.05	<.038
JUN 29...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	<.05	<.038
AUG 30...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	<.05	<.038

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

WATER-COLUMN PESTICIDE ANALYSES

REMARKS.--Selected samples were analyzed for pesticides on schedule 2001 (listed with minimum reporting levels on page 429). Only pesticides identified by the analyses in one or more samples are listed in the water-quality tables.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	ACETO- CHLOR, WATER, FLTRD (µG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (µG/L) (46342)	ATRA- ZINE, WATER, DISS, REC, (µG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 µ GF, REC (µG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 µ GF, REC (µG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 µ GF, REC (µG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (µG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (µG/L) (04041)	DCPA WATER FLTRD 0.7 µ GF, REC (µG/L) (82682)
JAN 1999										
25...	1100	<.002	<.002	<.001	<.002	<.003	<.003	<.004	<.004	<.002
FEB										
01...	1400	<.002	<.002	.0056	<.002	<.003	<.003	<.004	<.004	<.002
MAR										
10...	1430	<.002	<.002	<.001	<.002	<.003	<.003	<.004	<.004	<.002
APR										
05...	1340	<.002	<.002	<.001	<.002	<.003	<.003	<.004	<.004	<.002
MAY										
03...	1320	<.002	<.002	E.0038	<.002	<.003	<.003	<.004	<.004	<.002
26...	1230	<.002	<.002	.0121	<.002	<.003	<.003	<.004	<.004	<.002
AUG										
03...	1100	<.002	<.002	.0119	<.002	<.003	<.020	<.004	<.004	<.002
30...	1300	<.002	<.002	.0079	<.002	<.003	<.003	<.004	<.004	<.002

DATE	DEETHYL ATRA- ZINE, WATER, DISS, REC (µG/L) (04040)	DI- AZINON, DIS- SOLVED (µG/L) (39572)	DI- ELDRIN DIS- SOLVED (µG/L) (39381)	EPTC WATER FLTRD 0.7 µ GF, REC (µG/L) (82668)	LINDANE DIS- SOLVED (µG/L) (39341)	LIN- URON WATER FLTRD 0.7 µ GF, REC (µG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 µ GF, REC (µG/L) (82686)	METO- LACHLOR WATER DISSOLV (µG/L) (39415)	METRI- BUZIN WATER DISSOLV (µG/L) (82630)
JAN 1999									
25...	<.002	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0042
FEB									
01...	<.002	<.002	<.001	<.002	<.004	<.002	<.005	E.0173	.0051
MAR									
10...	<.002	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0050
APR									
05...	<.004	<.002	<.001	<.002	<.004	<.002	<.005	<.001	E.00058
MAY									
03...	E.0016	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0044
26...	E.0024	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0136
AUG									
03...	E.0067	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0092
30...	E.0067	<.002	<.001	<.002	<.004	<.002	<.005	<.006	E.0039

DATE	NAPROP- AMIDE WATER FLTRD 0.7 µ GF, REC (µG/L) (82684)	P,P' DDE DISSOLV (µG/L) (34653)	PENDI- METH- ALIN WAT FLT 0.7 µ GF, REC (µG/L) (82683)	PRO- METON, WATER, DISS, REC (µG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 µ GF, REC (µG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 µ GF, REC (µG/L) (82679)	SI- MAZINE, WATER, DISS, REC (µG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 µ GF, REC (µG/L) (82670)	TER- BACIL WATER FLTRD 0.7 µ GF, REC (µG/L) (82665)	TRI- FLUR- ALIN WAT FLT 0.7 µ GF, REC (µG/L) (82661)
JAN 1999										
25...	<.003	<.006	<.004	<.018	<.003	<.004	<.005	<.010	<.007	<.002
FEB										
01...	<.003	<.006	<.004	<.018	<.003	<.004	.0073	<.010	<.007	<.002
MAR										
10...	<.003	<.006	<.004	<.018	<.003	<.004	<.005	<.010	<.007	<.002
APR										
05...	<.003	<.006	<.004	<.018	<.003	<.004	E.0019	<.010	<.007	<.002
MAY										
03...	<.003	<.006	<.004	<.018	<.003	<.004	E.0041	<.010	<.007	<.002
26...	<.003	<.006	<.004	<.018	<.003	<.004	.0058	<.010	<.007	<.002
AUG										
03...	<.003	<.006	<.004	<.018	<.003	<.004	.0081	<.010	<.007	<.002
30...	<.003	<.006	<.004	<.018	<.003	<.004	.0057	<.010	<.007	<.002

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

TEMPERATURE, WATER (DEG. C), 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	---	---	---	10.0	9.0	9.5	7.5	6.5	7.0	.0	.0	.0
2	---	---	---	10.0	9.0	9.5	6.5	5.5	6.0	.0	.0	.0
3	---	---	---	9.0	8.0	8.5	7.0	6.0	6.5	---	---	---
4	---	---	---	8.0	6.5	7.5	8.0	6.5	7.0	---	---	---
5	---	---	---	8.0	6.0	7.0	8.0	7.0	7.5	.0	.0	.0
6	---	---	---	7.5	6.0	7.0	8.5	7.5	8.0	.0	.0	.0
7	---	---	---	7.0	5.5	6.5	9.5	8.0	8.5	.5	.0	.0
8	---	---	---	7.0	6.5	6.5	9.0	7.5	8.0	.0	.0	.0
9	---	---	---	7.5	6.5	7.0	7.5	6.0	7.0	.0	.0	.0
10	---	---	---	7.0	6.0	6.5	6.0	5.0	5.5	.0	.0	.0
11	---	---	---	9.0	7.0	8.0	5.5	4.0	4.5	.0	.0	.0
12	---	---	---	8.5	7.0	8.0	4.0	3.0	3.5	.0	.0	.0
13	---	---	---	7.5	6.5	7.0	3.5	2.5	3.0	.0	.0	.0
14	---	---	---	7.5	6.0	7.0	---	---	---	.0	.0	.0
15	---	---	---	8.0	7.0	7.5	---	---	---	.0	.0	.0
16	---	---	---	7.5	6.5	7.0	---	---	---	.0	.0	.0
17	---	---	---	7.5	7.0	7.0	---	---	---	.5	.0	.0
18	---	---	---	7.5	6.0	7.0	---	---	---	.5	.0	.0
19	---	---	---	6.5	5.0	5.5	---	---	---	.5	.0	.0
20	---	---	---	6.0	6.0	6.0	---	---	---	1.0	.0	.0
21	---	---	---	6.5	5.5	6.0	---	---	---	---	---	---
22	---	---	---	6.0	4.5	5.5	---	---	---	---	---	---
23	---	---	---	6.0	4.0	5.5	---	---	---	---	---	---
24	---	---	---	6.5	5.5	6.0	1.0	.0	.5	---	---	---
25	---	---	---	6.5	5.0	5.5	1.0	.0	.0	---	---	---
26	---	---	---	6.5	5.5	6.0	.0	.0	.0	2.0	1.0	1.5
27	---	---	---	6.0	5.5	6.0	.5	.0	.0	2.0	1.0	1.5
28	---	---	---	6.0	4.5	5.5	.5	.0	.0	2.5	1.5	2.0
29	---	---	---	6.5	5.0	6.0	.0	.0	.0	2.5	1.5	2.0
30	11.0	10.0	10.5	7.5	6.5	7.0	.0	.0	.0	2.0	.5	1.5
31	10.5	9.0	10.0	---	---	---	.0	.0	.0	1.0	.0	.5
MONTH	---	---	---	10.0	4.0	7.0	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	1.0	.0	.5	3.5	2.5	3.0	9.5	8.0	8.5	16.5	12.5	14.5
2	1.5	.5	1.0	4.0	2.5	3.0	10.0	8.5	9.5	17.0	13.5	15.5
3	2.5	1.5	1.5	4.5	2.5	3.5	11.0	9.0	10.0	16.0	14.5	15.0
4	2.5	1.5	2.0	5.0	3.0	4.5	11.5	10.5	11.0	15.0	14.0	14.5
5	3.0	1.5	2.5	3.0	2.0	2.5	11.5	9.0	10.5	16.5	14.0	15.0
6	2.0	1.5	2.0	2.5	1.5	2.0	11.5	9.5	10.5	17.0	16.0	16.0
7	2.0	1.5	2.0	1.5	.5	1.0	12.0	10.0	11.0	16.0	15.5	15.5
8	2.5	1.5	2.0	1.5	.0	.5	13.0	11.0	12.0	16.0	15.0	15.5
9	2.0	1.0	1.5	1.5	.0	.5	12.5	10.5	11.5	16.5	14.0	15.5
10	3.0	1.5	2.0	2.5	.5	1.5	11.5	9.5	10.5	18.0	14.5	16.5
11	3.5	2.0	3.0	2.5	.0	1.0	10.5	8.5	9.5	18.5	15.0	17.0
12	4.0	3.0	3.5	2.0	.5	1.0	9.5	7.5	8.5	19.0	15.5	17.0
13	3.5	2.5	3.0	3.0	.0	1.5	10.0	7.5	9.0	19.5	16.0	18.0
14	2.5	1.0	1.5	3.5	1.5	2.5	10.5	8.5	9.5	19.5	17.0	18.5
15	2.0	.0	1.0	3.5	1.5	2.5	10.5	9.0	10.0	19.5	17.0	18.5
16	2.5	1.0	1.5	4.5	1.5	3.0	10.0	9.0	10.0	19.5	17.0	18.5
17	2.0	2.0	2.0	6.5	3.0	4.5	9.5	8.5	9.0	19.5	17.0	18.5
18	2.5	2.0	2.5	7.5	5.0	6.0	10.5	8.5	9.5	19.5	18.0	19.0
19	4.0	2.0	3.0	6.5	5.0	5.5	10.5	9.0	10.0	19.5	18.0	19.0
20	3.0	2.0	2.5	6.5	4.0	5.5	10.0	9.0	9.5	19.5	16.5	18.5
21	2.5	1.0	2.0	5.5	4.5	4.5	11.0	8.5	10.0	20.0	16.5	18.5
22	1.0	.0	.5	4.5	3.5	4.0	11.0	10.0	10.5	21.0	17.0	19.5
23	1.0	.0	.5	4.5	2.5	3.5	10.5	10.0	10.5	20.0	18.0	18.5
24	1.5	.0	1.0	4.5	3.5	4.0	11.0	8.5	10.0	18.0	17.5	18.0
25	2.0	.0	1.5	5.5	3.5	4.5	11.5	9.0	10.5	17.5	16.0	16.5
26	3.5	1.5	2.5	6.0	3.5	5.0	12.5	9.5	11.0	16.0	14.5	15.5
27	4.0	1.5	2.5	6.5	4.0	5.5	13.5	11.0	12.0	16.5	14.0	15.5
28	3.0	2.0	2.5	6.5	6.0	6.5	14.0	11.0	12.5	17.5	14.5	16.0
29	---	---	---	8.5	6.0	7.5	15.0	11.0	13.0	19.5	16.0	18.0
30	---	---	---	9.0	7.0	8.0	16.0	12.0	14.0	21.5	17.5	19.5
31	---	---	---	9.5	7.0	8.0	---	---	---	23.5	19.0	21.5
MONTH	4.0	.0	2.0	9.5	.0	3.5	16.0	7.5	10.5	23.5	12.5	17.0

**DELAWARE RIVER BASIN**

**01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued**

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.0	20.5	22.5	25.0	23.5	24.5	28.0	25.0	26.5	22.0	20.0	21.5
2	24.5	21.5	23.0	25.5	23.5	24.5	26.5	23.5	25.0	23.0	20.5	22.0
3	24.0	21.0	23.0	27.5	23.5	25.5	25.0	22.5	24.0	24.0	21.5	23.0
4	23.5	20.0	22.0	28.5	23.5	26.0	24.5	21.5	23.5	24.0	22.0	23.5
5	23.0	19.5	21.5	30.5	27.0	28.5	24.5	22.0	23.0	24.0	23.0	23.5
6	23.5	20.5	22.0	30.0	26.5	28.5	24.5	21.5	23.0	25.0	23.0	24.0
7	25.5	22.0	24.0	29.0	24.5	27.0	24.5	21.5	23.0	24.5	23.5	24.0
8	26.5	22.5	24.5	27.0	23.0	25.5	23.5	22.0	23.0	25.0	23.5	24.0
9	26.5	22.5	24.5	26.0	24.5	25.0	23.0	21.0	22.0	25.0	23.0	24.0
10	25.0	22.5	23.5	25.0	22.5	24.0	22.0	20.0	21.5	24.0	23.0	23.5
11	24.0	21.5	23.0	24.0	21.0	23.0	22.5	20.0	21.5	23.5	21.5	22.5
12	24.0	21.0	23.0	23.5	21.5	23.0	24.0	21.0	22.5	23.0	20.5	22.0
13	24.5	23.0	23.5	24.5	22.0	23.5	23.0	22.0	22.5	23.0	21.5	22.0
14	24.5	23.0	23.5	24.0	22.0	23.0	24.0	21.5	22.5	22.5	21.0	22.0
15	24.5	22.0	23.5	25.0	21.0	23.0	23.0	22.0	22.5	22.0	21.0	21.5
16	23.0	20.5	22.0	27.0	23.0	25.0	24.0	21.0	22.5	21.0	16.5	19.0
17	22.0	19.0	20.5	28.0	24.0	26.0	24.5	21.5	23.0	16.5	15.5	16.0
18	21.0	18.5	20.0	28.0	25.0	26.5	24.5	23.0	23.5	16.0	15.0	15.5
19	22.5	18.5	20.5	27.0	24.5	26.0	24.0	22.5	23.5	17.5	15.5	16.5
20	23.0	20.5	22.0	28.0	24.0	26.0	23.5	21.5	22.5	17.5	16.5	17.0
21	23.5	21.0	22.5	26.5	24.5	25.0	21.5	19.5	20.5	17.5	16.5	17.0
22	25.0	21.0	23.0	24.5	22.5	23.5	20.0	19.0	19.5	16.5	14.5	15.5
23	25.5	21.0	23.5	26.5	22.5	24.5	21.5	18.5	20.5	15.5	13.5	15.0
24	25.5	22.0	24.0	27.0	24.0	25.5	22.5	20.0	21.5	16.5	14.5	15.5
25	24.5	22.5	24.0	27.0	24.0	25.5	23.0	21.0	22.0	17.5	15.5	16.5
26	26.5	23.0	25.0	27.0	24.5	26.0	22.5	21.5	22.0	17.5	15.5	16.5
27	26.5	23.5	25.0	27.0	24.0	25.5	23.0	21.0	22.0	18.5	16.0	17.5
28	28.5	26.0	27.0	26.5	23.5	25.5	24.5	21.5	23.0	19.0	17.0	18.0
29	28.0	23.5	26.0	26.5	23.5	25.0	24.5	22.5	23.5	19.5	18.0	19.0
30	26.0	22.5	24.5	27.5	24.0	25.5	23.0	21.0	22.0	19.0	17.5	18.5
31	---	---	---	27.5	24.5	26.0	22.0	20.0	21.5	---	---	---
MONTH	28.5	18.5	23.0	30.5	21.0	25.0	28.0	18.5	22.5	25.0	13.5	20.0