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^2.

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^2 of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi^2 of drainage area controlled by Cannonsville Reservoir. 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-00-1.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to current degree of regulation, 233,000 ft^3/s, Aug. 19, 1955, gage height, 23.91 ft, from floodmarks in gage house, from rating curve extended above 89,000 ft^3/s, on basis of slope-area measurement of peak flow; maximum discharge since current degree of regulation, 134,000 ft^3/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^3/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^3/s, Oct. 10, 1903, gage height, 23.1 ft, from rating curve extended above 70,000 ft^3/s, by velocity-area studies; maximum gage height, 25.5 ft, Mar. 8, 1904 (ice jam).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,500 ft^3/s, Feb. 28, gage height, 9.39 ft; minimum, 1,280 ft^3/s, Sept. 1, gage height, 2.14 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2830	1810	e5000	2810	e2800	15700	7740	6350	6430	4240	3420	1860
2	3060	2350	e4300	2180	e2900	13100	6650	5870	5880	3490	3640	2010
3	2140	3120	e3800	2310	e2900	12300	6370	5290	4980	2880	3360	2070
4	2150	4430	e3400	2790	e2600	10600	7810	4870	3860	3000	3070	2220
5	3370	3850	e3300	3180	e2700	9250	14800	4480	3790	3240	2660	1830
6	3650	3160	e3200	3190	e2400	8550	13300	3870	6970	2760	1890	1900
7	2950	2540	e3300	2810	e2500	7900	11500	3260	18900	2330	2580	1960
8	2630	2400	e3300	2540	e3200	7850	9160	3460	16400	2200	3510	1850
9	2370	2190	e3000	2160	e3100	9240	10200	3840	12900	1680	2930	1880
10	2320	2090	e2700	2470	e2900	11700	12100	3580	10600	1630	3060	1660
11	3130	2020	e2600	4170	e2600	12900	11300	6560	8700	1910	2640	1770
12	3850	2010	e2500	4710	e2800	20500	10200	7190	9210	1870	5550	2040
13	3290	1890	e2400	4220	e2300	22500	9240	9520	10600	1820	8400	2800
14	3110	1790	e2600	3950	e2500	16700	8430	11100	11700	1630	4830	6080
15	3560	1910	e3800	3270	e4000	13800	7560	11400	12300	1970	3950	4400
16	3310	1660	e4700	2580	e6400	12000	6850	9370	10800	3170	3720	3790
17	2620	1600	e5000	2600	e7000	13000	6920	8250	9300	6180	3120	2870
18	2350	1570	e4500	2700	e6000	14600	9930	7570	8420	5250	2810	2570
19	2570	1480	e4000	2630	e5600	12800	14700	9030	8960	3610	2290	2770
20	2450	1510	e3500	e2700	e4700	11100	13000	13700	8500	2860	1830	2830
21	2530	1510	e4300	e2700	e4400	9660	10900	13300	7180	2750	1790	2930
22	2690	1480	e4500	2980	e4100	8790	14400	12100	7410	2420	2150	2450
23	2600	1470	e4400	2390	e4100	7990	15100	13800	7800	2310	1950	2130
24	2200	1480	e4000	2560	e4300	7100	15200	17700	6410	2210	2570	1570
25	2620	1470	e3100	3000	5450	6120	14000	25300	5210	2310	2530	1710
26	2580	1640	e3300	e2800	9090	5380	12400	20400	4980	2260	2260	2190
27	2500	4980	e3100	e2800	13200	5370	11000	15900	6560	3280	1710	2320
28	2540	8590	e3100	e2900	27400	7680	9900	12800	5930	3470	1580	2560
29	2240	6720	e3000	e3000	24200	12100	8230	10700	4940	2630	1730	2430
30	2120	5470	e2800	e2300	---	10700	6880	9270	4940	2340	1820	2320
31	1590	---	2690	e2300	---	9310	---	7680	---	3010	1900	---
TOTAL	83920	80190	109190	89700	168140	346290	315770	297510	250560	86710	91250	73770
MEAN	2707	2673	3522	2894	5798	11170	10530	9597	8352	2797	2944	2459
MAX	3850	8590	5000	4710	27400	22500	15200	25300	18900	6180	8400	6080
MIN	1590	1470	2400	2160	2300	5370	6370	3260	3790	1630	1580	1570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

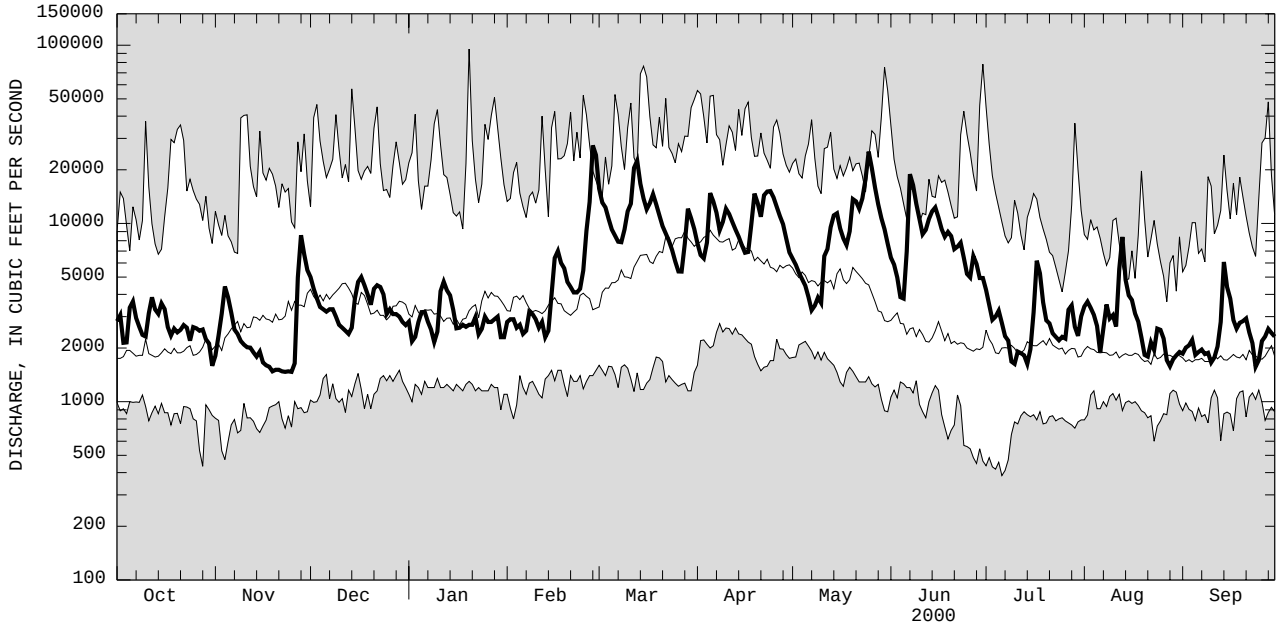
MEAN	2978	4101	5125	4863	5160	8091	9430	6182	3900	2716	2241	2415
MAX	10440	10310	17280	12980	13730	17520	23650	12670	12650	6680	4513	7928
(WY)	1978	1973	1997	1996	1976	1977	1993	1984	1972	1973	1969	1987
MIN	1001	884	1475	1216	1601	2583	2954	1890	993	699	963	1144
(WY)	1965	1965	1999	1981	1980	1981	1985	1995	1965	1965	1965	1965

e Estimated.

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	1232760		1993000			
ANNUAL MEAN	3377		5445		4762	
HIGHEST ANNUAL MEAN					7216	1973
LOWEST ANNUAL MEAN					2028	1965
HIGHEST DAILY MEAN	36000	Jan 25	27400	Feb 28	95200	Jan 20 1996
LOWEST DAILY MEAN	1000	Jan 2	1470	Nov 23	385	Jul 6 1965
ANNUAL SEVEN-DAY MINIMUM	1390	Sep 7	1490	Nov 19	432	Jul 1 1965
10 PERCENT EXCEEDS	6020		12100		10300	
50 PERCENT EXCEEDS	2490		3300		2850	
90 PERCENT EXCEEDS	1570		1900		1500	



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

DELAWARE RIVER BASIN

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

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^2.

PERIOD OF RECORD.--Water years 1957-60, 1964 to January 1994, June 1997, November 1998 to current year.
CHEMICAL DATA: 1958-59, 1964-65, 1966, 1967-68, 1969-76, 1987, 1988-89, 1990-91, 1992, 1997, 1999 to current year.
MINOR ELEMENTS DATA: 1970, 1972-73, 1974-76, 1987, 1988-89, 1990-91, 1992.
PESTICIDE DATA: 1974, 1987, 1988-89, 1990, 1997, 1999 to current year.
ORGANIC DATA: OC--1974, 1975, 1999 to current year.
NUTRIENT DATA: 1968, 1969-76, 1987, 1988-89, 1990, 1999 to current year.
BIOLOGICAL DATA:
Bacteria--1973-76.
Phytoplankton--1974, 1975-76.
Periphyton--1976.
SEDIMENT DATA: 1959, 1976, 1988, 1989, 1990-91, 1992, 1999 to current year.

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). For the definition of the type of quality-control data listed under SAMPLE TYPE, refer to "*Quality-Control Data*" in the "*Explanation of Records*" section in the Introduction.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum (water years 1957-59, 1973-81, 1983-84, 1988- 93, 1999-2000), 30.5°C, July 5, 1999; minimum (water years 1958-60, 1973, 1975-93, 1999-2000), 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)
OCT 1999									
04...	1320	ENVIRONMENTAL	2080	752	--	--	7.2	78	15.5
NOV									
01...	1420	ENVIRONMENTAL	1770	762	116	12.6	7.7	80	19.5
30...	1500	ENVIRONMENTAL	4630	761	111	14.1	7.1	61	1.0
JAN 2000									
03...	*1439*	*FIELD BLANK*	--	--	--	--	--	--	--
03...	1440	ENVIRONMENTAL	2170	752	112	15.1	6.9	74	15.0
03...	*1441*	*SPLIT REPLICATE*	--	--	--	--	--	--	--
MAR									
01...	1240	ENVIRONMENTAL	15400	749	87	11.6	6.9	68	13.0
APR									
03...	1350	ENVIRONMENTAL	6120	749	119	13.5	7.0	77	22.0
MAY									
01...	1540	ENVIRONMENTAL	6480	--	--	--	6.5	72	32.0
24...	1440	ENVIRONMENTAL	15900	736	109	10.7	7.3	64	29.0
JUN									
27...	1000	ENVIRONMENTAL	5940	746	106	8.9	7.2	71	29.0
JUL									
31...	1100	ENVIRONMENTAL	2320	752	97	8.4	7.4	82	26.5
SEP									
07...	1010	ENVIRONMENTAL	2030	760	114	10.5	7.6	84	16.0

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TEMPER-ATURE WATER (DEG C) (00010)	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)	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)
OCT 1999											
04...	15.0	22	6.51	1.34	.8	5.5	11	14	8.8	<.1	1.1
NOV											
01...	11.5	22	6.47	1.33	.6	5.3	11	14	9.1	<.1	1.0
30...	5.0	17	5.11	1.12	.7	3.2	10	12	5.9	<.1	3.4
JAN 2000											
03...	--	--	*.02*	*<.01*	*<.2*	*<.1*	--	--	*<.3*	*<.1*	*<.1*
03...	2.5	21	6.14	1.29	.6	5.0	9	11	8.7	<.1	2.6
03...	--	*21*	*6.18*	*1.29*	*.6*	*5.0*	--	--	*8.6*	*<.1*	*2.6*
MAR											
01...	3.0	16	4.78	1.03	.7	5.2	6	7	8.4	<.1	3.2
APR											
03...	9.0	19	5.71	1.25	.5	5.2	11	13	8.6	<.1	2.0
MAY											
01...	13.0	18	5.43	1.17	.6	5.2	9	10	8.4	<.1	2.0
24...	14.5	17	5.19	1.05	.6	4.2	11	13	6.4	<.1	2.6
JUN											
27...	22.5	20	6.12	1.24	.7	4.6	13	16	6.9	<.1	1.8
JUL											
31...	22.0	22	6.58	1.31	.8	5.7	--	--	9.0	<.1	1.3
SEP											
07...	19.0	24	7.23	1.36	.8	5.8	15	18	9.3	<.1	1.2

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (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)
OCT 1999											
04...	8.4	<.020	E.10	.21	--	<.050	--	<.010	E.004	<.010	.010
NOV											
01...	7.9	<.020	.16	.30	--	<.050	--	<.010	<.006	<.010	.011
30...	7.9	<.020	.16	.24	.46	.296	.53	<.010	.006	<.010	.023
JAN 2000											
03...	*<.3*	*<.020*	*<.10*	*<.10*	--	*<.050*	--	*<.010*	*<.006*	*<.010*	*<.008*
03...	8.5	<.020	.14	.13	.39	.254	.38	<.010	E.004	<.010	E.006
03...	*8.4*	*<.020*	*.15*	*.13*	*.41*	*.258*	*.38*	*<.010*	*E.003*	*<.010*	*E.006*
MAR											
01...	6.4	<.020	.14	.22	.57	.430	.65	<.010	.011	<.010	.030
APR											
03...	6.9	<.020	.12	.17	.37	.247	.42	<.010	E.004	<.010	.008
MAY											
01...	6.6	<.020	.15	.30	.32	.169	.47	<.010	E.004	<.010	.012
24...	7.0	<.020	.17	.26	.35	.179	.44	<.010	.009	<.010	.027
JUN											
27...	6.6	<.020	.16	.24	.26	.102	.34	<.010	.007	.014	.022
JUL											
31...	6.1	<.020	.19	.23	.39	.200	.43	<.010	.011	<.010	.023
SEP											
07...	5.7	<.020	.18	.22	.27	.090	.31	<.010	.011	.010	.015

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 PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT 1999										
04...	44	39	1	<16	30	9	3.0	<.2	4.5	1
NOV										
01...	47	39	<1	E9	20	6	2.2	<.2	2.8	1
30...	46	34	4	E9	30	5	3.2	<.2	28	2
JAN 2000										
03...	*<10*	--	--	*<16*	*<10*	*E1*	--	--	--	*M*
03...	44	40	--	<16	20	5	2.1	.2	6.5	1
03...	*44*	--	--	*<16*	*20*	*5*	--	--	--	--
MAR										
01...	43	35	12	<16	30	18	2.8	.4	489	12
APR										
03...	38	38	2	<16	20	9	2.0	.2	33	2
MAY										
01...	42	35	--	E9	40	9	2.3	<.2	16	1
24...	44	34	10	<16	40	9	2.8	.3	387	9
JUN										
27...	44	36	4	E8	60	7	2.9	.2	39	2
JUL										
31...	49	41	3	E14	40	12	2.8	<.2	27	4
SEP										
07...	58	41	1	E12	80	9	2.8	<.2	6.7	1

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES

REMARKS.--Selected samples were analyzed for volatile organic compounds (VOCs) on schedule 2020 (listed with minimum reporting levels on pages 464-465). Only VOCs identified by the analyses in one or more samples are listed in the water-quality tables.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	1,1,1-TRI-CHLORO-ETHANE TOTAL (µG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (µG/L) (34511)	1,1-DI-CHLORO-ETHANE TOTAL (µG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (µG/L) (34501)	1,2-DI-CHLORO-PROPANE TOTAL (µG/L) (34541)	ACETONE WATER WHOLE TOTAL (µG/L) (81552)	BENZENE 123-TRI METHYL-WATER UNFLTRD RECOVER (µG/L) (77221)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (µG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (µG/L) (77222)
NOV 1999										
01...	1420	<.03	<.06	<.07	<.04	<.07	<7	<.1	<.2	<.06
MAR 2000										
01...	1240	<.03	<.06	<.07	<.04	<.07	<7	<.1	<.2	<.06
MAY										
24...	1440	<.03	<.06	<.07	<.04	<.07	<7	<.1	<.2	<.06
JUN										
27...	1000	<.03	<.06	<.07	<.04	<.07	<7	<.1	<.2	<.06

DATE	BENZENE 135-TRI METHYL WATER UNFLTRD REC (µG/L) (77226)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (µG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (µG/L) (34571)	ISO-PROPYL-BENZENE WATER WHOLE REC (µG/L) (77223)	BENZENE N-BUTYL WATER UNFLTRD REC (µG/L) (77342)	BENZENE N-PROPY WATER UNFLTRD REC (µG/L) (77224)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (µG/L) (34536)	BENZENE TOTAL (µG/L) (34030)	BROMO-FORM TOTAL (µG/L) (32104)	CARBON DI-SULFIDE WATER WHOLE TOTAL (µG/L) (77041)
NOV 1999										
01...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.04	<.06	<.07
MAR 2000										
01...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.04	<.06	<.07
MAY										
24...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.04	<.06	<.07
JUN										
27...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.04	<.06	<.07

DATE	CARBON TETRA-CHLO-RIDE TOTAL (µG/L) (32102)	CHLORO-BENZENE TOTAL (µG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (µG/L) (32105)	CHLORO-ETHANE TOTAL (µG/L) (34311)	CHLORO-FORM TOTAL (µG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (µG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (µG/L) (32101)	ETHER ETHYL WATER UNFLTRD RECOVER (µG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (µG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (µG/L) (50005)
NOV 1999										
01...	<.06	<.03	<.2	<.1	<.05	<.04	<.05	<.2	<.05	<.1
MAR 2000										
01...	<.06	<.03	<.2	<.1	<.05	<.04	<.05	<.2	<.05	<.1
MAY										
24...	<.06	<.03	<.2	<.1	<.05	<.04	<.05	<.2	<.05	<.1
JUN										
27...	<.06	<.03	<.2	<.1	<.05	<.04	<.05	<.2	<.05	<.1

DATE	ETHYL-BENZENE TOTAL (µG/L) (34371)	FREON-113 WATER UNFLTRD REC (µG/L) (77652)	FURAN, TETRA-HYDRO-WATER UNFLTRD RECOVER (µG/L) (81607)	ISO-DURENE WATER UNFLTRD RECOVER (µG/L) (50000)	METHYL TERT-BUTYL ETHER WAT UNF REC (µG/L) (78032)	METHYL-CHLO-RIDE TOTAL (µG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (µG/L) (34423)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (µG/L) (81595)	METHYL ISO-BUTYL KETONE WAT.WH. TOTAL (µG/L) (78133)	META/PARA-XYLENE WATER UNFLTRD REC (µG/L) (85795)
NOV 1999										
01...	<.03	<.06	<2	<.2	<.2	<.5	<.4	<2	<.4	<.06
MAR 2000										
01...	<.03	<.06	<2	<.2	<.2	<.5	<.4	<2	<.4	<.06
MAY										
24...	<.03	<.06	<2	<.2	E.1	<.5	<.4	<2	<.4	<.06
JUN										
27...	<.03	<.06	<2	<.2	<.2	<.5	<.4	<2	<.4	<.06

DATE	NAPHTH-ALENE TOTAL (µG/L) (34696)	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)	STYRENE TOTAL (µG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (µG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (µG/L) (77220)	TOLUENE TOTAL (µG/L) (34010)	TRI-CHLORO-ETHYL-ENE TOTAL (µG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (µG/L) (34488)
NOV 1999										
01...	<.2	<.04	<.04	<.07	<.04	<.1	<.06	<.05	<.04	<.09
MAR 2000										
01...	<.2	<.04	<.04	<.07	<.04	<.1	<.06	<.05	<.04	<.09
MAY										
24...	<.2	<.04	<.04	<.07	<.04	<.1	<.06	<.05	<.04	<.09
JUN										
27...	<.2	<.04	<.04	<.07	<.04	<.1	<.06	<.05	<.04	<.09

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

WATER-COLUMN PESTICIDE ANALYSES

REMARKS.--Selected samples were analyzed for pesticides using laboratory schedule 2001 (listed in its entirety, with minimum reporting levels on page 463). Only pesticides identified by the analyses in one or more samples are listed in the following table.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	ACETO-CHLOR, WATER FLTRD REC (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)	BUTYL-ATE, WATER, DISS, REC (µG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 µ GF, REC (µG/L) (82680)
OCT 1999								
04...	1320	ENVIRONMENTAL	<.002	<.002	E.004	<.002	<.002	<.003
NOV								
01...	1420	ENVIRONMENTAL	<.002	<.002	E.004	<.002	<.002	<.003
30...	1500	ENVIRONMENTAL	<.002	<.002	<.001	<.002	<.002	<.003
JAN 2000								
03...	1440	ENVIRONMENTAL	<.002	<.002	<.001	<.002	<.002	<.003
MAR								
01...	1240	ENVIRONMENTAL	<.002	<.002	E.004	<.002	<.002	<.003
APR								
03...	1350	ENVIRONMENTAL	<.002	<.002	.004	<.002	<.002	<.003
MAY								
01...	1540	ENVIRONMENTAL	<.002	<.002	E.004	<.002	<.002	<.003
01...	*1541*	*SPLIT REPLICATE*	*<.002*	*<.002*	*E.004*	*<.002*	*<.002*	*<.003*
24...	1440	ENVIRONMENTAL	<.002	<.002	.026	<.002	<.002	<.003
JUN								
27...	1000	ENVIRONMENTAL	<.002	<.002	.052	<.002	<.002	E.018
JUL								
31...	1100	ENVIRONMENTAL	<.002	<.002	.015	<.002	<.002	<.003
SEP								
07...	1010	ENVIRONMENTAL	<.002	<.002	.008	<.002	<.002	<.003

DATE	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)	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)	FONOFOS WATER DISS REC (µG/L) (04095)
OCT 1999									
04...	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.002	<.003
NOV									
01...	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.002	<.003
30...	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.002	<.003
JAN 2000									
03...	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.002	<.003
MAR									
01...	<.003	<.004	<.004	<.002	E.003	<.002	<.001	<.002	<.003
APR									
03...	<.003	<.004	<.004	<.002	E.005	<.002	<.001	<.002	<.003
MAY									
01...	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.002	<.003
01...	*<.003*	*<.004*	*<.004*	*<.002*	*E.004*	*<.002*	*<.001*	*<.002*	*<.003*
24...	<.003	E.003	<.004	<.002	E.006	<.002	<.001	<.002	<.003
JUN									
27...	<.003	<.004	<.004	E.002	E.007	E.001	<.001	<.002	<.003
JUL									
31...	<.003	<.004	<.004	<.002	E.006	<.002	<.001	<.002	<.003
SEP									
07...	<.003	<.004	<.004	<.002	E.005	<.002	<.001	<.002	<.003

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

WATER-COLUMN PESTICIDE ANALYSES--Continued

DATE	LINDANE DIS-SOLVED (µG/L) (39341)	LIN-URON WATER FLTRD 0.7 µ GF, REC (µG/L) (82666)	MALA-THION, DIS-SOLVED (µG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 µ GF, REC (µG/L) (82686)	METO-LACHLOR WATER DISSOLV (µG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (µG/L) (82630)	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)
OCT 1999									
04...	<.004	<.002	<.005	<.001	E.003	<.004	<.003	<.006	<.004
NOV									
01...	<.004	<.002	<.005	<.001	E.003	<.004	<.003	E.002	<.004
30...	<.004	<.002	<.005	<.001	E.004	<.004	<.003	<.006	<.004
JAN 2000									
03...	<.004	<.002	<.005	<.001	<.002	<.004	<.003	<.006	<.004
MAR									
01...	<.004	<.002	<.005	<.001	.005	<.004	<.003	<.006	<.004
APR									
03...	<.004	<.002	<.005	<.001	.007	<.004	<.003	<.006	<.004
MAY									
01...	<.004	<.002	<.005	<.001	.005	<.004	<.003	<.006	<.004
01...	*<.004*	*<.002*	*<.005*	*<.001*	*.005*	*<.004*	*<.003*	*<.006*	*<.004*
24...	<.004	<.002	<.005	<.001	.011	<.004	<.003	<.006	<.004
JUN									
27...	<.004	<.002	<.005	E.002	.015	<.004	<.003	E.001	<.004
JUL									
31...	<.004	<.002	<.005	<.001	.013	<.004	<.003	E.002	<.004
SEP									
07...	<.004	<.002	<.005	<.010	E.004	<.004	<.003	<.006	<.004

DATE	PRO-METON, WATER, DISS, REC (µG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 µ GF, REC (µG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (µG/L) (04024)	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)	TRIAL-LATE WATER FLTRD 0.7 µ GF, REC (µG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 µ GF, REC (µG/L) (82661)
OCT 1999									
04...	E.003	<.003	<.007	<.004	E.003	<.010	<.007	<.001	<.002
NOV									
01...	<.018	<.003	<.007	<.004	E.004	<.010	<.007	<.001	<.002
30...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
JAN 2000									
03...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
MAR									
01...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
APR									
03...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
MAY									
01...	<.018	<.003	<.007	<.004	<.005	<.010	<.007	<.001	<.002
01...	*<.018*	*<.003*	*<.007*	*<.004*	*<.005*	*<.010*	*<.007*	*<.001*	*<.002*
24...	<.018	<.003	<.007	<.004	E.004	<.010	<.007	<.001	E.001
JUN									
27...	E.004	<.003	<.007	<.004	.009	<.010	<.007	<.001	<.002
JUL									
31...	<.018	<.003	<.007	<.004	E.003	<.010	<.025	<.001	<.002
SEP									
07...	<.018	<.003	<.007	<.004	E.004	<.010	<.007	<.001	E.003

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			**MARCH**			**APRIL**			**MAY**	
1	---	---	---	---	---	---	8.5	6.0	7.5	---	---	---
2	---	---	---	---	---	---	9.0	8.0	8.5	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	4.5	3.0	3.5	---	---	---	---	---	---
15	---	---	---	6.0	3.5	4.5	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	6.0	5.0	6.0	---	---	---	---	---	---
18	---	---	---	5.0	3.5	4.0	---	---	---	---	---	---
19	---	---	---	5.0	3.0	4.0	---	---	---	---	---	---
20	---	---	---	6.0	4.0	5.0	---	---	---	---	---	---
21	---	---	---	6.0	5.5	5.5	---	---	---	---	---	---
22	---	---	---	7.0	5.5	6.5	---	---	---	---	---	---
23	---	---	---	9.0	6.5	7.5	---	---	---	---	---	---
24	---	---	---	10.5	8.0	9.0	---	---	---	---	---	---
25	---	---	---	10.5	8.5	9.5	---	---	---	15.5	14.0	14.5
26	---	---	---	12.0	9.5	11.0	---	---	---	15.0	14.0	15.0
27	---	---	---	11.0	9.5	10.5	---	---	---	15.0	13.5	14.5
28	---	---	---	10.5	9.5	10.0	---	---	---	15.5	14.0	14.5
29	---	---	---	10.0	8.5	9.0	---	---	---	15.5	15.0	15.0
30	---	---	---	8.5	7.5	8.0	---	---	---	16.0	14.5	15.5
31	---	---	---	8.0	6.5	7.5	---	---	---	17.5	15.5	16.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			**JULY**			**AUGUST**			**SEPTEMBER**	
1	19.5	16.5	18.0	23.0	20.5	21.5	22.5	21.5	22.0	24.0	22.5	23.5
2	20.5	18.0	19.5	24.0	21.5	22.5	24.0	21.5	22.5	24.5	23.0	23.5
3	20.5	19.0	20.0	23.5	22.0	23.0	23.5	22.5	23.0	25.0	23.0	24.0
4	21.0	19.0	20.0	24.5	22.0	23.5	24.5	22.5	23.5	25.5	23.5	24.5
5	19.0	17.5	18.0	25.0	22.5	24.0	24.5	22.0	23.0	23.5	21.5	22.5
6	17.5	14.0	15.5	24.5	22.0	23.0	23.0	21.5	22.0	21.5	19.5	20.5
7	15.0	13.0	14.0	23.5	21.0	22.0	23.5	21.5	22.5	21.0	18.5	20.0
8	16.0	14.5	15.0	22.5	20.0	21.5	24.5	22.5	23.5	21.0	18.5	20.0
9	18.0	15.5	17.0	22.5	20.0	21.5	26.0	23.0	24.5	22.0	19.5	21.0
10	20.0	17.5	18.5	24.5	21.5	23.0	25.5	23.0	24.0	22.0	21.0	21.5
11	21.5	19.0	20.0	24.5	22.0	23.5	25.0	23.5	24.0	22.0	21.0	21.5
12	20.5	19.5	20.0	25.0	21.0	23.0	23.5	19.0	22.5	22.0	21.0	21.5
13	19.5	17.5	18.5	25.0	21.5	23.5	19.0	18.5	19.0	22.5	20.5	21.5
14	17.5	15.5	16.0	24.0	22.0	23.5	20.0	19.0	19.5	21.5	20.0	20.5
15	17.0	15.5	15.5	23.5	21.0	22.5	21.5	19.5	20.5	20.5	19.5	20.0
16	19.5	16.5	18.0	23.0	20.5	21.5	23.0	20.5	22.0	19.5	18.0	18.5
17	21.0	19.0	20.0	23.0	21.0	22.0	22.5	20.5	21.5	18.5	16.5	17.5
18	20.5	18.0	19.5	23.0	20.5	21.5	21.5	19.5	20.5	19.5	16.0	18.0
19	18.5	17.5	18.0	22.0	20.0	21.0	21.0	18.5	20.0	18.5	17.0	18.0
20	19.5	17.0	18.5	22.5	20.0	21.0	21.5	18.5	20.0	20.5	18.0	19.5
21	19.5	19.0	19.5	23.0	20.5	21.5	21.0	18.5	20.0	21.0	19.5	20.0
22	21.0	19.0	20.0	23.0	20.5	21.5	21.5	19.0	20.5	20.0	18.0	19.0
23	21.5	20.0	20.5	23.0	20.5	22.0	21.0	20.0	20.5	19.0	17.5	18.0
24	21.5	20.0	21.0	22.5	21.0	21.5	22.5	20.0	21.0	18.5	17.5	18.0
25	23.0	20.5	21.5	22.5	20.5	21.5	23.0	20.5	22.0	17.5	16.0	16.5
26	24.5	22.0	23.0	22.0	20.0	21.0	23.5	21.0	22.0	16.5	15.0	15.5
27	23.5	22.5	23.0	20.0	19.0	19.5	24.0	21.5	22.5	16.5	14.0	15.5
28	23.0	21.0	22.0	22.0	19.5	21.0	23.0	22.0	22.5	17.0	15.0	16.0
29	22.5	21.0	22.0	22.5	21.5	22.0	23.5	22.0	22.5	16.0	14.0	15.0
30	22.0	20.5	21.5	22.0	21.5	22.0	23.0	21.5	22.0	16.0	13.5	15.0
31	---	---	---	22.5	21.5	22.0	23.5	21.5	22.5	---	---	---
MONTH	24.5	13.0	19.0	25.0	19.0	22.0	26.0	18.5	22.0	25.5	13.5	19.5