DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY
(Pennsylvania Water-Quality Network 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 National Geodetic Vertical Datum of 1929. 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 (station 01431700) 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. Information on the above lakes and reservoirs can be found in the annual Water-Data Report NY-04-1. 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 and telephone gage-height telemeters and National Weather Service telephone gage-height telemeter at station.

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, 46,500 ft^3/s, Mar. 22, gage height, 10.51 ft; minimum, 977 ft^3/s, Oct. 3, gage height, 1.93 ft.

REVISIONS.--Revised daily (in **Bold**), monthly and yearly discharges for 2003 water year and statistical summaries for period of record through 2003 water year are given below. These figures supersede those published in the report for 2003.

DISCHARGE, CUBIC FEET PER SECOND, **WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003**
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,430	2,950	4,210	e5,000	**2,920**	**4,330**	16,000	5,240	10,100	5,180	2,370	1,970
2	1,190	2,890	**e4,000**	14,800	**2,760**	**3,970**	14,000	5,170	16,700	4,760	2,840	13,200
3	1,140	2,730	**e3,800**	15,800	**2,870**	**e4,100**	13,500	8,510	12,300	4,110	3,720	25,300
4	1,370	2,380	**e3,400**	11,700	**3,210**	**e4,200**	12,500	9,050	10,900	3,410	3,520	31,700
5	1,840	2,250	**e2,900**	9,600	**3,680**	**4,360**	12,200	7,800	10,200	3,320	5,720	31,900
6	1,730	2,460	**e3,000**	8,440	**e4,500**	**e4,200**	12,400	6,920	9,040	3,330	7,070	20,100
7	1,690	3,730	**e2,700**	7,540	**4,250**	**e3,900**	12,000	6,190	8,290	3,070	7,080	14,100
8	1,740	3,660	**e2,600**	e5,800	**4,040**	**3,650**	11,300	5,520	9,750	2,870	5,460	11,100
9	1,540	3,090	**e2,500**	**e6,400**	**3,540**	**3,550**	10,500	5,180	8,390	2,650	5,830	8,830
10	1,710	2,560	**e2,400**	**e6,000**	**3,410**	**e3,400**	9,800	4,440	7,210	2,540	5,760	7,450
11	2,100	2,530	**e2,500**	**e5,600**	**3,410**	**e3,300**	9,860	3,880	6,430	2,610	5,820	6,600
12	7,980	2,600	**3,160**	**e5,200**	**e3,200**	**3,190**	10,300	4,310	6,800	4,090	13,400	5,570
13	11,700	4,070	**4,110**	**e4,900**	**e2,800**	**e3,100**	9,520	5,560	8,760	2,740	10,500	4,300
14	7,270	5,070	5,700	**e4,500**	**e2,900**	**e3,100**	8,670	5,250	11,200	2,340	9,100	3,880
15	5,260	4,370	7,510	**e4,000**	**e2,900**	**3,100**	8,040	4,980	14,000	2,510	8,320	5,360
16	5,090	4,270	7,410	**e3,700**	**e2,900**	**3,320**	7,450	4,610	10,800	2,160	6,850	13,300
17	20,300	8,130	6,340	**e3,400**	**e2,700**	6,420	6,860	4,310	8,780	2,260	4,970	10,800
18	14,700	14,200	5,270	**e3,300**	**e2,900**	13,900	6,330	3,840	7,770	2,430	4,650	8,670
19	9,330	12,400	4,590	**e3,200**	**e2,900**	24,300	5,590	3,560	7,230	2,200	4,180	8,180
20	7,030	9,680	5,310	**e3,200**	**2,990**	21,200	4,950	3,450	6,330	1,840	3,760	7,640
21	5,650	8,570	10,300	**e2,900**	**3,070**	36,500	4,830	3,250	11,800	1,930	3,430	6,510
22	4,640	8,250	9,150	**e3,000**	**3,510**	45,600	5,140	3,100	19,500	2,690	3,140	5,530
23	3,900	9,620	8,030	**e3,000**	**4,500**	41,900	5,090	3,000	18,800	5,120	2,570	13,000
24	3,070	9,480	7,050	**e3,100**	**5,930**	30,700	4,860	2,690	14,500	5,170	2,020	23,900
25	2,940	8,110	e6,200	**e3,200**	**6,150**	23,900	4,290	2,780	11,000	4,130	2,080	15,700
26	3,590	7,040	e5,000	**e3,300**	**6,050**	21,300	3,970	3,630	9,230	3,090	2,530	12,500
27	5,820	6,460	e5,200	**e3,000**	**5,530**	19,300	6,110	4,890	8,070	2,880	2,320	10,100
28	4,840	5,740	e4,800	**e2,900**	**5,180**	15,800	6,990	4,610	7,190	3,300	2,270	11,600
29	3,950	4,860	e4,500	**e3,100**	---	14,300	6,210	4,290	6,170	3,370	1,840	17,600
30	3,530	4,420	e4,300	**e3,300**	---	18,700	5,590	3,920	5,670	3,100	2,360	13,700
31	3,200	---	e4,200	**e3,400**	---	18,800	---	3,480	---	3,010	1,980	---
TOTAL	151,270	168,570	152,140	166,280	104,700	411,390	254,850	147,410	302,910	98,210	147,460	370,090
MEAN	4,880	5,619	4,908	5,364	3,739	13,270	8,495	4,755	10,100	3,168	4,757	12,340
MAX	20,300	14,200	10,300	15,800	6,150	45,600	16,000	9,050	19,500	5,180	13,400	31,900
MIN	1,140	2,250	2,400	2,900	2,700	3,100	3,970	2,690	5,670	1,840	1,840	1,970

e Estimated.

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

DISCHARGE, CUBIC FEET PER SECOND, **WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003**--Continued

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)												
MEAN	2,981	4,026	5,061	4,724	5,038	8,059	9,380	6,100	4,102	2,684	2,277	2,629
MAX	10,440	10,310	17,280	12,980	13,730	17,520	23,650	12,670	12,650	6,680	4,757	12,340
(WY)	(1978)	(1973)	(1997)	(1996)	(1976)	(1977)	(1993)	(1984)	(1972)	(1973)	(2003)	(2003)
MIN	1,001	884	1,475	1,216	1,601	2,583	2,954	1,890	993	699	963	1,144
(WY)	(1965)	(1965)	(1999)	(1981)	(1980)	(1981)	(1985)	(1995)	(1965)	(1965)	(1965)	(1965)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	1,480,735		2,475,280			
ANNUAL MEAN	4,057		6,782		4,750	
HIGHEST ANNUAL MEAN					7,216	1973
LOWEST ANNUAL MEAN					2,028	1965
HIGHEST DAILY MEAN	23,900	May 14	45,600	Mar 22	95,200	Jan 20, 1996
LOWEST DAILY MEAN	666	Jan 20	1,140	Oct 3	385	Jul 6, 1965
ANNUAL SEVEN-DAY MINIMUM	842	Jan 16	1,480	Oct 1	432	Jul 1, 1965
10 PERCENT EXCEEDS	8,470		13,400		10,300	
50 PERCENT EXCEEDS	2,900		4,860		2,860	
90 PERCENT EXCEEDS	1,440		2,540		1,500	

DISCHARGE, CUBIC FEET PER SECOND, **WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004**
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,400	21,200	14,300	10,800	2,590	1,660	7,020	6,480	4,510	1,810	4,850	7,180
2	9,720	16,000	12,300	9,780	2,460	2,140	8,690	5,810	5,110	1,600	5,520	5,380
3	8,450	13,600	10,600	8,890	e2,600	3,840	8,060	8,060	5,420	1,590	4,950	4,260
4	7,000	11,800	9,350	10,100	2,680	6,810	7,130	9,490	5,150	1,700	3,860	3,520
5	7,740	10,800	8,590	16,200	2,660	9,110	7,110	8,180	4,390	1,690	3,430	2,760
6	7,880	11,400	8,200	16,400	2,500	11,900	6,790	8,010	3,940	1,750	3,780	2,530
7	6,820	10,500	7,730	13,200	2,430	19,400	5,900	7,960	4,190	2,110	3,140	2,690
8	6,340	8,720	6,780	11,100	e2,400	16,000	5,520	6,770	3,860	2,330	2,260	2,920
9	5,680	7,710	6,140	e9,000	e2,400	12,700	5,410	6,040	3,660	2,160	2,040	6,830
10	5,270	7,300	5,830	e8,000	e2,400	10,500	4,860	6,300	3,520	2,000	2,300	12,400
11	4,800	7,030	15,800	e7,200	2,520	9,090	4,060	7,430	3,020	1,780	2,370	9,940
12	4,360	6,960	38,000	e6,600	2,570	8,270	3,700	8,210	2,650	1,640	3,180	7,320
13	4,130	7,350	25,800	e6,000	2,350	7,250	5,030	9,280	2,020	1,950	35,900	6,080
14	4,170	6,680	18,700	e5,600	2,240	6,140	8,550	8,840	1,910	2,020	25,400	5,370
15	7,320	6,240	15,900	e5,200	1,940	5,900	9,560	7,180	2,020	2,600	13,900	4,840
16	10,700	5,960	13,700	e5,000	e2,000	6,200	8,050	6,310	1,900	3,350	13,300	4,370
17	8,470	5,410	12,200	e4,700	e2,100	5,540	6,980	6,380	2,030	3,030	13,900	4,450
18	7,060	5,230	14,200	e4,400	e2,000	5,110	5,990	6,070	2,210	2,400	11,700	90,400
19	6,130	5,420	12,900	e4,200	1,980	4,830	5,590	5,810	2,400	2,650	9,530	88,500
20	6,490	22,300	11,200	e4,000	1,990	4,400	5,440	5,330	2,040	3,310	8,180	42,400
21	6,440	28,700	10,200	e3,800	1,900	4,440	5,190	4,670	1,650	2,820	7,460	26,900
22	6,000	21,000	8,910	e3,600	1,590	5,370	4,680	3,880	1,830	2,640	8,700	18,600
23	5,730	16,400	8,380	e3,400	1,660	5,060	4,970	3,170	1,690	2,640	7,640	13,800
24	5,460	13,500	13,000	e3,200	1,860	4,590	5,740	3,520	1,730	3,340	6,190	11,600
25	4,640	12,300	34,300	e3,100	1,800	5,090	5,110	3,830	1,680	3,830	5,410	9,700
26	4,000	11,300	28,000	e3,000	1,710	5,440	5,870	3,620	1,630	2,980	4,990	7,730
27	6,760	9,480	20,800	e2,900	1,710	5,730	10,900	4,470	1,770	2,830	4,840	7,040
28	27,400	8,990	16,400	e2,800	1,570	7,710	9,260	5,770	1,790	11,900	4,310	9,340
29	33,700	15,900	13,700	e2,800	1,510	8,060	7,970	5,880	1,640	11,200	3,860	18,100
30	44,600	17,200	12,200	e2,700	---	7,650	7,260	5,300	1,610	8,630	4,380	16,600
31	30,400	---	11,700	e2,600	---	7,070	---	4,480	---	5,750	4,870	---
TOTAL	315,060	352,380	445,810	200,270	62,120	223,000	196,390	192,530	82,970	102,030	236,140	453,550
MEAN	10,160	11,750	14,380	6,460	2,142	7,194	6,546	6,211	2,766	3,291	7,617	15,120
MAX	44,600	28,700	38,000	16,400	2,680	19,400	10,900	9,490	5,420	11,900	35,900	90,400
MIN	4,000	5,230	5,830	2,600	1,510	1,660	3,700	3,170	1,610	1,590	2,040	2,530
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)												
MEAN	3,156	4,214	5,288	4,766	4,966	8,038	9,311	6,103	4,070	2,699	2,407	2,934
MAX	10,440	11,750	17,280	12,980	13,730	17,520	23,650	12,670	12,650	6,680	7,617	15,120
(WY)	(1978)	(2004)	(1997)	(1996)	(1976)	(1977)	(1993)	(1984)	(1972)	(1973)	(2004)	(2004)
MIN	1,001	884	1,475	1,216	1,601	2,583	2,954	1,890	993	699	963	1,144
(WY)	(1965)	(1965)	(1999)	(1981)	(1980)	(1981)	(1985)	(1995)	(1965)	(1965)	(1965)	(1965)

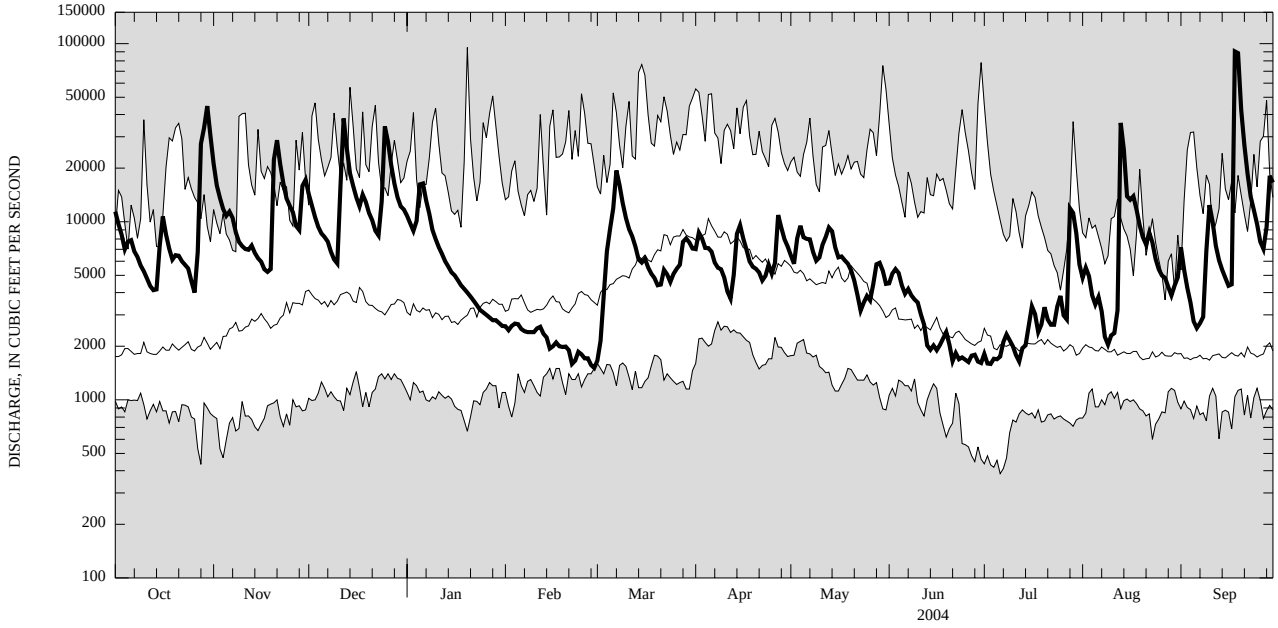
e Estimated.

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

DISCHARGE, CUBIC FEET PER SECOND, **WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004**--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	3,116,550		2,862,250			
ANNUAL MEAN	8,538		7,820		4,825	
HIGHEST ANNUAL MEAN					7,820	2004
LOWEST ANNUAL MEAN					2,028	1965
HIGHEST DAILY MEAN	45,600	Mar 22	90,400	Sep 18	95,200	Jan 20, 1996
LOWEST DAILY MEAN	1,840	Jul 20	1,510	Feb 29	385	Jul 6, 1965
ANNUAL SEVEN-DAY MINIMUM	2,180	Aug 26	1,660	Jun 29	432	Jul 1, 1965
10 PERCENT EXCEEDS	16,400		14,000		10,400	
50 PERCENT EXCEEDS	6,140		5,740		2,900	
90 PERCENT EXCEEDS	2,900		2,000		1,510	



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.

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued
(Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-60, 1964 to January 1994, June 1997, 1999 to August 2001, April 2002 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), 1999-2001 (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), 2000-01 (d).
ORGANIC DATA: OC--1974 (b), 1975, 1999-2001 (d).
NUTRIENT DATA: 1968 (a), 1969-76 (d), 1987 (b), 1988-89 (c), 1990 (b), 1999-2001 (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), 1999-2001 (d).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September 1973
WATER TEMPERATURE: February 1957 to September 1960, January to September 1973, June 1974 to January 1994, October 1998 to August 2001.
SUSPENDED-SEDIMENT DISCHARGE: February 1957 to September 1960, March 1970 to June 1976.

REMARKS.--Other data for the Water-Quality Network can be found on pages 446-484.

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, 2001), 0.0°C on many days during winter periods, 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 on 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.

COOPERATION.--Samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduct-ance, wat unf µS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water unfltrd recover-able, mg/L (00916)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)
OCT 2003													
08...	1800	1028	9813	6340	11.2	7.6	7.4	72	69	13.2	15	5.5	.2
DEC													
17...	1330	1028	9813	12200	14.1	7.2	7.1	68	65	2.7	19	5.5	1.2
FEB 2004													
19...	1430	1028	9813	1980	16.6	7.5	7.5	90	89	1.1	23	6.8	1.4
APR													
14...	0800	1028	9813	8550	12.4	6.8	6.9	79	79	7.9	20	6.1	1.3
JUN													
24...	1240	1028	9813	1730	9.6	8.0	7.1	90	88	22.6	22	6.6	1.4
AUG													
17...	0950	1028	9813	13900	9.1	7.1	6.5	56	56	18.2	18	5.1	1.3

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho-phos-phate, water, unfltrd mg/L as P (70507)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Alum-inum, water, unfltrd recover-able, µg/L (01105)	Copper, water, unfltrd recover-able, µg/L (01042)
OCT 2003													
08...	14	5.7	78	2	<.020	.13	<.040	<.01	.014	.40	3.1	<200	<10
DEC													
17...	11	6.2	34	<2	<.020	.31	<.040	.02	.017	.32	2.9	<200	<10
FEB 2004													
19...	14	7.0	62	2	<.020	.29	<.040	.01	.013	.45	2.3	<200	<10
APR													
14...	14	6.2	50	4	<.020	.25	<.040	.01	.018	.26	2.8	<200	<10
JUN													
24...	16	6.4	82	<2	.030	.10	<.040	<.01	.017	.30	2.5	<200	<10
AUG													
17...	17	4.8	68	58	<.020	.17	<.040	.07	.081	.66	3.8	2400	<10

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan-ese, water, unfltrd recover -able, µg/L (01055)	Nickel, water, unfltrd recover -able, µg/L (01067)	Zinc, water, unfltrd recover -able, µg/L (01092)
OCT 2003					
08...	110	<1.0	40	<50	<10
DEC					
17...	150	<1.0	20	<50	<10
FEB 2004					
19...	60	<1.0	<10	<50	40
APR					
14...	130	2.5	30	<50	<10
JUN					
24...	80	<1.0	40	<50	<10
AUG					
17...	2660	3.1	200	<50	<10

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 µm. Samples represent counts per 100 animal (approximate) subsamples.

Date	08/19/03
Benthic macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	1
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Hydrobiidae	
Amnicola	4
Bivalvia (CLAMS)	
Veneroida	
Sphaeriidae	
Sphaerium	13
Arthropoda	
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
Acentrella	6
Baetis	14
Ephemerellidae	
Drunella	1
Serratella	2
Heptageniidae	
Leucrocuta	3
Stenonema	4
Isonychiidae	
Isonychia	19
Odonata	
Coenagrionidae (DAMSELFLIES)	
Argia	2
Plecoptera (STONEFLIES)	
Perlidae	
Agnetina	1
Megaloptera	
Corydalidae (FISHFLIES AND DOBSONFLIES)	
Corydalus	1
Trichoptera (CADDISFLIES)	
Brachycentridae	
Brachycentrus	1
Micrasema	1
Glossosomatidae	1
Helicopsychidae	
Helicopsyche	2
Hydropsychidae	
Cheumatopsyche	3
Hydropsche	2
Potamyia	10
Lepidostomatidae	
Lepidostoma	2
Leptoceridae	
Oecetis	2
Philopotamidae	
Chimarra	2

01434000 DELAWARE RIVER AT PORT JERVIS, NY--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES--Continued

Date	08/19/03
Benthic macroinvertebrate	Count
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
Optioservus	1
Promoresia	8
Stenelmis	15
Psephenidae (WATER PENNIES)	
Psephenus	1
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	4
Simuliidae (BLACK FLIES)	
Simulium	4
Total Organisms	130
Total Taxa	29