

## DELAWARE RIVER BASIN

**01463500 DELAWARE RIVER AT TRENTON, NJ**  
**(National Water-Quality Assessment Station)**  
**(Pennsylvania Water-Quality Network Station)**

**LOCATION.**--Lat 40°13'18", long 74°46'42", Mercer County, Hydrologic Unit 02040105, on left bank 450 ft upstream from Calhoun Street Bridge at Trenton, 0.5 mi upstream from Assunpink Creek, and at river mile 134.5.

**DRAINAGE AREA.**--6,780 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**--February 1913 to current year. October 1912 to February 1913 monthly discharge only, published in WSP 1302. Gage-height records collected in this vicinity since 1904 are contained in reports of the National Weather Service.

**REVISED RECORDS.**--WSP 951: Drainage area. WSP 1302: 1913-20. WSP 1382: 1924, 1928.

**GAGE.**--Water-stage recorder. Datum of gage is sea level. Prior to Sept. 30, 1965, at datum 7.77 ft higher. Feb. 24, 1913 to Oct. 2, 1928, nonrecording gage on downstream side of highway bridge at site 450 ft downstream.

**REMARKS.**--Records good. Diurnal fluctuations at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lakes Wallenpaupack (station 01431700) and Hopatcong, and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, Neversink, Wild Creek, and Merrill Creek Reservoirs and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs. Diversion to Bradshaw and Merrill Creek Reservoirs and to Delaware and Raritan Canal. Water diverted just above station by borough of Morrisville, PA, and city of Trenton, NJ for municipal supply. Satellite gage height and water-quality parameter telemeter at station. Information on the above lakes and reservoirs can be found in the annual Water-Data Report NJ-02-1.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of Oct. 11, 1903, reached an elevation of about 28.5 ft above sea level, discharge estimated, 295,000 ft<sup>3</sup>/s. Maximum elevation since 1692, 30.6 ft above sea level, Mar. 8, 1904, from floodmark, due to ice jam.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 50,000 ft<sup>3</sup>/s and maximum (\*):

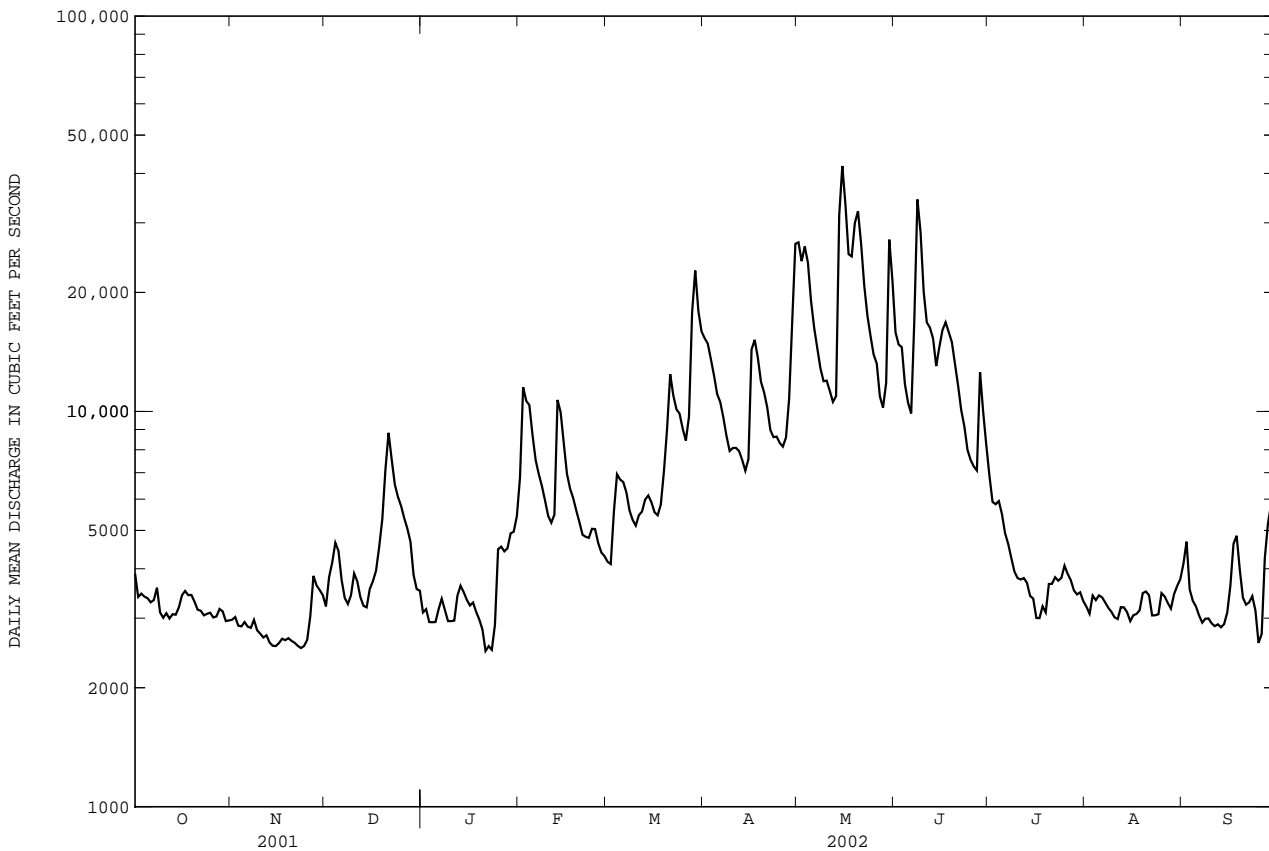
Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)					
(No peaks above base discharge.)												
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3890	2970	3210	3100	6800	4170	15300	26800	15800	6880	3210	4120
2	3390	3020	3810	3160	11500	4110	14800	24000	14800	5900	3080	4680
3	3460	2870	4150	2930	10600	5570	13600	26100	14500	5830	3420	3550
4	3400	2860	4650	2930	10400	6940	12300	23800	11700	5930	3330	3320
5	3370	2930	4440	2930	8720	6720	11100	19000	10500	5500	3420	3210
6	3290	2860	3750	3160	7540	6630	10600	16300	9880	4920	3390	3050
7	3330	2840	3380	3360	6940	6240	9640	14500	17000	4620	3290	2920
8	3580	2970	3260	3150	6480	5610	8660	12900	34400	4260	3180	2990
9	3100	2800	3430	2950	5950	5310	7940	11900	28400	3930	3110	2990
10	3010	2740	3890	2950	5450	5140	8080	12000	20100	3790	3010	2910
11	3090	2680	3720	2960	5230	5460	8090	11300	16800	3760	2980	2860
12	2990	2710	3390	3410	5480	5580	7940	10600	16300	3790	3200	2890
13	3070	2600	3220	3620	10700	5990	7540	10900	15300	3680	3190	2840
14	3060	2550	3190	3490	9940	6130	7080	31300	13000	3420	3100	2900
15	3190	2550	3560	3340	8300	5890	7580	41800	14500	3360	2950	3100
16	3430	2600	3720	3230	6960	5560	14300	33300	16100	3000	3050	3630
17	3510	2660	3950	3290	6380	5460	15200	25000	16800	3000	3070	4620
18	3430	2640	4540	3110	6040	5810	13700	24700	15900	3210	3140	4850
19	3430	2670	5340	2980	5610	7060	11900	30000	15000	3100	3470	3980
20	3300	2630	7120	2810	5240	9030	11200	32100	13200	3660	3500	3380
21	3150	2600	8830	2480	4870	12400	10200	26600	11600	3660	3430	3240
22	3130	2550	7560	2550	4820	11000	8980	20900	10100	3810	3050	3290
23	3050	2520	6540	2500	4790	10100	8610	17500	9160	3730	3050	3410
24	3080	2550	6080	2890	5050	9870	8640	15500	7990	3790	3070	3140
25	3100	2640	5770	4480	5040	9040	8320	13900	7540	4070	3470	2600
26	3010	3040	5370	4550	4650	8440	8150	13200	7260	3880	3400	2740
27	3030	3840	5060	4430	4400	9690	8590	10900	7090	3740	3280	4260
28	3160	3630	4680	4510	4310	17800	10800	10200	12600	3530	3170	5200
29	3120	3530	3860	4910	---	22700	17000	11800	9980	3440	3450	5820
30	2950	3430	3550	4960	---	17900	26600	27200	8230	3490	3620	6580
31	2960	---	3520	5430	---	15900	---	21500	---	3310	3760	---
TOTAL	100060	85480	140540	106550	188190	263250	332440	627500	421530	125990	100840	109070
MEAN	3228	2849	4534	3437	6721	8492	11080	20240	14050	4064	3253	3636
MAX	3890	3840	8830	5430	11500	22700	26600	41800	34400	6880	3760	6580
MIN	2950	2520	3190	2480	4310	4110	7080	10200	7090	3000	2950	2600
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2002, BY WATER YEAR (WY)												
MEAN	6794	10310	12530	12350	12750	20480	22170	14180	9149	6980	5856	5727
MAX	28710	27340	42860	34950	27550	60840	52680	31690	33460	25720	30290	22490
(WY)	1956	1928	1997	1979	1951	1936	1940	1989	1972	1928	1955	1933
MIN	1632	1868	2037	2539	3500	7715	6828	5074	2572	1548	1808	1762
(WY)	1942	1915	1923	1981	1920	1981	1985	1995	1965	1965	1965	1932

DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1913 - 2002	
ANNUAL TOTAL	2954910		2601440		11600	
ANNUAL MEAN	8096		7127		19810	
HIGHEST ANNUAL MEAN					4708	1928
LOWEST ANNUAL MEAN					4708	1965
HIGHEST DAILY MEAN	50200	Apr 11	41800	May 15	279000	Aug 20 1955
LOWEST DAILY MEAN	2520	Nov 23	2480	Jan 21	1240	Oct 31 1914
ANNUAL SEVEN-DAY MINIMUM	2590	Nov 18	2590	Nov 18	1310	Oct 31 1914
MAXIMUM PEAK FLOW			43400	May 15	a329000	Aug 20 1955
MAXIMUM PEAK STAGE			13.52	May 15	b28.60	Aug 20 1955
INSTANTANEOUS LOW FLOW			2220	Sep 26	1180	Oct 31 1963
10 PERCENT EXCEEDS	15500		15300		24400	
50 PERCENT EXCEEDS	5400		4260		7830	
90 PERCENT EXCEEDS	3020		2930		3000	

a From rating curve extended above 230,000 ft<sup>3</sup>/s, maximum flow since 1692.  
 b From high-water mark in gage house, current datum.



## DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued  
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## WATER-QUALITY RECORDS

**PERIOD OF RECORD.**--October 1944 to current year.

**PERIOD OF DAILY RECORD.**--

DISSOLVED OXYGEN: October 1962 to current year. Recorded as once daily during 1979.  
DISSOLVED OXYGEN PERCENT SATURATION: October 2001 to September 2002.  
pH: June 1968 to current year. Recorded as once daily during 1979.  
SPECIFIC CONDUCTANCE: October 1963 to current year. Recorded as once daily during years 1964 to 1968, 1979.  
SUSPENDED SEDIMENT DISCHARGE: September 1949 to September 1981.  
WATER TEMPERATURE: October 1944 to current year. Recorded as once daily during years 1945 to 1953, 1962, 1964, 1979.  
TURBIDITY: November 2000 to current year.

**INSTRUMENTATION.**--

TEMPERATURE MONITOR (graphic recorder at gage house, in situ system): October 1953 to September 1961.  
TEMPERATURE / DISSOLVED-OXYGEN MONITOR: October 1962 to September 1965: graphic recorder; only dissolved-oxygen concentration recorded during water year 1964. October 1965 to May 1968: digital recorder.  
WATER-QUALITY MONITOR (continuous pumping system, measurements recorded hourly): June 1968 to August 1975: water withdrawn from raw-water intake within Trenton Water Filtration Plant, Trenton, NJ. November 1975 to November 1978: water withdrawn from river through PVC pipe to gage house outside Trenton Water Filtration Plant, Trenton, NJ. December 1979 to September 1986: water withdrawn from raw-water intake within Trenton Water Filtration Plant, Trenton, NJ.  
WATER-QUALITY MONITOR (in situ system, measurements recorded hourly): October 1986 to September 1995: probes located inside raw-water intake of Trenton Water Filtration Plant, Trenton, NJ. October 1995 to current year: monitor suspended within stilling well of Morrisville Water Filtration Plant, Morrisville, Pa., 1,600 ft upstream from the gage house.

**REMARKS.**--Additional nutrient samples on Dec. 6 at 0911, Mar. 6 at 1041, June 17 at 1211, and Sep. 5 at 0931 were collected to fulfill the requirements of the Ambient Stream Monitoring Network. For definition of the type of quality-control data listed under SAMPLE TYPE refer to "Quality-Control Data" in the "Introduction." Unpublished records of suspended-sediment discharge for the period Oct. 1, 1981, to Mar. 31, 1982, are available at the U.S. Geological Survey Office in West Trenton, NJ. Beginning October, 1999, pH daily value tables reported maximum, minimum and median values. Continuous turbidity-record values less than 2 were below the instrument detection level. Missing continuous water-quality records are the result of instrument malfunction or interruption of flow through the filtration plant. The calibration of water-quality sensors is verified by regular inspections. Cleaning or recalibration is needed occasionally as a result of sensor fouling or drift. When a sensor is recalibrated, the continuous-record water-quality data for the period between inspections are adjusted to account for the difference between the sensor's response and a known value. The adjustment may be constant over the period or may be prorated. Continuous-record water-quality data for periods for which the difference between the sensor's response and a known value does not exceed recalibration criteria are considered to be reliable and are not adjusted. Recalibration criteria are listed in the "Introduction" (see section "Explanation of the Records, On-Site Measurements and Sample Collection"). Data from the following periods were adjusted: DISSOLVED OXYGEN: Oct. 1-16, Feb. 15 to Mar. 26, May 16-22, June 19 to July 2, Aug. 1-14, Aug. 23 to Sep. 3. pH: July 2-22. TURBIDITY: Oct. 29 to Nov. 1, Feb. 15-28.

**COOPERATION.**--Samples were collected as part of the Delaware River Basin National Water-Quality Assessment Program (NAWQA) with cooperation from the Delaware River Basin Commission. Determination of dissolved ammonia, total ammonia, dissolved nitrite, dissolved orthophosphate, biochemical oxygen demand, and dissolved hexavalent chromium on Dec. 6 at 0912, Mar. 6 at 1042, June 17 at 1212, and Sep. 5 at 0932; and fecal coliform, *E. coli*, and enterococcus bacteria collected synoptically during the summer months was performed by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services. Determination of chlorophyll a was performed by the New Jersey Department of Environmental Protection, Bureau of Freshwater and Biological Monitoring Laboratory.

**EXTREMES FOR PERIOD OF DAILY RECORD.**--

SPECIFIC CONDUCTANCE: Maximum, 468 microsiemens, Jan. 11, 1999; minimum, 63 microsiemens, July 7, 1984.  
pH: Maximum, 10.3, Aug. 9, 10, 1983; minimum, 5.3, June 22, 1972.  
WATER TEMPERATURE: Maximum, 34.0°C, June 18, 1957; minimum, 0.0°C, on many days during winters in water years 1954-57.  
DISSOLVED OXYGEN: Maximum, 20.0 mg/L, Feb. 11, 1989; minimum, 4.0 mg/L, Nov. 9, 1972, Sept. 9, 1995.  
DISSOLVED OXYGEN PERCENT SATURATION: Maximum, 151, Aug. 12, 2002; minimum, 62, July 14, 2002.  
TURBIDITY: Maximum, 460 ntu, May 19, 2000; minimum, <2.0 ntu, on many days in water years 2000-02

**EXTREMES FOR CURRENT YEAR.**--

SPECIFIC CONDUCTANCE: Maximum, 314 microsiemens, Jan. 24; minimum, 100 microsiemens, June 9.  
pH: Maximum, 9.3, July 19; minimum, 6.6, May 10.  
WATER TEMPERATURE: Maximum, 31.5°C, Aug. 4; minimum, 0.0°C, several days during winter.  
DISSOLVED OXYGEN: Maximum, 15.9 mg/L, Jan. 22, 23; minimum, 5.5 mg/L, July 13.  
DISSOLVED OXYGEN PERCENT SATURATION: Maximum, 151, Aug. 12; minimum, 67, July 13.  
TURBIDITY: Maximum, 120 ntu, June 29; minimum, <0.2 ntu, many days.



## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, TOTAL SUSP (MG/L AS N) (00600)	NITRO- GEN,PAR TICULATE WAT FLT SUSP (MG/L AS N) (49570)
NOV													
01...	.45	18.5	124	120	<.04	.21	--	.23	.74	<.008	.95	.97	--
DEC													
06...	2.26	15.8	102	96	E.03	.23	--	.36	.87	E.005	1.1	1.2	.04
06...	--	--	--	--	--	.27	--	--	.91	--	1.2	--	--
06...	--	--	--	--	<.030	--	<.030	--	--	.004	--	--	--
JAN													
09...	--	21.1	--	--	E.03	--	--	.29	1.36	.008	--	1.7	--
MAR													
06...	2.4	16.3	100	96	<.04	--	--	.27	.87	.010	--	1.1	.05
06...	--	--	--	--	--	.18	--	--	.82	--	1.0	--	--
06...	--	--	--	--	.065	--	<.030	--	--	.005	--	--	--
APR													
04...	--	12.5	--	--	<.04	--	--	.28	.60	E.004	--	.88	--
MAY													
22...	--	11.6	--	--	<.04	--	--	.36	.50	<.008	--	.86	--
22...	--	11.5	--	--	<.04	--	--	.27	.50	<.008	--	.77	--
JUN													
17...	<.2	<.1	<10	--	<.04	--	--	<.10	<.05	<.008	--	--	--
17...	3.9	11.7	71	75	<.04	--	--	.33	.60	E.004	--	.93	.09
17...	--	--	--	--	--	.22	--	--	.59	--	.81	--	--
17...	--	--	--	--	.045	--	<.030	--	--	.004	--	--	--
JUL													
10...	--	17.4	--	--	<.04	--	--	.29	.71	E.007	--	1.0	--
SEP													
05...	3.5	20.0	118	125	<.04	--	--	.25	1.06	.017	--	1.3	.08
05...	--	--	--	--	--	.22	--	--	1.11	--	1.3	--	--
05...	--	--	--	--	<.030	--	<.030	--	--	.006	--	--	--

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, INOR- GANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	CHLORO- PHYLL A FLUORO- METRIC METHOD CORR. (µG/L) (32209)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
NOV												
01...	.061	.04	.065	--	--	--	--	--	--	--	5.6	.7
DEC												
06...	.067	.05	.085	.5	<.1	2.9	.5	--	--	10	38.7	3.8
06...	.065	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	<1.0	--	--	--	--
JAN												
09...	--	.07	.087	--	--	--	--	--	--	--	13.6	1.8
MAR												
06...	--	.03	.060	.5	<.1	2.2	.5	--	--	<10	66.2	3.7
06...	.038	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	<1.8	--	--	--	--
APR												
04...	--	.02	.058	--	--	--	--	--	--	--	309	8.8
MAY												
22...	--	E.01	.049	--	--	--	--	--	--	--	633	11
22...	--	E.01	.049	--	--	--	--	--	--	--	--	12
JUN												
17...	--	<.02	<.004	--	--	--	--	--	--	--	--	--
17...	--	.03	.068	1.0	<.1	3.4	1.0	--	--	<10	586	13
17...	.040	--	--	--	--	--	--	--	--	--	--	--
17...	--	<.020	--	--	--	--	--	<1.0	1.20	--	--	--
JUL												
10...	--	.05	.079	--	--	--	--	--	--	--	35.8	3.4
SEP												
05...	--	.07	.108	.5	<.1	2.6	.5	--	--	10	18.3	2.1
05...	.098	--	--	--	--	--	--	--	--	--	--	--
05...	--	.085	--	--	--	--	--	<1.0	.800	--	--	--

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	TIME	ARSENIC TOTAL (µG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (µG/L AS BA) (01007)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE) (01012)	BORON, DIS- SOLVED (µG/L AS B) (01020)	BORON, TOTAL RECOV- ERABLE (µG/L AS B) (01022)	CADMIUM WATER UNFLTRD TOTAL (µG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (µG/L AS CR) (01032)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR) (01034)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)
NOV 01...	0830	--	--	--	20	--	--	--	--	--	--	--	20
DEC 06...	0910	E1	22.3	E.03	20	18	.04	<.8	--	1.0	1.8	2.0	22
DEC 06...	0912	--	--	--	--	--	--	<5	--	--	--	--	--
MAR 06...	1040	<2	21.5	E.06	20	14	.07	<.8	--	E.5	2.6	1.5	--
MAR 06...	1042	--	--	--	--	--	--	<5	--	--	--	--	--
JUN 17...	1210	<2	27.2	E.04	10	11	.08	<.8	--	<.8	1.3	2.1	--
JUN 17...	1212	--	--	--	--	--	--	<5	--	--	--	--	--
SEP 05...	0930	E1	26.4	<.06	20	23	.12	<.8	--	<.8	1.7	2.0	--
SEP 05...	0932	--	--	--	--	--	--	<5	--	--	--	--	--

DATE	TIME	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	MERCURY DIS- SOLVED (µG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG) (71900)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	SELE- NIUM, TOTAL (µG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (µG/L AS AG) (01077)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)
NOV 01...	--	--	--	--	5.9	--	--	--	--	--	--	--	--	--
DEC 06...	100	.08	<1	--	8.6	19.6	<.01	<.01	.83	1	E.2	<.05	7	13
DEC 06...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	110	.10	<1	--	23.7	<.01	<.01	.94	1	E.3	<.05	5	9	--
MAR 06...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 17...	340	.21	1	--	63.4	<.01	E.01	.85	1	<.4	<.05	6	16	--
JUN 17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	60	.12	<1	--	18.6	<.01	<.01	.58	2	.5	<.05	4	6	--
SEP 05...	--	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	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)	1,2-DI- CHLORO- ETHANE TOTAL (µG/L) (32103)	1,2-DI- CHLORO- PROPANE TOTAL (µG/L) (34541)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (µG/L) (34546)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34571)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34536)	BENZENE TOTAL (µG/L) (34030)	BROMO- FORM TOTAL (µG/L) (32104)	CARBON TETRA- CHLO- RIDE TOTAL (µG/L) (32102)
DEC 06...	0910	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2
MAR 06...	1040	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2
JUN 17...	1210	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2
SEP 05...	0930	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2

DATE	TIME	CHLORO- DI- BROMO- METHANE TOTAL (µG/L) (34301)	CHLORO- DI- BROMO- METHANE TOTAL (µG/L) (32105)	CHLORO- FORM WATER TOTAL (µG/L) (32106)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (µG/L) (77093)	BROMO- DI- CHLORO- METHANE TOTAL (µG/L) (32101)	DI- CHLORO- DI- FLURO- METHANE TOTAL (µG/L) (34668)	DI-ISO- PROPYL- ETHER, WATER, UNPLTRD RECOVER (µG/L) (81577)	ETHER ETHYL WATER UNPLTRD RECOVER (µG/L) (81576)	ETHER TERT- BUTYL ETHYL UNPLTRD RECOVER (µG/L) (50004)	ETHER TERT- PENTYL METHYL UNPLTRD RECOVER (µG/L) (50005)	ETHYL- BENZENE TOTAL (µG/L) (34371)	FREON- 113 WATER UNFLTRD REC (µG/L) (77652)	METHYL TERT- BUTYL ETHER WAT UNF REC (µG/L) (78032)
DEC 06...	<.1	<.2	<.1	<.1	<.1	<.2	<.2	<.2	<.1	<.2	<.1	<.1	.3	
MAR 06...	<.1	<.2	<.1	<.1	<.1	<.2	<.2	<.2	<.1	<.2	<.1	<.1	<.2	
JUN 17...	<.1	<.2	<.1	<.1	<.1	<.2	<.2	<.2	<.1	<.2	<.1	<.1	.3	
SEP 05...	<.1	<.2	<.1	<.1	<.1	<.2	<.2	<.2	<.1	<.2	<.1	<.1	.4	

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	METHYL- ENE- CHLO- RIDE TOTAL (µG/L) (34423)	META/ PARA- XYLENE WATER UNFLTRD REC (µG/L) (85795)	O- XYLENE WATER WHOLE TOTAL (µG/L) (77135)	STYRENE TOTAL (µG/L) (77128)	TETRA- CHLORO- ETHYL- ENE TOTAL (µG/L) (34475)	TOLUENE TOTAL (µG/L) (34010)	TRI- CHLORO- ETHYL- ENE TOTAL (µG/L) (39180)	TRI- CHLORO- FLUORO- METHANE TOTAL (µG/L) (34488)	VINYL CHLO- RIDE TOTAL (µG/L) (39175)
DEC 06...	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2
MAR 06...	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2
JUN 17...	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2
SEP 05...	<.2	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.2

## FILTERED-WATER PESTICIDE ANALYSES

REMARKS.--Selected samples were analyzed for pesticides with laboratory schedule 2001 (listed in its entirety, with laboratory reporting levels, on page 179). Only pesticides identified by the analyses in one or more surface-water samples are listed in the following table.

DATE	TIME	SAMPLE TYPE	ACETO- CHLOR, WATER, FLTRD REC (µG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (µG/L) (46342)	ALPHA BHC DIS- SOLVED (µG/L) (34253)	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)	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)
NOV 01...	0830	ENVIRONMENTAL	<.004	<.002	<.005	.020	<.010	<.041	<.005	<.018	<.003
DEC 06...	0910	ENVIRONMENTAL	<.004	<.002	<.005	.014	<.010	<.041	<.005	<.018	<.003
JAN 09...	1230	FIELD BLANK	<.006	<.004	<.005	<.007	<.010	<.041	<.005	<.018	<.003
JAN 09...	1330	ENVIRONMENTAL	<.006	<.004	<.005	.020	<.010	<.041	<.005	<.018	<.003
MAR 06...	1040	ENVIRONMENTAL	<.006	<.004	<.005	.027	<.010	<.041	<.005	<.018	<.003
APR 04...	0850	ENVIRONMENTAL	<.006	<.004	<.005	.010	<.010	<.041	<.005	<.018	<.003
MAY 22...	1000	ENVIRONMENTAL	<.008	<.004	<.005	.032	<.010	<.041	<.005	<.018	<.003
JUN 17...	1210	ENVIRONMENTAL	<.006	<.004	<.005	E.065	<.010	<.041	<.005	<.018	<.003
JUL 10...	0930	ENVIRONMENTAL	<.006	<.004	<.005	.034	<.010	<.041	<.005	<.018	<.003
SEP 05...	0930	ENVIRONMENTAL	<.006	<.004	<.005	.033	<.010	<.041	<.005	<.018	<.003

DATE	DEETHYL ATRA- ZINE, WATER, DISS, REC (µG/L) (04040)	DI- AZINON, DIS- SOLVED (µG/L) (39572)	EPTC WATER FLTRD 0.7 µ GF, REC (82668)	LINDANE DIS- SOLVED (µG/L) (39341)	LIN- URON WATER FLTRD 0.7 µ GF, REC (82666)	MALA- THON, DIS- SOLVED (µG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 µ GF, REC (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 (82684)	PENDI- METH- ALIN WAT FLT 0.7 µ GF, REC (82683)	PRO- METON, WATER, DISS, REC (µG/L) (04037)	PRO- PANIL WATER FLTRD 0.7 µ GF, REC (82679)
NOV 01...	E.020	<.005	<.002	<.004	<.035	<.027	<.050	E.005	<.006	<.007	<.010	<.01	<.011
DEC 06...	E.014	<.005	<.002	<.004	<.035	<.027	<.050	E.004	<.006	<.007	<.010	<.01	<.011
JAN 09...	<.006	<.005	<.002	<.004	<.035	<.027	<.050	<.013	<.006	<.007	<.022	<.01	<.011
JAN 09...	E.018	E.004	<.002	<.004	<.035	<.027	<.050	E.005	<.006	<.007	<.022	M	<.011
MAR 06...	E.016	<.005	<.002	<.004	<.035	<.027	<.050	.014	<.006	<.007	<.022	E.01	<.011
APR 04...	E.005	<.005	<.002	<.004	<.035	<.027	<.050	E.006	<.006	<.007	<.022	M	<.011
MAY 22...	E.012	<.005	<.002	<.004	<.035	<.027	<.050	.015	<.006	<.007	<.022	<.01	<.011
JUN 17...	E.015	<.005	<.002	<.004	<.035	<.027	<.050	.018	<.006	<.007	<.022	M	<.011
JUL 10...	E.019	<.005	<.002	<.004	<.035	<.027	<.050	E.008	<.006	<.007	<.022	E.01	<.011
SEP 05...	E.037	.005	<.002	<.004	<.035	<.027	<.050	E.007	<.006	<.007	<.022	.02	<.011

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	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)
NOV			
01...	<.011	<.02	<.034
DEC			
06...	<.011	<.02	<.034
JAN			
09...	<.005	<.02	E.018
09...	<.005	<.02	<.034
MAR			
06...	<.005	<.02	<.034
APR			
04...	<.005	<.02	<.034
MAY			
22...	.022	<.02	<.034
JUN			
17...	.011	<.02	<.034
JUL			
10...	.011	<.02	<.034
SEP			
05...	.007	<.02	<.034

## WHOLE-WATER PESTICIDE ANALYSES

DATE	TIME	ALDRIN, TOTAL (µG/L) (39330)	ALPHA BHC TOTAL (µG/L) (39337)	AROCLOR					BETA BENZENE HEXA- CHLOR- IDE TOTAL (µG/L) (39338)	CHLOR- DANE CIS WATER WHOLE TOTAL (µG/L) (39062)	CHLOR- DANE, TECH- NICAL TOTAL (µG/L) (39350)	CHLOR- DANE TRANS WATER WHOLE TOTAL (µG/L) (39065)	
				1016/ 1242 PCB WATER UNFLTRD (µG/L) (81648)	AROCLOR 1221 PCB TOTAL (µG/L) (39488)	AROCLOR 1232 PCB TOTAL (µG/L) (39492)	AROCLOR 1248 PCB TOTAL (µG/L) (39500)	AROCLOR 1254 PCB TOTAL (µG/L) (39504)	AROCLOR 1260 PCB TOTAL (µG/L) (39508)				
DEC													
06...	0910	<.04	<.03	<.1	<1	<.1	<.1	<.1	<.1	<.03	<.1	<.1	<.1
MAR													
06...	1040	<.04	<.03	<.1	<1	<.1	<.1	<.1	<.1	<.03	<.1	<.1	<.1
JUN													
17...	1210	<.04	<.03	<.1	<1	<.1	<.1	<.1	<.1	<.03	<.1	<.1	<.1
SEP													
05...	0930	<.04	<.03	<.1	<1	<.1	<.1	<.1	<.1	<.03	<.1	<.1	<.1
DATE	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (µG/L) (34259)	DI- ELDRIN TOTAL (µG/L) (39380)	ENDO- SULFAN- I WATER WHOLE REC (µG/L) (34361)	ENDO- SULFAN II TOTAL (µG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (µG/L) (34351)	ENDRIN ALDE- HYDE TOTAL (µG/L) (34366)	ENDRIN WATER UNFLTRD REC (µG/L) (39390)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L) (39420)	HEPTA- CHLOR, TOTAL (µG/L) (39410)	LINDANE TOTAL (µG/L) (39340)	P,P' DDD, TOTAL (µG/L) (39310)	P,P' DDE, TOTAL (µG/L) (39320)	P,P' DDT, TOTAL (µG/L) (39300)
06...	<.09	<.02	<.1	<.04	<.6	<.2	<.06	<.8	<.03	<.03	<.1	<.04	<.1
MAR													
06...	<.09	<.02	<.1	<.04	<.6	<.2	<.06	<.8	<.03	<.03	<.1	<.04	<.1
JUN													
17...	<.09	<.02	<.1	<.04	<.6	<.2	<.06	<.8	<.03	<.03	<.1	<.04	<.1
SEP													
05...	<.09	<.02	<.1	<.04	<.6	<.2	<.06	<.8	<.03	<.03	<.1	<.04	<.1

DATE	TOX- APHENE, TOTAL (µG/L) (39400)
DEC	
06...	<2
MAR	
06...	<2
JUN	
17...	<2
SEP	
05...	<2



## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

**WATER-COLUMN BACTERIA ANALYSES**  
**Samples collected synoptically during the summer months**

DATE	TIME	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	E COLI, MTEC MF WATER (COL/100 ML) (31633)	ENTERO-COCCI, ME MF, WATER (COL/100 ML) (31649)	DATE	TIME	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	E COLI, MTEC MF WATER (COL/100 ML) (31633)	ENTERO-COCCI, ME MF, WATER (COL/100 ML) (31649)
JUN					JUL				
05...	1045	20	<100	<10	02...	1200	<20	<100	10
12...	1035	80	<100	<10					
19...	1120	20	100	10					
25...	1040	20	<100	<10					

**Analyses of pesticides in surface-water and ground-water samples (schedule 2001)**

Selected water samples from DELR-NAWQA study sites were analyzed for pesticides by use of NWQL schedule 2001. This table lists the pesticides on the schedule, the unit of measure (micrograms per liter, µg/L), the U.S. Geological Survey National Water Information System parameter code, and the reporting level. **Only pesticides measured at or above the minimum reporting level for one or more samples are listed in the water-quality tables.**

SCHEDULE DESCRIPTION.--Pesticides in filtered water extracted on C-18 Solid Phase Extraction (SPE) cartridge and analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).

SAMPLE REQUIREMENTS.--1 liter of water filtered through 0.7-micron glass-fiber depth filter, chilled at 4° C (packed in ice).

CONTAINER REQUIREMENTS.--1 liter baked amber glass bottle (GCC) from NWQL.

PCODE.--The USGS/EPA parameter code.

COMMON NAME.--Common or trade name(s) for constituent.

LRL.--Laboratory reporting level.

PCode	Common Name	LRL (µg/L)	PCode	Common Name	LRL (µg/L)
82660	2,6-Diethylaniline	0.006	82667	Parathion-methyl	0.006
49260	Acetochlor	0.006	39415	Metolachlor	0.013
46342	Alachlor	0.0045	82630	Metribuzin	0.006
34253	alpha-HCH	0.0046	82671	Molinate	0.0016
39632	Atrazine	0.007	82684	Napropamide	0.007
82673	Benfluralin	0.010	34653	p,p'-DDE	0.0025
04028	Butylate	0.002	39542	Parathion	0.010
82680	Carbaryl	0.041	82669	Pebulate	0.0041
82674	Carbofuran	0.020	82683	Pendimethalin	0.022
38933	Chlorpyrifos	0.005	82687	cis-Permethrin	0.006
04041	Cyanazine	0.018	82664	Phorate	0.011
82682	Dacthal	0.0030	04037	Prometon	0.015
04040	Deethylatrazine	0.006	82676	Propyzamide	0.0041
39572	Diazinon	0.005	04024	Propachlor	0.010
39381	Dieldrin	0.0048	82679	Propanil	0.011
82677	Disulfoton	0.021	82685	Propargite	0.023
82668	EPTC	0.0020	04035	Simazine	0.005
82663	Ethalfuralin	0.009	82670	Tebuthiuron	0.016
82672	Ethoprophos	0.005	82665	Terbacil	0.034
04095	Fonofos	0.0027	82675	Terbufos	0.017
39341	Lindane	0.0040	82681	Thiobencarb	0.0048
82666	Linuron	0.035	82678	Triallate	0.0023
39532	Malathion	0.027	82661	Trifluralin	0.009
82686	Azinphos-methyl	0.05			

## DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued  
(Pennsylvania Water-Quality Network Station)

PERIOD OF RECORD.--April 2002 to current year.

REMARKS.--Other data for the Water-Quality Network can be found on pages 410-425.

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 2001 TO SEPTEMBER 2002

Date	Time	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST- CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, METHOD, CODES (82398)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L CACO3) (00900)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	ANC WATER UNFLTRD FET LAB (MG/L AS CACO3) (00417)	FLUO- RIDE, TOTAL (MG/L AS F) (00951)
APR 2002 25...	1820	9813	8400	40	10.8	7.7	161	12.5	52	13.9	4.3	34	<.2
JUN 20...	1700	9813	12500	40	9.8	7.9	140	21.8	50	13.4	3.9	30	<.2
AUG 19...	1430	9813	3470	40	9.3	8.8	224	30.6	70	16.8	6.8	48	<.2

Date	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	CYANIDE AMEN- ABLE TO CHLOR- INATION UNFLTRD (MG/L) (00722)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)
APR 2002 25...	14.6	92	<2	<.020	.71	<.040	.99	.03	.050	2.9	<10	<1.00	190
JUN 20...	12.1	124	16	<.020	.64	<.040	.88	.04	.050	4.1	<10	<1.00	420
AUG 19...	19.6	142	2	.030	.81	<.040	1.2	.07	.100	3.0	<10	<1.00	70

Date	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	PHENOLS TOTAL (µG/L) (32730)
APR 2002 25...	<1.0	40	<50	20	<5
JUN 20...	1.0	50	<50	20	<5
AUG 19...	<1.0	30	<50	<10	<5

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	<b>OCTOBER</b>			<b>NOVEMBER</b>			<b>DECEMBER</b>			<b>JANUARY</b>		
1	207	194	200	231	227	229	223	217	220	221	209	218
2	219	206	212	235	229	231	224	218	221	230	216	225
3	229	219	224	236	228	232	224	221	223	234	230	231
4	230	225	228	236	230	233	222	205	212	237	223	233
5	235	228	232	234	230	232	205	185	194	240	236	238
6	237	232	235	234	229	231	189	184	186	245	239	242
7	243	231	234	235	231	233	199	189	194	239	232	236
8	235	230	232	237	233	235	207	199	203	232	227	230
9	239	234	237	237	230	233	215	206	210	234	228	231
10	236	220	227	238	231	235	223	215	220	246	233	237
11	224	219	221	242	236	239	---	---	---	259	246	253
12	228	221	223	239	235	237	---	---	---	260	256	258
13	234	227	231	240	234	237	226	219	222	259	255	257
14	236	233	234	237	234	236	229	225	227	260	255	258
15	234	230	232	239	233	236	232	225	229	258	248	252
16	235	229	231	237	234	236	236	227	232	249	244	246
17	237	229	233	243	234	239	230	226	229	246	243	244
18	240	231	236	248	243	245	226	210	217	246	244	245
19	232	224	227	247	241	244	210	201	204	246	244	245
20	229	225	227	243	234	239	209	198	205	247	245	246
21	230	218	223	237	233	235	198	161	177	253	246	250
22	222	219	221	236	232	234	162	159	160	264	253	257
23	228	221	223	235	229	232	165	161	163	271	264	269
24	231	226	228	233	230	231	165	160	162	314	271	285
25	229	222	225	235	229	233	176	164	170	299	281	292
26	229	224	226	234	230	232	180	173	178	281	273	276
27	234	228	230	242	227	232	183	180	181	277	273	276
28	236	233	235	244	238	241	186	182	183	274	250	262
29	238	230	232	241	224	232	188	185	186	250	228	239
30	232	228	230	227	222	225	202	188	193	228	217	224
31	233	230	231	---	---	---	215	202	210	217	212	215
MONTH	243	194	228	248	222	235	236	159	200	314	209	247
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	<b>FEBRUARY</b>			<b>MARCH</b>			<b>APRIL</b>			<b>MAY</b>		
1	215	211	213	193	188	190	132	128	130	133	121	124
2	212	172	192	195	190	192	131	129	131	126	121	123
3	172	160	167	198	189	192	132	129	130	139	125	134
4	160	145	150	209	197	201	136	129	132	138	130	133
5	154	146	148	211	194	203	145	136	141	136	131	133
6	165	154	161	194	183	188	147	142	145	138	136	137
7	172	165	168	184	177	181	155	142	148	141	138	139
8	180	172	176	189	179	181	156	154	155	147	140	144
9	181	175	177	200	184	187	156	154	155	151	146	150
10	181	176	179	190	186	188	161	156	158	159	150	155
11	186	180	183	193	190	191	160	156	158	159	153	156
12	190	185	188	196	192	194	164	158	160	156	152	154
13	195	147	180	192	179	184	164	160	162	---	---	---
14	147	135	139	181	177	179	167	161	163	---	---	---
15	146	139	143	181	176	178	173	166	168	---	---	---
16	156	146	151	179	176	178	182	161	171	---	---	---
17	164	156	160	180	177	178	164	146	155	115	107	110
18	167	164	165	181	177	179	148	145	146	125	112	118
19	169	165	167	188	179	185	150	146	148	136	124	131
20	172	167	169	191	183	187	154	149	152	128	112	118
21	176	170	173	196	176	183	157	152	155	119	113	114
22	183	176	179	203	196	201	164	154	159	124	115	119
23	189	183	185	203	192	198	168	163	166	130	122	125
24	189	184	187	195	179	188	170	165	167	135	130	133
25	188	177	183	180	175	177	168	162	164	140	135	139
26	180	172	177	177	174	176	167	162	164	144	140	143
27	183	179	180	180	175	177	172	166	169	152	142	147
28	189	183	186	184	147	174	170	160	165	159	151	156
29	---	---	---	147	129	133	169	159	164	161	156	159
30	---	---	---	132	128	130	169	133	153	158	105	127
31	---	---	---	133	130	132	---	---	---	108	101	103
MONTH	215	135	172	211	128	181	182	128	154	161	101	134

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	123	108	116	174	168	171	225	221	223	240	210	227
2	130	122	126	184	174	179	222	214	219	210	200	204
3	130	125	128	193	184	190	220	200	213	223	206	212
4	130	125	128	193	186	190	229	220	225	247	223	240
5	135	130	133	188	184	186	232	226	229	247	232	240
6	139	133	137	193	185	189	231	227	229	232	222	227
7	157	137	146	201	192	196	232	225	229	222	219	221
8	150	108	127	201	198	199	225	222	224	227	221	223
9	108	100	103	205	199	201	223	217	220	229	227	229
10	114	105	109	211	204	207	218	214	216	229	226	227
11	119	112	115	218	211	214	223	216	218	232	226	229
12	124	117	120	221	217	219	226	221	223	234	231	232
13	135	118	126	220	215	217	233	225	228	232	229	231
14	145	134	140	---	---	---	234	228	231	229	225	227
15	151	144	148	---	---	---	228	219	222	231	222	228
16	151	137	146	---	---	---	220	214	217	225	220	222
17	140	134	137	---	---	---	217	213	215	223	213	217
18	134	126	129	---	---	---	223	216	220	222	214	218
19	130	127	128	238	228	232	225	220	223	217	197	205
20	141	130	136	231	220	226	223	216	219	198	192	194
21	144	141	143	231	224	228	219	212	215	200	193	196
22	150	143	147	232	227	228	213	210	211	211	200	205
23	158	149	153	236	232	233	210	203	206	221	211	218
24	162	156	159	232	222	226	204	198	202	237	216	227
25	168	162	165	222	215	218	204	199	202	236	220	229
26	169	166	168	219	208	212	215	204	208	220	205	212
27	170	162	165	217	210	214	231	215	225	215	205	210
28	182	163	167	217	213	215	232	227	229	219	201	205
29	183	171	175	---	---	---	229	210	218	237	219	232
30	175	171	173	---	---	---	216	213	214	226	194	211
31	---	---	---	---	---	---	240	215	226	---	---	---
MONTH	183	100	140	238	168	208	240	198	219	247	192	220
YEAR	314	100	196									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.9	7.4	7.6	8.8	7.8	8.4	8.1	7.2	7.5	7.8	7.6	7.7
2	8.2	7.4	7.7	8.9	8.0	8.6	7.9	7.3	7.5	7.8	7.6	7.7
3	8.3	7.5	7.8	8.8	8.0	8.6	8.1	7.3	7.6	7.8	7.6	7.7
4	8.4	7.5	7.8	8.8	8.0	8.5	8.2	7.3	7.6	7.8	7.6	7.7
5	8.4	7.5	7.9	8.8	8.1	8.6	8.0	7.3	7.5	7.8	7.6	7.7
6	8.3	7.5	7.8	8.8	8.0	8.5	8.1	7.3	7.6	7.8	7.6	7.7
7	8.4	7.6	7.9	8.9	8.2	8.6	8.1	7.3	7.6	7.7	7.6	7.6
8	8.5	7.6	8.0	8.9	8.2	8.7	7.7	7.3	7.5	7.9	7.6	7.7
9	8.5	7.7	8.0	8.9	8.2	8.6	8.0	7.4	7.6	7.8	7.6	7.7
10	8.5	7.8	8.2	8.9	8.2	8.7	8.1	7.5	7.7	7.9	7.6	7.7
11	8.6	7.8	8.2	8.9	8.3	8.6	---	---	---	7.8	7.6	7.7
12	8.6	7.8	8.2	8.9	8.3	8.6	---	---	---	8.0	7.6	7.8
13	8.7	7.9	8.3	8.9	8.3	8.7	7.8	7.5	7.7	8.0	7.6	7.8
14	8.6	7.9	8.3	8.9	8.4	8.7	7.6	7.4	7.5	8.1	7.6	7.8
15	8.7	7.9	8.4	8.9	8.4	8.7	8.1	7.4	7.8	8.1	7.6	7.8
16	8.7	7.8	8.4	8.9	8.4	8.8	8.3	7.6	7.8	8.2	7.7	7.9
17	8.8	7.9	8.4	8.9	8.3	8.7	7.9	7.6	7.7	8.0	7.6	7.8
18	8.8	8.0	8.4	8.9	8.3	8.7	7.9	7.5	7.7	8.1	7.5	7.7
19	8.8	8.0	8.5	8.9	8.3	8.6	8.1	7.5	7.7	7.8	7.6	7.7
20	8.8	8.0	8.5	8.7	8.2	8.6	7.8	7.5	7.6	8.1	7.6	7.8
21	8.8	8.0	8.3	8.8	8.2	8.5	7.5	7.4	7.5	8.1	7.7	7.8
22	8.8	8.0	8.5	8.9	8.2	8.6	7.6	7.3	7.4	8.3	7.8	8.0
23	8.8	8.0	8.5	8.9	8.3	8.6	7.6	7.3	7.4	8.1	7.8	8.0
24	8.8	8.0	8.5	8.7	8.1	8.5	7.6	7.3	7.4	8.1	7.8	7.9
25	8.8	7.9	8.5	8.6	7.9	8.3	7.7	7.3	7.5	8.1	7.7	7.9
26	8.8	8.0	8.5	8.6	7.7	8.1	7.8	7.4	7.6	8.3	7.6	7.9
27	8.8	8.1	8.5	8.6	7.5	7.9	7.8	7.4	7.6	8.4	7.7	8.1
28	8.8	8.0	8.5	8.5	7.4	7.9	7.8	7.4	7.6	8.5	7.7	8.1
29	8.9	8.1	8.6	7.8	7.3	7.5	7.8	7.5	7.6	8.5	7.6	8.0
30	8.9	8.2	8.6	7.7	7.2	7.4	7.8	7.5	7.6	8.1	7.6	7.9
31	8.8	8.2	8.6	---	---	---	7.8	7.5	7.7	7.8	7.5	7.7
MAX	8.9	8.2	8.6	8.9	8.4	8.8	8.3	7.6	7.8	8.5	7.8	8.1
MIN	7.9	7.4	7.6	7.7	7.2	7.4	7.5	7.2	7.4	7.7	7.5	7.6

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	<b>FEBRUARY</b>			<b>MARCH</b>			<b>APRIL</b>			<b>MAY</b>		
1	7.8	7.6	7.6	8.9	7.8	8.5	7.2	7.0	7.1	7.0	6.7	6.7
2	7.6	7.5	7.6	8.8	7.8	8.5	7.2	7.1	7.1	6.8	6.7	6.7
3	7.6	7.4	7.5	8.4	7.6	7.9	7.1	7.0	7.1	6.8	6.7	6.8
4	7.5	7.3	7.4	8.3	7.4	7.9	7.2	7.0	7.1	6.9	6.8	6.8
5	7.6	7.4	7.4	8.5	7.7	8.1	7.3	7.0	7.2	6.9	6.7	6.8
6	7.7	7.4	7.6	8.4	7.6	8.0	7.4	7.2	7.3	6.9	6.7	6.8
7	7.7	7.4	7.5	8.5	7.4	8.0	7.5	7.2	7.4	6.9	6.7	6.8
8	7.9	7.4	7.7	8.6	7.5	8.1	7.5	7.3	7.4	7.0	6.7	6.8
9	7.9	7.5	7.7	8.6	7.5	8.0	7.5	7.3	7.4	6.8	6.7	6.7
10	7.9	7.5	7.7	8.6	7.3	7.9	7.6	7.2	7.3	7.0	6.6	6.8
11	8.2	7.5	7.8	8.6	7.5	8.0	7.7	7.2	7.5	7.0	6.7	6.8
12	8.2	7.6	7.8	8.3	7.5	7.8	7.5	7.3	7.4	6.9	6.7	6.8
13	7.9	7.5	7.7	7.8	7.2	7.4	7.7	7.2	7.4	---	---	---
14	7.6	7.2	7.4	8.0	7.1	7.6	7.6	7.2	7.4	---	---	---
15	7.7	7.4	7.4	8.2	7.3	7.6	7.8	7.1	7.4	---	---	---
16	7.9	7.4	7.5	7.6	7.2	7.4	7.4	6.9	7.0	---	---	---
17	7.9	7.5	7.7	7.6	7.1	7.3	6.9	6.8	6.9	7.2	7.1	7.2
18	8.2	7.5	7.8	7.4	7.2	7.3	7.0	6.8	6.9	7.3	7.2	7.2
19	8.3	7.6	7.9	7.5	7.1	7.3	7.0	6.8	6.8	7.4	7.3	7.3
20	8.4	7.6	7.9	7.4	7.2	7.3	6.8	6.7	6.8	7.3	7.3	7.3
21	8.5	7.5	8.0	7.3	7.2	7.2	6.9	6.7	6.8	7.3	7.3	7.3
22	8.5	7.6	8.1	7.4	7.3	7.3	7.0	6.8	6.9	7.5	7.3	7.4
23	8.5	7.7	7.9	7.6	7.3	7.4	7.3	7.0	7.1	7.6	7.4	7.5
24	8.8	7.9	8.5	7.6	7.3	7.4	7.2	7.1	7.2	7.6	7.4	7.5
25	8.9	7.7	8.3	7.6	7.3	7.4	7.2	7.1	7.2	7.7	7.4	7.5
26	9.0	7.9	8.6	7.4	7.3	7.4	7.5	7.1	7.2	7.7	7.5	7.5
27	8.6	7.6	8.1	7.5	7.3	7.4	7.7	7.2	7.4	7.8	7.5	7.6
28	8.8	7.8	8.5	7.4	7.1	7.4	7.4	7.2	7.3	7.9	7.5	7.7
29	---	---	---	7.1	7.0	7.0	7.2	7.1	7.1	8.0	7.6	7.7
30	---	---	---	7.1	7.0	7.0	7.2	7.0	7.1	7.7	7.1	7.2
31	---	---	---	7.1	7.0	7.1	---	---	---	7.1	7.1	7.1
MAX	9.0	7.9	8.6	8.9	7.8	8.5	7.8	7.3	7.5	8.0	7.6	7.7
MIN	7.5	7.2	7.4	7.1	7.0	7.0	6.8	6.7	6.8	6.8	6.6	6.7
	<b>JUNE</b>			<b>JULY</b>			<b>AUGUST</b>			<b>SEPTEMBER</b>		
1	7.2	7.1	7.2	8.1	7.5	7.7	8.7	7.7	8.2	8.2	7.7	7.8
2	7.4	7.2	7.3	8.4	7.5	7.8	8.7	7.7	8.2	8.4	7.6	7.9
3	7.5	7.3	7.4	8.4	7.6	7.9	8.6	7.5	8.0	8.7	7.6	8.3
4	7.6	7.3	7.5	8.5	7.6	7.9	8.6	7.6	8.1	8.7	7.8	8.3
5	7.6	7.4	7.5	8.7	7.6	8.1	8.4	7.6	8.0	8.7	7.8	8.3
6	7.6	7.4	7.5	8.9	7.7	8.2	8.7	7.6	8.2	8.8	7.8	8.4
7	7.5	7.4	7.4	8.9	7.8	8.2	8.7	7.8	8.2	8.8	7.9	8.4
8	7.4	7.2	7.3	9.1	7.8	8.5	8.7	7.8	8.3	8.8	7.9	8.4
9	7.3	7.2	7.2	9.1	7.8	8.4	8.8	7.8	8.3	8.8	7.9	8.4
10	7.3	7.2	7.3	9.2	7.8	8.5	8.8	7.8	8.3	8.8	7.8	8.5
11	7.4	7.3	7.4	9.2	7.9	8.6	8.8	7.8	8.3	8.8	7.9	8.5
12	7.4	7.3	7.4	9.2	8.0	8.5	8.9	7.8	8.3	8.9	8.1	8.5
13	7.4	7.3	7.3	9.3	7.9	8.5	8.9	7.8	8.4	8.9	8.1	8.5
14	7.4	7.4	7.4	---	---	---	8.9	7.8	8.4	8.9	8.1	8.5
15	7.6	7.4	7.5	---	---	---	8.8	7.8	8.4	8.6	7.9	8.2
16	7.6	7.5	7.5	---	---	---	8.8	7.7	8.2	8.6	7.6	8.0
17	7.6	7.5	7.6	---	---	---	8.7	7.6	8.1	8.7	7.7	8.1
18	7.6	7.4	7.5	---	---	---	8.7	7.6	8.0	8.7	7.6	8.1
19	7.5	7.4	7.5	9.3	7.9	8.4	8.7	7.6	8.1	8.8	7.7	8.2
20	7.7	7.5	7.6	9.2	7.6	8.1	8.6	7.5	8.0	8.8	7.7	8.2
21	7.8	7.5	7.6	9.2	7.8	8.3	8.7	7.5	8.1	8.7	7.6	8.2
22	8.0	7.5	7.7	8.9	7.8	8.2	8.8	7.6	8.1	8.7	7.6	8.1
23	8.2	7.6	7.8	8.8	7.6	8.2	8.5	7.6	7.9	8.7	7.6	8.1
24	8.4	7.6	7.9	8.4	7.6	7.8	8.1	7.4	7.7	8.7	7.7	8.2
25	8.5	7.7	8.0	8.6	7.6	8.0	8.6	7.4	8.0	8.9	7.8	8.4
26	8.6	7.7	8.0	8.5	7.6	7.9	8.6	7.5	8.1	8.4	7.8	8.1
27	8.7	7.7	8.1	8.1	7.6	7.8	8.7	7.6	8.2	8.3	7.6	7.8
28	8.0	7.4	7.5	8.4	7.6	7.8	8.4	7.7	8.1	8.5	7.4	7.8
29	7.5	7.4	7.4	---	---	---	8.2	7.7	7.9	8.4	7.6	7.9
30	7.8	7.5	7.6	---	---	---	8.4	7.6	8.0	8.4	7.6	7.8
31	---	---	---	---	---	---	8.5	7.7	8.1	---	---	---
MAX	8.7	7.7	8.1	9.3	8.0	8.6	8.9	7.8	8.4	8.9	8.1	8.5
MIN	7.2	7.1	7.2	8.1	7.5	7.7	8.1	7.4	7.7	8.2	7.4	7.8
YEAR	MAX			MAXIMUM	9.3	MINIMUM	6.8					
	MIN			MAXIMUM	8.4	MINIMUM	6.6					
	MEDIAN			MAXIMUM	8.8	MINIMUM	6.7					

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	<b>OCTOBER</b>			<b>NOVEMBER</b>			<b>DECEMBER</b>			<b>JANUARY</b>		
1	15.0	14.5	14.5	11.5	9.5	10.5	12.5	12.0	12.0	0.5	0.0	0.0
2	16.5	14.0	15.0	13.5	11.0	12.0	12.0	10.0	11.0	0.5	0.0	0.0
3	18.5	15.5	17.0	13.5	13.0	13.5	10.0	9.0	9.5	0.5	0.0	0.0
4	19.5	17.0	18.0	13.0	12.0	12.5	9.5	8.5	9.0	0.5	0.0	0.5
5	19.5	17.5	18.5	12.5	10.0	11.5	10.0	9.0	9.5	1.5	0.0	1.0
6	19.0	18.0	18.5	10.0	9.0	9.5	10.5	9.5	10.0	1.5	0.5	1.0
7	18.0	15.5	16.5	10.5	9.0	10.0	11.0	10.0	10.5	1.5	1.0	1.0
8	15.5	14.0	14.5	11.0	9.5	10.5	10.5	8.5	9.5	1.0	0.0	0.5
9	15.0	12.5	14.0	11.0	10.0	10.5	8.5	7.5	8.0	1.0	0.5	1.0
10	15.0	13.0	14.0	10.0	9.0	9.5	7.5	6.5	7.0	2.5	1.0	1.5
11	16.5	14.0	15.0	9.5	8.5	9.0	---	---	---	3.5	2.5	2.5
12	17.0	15.0	16.0	8.5	7.5	8.0	---	---	---	4.0	3.0	3.5
13	18.0	16.0	17.0	8.0	7.0	7.5	7.5	7.0	7.5	4.5	3.0	3.5
14	18.0	17.0	17.5	8.0	6.5	7.5	8.5	7.5	8.0	4.0	2.5	3.5
15	18.5	17.0	17.5	9.5	7.5	8.5	8.5	7.0	8.0	4.0	3.0	3.5
16	17.5	15.5	16.5	10.0	8.5	9.5	7.0	6.0	6.5	4.0	3.0	3.5
17	16.0	14.0	15.5	10.0	9.0	9.5	6.5	6.0	6.5	4.0	3.0	3.5
18	14.5	13.0	13.5	9.5	8.0	9.0	7.5	6.5	7.0	3.5	3.0	3.5
19	14.0	12.0	13.0	9.5	8.0	9.0	7.0	6.0	6.5	3.0	1.0	2.0
20	14.5	12.5	13.5	9.5	8.5	9.0	6.5	5.5	6.0	2.0	0.5	1.5
21	15.0	13.0	14.0	8.5	7.0	7.5	5.5	4.5	5.0	2.0	1.5	1.5
22	16.0	14.0	15.0	7.5	6.0	7.0	4.5	3.5	4.0	3.0	1.5	2.5
23	16.0	14.5	15.5	7.5	6.0	7.0	4.0	3.5	4.0	3.5	2.5	2.5
24	17.5	15.5	16.5	9.0	7.5	8.0	5.0	4.0	4.5	4.5	3.5	4.0
25	17.5	16.0	17.0	11.0	9.0	10.0	4.0	3.5	3.5	5.0	4.0	4.5
26	16.0	14.0	15.0	11.5	10.5	11.0	3.5	3.0	3.0	5.0	3.5	4.5
27	14.0	11.5	12.5	11.0	9.5	10.0	3.0	2.0	2.5	5.0	3.5	4.0
28	11.5	10.0	11.0	11.0	10.0	10.5	2.0	1.0	1.5	5.0	3.5	4.5
29	11.5	9.5	10.5	11.0	11.0	11.0	2.0	1.5	1.5	5.5	4.0	4.5
30	12.0	10.5	11.5	12.0	11.0	11.5	1.5	0.0	0.5	6.0	5.0	5.5
31	11.5	10.5	10.5	---	---	---	0.5	0.0	0.0	6.0	5.5	5.5
MONTH	19.5	9.5	15.0	13.5	6.0	9.7	12.5	0.0	6.3	6.0	0.0	2.6
	<b>FEBRUARY</b>			<b>MARCH</b>			<b>APRIL</b>			<b>MAY</b>		
1	5.5	5.0	5.0	7.0	4.5	6.0	10.5	9.5	10.0	12.0	10.5	11.0
2	5.0	3.0	4.0	6.5	5.0	6.0	11.5	9.5	10.5	12.0	11.0	11.5
3	3.0	2.5	2.5	8.0	6.5	7.5	12.5	11.0	11.5	12.5	11.5	12.0
4	2.5	1.5	2.0	7.5	6.0	7.0	11.5	10.0	10.5	13.0	11.5	12.0
5	1.5	0.5	1.0	6.0	5.0	5.5	10.5	9.0	10.0	14.0	12.0	13.0
6	2.0	1.0	1.5	6.0	4.5	5.5	9.5	8.5	9.0	15.0	13.0	14.0
7	2.5	2.0	2.0	7.5	5.5	6.5	9.5	8.0	8.5	17.0	14.5	15.5
8	3.5	2.0	2.5	8.0	6.5	7.0	9.5	8.5	9.0	18.0	16.5	17.0
9	4.0	2.5	3.0	10.0	7.0	8.5	11.5	9.5	10.5	17.5	16.0	17.0
10	5.5	3.5	4.5	10.5	8.0	9.5	13.0	11.5	12.0	18.0	16.0	17.0
11	5.5	4.0	5.0	8.0	6.5	7.5	13.5	12.0	12.5	18.0	16.5	17.0
12	4.0	3.5	3.5	7.5	6.5	7.0	12.5	12.5	12.5	17.5	16.5	17.0
13	4.5	3.0	4.0	7.5	7.0	7.0	14.5	12.5	13.5	---	---	---
14	3.5	2.5	3.0	9.5	7.0	8.0	15.5	14.0	15.0	---	---	---
15	3.0	2.5	3.0	10.5	8.5	9.5	17.5	15.0	16.0	---	---	---
16	4.5	3.0	3.5	10.5	9.5	10.0	18.5	16.0	17.0	---	---	---
17	5.0	4.0	4.5	9.5	7.5	8.0	19.5	17.5	18.5	15.5	13.5	14.5
18	4.5	3.0	3.5	7.5	7.0	7.0	20.5	18.5	19.5	15.0	14.0	14.5
19	5.0	3.0	4.0	8.0	7.0	7.5	21.0	19.5	20.5	14.0	13.5	13.5
20	6.0	4.5	5.0	8.0	7.0	7.5	21.0	19.5	20.0	13.5	12.5	13.0
21	8.0	6.0	6.5	8.0	6.5	7.5	19.5	16.5	18.0	12.5	11.5	12.0
22	8.0	6.5	7.5	8.0	6.0	6.5	16.5	15.0	16.0	13.5	11.0	12.5
23	8.0	6.0	7.0	7.0	5.5	6.0	15.0	13.5	14.0	14.5	12.0	13.5
24	8.0	6.0	7.0	7.0	6.0	6.5	15.0	13.0	14.0	16.5	13.5	15.0
25	8.0	6.0	7.0	7.0	6.5	6.5	14.0	12.0	13.0	17.5	16.0	16.5
26	9.0	6.5	8.0	7.0	6.5	6.5	13.5	11.5	12.5	17.5	16.5	17.0
27	8.5	6.5	7.5	8.0	6.5	7.0	14.0	12.5	13.0	18.5	17.0	18.0
28	7.0	5.0	6.0	8.0	6.5	7.5	13.5	13.0	13.0	19.5	18.5	19.0
29	---	---	---	7.5	6.0	7.0	13.0	12.0	12.5	21.0	19.5	20.0
30	---	---	---	9.0	7.0	8.0	12.0	11.0	11.5	20.5	19.0	19.5
31	---	---	---	9.5	8.5	9.0	---	---	---	20.0	18.0	19.0
MONTH	9.0	0.5	4.4	10.5	4.5	7.3	21.0	8.0	13.5	21.0	10.5	15.2

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

## TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.5	19.5	20.5	27.5	25.5	26.5	30.5	27.5	29.0	21.5	20.5	21.0
2	21.5	20.0	21.0	29.0	26.0	27.0	31.0	28.5	29.5	21.0	19.5	20.0
3	21.5	20.0	21.0	30.0	27.0	28.5	30.5	27.5	29.0	23.0	20.0	21.5
4	21.0	20.0	20.5	31.0	28.0	29.5	31.5	28.5	30.0	25.0	22.5	23.5
5	22.0	19.5	20.5	30.0	28.0	29.0	30.5	29.0	29.5	25.0	23.0	24.0
6	22.0	21.0	21.5	28.0	26.5	27.0	29.5	26.5	28.0	24.5	22.5	23.5
7	21.0	19.5	20.0	27.0	25.0	26.0	26.5	24.5	25.5	24.5	22.0	23.5
8	19.5	18.5	19.0	28.0	25.0	26.5	26.0	24.0	25.0	25.0	22.5	23.5
9	19.5	17.5	18.5	28.5	25.5	27.0	27.0	24.0	25.5	25.5	23.0	24.5
10	20.5	18.5	19.5	28.5	26.0	27.0	27.5	24.5	26.0	26.5	24.0	25.0
11	22.0	20.0	21.0	27.0	24.5	26.0	28.0	25.0	26.5	26.0	22.5	24.5
12	22.5	21.5	22.0	27.5	24.0	25.5	28.5	26.0	27.5	23.0	21.0	22.0
13	22.5	21.0	21.5	26.5	24.5	25.5	29.5	27.0	28.5	22.5	20.5	21.5
14	21.0	19.5	20.0	---	---	---	30.0	27.5	28.5	23.0	21.5	22.5
15	19.5	18.5	19.0	---	---	---	29.5	27.5	28.5	23.5	23.0	23.5
16	19.0	17.5	18.5	---	---	---	30.0	28.0	29.0	24.5	23.0	23.5
17	19.5	18.0	19.0	---	---	---	30.5	28.5	29.5	24.5	22.5	23.5
18	20.5	18.5	19.5	---	---	---	31.0	29.0	30.0	24.0	22.0	23.0
19	20.0	19.0	19.5	29.0	27.5	28.0	30.5	28.5	29.5	23.5	21.5	22.5
20	21.5	19.5	20.5	29.5	26.5	28.0	29.5	28.0	29.0	23.5	22.0	23.0
21	23.0	20.5	21.5	29.0	27.0	28.0	29.0	27.0	28.0	24.5	22.5	23.5
22	24.0	22.0	23.0	29.5	26.5	28.0	28.0	26.0	27.0	25.0	23.5	24.5
23	25.0	23.0	24.0	30.5	27.5	28.5	27.5	26.0	27.0	24.5	23.0	23.5
24	26.0	24.5	25.0	29.0	26.5	27.5	26.0	25.0	25.0	23.0	21.5	22.5
25	27.5	25.5	26.0	27.0	25.5	26.0	26.5	24.0	25.5	22.0	20.5	21.5
26	28.0	26.0	27.0	25.5	24.5	25.0	26.5	25.0	26.0	21.5	20.0	20.5
27	28.5	26.5	27.5	24.5	24.0	24.0	26.0	24.5	25.0	20.0	19.0	19.5
28	27.0	25.5	26.0	26.5	24.0	25.0	25.5	23.5	24.5	21.0	19.5	20.5
29	26.5	24.5	25.5	---	---	---	23.5	21.5	22.0	20.5	19.0	20.0
30	27.0	25.0	26.0	---	---	---	22.0	21.0	21.5	20.5	18.5	19.5
31	---	---	---	---	---	---	22.0	21.0	21.5	---	---	---
MONTH	28.5	17.5	21.8	31.0	24.0	26.9	31.5	21.0	27.0	26.5	18.5	22.5
YEAR	31.5	0.0	14.2									

## OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.0	9.7	10.3	14.1	11.1	12.6	12.4	9.6	10.9	14.9	14.2	14.5
2	11.6	9.9	10.6	14.1	11.4	12.7	12.0	9.9	10.9	15.3	14.3	14.8
3	11.5	9.5	10.4	13.0	10.8	11.7	12.5	10.2	11.3	15.6	15.0	15.2
4	11.3	9.2	10.1	13.7	10.7	12.1	12.7	10.7	11.6	15.6	14.8	15.2
5	11.2	9.0	10.0	13.4	10.9	12.1	12.5	10.9	11.5	15.5	14.8	15.1
6	10.6	8.8	9.5	13.7	10.9	12.3	12.6	10.7	11.5	15.2	14.6	14.8
7	11.2	9.0	10.0	14.1	11.6	12.8	12.3	10.4	11.2	14.8	14.3	14.5
8	11.8	9.5	10.6	14.4	11.6	12.9	11.6	10.3	11.0	15.4	14.5	14.9
9	12.1	10.1	11.0	14.0	11.4	12.7	12.5	10.6	11.4	15.2	14.7	14.9
10	12.4	10.4	11.3	14.2	11.6	12.8	13.1	11.2	12.1	15.3	14.5	14.8
11	12.4	10.4	11.2	14.2	11.8	12.9	---	---	---	14.7	14.0	14.3
12	12.1	9.8	10.9	14.3	11.9	13.0	---	---	---	14.8	13.7	14.1
13	12.0	9.7	10.8	14.6	12.4	13.6	12.6	11.8	12.1	14.3	13.4	13.9
14	11.6	9.3	10.3	15.0	12.7	13.8	12.0	11.2	11.6	14.8	13.5	14.1
15	11.7	9.0	10.3	14.8	12.3	13.6	13.0	11.0	11.9	14.9	13.7	14.2
16	11.7	9.3	10.5	14.5	12.2	13.3	13.7	11.7	12.6	15.1	13.7	14.3
17	11.8	9.5	10.6	14.5	12.0	13.2	12.9	12.1	12.4	14.8	13.7	14.2
18	12.6	10.1	11.2	14.6	12.3	13.4	12.6	11.5	12.0	15.0	13.6	14.2
19	12.8	10.5	11.6	14.3	12.3	13.3	13.2	11.6	12.3	14.5	13.7	14.1
20	12.9	10.6	11.6	13.7	11.9	12.8	12.8	11.9	12.3	15.7	14.0	14.7
21	12.8	10.4	11.6	14.7	12.2	13.2	12.9	12.1	12.5	15.6	14.4	14.9
22	12.8	10.3	11.4	15.2	12.9	13.9	13.4	12.4	12.9	15.9	14.4	15.1
23	12.5	9.9	11.1	15.2	13.0	14.0	13.6	12.6	13.1	15.2	14.3	14.7
24	12.5	9.8	11.1	14.3	12.6	13.4	13.4	12.6	13.0	14.5	13.8	14.1
25	11.9	9.3	10.5	13.9	11.8	12.7	13.7	12.7	13.1	14.5	13.1	13.8
26	11.9	9.4	10.7	13.6	10.9	12.1	13.7	12.7	13.2	14.9	12.9	13.9
27	12.2	10.1	11.1	13.6	10.8	12.2	13.8	12.6	13.2	15.2	13.4	14.2
28	13.2	10.5	11.8	13.6	10.9	12.1	14.0	13.1	13.5	15.3	13.3	14.2
29	13.7	11.2	12.4	11.8	10.3	10.8	14.2	13.4	13.8	15.1	13.2	14.1
30	13.9	11.4	12.6	11.8	9.6	10.6	14.4	13.4	13.9	13.9	12.8	13.5
31	13.0	11.2	12.2	---	---	---	14.8	14.1	14.3	13.2	12.5	12.8
MONTH	13.9	8.8	10.9	15.2	9.6	12.8	14.8	9.6	12.3	15.9	12.5	14.4





## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

OXYGEN DIS. PERCENT, in % OF SATURATION, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	<b>OCTOBER</b>			<b>NOVEMBER</b>			<b>DECEMBER</b>			<b>JANUARY</b>		
1	109	95	102	129	98	113	117	89	102	103	97	100
2	119	96	106	134	103	118	110	90	99	106	98	102
3	122	96	108	126	103	113	111	89	100	108	103	105
4	123	95	107	130	99	114	112	92	101	108	102	105
5	123	94	107	122	100	111	111	94	101	110	102	106
6	113	93	102	122	95	108	113	93	102	107	102	104
7	116	92	102	127	100	113	111	92	101	105	101	103
8	118	93	104	130	102	115	101	90	96	109	100	104
9	120	95	107	126	102	113	107	90	97	108	102	105
10	124	99	110	126	101	113	109	92	100	112	102	106
11	126	100	111	124	102	112	---	---	---	110	103	106
12	126	98	111	121	99	110	---	---	---	113	101	106
13	127	99	112	123	102	113	106	97	101	110	101	105
14	123	97	109	127	104	115	102	94	98	112	100	106
15	124	94	108	128	104	116	110	93	100	114	102	108
16	121	94	107	129	105	116	112	94	102	115	102	108
17	119	95	106	128	104	116	105	97	101	112	102	107
18	123	96	108	127	104	115	105	95	99	113	101	107
19	125	98	111	125	104	115	109	94	101	106	99	102
20	126	100	112	119	103	111	103	95	99	113	99	105
21	127	100	113	124	101	111	101	95	98	113	103	107
22	130	100	113	126	105	115	104	95	99	117	103	110
23	127	98	112	126	106	116	105	95	100	113	105	109
24	131	99	113	123	106	113	105	97	100	111	105	108
25	125	96	109	125	104	113	104	95	99	113	100	107
26	118	93	106	125	98	110	104	94	99	117	98	107
27	114	94	104	122	96	109	102	92	97	119	101	109
28	122	93	107	123	96	108	101	92	97	120	100	110
29	126	99	112	107	94	98	103	95	99	120	100	110
30	129	103	116	109	87	97	101	93	97	112	100	107
31	118	101	110	---	---	---	103	97	99	106	99	102
MONTH	131	92	109	134	87	112	117	89	99	120	97	106
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	<b>FEBRUARY</b>			<b>MARCH</b>			<b>APRIL</b>			<b>MAY</b>		
1	105	98	100	124	98	111	106	100	103	105	103	104
2	103	96	99	120	99	110	108	100	104	103	99	101
3	103	96	100	112	100	106	106	100	103	103	98	100
4	101	95	98	114	97	105	110	99	104	105	98	102
5	101	93	96	116	98	107	108	101	105	106	96	102
6	103	95	99	116	100	107	111	103	107	103	97	101
7	104	97	99	121	101	110	115	104	109	101	94	98
8	107	95	101	123	102	112	114	106	110	103	86	97
9	108	97	102	124	102	112	114	106	110	95	89	91
10	108	98	103	121	98	108	114	103	108	101	85	94
11	107	97	101	121	95	107	116	103	109	101	90	95
12	106	93	99	115	96	106	110	103	107	95	88	91
13	102	95	98	106	98	102	115	102	108	---	---	---
14	104	95	99	125	94	110	114	101	107	---	---	---
15	103	96	99	127	104	115	115	98	106	---	---	---
16	107	97	101	114	103	109	106	95	100	---	---	---
17	106	97	101	113	100	106	102	91	96	104	100	101
18	107	95	101	109	98	105	103	93	98	100	93	98
19	111	97	104	117	99	109	103	88	96	102	97	100
20	112	97	105	110	106	107	95	87	91	103	100	102
21	116	98	106	110	104	107	96	87	91	104	100	102
22	115	94	106	110	102	106	99	92	95	105	99	102
23	120	91	105	114	104	108	110	96	102	106	98	102
24	121	100	110	112	104	108	116	101	107	106	98	101
25	122	97	109	112	102	107	107	102	104	106	94	100
26	124	100	111	106	102	104	114	100	107	103	94	98
27	115	94	103	109	101	105	118	105	111	106	94	100
28	120	93	106	108	103	105	111	102	106	110	95	102
29	---	---	---	107	103	105	102	99	101	110	95	101
30	---	---	---	108	105	106	105	102	103	98	92	94
31	---	---	---	106	102	104	---	---	---	95	92	94
MONTH	124	91	102	127	94	107	118	87	104	110	85	99

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

OXYGEN DIS. PERCENT, in % OF SATURATION, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	96	90	93	112	88	100	129	81	104	110	96	102
2	99	90	94	121	89	105	131	86	107	118	95	106
3	102	91	96	120	91	105	126	81	103	129	95	110
4	100	94	96	118	86	101	135	86	109	133	94	111
5	103	91	97	116	84	100	120	88	105	131	91	109
6	101	92	95	116	82	98	140	91	112	133	92	111
7	95	90	92	116	81	97	141	95	117	134	91	111
8	95	93	94	116	83	99	140	98	119	136	92	112
9	97	93	95	113	79	94	148	101	123	137	92	113
10	98	93	95	111	75	91	150	103	125	141	92	114
11	99	92	95	103	71	87	149	99	123	125	90	107
12	96	91	93	101	69	84	151	103	125	134	88	109
13	91	89	90	96	67	80	150	100	124	140	95	116
14	91	88	89	---	---	---	---	---	---	139	96	115
15	92	88	90	---	---	---	---	---	---	127	94	107
16	95	82	91	---	---	---	---	---	---	129	89	106
17	100	90	96	---	---	---	---	---	---	131	94	110
18	100	93	96	---	---	---	---	---	---	124	93	106
19	100	93	96	---	---	---	---	---	---	125	89	105
20	105	95	99	---	---	---	---	---	---	124	90	105
21	108	95	101	---	---	---	---	---	---	123	87	104
22	111	95	102	---	---	---	---	---	---	125	85	103
23	115	95	104	133	75	100	---	---	---	123	84	101
24	119	96	107	106	71	86	111	87	98	126	86	104
25	124	95	109	118	80	97	136	87	109	131	88	108
26	124	98	109	111	81	94	135	92	112	108	89	99
27	126	90	108	100	78	91	139	94	114	111	88	97
28	104	86	93	114	84	97	120	95	106	116	84	99
29	93	81	88	---	---	---	113	95	103	118	88	102
30	107	86	96	---	---	---	122	93	107	116	89	102
31	---	---	---	---	---	---	125	98	111	---	---	---
MONTH	126	81	97	133	67	95	151	81	112	141	84	107
YEAR	151	67	104									

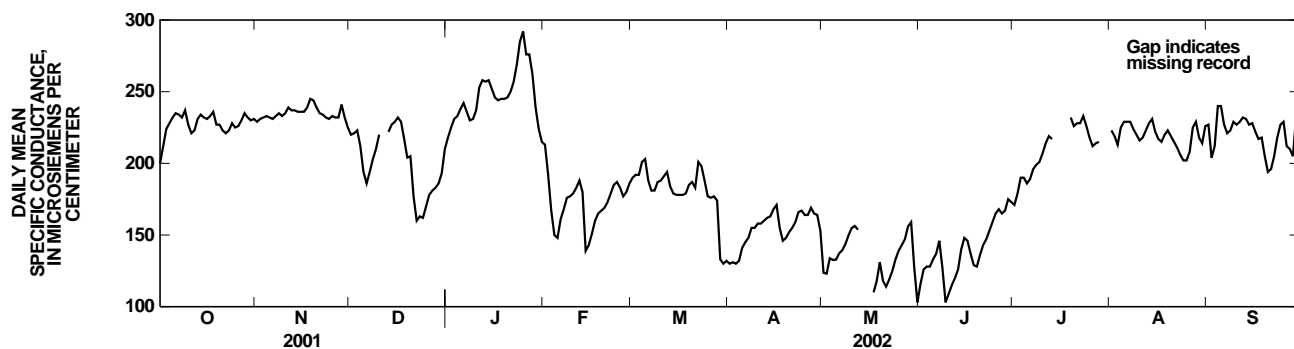
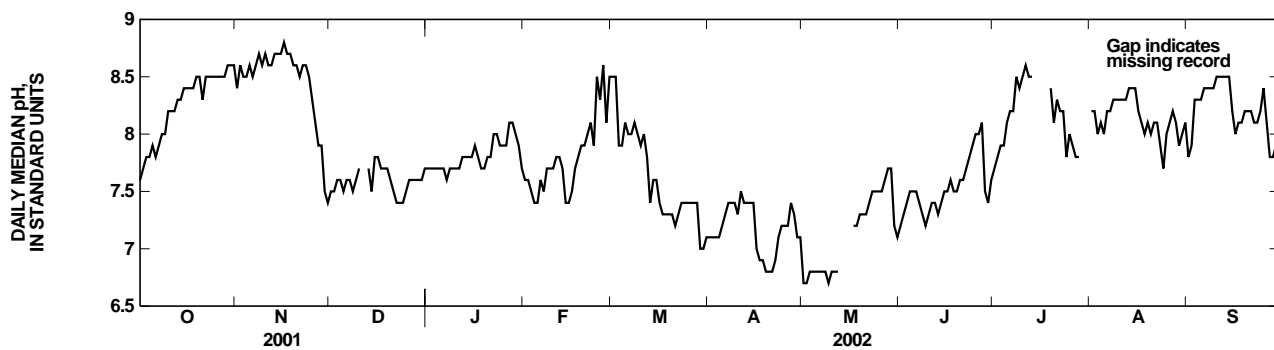
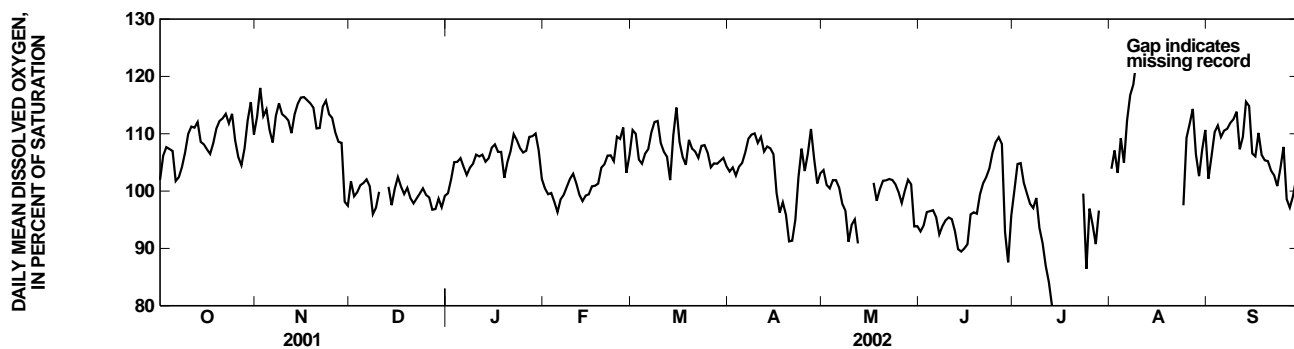
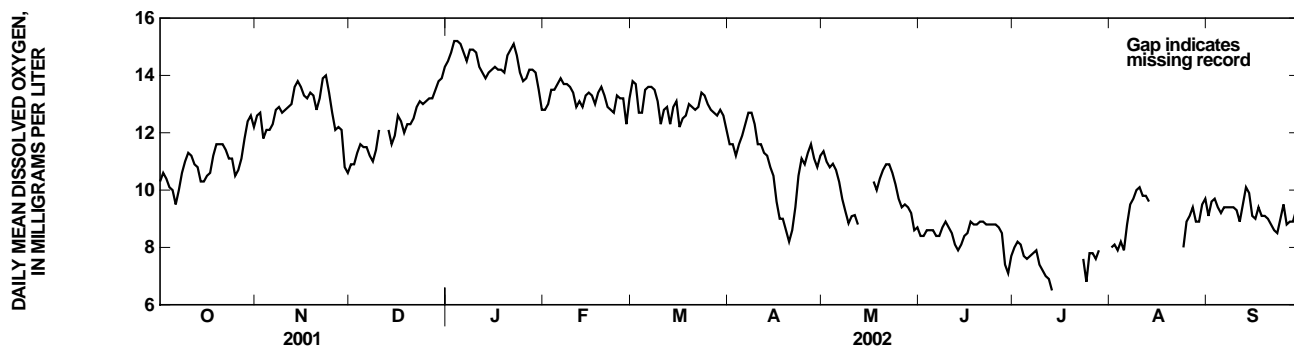
TURBIDITY, FIELD, IN (NTU), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.3	<2.0	<2.0	5.8	<2.0	2.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2	<2.0	<2.0	<2.0	3.7	<2.0	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
3	<2.0	<2.0	<2.0	5.1	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4	<2.0	<2.0	<2.0	5.1	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
5	<2.0	<2.0	<2.0	4.6	<2.0	2.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
6	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	3.4	<2.0	<2.0
8	<2.0	<2.0	<2.0	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11	<2.0	<2.0	<2.0	2.3	<2.0	<2.0	---	---	---	4.0	<2.0	<2.0
12	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	---	---	---	<2.0	<2.0	<2.0
13	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
14	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.7	<2.0	<2.0	<2.0	<2.0	<2.0
15	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
16	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
17	2.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
18	3.1	<2.0	<2.0	<2.0	<2.0	<2.0	3.5	<2.0	<2.0	<2.0	<2.0	<2.0
19	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	3.6	<2.0	2.3	<2.0	<2.0	<2.0
20	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	16	2.2	5.0	<2.0	<2.0	<2.0
21	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	17	7.1	11	<2.0	<2.0	<2.0
22	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	10	6.4	7.9	<2.0	<2.0	<2.0
23	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	10	6.2	7.6	<2.0	<2.0	<2.0
24	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	9.4	6.3	7.9	4.2	<2.0	<2.0
25	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	9.0	5.2	7.2	10	<2.0	6.3
26	2.9	<2.0	<2.0	<2.0	<2.0	<2.0	7.3	<2.0	2.9	10	2.5	5.0
27	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	3.8	2.3	2.6
28	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.6	<2.0	2.0
29	3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.3	<2.0	<2.0
30	4.2	<2.0	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.7	<2.0	<2.0
31	3.8	<2.0	<2.0	---	---	---	<2.0	<2.0	<2.0	3.4	<2.0	<2.0
MONTH	4.3	<2.0	<2.0	5.8	<2.0	<2.0	17	<2.0	2.6	10	<2.0	<2.0



## DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued



DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

