01463500 DELAWARE RIVER AT TRENTON, NJ

LOCATION.--Lat 40°13'18", long 74°46'42", Mercer County, Hydrologic Unit 02040105, New Jersey Department of Environmental Protection Watershed Management Area 11, on left bank 450 ft upstream from Calhoun Street Bridge at Trenton, 0.5 mi upstream from Assunpink Creek, and at mile 134.5.

DRAINAGE AREA.--6,780 mi^2.

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.
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.
WATER TEMPERATURE: October 1944 to current year. Recorded as once daily during years 1945 to 1953, 1962, 1964, 1979.
SUSPENDED-SEDIMENT DISCHARGE: September 1949 to September 1981.

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June 1968 to August 1975: water withdrawn from raw-water intake within Trenton Water Filtration Plant, Trenton, NJ.
November 1975 to November 1978: water withdrawn from river through PVC pipe to gage house outside Trenton Water Filtration Plant, Trenton, NJ.
December 1979 to September 1986: water withdrawn from raw-water intake within Trenton Water Filtration Plant, Trenton, NJ.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., 1600 feet upstream from the gage house.

REMARKS.--Missing continuous water-quality records are the result of instrument malfunction or interruption of flow through the filtration plant. Unpublished records of suspended-sediment discharge for the period Oct. 1, 1981, to Mar. 31, 1982, are available at the U.S. Geological Survey Office in West Trenton, NJ. Nutrients collected on the following dates and times were collected to fullfill the requirements of the Ambient Stream Monitoring Program: 12/2 at 1021, 2/8 at 1046, 5/6 at 1231, and 8/5 at 0701. Streambed sediment samples were collected during low-flow conditions to determine concentrations of trace metals and hydrophobic organic compounds. The bed sediment sample is a composite of the top 1-2 centimeters of material from at least 5 depositional areas within the stream reach. More information regarding methods can be found in Shelton and Capel, 1994. Guidelines for collecting and processing samples of stream bed sediments for analysis of trace elements and organic contaminants for the National Water-Quality Assessment Program: U.S. Geological Survey Open-File Report 94-458, 20 p. Fish tissue samples were collected to determine occurrence and concentrations of trace metals and organochlorine compounds. Each sample for organochlorine analysis consisted of a composite of whole white suckers (Catostomus commersoni), whole common carp (Cyprinus carpio), or fillets (with skin) of smallmouth bass (Micropterus dolomieu). Each sample for trace metals consisted of a composite of livers from white suckers or common carp. More information regarding methods can be found in Crawford and Luoma, 1993, Guidelines for studies of contaminants in biological tissues for the National Water-Quality Assessment Program: U.S. Geological Survey Open-File Report 92-494, 69 p. Fish tissue, bed sediment, and fish community data for this site and other sites are presented in the section entitled "Water Quality at Miscellaneous Sites."

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISSOLVED OXYGEN: maximum, 20.0 mg/L, Feb. 11, 1989; minimum, 4.0 mg/L, Nov. 9, 1972, Sept. 9, 1995.
pH: maximum, 10.3, Aug. 9, 10, 1983; minimum 5.3, June 22, 1972.
SPECIFIC CONDUCTANCE: maximum, 468 uS/cm, Jan. 11, 1999; minimum, 63 uS/cm, July 7, 1984.
WATER TEMPERATURE: maximum, 34.0°C, June 18, 1957; minimum -0.6°C, on many days during winter months in water years 1954-57.

EXTREMES FOR CURRENT WATER YEAR.--
DISSOLVED OXYGEN: maximum, 16.5 mg/L, Dec. 19; minimum recorded, 6.3 mg/L, June 30, July 9, but may have been lower during period of instrument malfunction July 18 - Aug. 2.
pH: maximum, 9.4, on several days in November; minimum, 7.0, Jan. 26, 27.
SPECIFIC CONDUCTANCE: maximum, 468 uS/cm, Jan. 11; minimum recorded, 90 uS/cm, Sept. 16, but may have been lower during period of interrupted flow through the filtration plant Sept. 17-21.
WATER TEMPERATURE: maximum 33.0°C, July 6; minimum, 0.0°C, on several days in December and January.

COOPERATION.--Analyses for the determination of dissolved nitrate, total ammonia, dissolved ammonia, dissolved hexavalent, chromium, BOD, and fecal coliform and enterococci bacteria on 12/2 at 1022, 2/8 at 1047, 5/6 at 1232, and 8/5 at 0702 were performed by the New Jersey Department of Health. All field data and samples for laboratory analyses were provided by the Delaware River Basin National Water-Quality Assessment Program.

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

DATE	TIME	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 (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL AS CACO3) (MG/L (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV 1998												
02...	1215	2950	760	120	13.0	8.7	238	12.5	12.0	81	20	7.4
DEC												
02...	1020	2980	768	109	13.2	8.5	204	16.5	7.5	69	17	6.2
02...	1021	--	--	--	--	--	--	16.5	--	--	--	--
02...	1022	--	--	--	--	--	--	--	--	--	--	--
JAN 1999												
06...	1245	3900	767	101	14.8	7.8	301	.5	.0	74	19	6.5
FEB												
08...	1045	15500	760	--	--	7.5	143	3.0	--	44	12	3.6
08...	1046	--	--	--	--	--	--	--	--	--	--	--
08...	1047	--	--	--	--	--	--	--	--	--	--	--
MAR												
09...	1540	13900	765	96	13.2	7.6	146	3.5	2.5	43	11	3.6
APR												
13...	1050	12000	758	111	12.3	7.6	171	13.0	10.5	51	13	4.5
MAY												
06...	1230	6580	753	102	9.7	7.9	200	22.0	17.5	64	16	5.7
06...	1231	--	--	--	--	--	--	22.0	--	--	--	--
06...	1232	--	--	--	--	--	--	--	--	--	--	--
JUN												
01...	1330	5900	761	140	11.6	8.50	169	34.0	25.0	53	14	4.7
30...	0920	2920	760	--	--	8.1	243	31.0	--	80	20	7.7
AUG												
05...	0700	2710	755	95	7.6	7.7	204	22.5	26.0	66	16	6.6
05...	0701	--	--	--	--	--	--	--	--	--	--	--
05...	0702	--	--	--	--	--	--	--	--	--	--	--
SEP												
08...	1130	2980	756	139	11.1	8.2	233	27.5	26.0	76	18	7.4
17...	1620	71600	759	87	8.2	7.5	172	20.0	18.0	54	15	3.9

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD LAB TIT 4.5 (MG/L AS CACO3) (90410)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC WATER FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE UNFLTRD DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
NOV 1998												
02...	1.8	13	61	56	56	68	--	18	<.1	.74	23	<.02
DEC												
02...	1.5	11	53	50	--	58	1	16	<.1	.28	17	<.02
02...	--	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--	<.03
JAN 1999												
06...	2.5	26	52	51	--	63	--	40	<.1	3.9	24	.13
FEB												
08...	.9	9.1	26	25	--	30	--	16	<.1	4.4	14	.03
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	.09
MAR												
09...	.9	9.3	--	--	--	--	--	16	<.1	3.7	12	<.02
APR												
13...	1.0	10	--	34	--	42	--	17	<.1	2.8	14	<.02
MAY												
06...	1.3	10	--	44	--	53	--	18	<.1	2.4	17	.05
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	<.03
JUN												
01...	1.1	9.2	--	34	--	41	--	15	<.1	3.2	14	.02
30...	1.7	15	--	55	--	67	--	22	<.1	2.7	22	.03
AUG												
05...	1.6	14	--	46	--	56	--	22	<.1	2.6	19	.03
05...	--	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--	<.03
SEP												
08...	2.0	14	--	54	--	65	--	20	<.1	1.7	20	<.02
17...	2.6	6.4	--	30	--	37	--	11	<.1	4.2	19	.05

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

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NO2+NO3 NITRO-GEN, DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	UV ABSORB-ANCE 254 NM, WTR FLT (UNITS /CM) (50624)
NOV 1998												
02...	.2	.3	--	1.1	.89	1.1	<.01	.05	.05	.06	--	--
DEC												
02...	.2	.3	--	1.1	.86	1.1	<.01	E.04	.03	E.03	--	--
02...	.14	.2	--	.90	.76	.97	--	E.04	--	.05	--	.050
02...	--	--	<.03	--	--	--	.008	--	--	--	<1.0	--
JAN 1999												
06...	.4	.8	--	1.9	1.5	2.3	.02	.13	.07	.14	--	--
FEB												
08...	.2	.2	--	1.0	.84	1.0	<.01	.02	.031	.03	--	--
08...	.18	.2	--	1.0	.85	1.1	--	<.05	--	E.03	--	.079
08...	--	--	.07	--	--	--	.006	--	--	--	2.1	--
MAR												
09...	.1	.2	--	.77	.64	.82	<.01	.019	.01	.033	--	--
APR												
13...	.3	.3	--	.98	.66	.98	<.01	.029	.02	.044	--	--
MAY												
06...	.2	.2	--	1.0	.81	1.0	.01	.05	.05	.08	--	--
06...	.22	.4	--	1.1	.88	1.3	--	.06	--	.07	--	.060
06...	--	--	<.03	--	--	--	.013	--	--	--	3.9	--
JUN												
01...	.2	.4	--	.80	.60	1.0	<.01	.039	.03	.066	--	--
30...	.2	.8	--	1.0	.77	1.5	<.01	.098	.09	.17	--	--
AUG												
05...	.2	.3	--	.86	.66	.95	<.01	.09	.07	.11	--	--
05...	.25	.4	--	.89	.64	1.1	--	.07	--	.10	--	.052
05...	--	--	<.03	--	--	--	.007	--	--	--	2.7	--
SEP												
08...	.2	.2	--	1.2	.96	1.2	<.01	.12	.08	.12	--	--
17...	.3	.9	--	2.0	1.7	2.6	.01	.056	.04	.31	--	--

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 (NTU) (00076)	WATER UNFLTRD (NTU) (61028)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ENTERO-COCCI TOTAL (COL / 100 ML) (31649)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR) (01032)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
NOV 1998												
02...	132	122	--	1	--	--	31.6	--	2.4	.2	10	1
DEC												
02...	118	103	.5	1	--	--	19.5	--	2.1	.3	8.9	1
02...	--	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	<20	<10	--	<5	--	--	--	--
JAN 1999												
06...	165	159	--	20	--	--	22.0	--	3.6	.6	130	12
FEB												
08...	84	78	1.5	--	--	--	E8.8	--	2.5	.2	172	4
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	20	10	--	8	--	--	--	--
MAR												
09...	87	--	--	5	--	--	E11.1	--	2.4	.3	158	4
APR												
13...	100	86	4.7	5	--	--	E12.7	--	2.4	.4	262	8
MAY												
06...	109	101	4.0	4	--	--	E14.8	--	2.2	.4	208	12
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	20	<10	--	<5	--	--	--	--
JUN												
01...	116	84	--	5	--	--	E14.0	--	2.6	.8	158	10
30...	137	127	--	--	--	--	25.6	--	2.5	.6	27	3
AUG												
05...	118	111	1.9	3	--	--	E16.0	--	2.3	.5	--	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	170	60	--	<5	--	--	--	--
SEP												
08...	130	120	--	.300	--	--	23.3	--	2.2	.2	18	2
17...	103	88	--	--	--	--	20.0	--	5.0	>4.0	44600	231

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

DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, DISSOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
NOV 1998											
02...	1215	--	--	--	--	--	--	--	--	16	--
DEC											
02...	1020	<10	<1	<10	<1	<1.0	<1.0	<1	<1	14	40
JAN 1999											
06...	1245	--	--	--	--	--	--	--	--	19	--
FEB											
08...	1045	<10	<1	<10	<1	<1.0	<1.0	<1	1	18	110
MAR											
09...	1540	--	--	--	--	--	--	--	--	28	--
APR											
13...	1050	--	--	--	--	--	--	--	--	31	--
MAY											
06...	1230	10	<1	<4	<1	<1.0	<1.0	1	1	25	135
JUN											
01...	1330	--	--	--	--	--	--	--	--	26	--
30...	0920	--	--	--	--	--	--	--	--	17	--
AUG											
05...	0700	10	1	<4	<1	<1.0	<1.0	2	2	13	88
SEP											
08...	1130	--	--	--	--	--	--	--	--	13	--
17...	1620	--	--	--	--	--	--	--	--	29	--

DATE	LEAD, DISSOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV 1998											
02...	--	--	6	--	--	--	--	--	--	--	--
DEC											
02...	<1	<1	E2	<10	<.1	<.1	1	1	<1	<20	10
JAN 1999											
06...	--	--	11	--	--	--	--	--	--	--	--
FEB											
08...	<1	<1	16	30	<.1	<.1	1	1	<1	23	30
MAR											
09...	--	--	16	--	--	--	--	--	--	--	--
APR											
13...	--	--	11	--	--	--	--	--	--	--	--
MAY											
06...	<1	<1	8	46	<.1	<.1	<1	<1	<1	<20	<40
JUN											
01...	--	--	6	--	--	--	--	--	--	--	--
30...	--	--	7	--	--	--	--	--	--	--	--
AUG											
05...	<1	<1	10	57	<.1	<.1	<1	<1	<1	E9	<40
SEP											
08...	--	--	8	--	--	--	--	--	--	--	--
17...	--	--	4	--	--	--	--	--	--	--	--

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES. Selected samples were analyzed for volatile organic compounds (VOCs) on schedule 2020 (listed with minimum reporting levels in "Explanation of Records" section). Only VOCs identified by the analyses in one or more samples are listed in the water-quality tables.

DATE	TIME	CARBON DISULFIDE WATER WHOLE TOTAL (UG/L) (77041)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	1,2,3-TRICHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRIMETHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4-TRICHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 124-TRIMETHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRIMETHYL WATER UNFLTRD REC (UG/L) (77226)
DEC 1998											
02...	1020	--	<.1	<.1	<.1	--	--	--	--	--	--
JAN 1999											
06...	1245	<.37	E.0091	<.066	<.044	35.8	<.27	<.12	<.19	E.0098	<.044
FEB											
08...	1045	<.37	<.032	<.066	<.044	17.0	<.27	<.12	<.19	<.056	<.044
APR											
13...	1050	<.37	<.032	<.066	<.044	E5.72	<.27	<.12	<.19	<.056	<.044
MAY											
06...	1230	<.37	<.032	<.066	<.044	9.37	<.27	E.0120	<.19	E.0417	<.044

JUN											
01...	1330	<.37	<.032	<.066	<.044	11.8	<.27	E.0344	<.19	E.0767	E.0377
30...	0920	<.37	<.032	<.066	<.044	22.3	<.27	<.12	<.19	<.056	<.044
AUG											
05...	0700	<.37	<.032	<.066	<.044	23.7	<.27	<.12	<.19	<.056	E.00805
SEP											
08...	1130	<.37	<.032	<.066	<.044	29.4	<.27	<.12	<.19	<.056	<.044
17...	1620	<.07	<.032	<.066	<.04	E4.38	<.27	<.12	<.19	<.056	<.044

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

DATE	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE TOTAL (UG/L) (34030)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)
DEC 1998											
02...	<.1	<.1	--	--	--	<.1	<.1	<.2	<.1	<.2	<.1
JAN 1999											
06...	<.054	<.05	<.032	<.19	<.042	<.048	E.032	<.1	<.028	<.18	E.046
FEB											
08...	<.054	<.05	<.032	<.19	<.042	<.048	E.0149	<.1	<.028	<.18	E.0315
APR											
13...	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	E.0277
MAY											
06...	<.054	<.05	<.032	<.19	<.042	<.048	E.0151	<.1	<.028	<.18	E.0363
JUN											
01...	<.054	<.05	E.00998	<.19	E.0162	<.048	E.0588	<.1	<.028	<.18	E.0357
30...	<.054	<.05	<.032	<.19	<.042	<.048	E.0189	E.0558	<.028	<.18	E.0313
AUG											
05...	<.054	<.05	E.00475	<.19	<.042	<.048	E.0160	<.1	<.028	<.18	E.0235
SEP											
08...	<.054	<.05	<.032	<.19	<.042	<.048	<.1	E.0928	<.028	<.18	E.0212
17...	<.054	<.05	<.032	<.19	<.042	<.048	E.0569	<.06	<.028	<.18	E.0219

DATE	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FURAN, TETRA-HYDRO-WATER UNFLTRD RECOVER (UG/L) (81607)	ISO-DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (UG/L) (81595)
DEC 1998											
02...	<.1	<.1	<.2	<.2	<.1	--	--	.3	--	<.2	--
JAN 1999											
06...	E.016	<.048	<.17	<.11	<.03	<9	<.2	<.17	<.25	<.38	<1.6
FEB											
08...	E.0136	<.048	<.17	<.11	<.03	<9	<.2	E.114	<.25	<.38	<1.6
APR											
13...	E.0119	<.048	<.17	<.11	<.03	<9	<.2	E.0728	<.25	<.38	<1.6
MAY											
06...	E.0133	<.048	<.17	E.0144	E.0131	<9	<.2	.414	<.25	<.38	<1.6
JUN											
01...	<.038	<.048	<.17	.182	E.0169	<9	E.0180	3.46	<.25	<.38	<1.6
30...	E.0106	<.048	<.17	<.11	<.03	<9	<.2	1.26	<.25	<.38	<1.6
AUG											
05...	<.038	<.048	<.17	<.11	<.03	<9	<.2	.664	<.25	<.38	<1.6
SEP											
08...	<.038	<.048	<.17	<.11	<.03	<9	<.2	.578	<.25	<.38	<1.6
17...	E.0199	<.048	<.17	<.11	<.03	<2.2	<.2	.175	<.5	<.38	<1.6

DATE	METHYL ISO-BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	PREH-NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE TOTAL (UG/L) (34010)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)
DEC 1998											
02...	--	<.2	--	<.1	--	--	<.1	<.1	--	<.1	<.1
JAN 1999											
06...	<.37	E.017	<.042	<.06	<.11	<.23	<.042	E.013	<.1	<.05	E.036
FEB											
08...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	E.00885	<.1	<.05	E.0273
APR											
13...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	E.00752	<.1	<.05	E.0231
MAY											
06...	<.37	E.0616	<.042	E.0284	<.11	<.23	<.042	E.00966	<.1	.116	E.0279
JUN											
01...	<.37	E.161	<.042	E.0869	<.11	<.23	<.042	<.1	E.0234	.100	<.038
30...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	E.00575	<.1	<.05	E.0186
AUG											
05...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	E.0525	E.0162
SEP											
08...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	<.05	<.038
17...	<.37	<.06	<.042	<.038	<.07	<.23	<.042	E.0118	<.06	<.05	E.0330

WATER-COLUMN, TOTAL-PESTICIDE ANALYSES

DATE	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
DEC 1998									
02...	<.040	<.030	<.1	<1	<.1	<.1	<.1	<.1	<.1
FEB 1999									
08...	<.040	<.030	<.1	<1	<.1	<.1	<.1	<.1	<.1
MAY									
06...	<.040	<.030	<.1	<1	<.1	<.1	<.1	<.1	<.1
AUG									
05...	<.040	<.030	<.1	<1	<.1	<.1	<.1	<.1	<.1

DATE	BETA BENZENE HEXA-CHLOR-IDE TOTAL (UG/L) (39338)	CHLOR-DANE CIS WATER WHOLE TOTAL (UG/L) (39062)	CHLOR-DANE, TECH-NICAL TOTAL (UG/L) (39350)	CHLOR-DANE TRANS WATER WHOLE TOTAL (UG/L) (39065)	DELTA BENZENE HEXA-CHLOR-IDE TOTAL (UG/L) (34259)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN-I WATER WHOLE REC (UG/L) (34361)	ENDO-SULFAN II TOTAL (UG/L) (34356)	ENDO-SULFAN SULFATE TOTAL (UG/L) (34351)
DEC 1998									
02...	<.030	<.1	<.1	<.1	<.090	<.020	<.1	<.040	<.6
FEB 1999									
08...	<.030	<.1	<.1	<.1	<.090	<.020	<.1	<.040	<.6
MAY									
06...	<.030	<.1	<.1	<.1	<.090	<.020	<.1	<.040	<.6
AUG									
05...	<.030	<.1	<.1	<.1	<.090	<.020	<.1	<.040	<.6

DATE	ENDRIN ALDE-HYDE TOTAL (UG/L) (34366)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	TOX-APHENE, TOTAL (UG/L) (39400)
DEC 1998									
02...	<.2	<.060	<.8	<.030	<.030	<.1	<.040	<.1	<2
FEB 1999									
08...	<.2	<.060	<.8	<.030	<.030	<.1	<.040	<.1	<2
MAY									
06...	<.2	<.060	<.8	<.030	<.030	<.1	<.040	<.1	<2
AUG									
05...	<.2	<.060	<.8	<.030	<.030	<.1	<.040	<.1	<2

WATER-COLUMN, FILTERED-PESTICIDE, ANALYSES. Selected samples were analyzed for pesticides on schedule 2001 (listed with minimum reporting levels in “Explanation of Records” section). Only pesticides identified by the analyses in one or more samples are listed in the water-quality tables.

DATE	TIME	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
DEC 1998										
02...	1020	--	--	--	--	--	--	--	--	--
JAN 1999										
06...	1245	<.002	<.002	.0364	<.002	E.0156	<.003	<.004	.0061	<.002
FEB										
08...	1045	<.002	<.002	.0114	<.002	<.003	<.003	<.004	<.004	<.002
MAR										
09...	1540	<.002	<.002	.0104	<.002	<.003	<.003	<.004	<.004	<.002
APR										
13...	1050	<.002	<.002	.0158	<.002	<.003	<.003	<.004	<.004	<.002
MAY										
06...	1230	<.002	<.002	.0197	<.002	<.003	<.003	<.004	<.004	<.002
JUN										
01...	1330	<.002	<.002	.0264	<.002	<.003	<.003	<.004	<.004	<.002
30...	0920	<.002	<.002	.0301	<.002	<.003	<.003	<.004	<.004	<.002
AUG										
05...	0700	<.002	<.002	.0232	<.002	<.003	<.003	<.004	<.004	<.002
SEP										
08...	1130	<.002	<.002	.0269	<.002	<.003	<.05	<.004	<.004	<.002
17...	1620	<.002	<.002	.0314	<.002	E.0553	<.003	<.004	<.02	<.002

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

DATE	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LINDANE DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)
DEC 1998										
02...	--	--	--	--	--	--	--	--	--	--
JAN 1999										
06...	E.0254	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0256	<.004
FEB										
08...	E.0073	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0085	<.004
MAR										
09...	E.0075	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0074	<.004
APR										
13...	E.0103	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0100	<.004
MAY										
06...	E.0227	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0086	<.004
JUN										
01...	E.0178	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0114	<.004
30...	E.0362	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0087	<.004
AUG										
05...	E.0233	<.002	<.001	<.002	<.004	<.002	<.005	<.001	E.0028	<.004
SEP										
08...	E.0264	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0090	<.004
17...	E.0180	.0339	<.001	<.002	<.004	<.002	<.005	<.001	.0779	<.004

DATE	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DEC 1998										
02...	--	--	--	--	--	--	--	--	--	--
JAN 1999										
06...	<.003	<.006	<.004	E.0057	<.003	<.004	.0250	<.010	<.007	<.002
FEB										
08...	<.003	<.006	<.004	<.018	<.003	<.004	<.005	<.010	<.007	<.002
MAR										
09...	<.003	<.006	<.004	<.018	<.003	<.004	.0051	<.010	<.007	<.002
APR										
13...	<.003	<.006	<.004	<.018	<.003	<.004	.0107	<.010	<.007	<.002
MAY										
06...	<.003	<.006	<.004	<.018	<.003	<.004	.0093	<.010	<.007	<.002
JUN										
01...	<.003	<.006	<.004	E.0034	<.003	<.004	.0083	<.010	<.007	<.002
30...	<.003	<.006	<.004	E.0105	<.003	<.004	<.005	<.010	<.007	<.002
AUG										
05...	<.003	<.006	<.004	E.0044	<.003	<.004	.0057	<.010	<.007	<.002
SEP										
08...	<.003	<.006	<.004	E.0133	<.003	<.004	<.02	<.010	<.007	<.002
17...	<.003	<.006	<.004	E.0108	<.003	<.004	.0160	<.010	<.007	<.002

ANALYSIS OF TRACE ELEMENTS, ORGANOCHLORINE, AND SEMI-VOLATILE ORGANIC COMPOUNDS IN STREAMBED SEDIMENTS, CALENDAR YEAR 1998

DATE	TIME	CALCIUM FIELD PERCENT (34830)	MAGNESIUM FIELD PERCENT (34900)	POTASSIUM FIELD PERCENT (34940)	SODIUM FIELD PERCENT (34960)	SULFUR FIELD PERCENT (34970)	PHOSPHORUS FIELD PERCENT (34935)	CARBON, INORG, SED, BM (PERCENT) (49269)	CARBON, ORG + INORG, DW, REC (PERCENT) (49267)	ALUMINUM FIELD PERCENT (34790)	ANTIMONY FIELD (UG/G) (34795)	ARSENIC BOT MAT WS <63U (UG/G) (34800)
JUL 1998												
20...	1200	.55	.76	1.8	.56	.14	.17	.08	5.54	6.0	1.4	13

DATE	TIME	BARIUM BOT MAT WS <63U FIELD (UG/G) (34800)	BERYLLIUM BOT MAT WS <63U FIELD (UG/G) (34800)	BISMUTH BOT MAT WS <63U FIELD (UG/G) (34800)	CADMIUM BOT MAT WS <63U FIELD (UG/G) (34800)	CERIUM BOT MAT WS <63U FIELD (UG/G) (34800)	CHROMIUM BOT MAT WS <63U FIELD (UG/G) (34800)	COBALT BOT MAT WS <63U FIELD (UG/G) (34800)	COPPER BOT MAT WS <63U FIELD (UG/G) (34800)	EUROPIUM BOT MAT WS <63U FIELD (UG/G) (34800)	GALLIUM BOT MAT WS <63U FIELD (UG/G) (34800)	GOLD BOT MAT WS <63U FIELD (UG/G) (34800)	HOLMIUM BOT MAT WS <63U FIELD (UG/G) (34800)
JUL 1998													
20...	1200	13											

DATE	BOT MAT <63U WS FIELD (UG/G) (34805)	BOT MAT <63U WS FIELD (UG/G) (34810)	BOT MAT <180UWS FIELD (UG/G) (34816)	BOT MAT <63U WS FIELD (UG/G) (34825)	BOT MAT <63U WS FIELD (UG/G) (34835)	BOT MAT <63U WS FIELD (UG/G) (34840)	BOT MAT <63U WS FIELD (UG/G) (34845)	BOT MAT <63U WS FIELD (UG/G) (34850)	BOT MAT <63U WS FIELD (UG/G) (34855)	BOT MAT <63U WS FIELD (UG/G) (34860)	BOT MAT <63U WS FIELD (UG/G) (34870)	BOT MAT <63U WS FIELD (UG/G) (34875)
JUL 1998 20...	500	4	<1	4.4	88	84	25	61	2	19	<1	2

DATE	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHANUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MANGANESE BOT MAT <63U WS FIELD (UG/G) (34905)	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYBDENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYMIUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	SCANDIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELENIUM BOT MAT <63U WS FIELD (UG/G) (34950)
JUL 1998 20...	5.3	48	110	52	1800	.23	2	45	47	14	11	1.4

DATE	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	STRONTIUM BOT MAT <63U WS FIELD (UG/G) (34965)	TANTALUM BOT MAT <63U WS FIELD (UG/G) (34975)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	TITANIUM, SED, BM WS,<63U DRY WGT REC PERCENT (49274)	VANADIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTERBIUM BOT MAT <63U WS FIELD (UG/G) (35015)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CARBON, ORGANIC SED, BM WS,<63U DW, REC (PER-CENT) (49266)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)
JUL 1998 20...	1.2	70	1	9	.429	100	3	28	910	5.46	12	4.7

DATE	CARBON, INORG, SED, BM WS,<2MM DW, REC (G/KG) (49270)	CARBON, ORG + INORG SED, BM WS,<2MM DW, REC (G/KG) (49272)	CARBON, ORGANIC SED, BM WS,<2MM DW, REC (G/KG) (49271)	2,2'-BIQUINOLINE, SED, BM WS,<2MM DW, REC (UG/KG) (49391)	3,5-XYLENOL SED, BM WS,<2MM DW, REC (UG/KG) (49421)	4-BROMOPHNPHNL ETHER SED, BM WS,<2MM DW, REC (UG/KG) (49454)	4CHLOROPHNPHNLETHER SED, BM WS,<2MM DW, REC (UG/KG) (49455)	4HCYPENPHENANTHRENE SED, BM WS,<2MM DW, REC (UG/KG) (49411)	9,10-ANTHRAQUINONE SED, BM WS,<2MM DW, REC (UG/KG) (49437)
JUL 1998 20...	<.100	54.0	54.0	<50	<50	<50	<50	130	150

DATE	9H-FLUORENE,1METHYL SED, BM WS,<2MM DW, REC (UG/KG) (49398)	9H-FLUORENE SED, BM WS,<2MM DW, REC (UG/KG) (49399)	ACENAPHTHENE SED, BM WS,<2MM DW, REC (UG/KG) (49429)	ACENAPHTHYLENE SED, BM WS,<2MM DW, REC (UG/KG) (49428)	ACRIDINE SED, BM WS,<2MM DW, REC (UG/KG) (49430)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	ALPHA-BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	ANTHRACENE,2-METHYL- SED, BM WS,<2MM DW, REC (UG/KG) (49435)	ANTHRACENE SED, BM WS,<2MM DW, REC (UG/KG) (49434)	AZOBENZENE SED, BM WS,<2MM DW, REC (UG/KG) (49443)
JUL 1998 20...	<50	91	<50	120	E11	<1.00	<1.00	92	340	<50

DATE	BENZ(A)ANTHRACENE SED, BM WS,<2MM DW, REC (UG/KG) (49436)	BENZENE 124TRICHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49438)	BENZENE HEXACHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	BENZENE M-DICHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49441)	BENZENE NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49444)	BENZENE O-DICHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49439)	BENZENE P-DICHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49442)	BENZENE PNTCHLR NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49446)	BENZO (A) PYRENE SED, BM WS,<2MM DW, REC (UG/KG) (49389)	BENZOBFLUORANTHENE SED, BM WS,<2MM DW, REC (UG/KG) (49458)
JUL 1998 20...	720	<50	3.90	<50	<50	<50	<50	<50	680	780

DATE	BENZO(GHI)PERYLENE SED, BM WS,<2MM DW, REC (UG/KG) (49408)	BENZO K FLUORANTHENE SED, BM WS,<2MM DW, REC (UG/KG) (49397)	BENZOCINNOLINE BED MAT WS <2MM DRY WGT REC (UG/KG) (49468)	BETA-BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	CARBAZOLE SED, BM WS,<2MM DW, REC (UG/KG) (49449)	CHLORONEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	CHRYSENE SED, BM WS,<2MM DW, REC (UG/KG) (49450)	CIS-CHLORDANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	CIS-NONACHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)

JUL 1998 20...	E210	740	<50	<1.00	84	<5.00	740	<1.00	<1.00	

DATE	CIS-PERMETHRIN DW, REC (UG/KG) (49349)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	DIBENZ(AH),ANTHRACEN SED, BM WS,<2MM DW, REC (UG/KG) (49461)	DIELDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	DIPHNYLAMINE,N NITROSO SED, BM WS,<2MM DW, REC (UG/KG) (49433)	DPROPYLAMINE,N NITROSO SED, BM WS,<2MM DW, REC (UG/KG) (49431)	ENDOSULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	FLUORANTHENE SED, BM WS,<2MM DW, REC (UG/KG) (49335)	HEPTACHLOR BED MAT DRY WGT REC (UG/KG) (49466)	HEPTACHLOR EPOXIDE WS <2MM SED, BM WS,<2MM DW, REC (UG/KG) (49342)	
JUL 1998 20...	<5.00	<5.00	E88	<1.00	<50	<50	<1.00	<2.00	1400	<1.00	<1.00

DATE	INDENO 123-CD PYRENE SED, BM WS,<2MM DW, REC (UG/KG) (49390)	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	ISOPHOR ONE SED, BM WS,<2MM DW, REC (UG/KG) (49400)	ISO-QUINO-LINE, SED, BM WS,<2MM DW, REC (UG/KG) (49394)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	M-CRE-SOL, 4-CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49422)	METHANE 2CHLORO ETHOXY SED, BM WS,<2MM DW, REC (UG/KG) (49401)	METHOXY CHLOR, O,P'- SED, BM WS,<2MM DW, REC (UG/KG) (49347)	METHOXY CHLOR P,P'- SED, BM WS,<2MM DW, REC (UG/KG) (49346)	NAPTHAL ENE, 12 MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)
JUL 1998 20...	E280	<1.00	<50	<50	<1.00	<50	<50	<5.00	<5.00	<1.00	<50

DATE	NAPTHAL ENE, 16 DIMETHL SED, BM WS,<2MM DW, REC (UG/KG) (49404)	NAPTHAL ENE,236 TRIMETH SED, BM WS,<2MM DW, REC (UG/KG) (49405)	NAPTHAL ENE, 26 DIMETHL SED, BM WS,<2MM DW, REC (UG/KG) (49406)	NAPTHAL ENE, 2-CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49407)	NAPTHAL ENE, 2-ETHYL- SED BM WS <2MM DW REC (UG/KG) (49948)	NAPHTH-ALENE, SED, BM WS,<2MM DW, REC (UG/KG) (49402)	O, P'-DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	O, P'-DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)	O, P'-DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	OXY-CHLOR-DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)
JUL 1998 20...	<50	<50	55	<50	<50.0	91	<1.00	<1.00	<2.00	<1.00

DATE	P, P'-DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	P, P'-DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	P, P'-DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	P-CRESOL SED, BM WS,<2MM DW, REC (UG/KG) (49451)	PENTA-CHLORO-ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	PHENAN THRENE 1METHYL SED, BM WS,<2MM DW, REC (UG/KG) (49410)	PHENAN-THRI-DINE SED, BM WS,<2MM DW, REC (UG/KG) (49409)	PHENOL C8-ALKYL- SED, BM WS,<2MM DW, REC (UG/KG) (49393)	PHENOL, 2CHLORO BED MAT <2MM WGT DRY REC (UG/KG) (49467)
JUL 1998 20...	<1.00	6.00	2.30	<50	380	<1.0	83	900	<50	<50	<50

DATE	PHENOL SED, BM WS,<2MM DW, REC (UG/KG) (49413)	PHTHALATE,BIS2 ETHHEXL SED, BM WS,<2MM DW, REC (UG/KG) (49426)	PHTHALATE TEBUTYL BENZYL- SED, BM WS,<2MM DW, REC (UG/KG) (49427)	PHTHAL-ATE, DIBUTYL SED, BM WS,<2MM DW, REC (UG/KG) (49381)	PHTHAL-ATE, D IETHYL SED, BM WS,<2MM DW, REC (UG/KG) (49383)	PHTHAL-ATE,DI-METHYL SED, BM WS,<2MM DW, REC (UG/KG) (49384)	PHTHAL ATE, D IOCTYL SED, BM WS,<2MM DW, REC (UG/KG) (49382)	PYRENE, 1-METHYL, SED, BM WS,<2MM DW, REC (UG/KG) (49388)	PYRENE, SED, BM WS,<2MM DW, REC (UG/KG) (49387)	QUINO-LINE, SED, BM WS,<2MM DW, REC (UG/KG) (49392)
JUL 1998 20...	66	390	<50	58	<50	<50	<50	60	1200	<50

DATE	THIOPH ENE,DI-BENZO- SED, BM WS,<2MM DW, REC (UG/KG) (49452)	TOLUENE 2,4-DI-NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49395)	TOLUENE 2,6-DI-NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49396)	TOXA-PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	TRANS-CHLOR-DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	TRANS-NONA-CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	TRANS-PER-METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)
JUL 1998 20...	E38	<50	<50	<200	<1.00	1.10	<5.00	40

ANALYSIS OF TRACE ELEMENTS AND ORGANOCHLORINE COMPOUNDS IN FISH TISSUE, CALENDAR YEAR 1998

	TIME	SPECIES	TOTAL LENGTH, MEDIAN (MM)	TOTAL LENGTH, MIN MAX (MM)	WEIGHT, MEDIAN (GM)	WEIGHT, MIN MAX (GM)	NUMBER IN COMPOSITE
JUL 1998							
29...	0900	WHITE SUCKER	352	304 485	477	351 1039	8
29...	1000	COMMON CARP	580	462 670	2525	1332 4200	8

	ALUMI-	ANTI-	BERYL-	CHROM-

	WATER, PRESENT BIO TIS DRY WGT REC PERCENT (49273)	NUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49237)	MONY, BIOTA, TISSUE, DRY WGT REC (UG/G) (49246)	ARSENIC BIOTA, TISSUE, DRY WGT REC (UG/G) (49247)	BARIUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49238)	LIUM-, BIOTA, TISSUE, DRY WGT REC (UG/G) (49248)	BORON, BIOTA, TISSUE, DRY WGT REC (UG/G) (49239)	CADMIUM BIOTA, TISSUE, DRY WGT REC (UG/G) (49249)	IUM-, BIOTA, TISSUE, DRY WGT REC (UG/G) (49240)	COBALT, BIOTA TISSUE, DRY WGT REC (UG/G) (49250)
DATE										
JUL 1998										
29...	66	2.4	<.3	<.3	<.1	<.3	.9	3.2	<.5	.3
29...	72	9.9	<.2	1.0	<.1	<.2	.3	16	<.5	.3

DATE	IRON, BIOTA, TISSUE, DRY WGT REC (UG/G) (49242)	LEAD, BIOTA, TISSUE, DRY WGT REC (UG/G) (49251)	MANGANESE, BIOTA, TISSUE, DRY WGT REC (UG/G) (49243)	MERCURY, BIOTA, TISSUE, DRY WGT REC (UG/G) (49258)	MOLYBDENUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49252)	NICKEL, BIOTA, TISSUE, DRY WGT REC (UG/G) (49253)	SELENIUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49254)	SILVER, BIOTA, TISSUE, DRY WGT REC (UG/G) (49255)	STRONTIUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49244)	VANADIUM BIO TIS DRY WGT REC (UG/G) (49465)	ZINC, BIOTA, TISSUE, DRY WGT REC (UG/G) (49245)	URANIUM BIOTA, TISSUE, DRY WGT REC (UG/G) (49257)
JUL 1998												
29...	470	<.3	3.5	.07	.5	.4	2.0	<.3	.1	<.3	64	<.3
29...	580	.3	3.1	.2	.8	<.2	4.3	1.0	.3	.5	1000	<.2

DATE	TIME	SPECIES	TOTAL LENGTH, MEDIAN (MM)	TOTAL LENGTH, MIN MAX (MM)	WEIGHT, MEDIAN (GM)	WEIGHT, MIN MAX (GM)	NUMBER IN COMPOSITE
JUL 1998							
29...	0905	WHITE SUCKER	318	265 487	394	220 1311	8
29...	1005	COMMON CARP	583	551 681	2812	2208 5000	8

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	ALDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49353)	ALPHA-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49366)	BENZENE HEXACHLORO- BIOTA, WH ORG WW, REC (UG/KG) (49367)	BETA-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49365)	CIS-CHLORDANE, BIOTA, WH ORG WW, REC (UG/KG) (49380)	CIS-NONACHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49359)	DCPA, BIOTA, WH ORG WW REC (UG/KG) (49378)
JUL 1998									
29...	80020	1028	<5.00	<5.00	<5.00	<5.00	13.0	<5.00	<5.00
29...	80020	1028	<5.00	<5.00	<5.00	<5.00	19.0	5.90	<5.00

DATE	DELTA-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49364)	DIELDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49371)	ENDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49370)	HEPTACHLOR EPOXIDE BIOTA, WH ORG WW, REC (UG/KG) (49368)	HEPTACHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49369)	LINDANE BIOTA, WH ORG WW, REC (UG/KG) (49363)	LIPIDS, BIOTA, WH ORG WW, REC PERCENT (49289)	METHOXYCHLOR, O,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49362)	METHOXYCHLOR, P,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49361)	MIREX, BIOTA, WH ORG WW, REC (UG/KG) (49360)	O,P'-DDD, BIOTA, WH ORG WW, REC (UG/KG) (49374)	O,P'-DDE, BIOTA, WH ORG WW, REC (UG/KG) (49373)
JUL 1998												
29...	<5.00	8.10	<5.00	<5.00	<5.00	<5.00	13.0	<5.00	<5.00	<5.00	<5.00	<5.00
29...	<120	8.60	<5.00	<5.00	<5.00	<5.00	8.50	<5.00	<5.00	<5.00	9.70	21.0

DATE	O,P'-DDT, BIOTA, WH ORG WW, REC (UG/KG) (49377)	OXYCHLORDANE, BIOTA, WH ORG WW, REC (UG/KG) (49357)	P,P'-DDD, BIOTA, WH ORG WW, REC (UG/KG) (49375)	P,P'-DDE, BIOTA, WH ORG WW, REC (UG/KG) (49372)	P,P'-DDT, BIOTA, WH ORG WW, REC (UG/KG) (49376)	PCB, BIOTA, WH ORG WW, REC (UG/KG) (49354)	PENTACHLOROANISOLE BIOTA, WH ORG WW, REC (UG/KG) (49356)	TOXAPHENE, BIOTA, WH ORG WW, REC (UG/KG) (49355)	TRANS-CHLORDANE, BIOTA, WH ORG WW, REC (UG/KG) (49379)	TRANS-NONACHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49358)
JUL 1998										
29...	<7.00	<5.00	E19.0	90.0	E19.0	260	<5.00	<200	<5.00	20.0
29...	39.0	16.0	58.0	810	12.0	1100	<5.00	<200	6.00	37.0

DATE	TIME	SPECIES	TOTAL LENGTH, MEDIAN (MM)	TOTAL LENGTH, MIN MAX (MM)	WEIGHT, MEDIAN (GM)	WEIGHT, MIN MAX (GM)	NUMBER IN COMPOSITE
JUL 1998							
29...	1100	SMALLMOUTH BASS	400	292 446	795	310 1209	5

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	ALDRIN, BIOTA, FILLET WW, REC (UG/KG) (49353)	ALPHA-BHC, BIOTA, FILLET WW, REC (UG/KG) (49366)	BENZENE HEXACHLORO- BIOTA, FILLET WW, REC (UG/KG) (49367)	BETA-BHC, BIOTA, FILLET WW, REC (UG/KG) (49365)	CIS-CHLORDANE, BIOTA, FILLET WW, REC (UG/KG) (49380)	CIS-NONACHLOR, BIOTA, FILLET WW, REC (UG/KG) (49359)	DCPA, BIOTA, FILLET WW REC (UG/KG) (49378)
JUL 1998 29...	80020	1028	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

DATE	DELTA-BHC, BIOTA, FILLET WW, REC (UG/KG) (49364)	DIELDRIN, BIOTA, FILLET WW, REC (UG/KG) (49371)	ENDRIN, BIOTA, FILLET WW, REC (UG/KG) (49370)	HEPTACHLOR EPOXIDE BIOTA, FILLET WW, REC (UG/KG) (49368)	HEPTACHLOR, BIOTA, FILLET WW, REC (UG/KG) (49369)	LINDANE BIOTA, FILLET WW, REC (UG/KG) (49363)	LIPIDS, BIOTA, FILLET WW, REC PERCENT (49289)	METHOXYCHLOR, O,P'-, BIOTA, FILLET WW, REC (UG/KG) (49362)	METHOXYCHLOR, P,P'-, BIOTA, FILLET WW, REC (UG/KG) (49361)	MIREX, BIOTA, FILLET WW, REC (UG/KG) (49360)	O,P'-DDD, BIOTA, FILLET WW, REC (UG/KG) (49374)	O,P'-DDE, BIOTA, FILLET WW, REC (UG/KG) (49373)
JUL 1998 29...	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.00	<5.00	<5.00	<5.00	<5.00	<5.00

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

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

DATE	O,P'-DDT, BIOTA, FILLET WW, REC (UG/KG) (49377)	OXY-CHLORDANE, BIOTA, FILLET WW, REC (UG/KG) (49357)	P,P'-DDD, BIOTA, FILLET WW, REC (UG/KG) (49375)	P,P'-DDE, BIOTA, FILLET WW, REC (UG/KG) (49372)	P,P'-DDT, BIOTA, FILLET WW, REC (UG/KG) (49376)	PCB, BIOTA, FILLET WW, REC (UG/KG) (49354)	PENTACHLOROANISOLE BIOTA, FILLET WW, REC (UG/KG) (49356)	TOXAPHENE, BIOTA, FILLET WW, REC (UG/KG) (49355)	TRANS-CHLORDANE, BIOTA, FILLET WW, REC (UG/KG) (49379)	TRANS-NONACHLOR, BIOTA, FILLET WW, REC (UG/KG) (49358)
JUL 1998										
29...	<5.00	<5.00	22.0	89.0	6.90	370	<5.00	<200	<5.00	9.10

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	14.6	11.7	13.2	14.5	12.1	13.4	15.9	14.6	15.2
2	11.4	9.6	10.4	14.7	11.8	13.2	15.4	12.1	13.6	16.3	15.1	15.6
3	11.5	10.2	10.8	14.4	11.7	13.1	15.6	12.3	13.7	15.6	13.8	14.7
4	10.9	10.3	10.6	14.4	11.9	13.2	15.2	12.0	13.5	14.4	13.8	14.1
5	12.2	10.3	11.2	14.9	12.1	13.6	13.6	11.3	12.3	15.1	14.4	14.7
6	12.4	10.5	11.4	14.9	12.6	13.7	13.9	10.3	12.1	15.4	14.6	15.0
7	12.1	10.7	11.4	15.3	12.8	13.9	13.6	10.7	12.2	15.9	15.0	15.4
8	11.4	10.2	10.8	14.5	12.6	13.6	11.6	10.0	10.6	15.6	15.1	15.3
9	10.2	9.6	10.0	15.2	12.4	13.8	13.0	9.7	11.3	15.3	14.9	15.0
10	9.9	9.5	9.7	14.0	12.6	13.3	14.3	11.3	12.7	15.0	14.6	14.8
11	10.3	9.7	9.9	14.5	12.1	13.2	14.4	11.8	13.0	15.1	14.6	14.8
12	10.4	9.9	10.1	15.5	12.4	13.8	14.8	12.1	13.4	15.4	15.0	15.1
13	10.7	9.9	10.3	15.1	12.6	13.8	13.6	12.3	12.9	15.3	14.8	15.0
14	11.2	10.0	10.5	15.4	12.6	14.1	15.1	12.1	13.6	14.8	14.6	14.7
15	11.4	10.0	10.6	15.2	12.8	14.0	---	---	---	15.1	14.7	14.9
16	11.9	10.4	11.1	15.9	12.5	13.6	15.6	13.2	14.4	15.2	14.9	15.0
17	12.1	10.5	11.3	13.9	11.9	12.8	15.1	13.3	14.1	15.2	14.7	14.9
18	12.1	10.5	11.3	15.0	12.1	13.5	15.7	13.0	14.3	14.8	13.8	14.2
19	12.0	10.3	11.2	15.6	12.9	14.2	16.5	13.7	15.0	14.2	13.8	14.0
20	12.2	10.4	11.3	14.9	13.0	13.9	16.4	13.9	15.0	14.3	14.1	14.2
21	12.3	10.7	11.5	14.8	12.3	13.6	16.3	13.4	14.7	14.6	14.0	14.2
22	12.9	11.2	12.0	15.5	12.8	14.1	14.5	12.6	13.7	14.2	14.2	14.2
23	13.4	11.7	12.5	15.5	13.2	14.3	15.4	13.1	14.2	14.3	14.1	14.2
24	13.6	11.8	12.7	15.5	13.1	14.3	16.0	13.9	14.9	14.1	13.6	13.9
25	13.6	11.6	12.7	15.7	13.0	14.4	16.2	14.3	15.3	14.3	13.6	13.9
26	14.0	11.6	12.8	14.3	12.8	13.5	16.1	14.2	15.2	---	---	---
27	14.1	11.7	12.9	15.3	12.2	13.4	16.3	14.4	15.3	14.3	14.2	14.3
28	13.8	11.6	12.7	15.1	12.1	13.7	15.8	14.6	15.2	14.3	14.2	14.3
29	13.5	11.2	12.3	15.7	12.4	14.0	14.9	13.9	14.4	14.2	14.1	14.1
30	14.0	11.2	12.6	15.1	12.6	13.8	15.3	13.5	14.4	14.4	14.1	14.3
31	14.3	11.5	12.9	---	---	---	15.8	14.1	14.9	14.8	14.4	14.7
MONTH	14.3	9.5	11.4	15.9	11.7	13.7	16.5	9.7	13.8	16.3	13.6	14.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	15.3	14.7	15.0	13.6	13.1	13.4	12.1	11.2	11.7	12.1	9.3	10.7
2	14.9	14.5	14.7	14.1	13.2	13.6	13.4	10.8	12.1	11.8	9.1	10.4
3	14.5	14.0	14.3	14.0	13.3	13.6	13.4	10.9	12.0	10.6	9.0	9.8
4	14.1	13.9	14.0	13.6	12.9	13.3	12.3	10.6	11.4	10.3	9.0	9.7
5	14.2	13.9	14.0	14.5	13.6	14.1	13.6	10.4	11.9	10.9	9.0	9.8
6	14.2	14.0	14.1	14.6	14.1	14.4	13.7	10.8	12.0	9.8	8.5	9.2
7	14.1	13.9	14.0	15.2	14.3	14.8	13.7	10.3	11.9	9.5	8.4	8.9
8	14.1	13.8	13.9	16.1	15.1	15.6	13.1	10.3	11.6	9.6	8.4	9.0
9	14.1	13.9	14.0	16.4	15.5	15.9	---	---	---	9.7	8.0	8.8
10	14.0	13.7	13.9	16.1	15.5	15.8	---	---	---	10.3	8.1	9.2
11	13.9	13.6	13.7	16.0	15.1	15.6	---	---	---	10.4	8.6	9.5
12	13.6	13.2	13.4	15.7	15.0	15.3	---	---	---	10.4	8.7	9.6
13	13.3	13.0	13.2	15.7	14.8	15.2	12.5	10.6	11.5	9.8	8.4	9.1
14	13.7	13.2	13.5	15.2	14.4	14.8	12.6	10.6	11.6	10.8	8.8	9.8
15	14.1	13.6	13.8	15.2	13.9	14.5	12.5	10.6	11.5	10.9	8.9	9.9
16	---	---	---	14.5	13.4	14.1	11.3	10.3	10.7	11.2	8.9	10.1
17	13.8	13.5	13.7	14.4	12.7	13.5	11.8	10.1	11.0	11.7	9.0	10.3
18	13.7	13.2	13.4	14.0	12.2	13.0	12.3	10.8	11.5	11.2	9.1	10.2
19	13.6	13.1	13.4	14.4	11.9	13.1	12.7	10.6	11.7	10.1	8.8	9.5
20	13.7	13.2	13.5	14.8	12.0	13.3	11.9	10.8	11.3	10.6	8.6	9.6
21	13.9	13.4	13.7	13.7	12.1	12.9	12.5	11.0	11.7	10.3	8.5	9.4
22	14.4	13.7	14.1	---	---	---	12.6	11.1	11.8	10.5	8.2	9.3
23	14.9	14.3	14.6	---	---	---	11.5	10.6	11.0	9.2	8.1	8.6

24	15.1	14.6	14.9	---	---	---	12.4	10.3	11.3	8.8	8.1	8.5
25	15.0	14.6	14.7	13.1	12.5	12.8	12.5	10.6	11.5	9.6	8.4	9.0
26	14.6	14.2	14.4	13.3	12.4	12.9	12.4	10.5	11.4	9.5	8.5	9.0
27	14.5	13.9	14.2	13.4	12.3	12.8	12.4	10.1	11.2	9.8	8.7	9.2
28	14.1	13.3	13.7	12.7	12.1	12.4	12.0	9.9	10.9	10.1	8.8	9.4
29	---	---	---	13.4	11.9	12.7	12.3	9.9	11.0	10.1	8.6	9.4
30	---	---	---	13.6	11.8	12.6	12.1	9.4	10.7	10.2	8.6	9.5
31	---	---	---	13.6	11.0	12.4	---	---	---	10.2	8.4	9.3
MONTH	15.3	13.0	14.0	16.4	11.0	13.9	13.7	9.4	11.5	12.1	8.0	9.5

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.4	8.1	9.3	9.7	6.9	8.1	---	---	---	11.8	8.3	9.8
2	10.4	7.8	9.2	10.4	7.0	8.5	---	---	---	11.8	8.4	10.0
3	10.3	7.6	9.1	10.6	6.9	8.7	9.9	6.7	8.2	11.6	8.2	9.8
4	10.8	8.0	9.5	10.6	7.0	8.8	9.8	6.9	8.3	10.4	8.0	9.1
5	10.9	8.2	9.5	11.4	6.6	8.8	9.9	7.0	8.3	9.7	7.5	8.4
6	11.1	7.9	9.5	11.6	6.7	9.0	10.1	7.2	8.6	10.6	7.2	8.7
7	11.2	8.2	9.7	11.9	6.5	9.1	10.3	7.2	8.6	9.8	7.0	8.2
8	10.8	7.8	9.4	11.3	6.4	9.0	8.7	7.0	7.8	10.4	6.9	8.5
9	10.7	7.6	9.2	10.4	6.3	8.4	10.3	6.9	8.6	9.6	6.8	8.1
10	10.9	7.3	9.2	9.3	6.4	7.6	10.4	7.6	8.9	9.6	6.9	7.9
11	10.8	7.9	9.5	10.6	6.4	8.5	10.5	7.6	9.0	10.7	7.2	8.8
12	10.1	7.9	9.1	10.0	7.3	8.6	10.8	7.6	9.1	11.1	7.3	9.1
13	10.2	7.8	8.9	11.1	7.2	9.1	10.5	7.5	8.9	11.0	7.4	9.0
14	10.6	7.8	9.1	10.6	7.5	9.0	8.4	7.0	7.4	11.2	7.5	9.2
15	11.9	7.6	9.7	11.1	7.8	9.3	9.0	6.9	7.8	9.5	7.7	8.5
16	11.7	7.6	9.7	11.0	7.5	9.2	9.6	7.5	8.4	8.7	7.5	8.0
17	9.8	7.6	8.8	11.0	7.3	9.0	9.6	7.2	8.2	---	---	---
18	11.0	7.5	9.2	---	---	---	9.9	7.3	8.5	---	---	---
19	10.9	7.8	9.5	---	---	---	9.7	7.3	8.5	---	---	---
20	10.5	7.9	9.2	---	---	---	8.7	7.3	8.0	---	---	---
21	10.5	8.1	9.2	---	---	---	9.4	7.4	8.3	---	---	---
22	11.3	8.2	9.8	---	---	---	10.3	8.0	9.2	9.5	9.1	9.3
23	11.3	7.8	9.5	---	---	---	11.1	8.3	9.6	9.9	9.4	9.6
24	11.5	7.6	9.5	---	---	---	10.9	8.1	9.4	9.9	9.4	9.6
25	11.4	7.5	9.4	---	---	---	11.0	8.1	9.5	9.8	9.2	9.5
26	11.8	7.5	9.6	---	---	---	9.7	7.8	8.6	10.0	9.2	9.5
27	11.2	7.3	9.2	---	---	---	9.1	7.6	8.2	10.0	9.2	9.6
28	10.8	6.7	8.7	---	---	---	10.9	7.6	9.0	10.0	9.1	9.4
29	10.7	6.6	8.5	---	---	---	10.7	7.5	9.0	9.9	8.8	9.2
30	10.6	6.3	8.3	---	---	---	11.1	7.7	9.3	9.8	8.6	9.1
31	---	---	---	---	---	---	11.9	8.4	10.0	---	---	---
MONTH	11.9	6.3	9.3	---	---	---	11.9	6.7	8.7	11.8	6.8	9.0

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	9.3	8.6	9.0	9.2	8.0	8.7	9.1	8.6	8.8
2	8.7	8.0	8.3	9.4	8.7	9.1	9.3	8.1	8.8	9.1	8.7	8.9
3	8.5	8.1	8.3	9.4	8.8	9.1	9.3	8.4	8.9	9.0	7.9	8.5
4	8.4	8.0	8.1	9.4	8.8	9.1	9.3	8.4	8.9	8.0	7.9	7.9
5	8.6	7.9	8.2	9.4	8.8	9.1	9.0	8.4	8.7	8.0	7.9	7.9
6	8.7	8.1	8.4	9.4	8.9	9.2	9.0	7.9	8.5	8.1	7.9	8.0
7	8.7	8.2	8.4	9.4	8.9	9.2	9.0	8.1	8.6	8.3	8.0	8.1
8	8.5	8.0	8.3	9.2	8.7	9.0	8.7	7.8	8.2	8.2	8.0	8.1
9	8.0	7.8	7.9	9.4	8.4	9.0	8.7	7.7	8.1	8.1	8.0	8.1
10	7.8	7.7	7.8	9.1	8.8	8.9	9.0	8.0	8.5	8.1	8.0	8.0
11	7.9	7.7	7.8	9.0	8.1	8.7	9.1	8.3	8.8	8.0	7.8	7.9
12	7.8	7.7	7.8	9.3	8.3	8.9	9.1	8.4	8.8	8.0	7.8	7.9
13	8.0	7.7	7.8	9.3	8.5	9.0	8.9	8.3	8.6	8.1	7.9	8.0
14	8.3	7.8	8.0	9.3	8.5	9.0	9.1	8.1	8.6	8.0	7.9	7.9
15	8.4	7.8	8.1	9.4	8.6	9.1	---	---	---	7.9	7.8	7.9
16	8.5	7.9	8.2	9.3	8.6	9.0	9.1	8.5	8.9	7.9	7.8	7.9
17	8.6	7.9	8.3	9.2	8.6	9.0	9.1	8.5	8.9	8.1	7.9	8.0
18	8.6	8.0	8.3	9.2	8.4	8.9	9.2	8.6	9.0	8.0	7.7	7.9
19	8.7	8.0	8.4	9.3	8.6	9.0	9.3	8.6	9.0	7.9	7.6	7.8
20	8.8	8.0	8.4	9.2	8.7	9.0	9.3	8.8	9.1	7.8	7.7	7.7
21	8.8	8.1	8.5	9.2	8.4	8.9	9.3	8.5	9.0	7.7	7.6	7.7
22	8.9	8.3	8.6	9.2	8.6	8.9	9.1	8.4	8.9	7.6	7.5	7.5
23	8.9	8.4	8.7	9.2	8.6	9.0	9.2	8.6	8.9	7.6	7.5	7.5
24	8.9	8.4	8.7	9.2	8.7	9.0	9.2	8.6	9.0	7.6	7.4	7.5
25	9.0	8.4	8.8	9.3	8.6	9.0	9.2	8.7	9.0	7.5	7.1	7.3
26	9.1	8.5	8.8	9.1	8.6	8.9	9.3	8.6	9.0	7.1	7.0	7.0
27	9.1	8.6	8.9	9.1	8.3	8.8	9.2	8.6	8.9	7.1	7.0	7.1
28	9.1	8.5	8.8	9.1	8.1	8.7	9.1	8.6	8.9	7.2	7.1	7.1
29	9.1	8.4	8.8	9.2	8.0	8.7	8.9	8.3	8.6	7.2	7.2	7.2
30	9.2	8.3	8.8	9.1	8.1	8.7	8.9	8.1	8.5	7.3	7.2	7.3
31	9.2	8.4	8.9	---	---	---	9.1	8.4	8.7	7.4	7.3	7.3
MONTH	9.2	7.7	8.4	9.4	8.0	9.0	9.3	7.7	8.8	9.1	7.0	7.8

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.8	7.7	8.3	8.5	7.7	8.1	8.6	7.6	8.0	9.1	8.4	8.8
2	9.0	7.8	8.4	8.7	7.6	8.1	8.6	7.6	8.1	9.1	8.5	8.8
3	9.0	8.0	8.5	8.8	7.6	8.2	8.7	7.6	8.2	9.1	8.6	8.8
4	9.1	8.1	8.7	8.9	7.7	8.3	8.7	7.7	8.2	8.9	8.5	8.7
5	9.1	8.1	8.7	9.0	7.8	8.5	8.7	7.7	8.2	8.7	8.2	8.4
6	9.1	8.2	8.7	9.0	8.1	8.6	8.8	7.7	8.3	8.9	7.8	8.4
7	9.1	8.3	8.8	9.1	8.2	8.7	8.8	7.7	8.3	8.7	7.8	8.2
8	9.1	8.3	8.8	9.2	8.4	8.9	8.4	7.7	7.9	8.8	7.7	8.2
9	9.2	8.4	8.8	9.1	8.4	8.8	8.6	7.5	8.0	8.6	7.5	8.0
10	9.1	8.3	8.8	8.9	8.1	8.5	8.7	7.7	8.2	8.5	7.6	7.9
11	9.1	8.2	8.7	8.9	7.7	8.3	8.7	7.7	8.2	8.8	7.6	8.2
12	8.9	8.2	8.6	8.7	7.9	8.4	8.8	7.8	8.3	8.9	7.7	8.3
13	8.9	7.9	8.4	8.9	7.7	8.4	8.8	7.9	8.4	8.9	7.8	8.3
14	8.9	7.8	8.4	8.8	7.9	8.4	8.4	7.2	7.6	8.9	7.8	8.4
15	8.9	7.8	8.4	8.9	8.0	8.5	8.1	7.4	7.7	8.5	8.0	8.2
16	8.9	7.8	8.5	8.9	8.1	8.6	8.5	7.6	8.0	8.0	7.1	7.6
17	8.5	7.8	8.2	9.0	8.3	8.7	8.6	7.5	8.0	---	---	---
18	8.6	7.5	8.0	9.0	8.3	8.7	8.7	7.6	8.2	---	---	---
19	8.6	7.6	8.1	8.8	8.0	8.4	8.7	7.8	8.3	---	---	---
20	8.5	7.6	8.0	8.7	7.7	8.2	8.4	7.7	8.0	---	---	---
21	8.4	7.6	8.0	8.7	7.7	8.2	8.2	7.5	7.8	---	---	---
22	8.7	7.6	8.2	8.5	7.7	8.0	8.6	7.6	8.1	7.7	7.6	7.6
23	8.8	7.6	8.3	8.7	7.6	8.1	8.8	7.8	8.3	7.8	7.7	7.7
24	8.9	7.8	8.4	8.6	7.7	8.1	8.8	8.0	8.4	7.8	7.7	7.8
25	8.9	7.8	8.4	8.7	7.7	8.2	8.9	8.2	8.6	7.8	7.7	7.7
26	9.0	7.9	8.5	8.7	7.7	8.2	8.6	7.7	8.3	7.9	7.7	7.8
27	8.9	7.8	8.5	8.7	7.7	8.2	8.2	7.7	7.9	8.0	7.7	7.8
28	8.9	7.9	8.4	8.8	7.7	8.2	8.7	7.6	8.1	8.2	7.7	7.9
29	8.9	7.8	8.4	8.8	7.7	8.3	8.8	7.8	8.3	8.4	7.7	8.0
30	8.8	7.8	8.3	8.6	7.7	8.2	8.9	8.0	8.5	8.5	7.8	8.1
31	---	---	---	8.6	7.6	8.1	9.0	8.3	8.7	---	---	---
MONTH	9.2	7.5	8.4	9.2	7.6	8.4	9.0	7.2	8.2	9.1	7.1	8.1

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	236	231	233	216	203	208	235	228	231
2	228	216	223	238	234	236	210	204	206	241	232	238
3	223	217	220	240	233	236	220	209	214	246	215	238
4	239	220	230	237	233	234	229	219	223	316	205	244
5	258	239	249	238	231	234	237	226	230	348	314	332
6	259	248	256	234	228	231	238	233	236	320	290	306
7	248	233	239	239	231	233	241	236	238	298	289	292
8	233	205	226	236	221	228	243	234	238	305	293	299
9	236	209	218	239	220	228	237	230	233	294	277	287
10	253	205	231	234	224	230	234	229	231	356	282	302
11	220	205	214	235	229	232	234	229	232	468	353	409
12	207	191	196	236	227	231	238	233	235	355	299	316
13	194	190	191	240	227	232	240	233	236	309	284	300
14	204	193	198	245	240	243	233	224	229	290	270	282
15	219	204	213	244	238	241	---	---	---	327	253	270
16	233	217	226	243	234	239	231	225	227	315	255	265
17	235	229	231	235	222	227	233	227	229	393	315	349
18	235	232	233	226	222	224	233	226	230	437	263	386
19	234	227	231	228	225	226	235	229	232	263	196	232
20	232	225	230	232	227	230	240	233	235	219	189	206
21	225	220	222	240	232	236	237	232	234	219	185	205
22	239	223	230	243	239	241	234	228	230	185	173	177
23	247	237	245	244	237	240	234	229	231	187	179	183
24	251	247	250	241	233	236	230	225	227	182	167	176
25	254	248	250	235	224	229	235	227	231	170	119	146
26	253	247	250	228	221	224	238	226	233	120	98	106
27	247	239	243	230	225	227	227	208	215	108	99	103
28	241	232	237	252	229	242	212	207	209	116	107	111
29	232	226	229	252	227	241	224	212	218	123	116	119
30	232	227	230	227	215	221	236	224	231	130	123	126
31	234	229	231	---	---	---	236	232	234	137	130	133
MONTH	259	190	229	252	215	233	243	203	228	468	98	238

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	143	137	140	182	173	176	151	145	148	187	179	182
2	150	141	145	187	180	183	150	148	149	188	183	185
3	164	149	157	185	171	180	154	149	151	190	185	188
4	159	142	151	172	163	166	151	149	150	196	190	194
5	143	134	137	172	153	166	153	149	152	200	194	198
6	140	135	137	153	130	134	158	151	154	201	196	198
7	141	136	138	139	130	133	158	153	156	202	197	200
8	141	137	139	142	137	139	165	155	161	203	196	199
9	160	141	152	145	140	143	166	160	164	205	199	201
10	160	158	159	152	145	149	171	163	168	209	201	204
11	162	157	160	163	151	158	179	169	175	205	196	200
12	162	157	160	163	157	160	172	164	169	201	196	199
13	168	159	164	163	157	161	169	164	167	200	196	198
14	171	163	167	168	162	165	169	165	167	203	199	202
15	163	151	155	176	166	169	168	164	166	209	202	205
16	---	---	---	191	176	182	170	164	167	217	209	213
17	162	153	159	199	187	193	179	168	172	227	216	220
18	161	157	159	187	181	183	181	178	179	227	219	223
19	164	156	160	188	181	185	181	174	177	219	213	216
20	168	160	163	185	171	179	175	172	173	230	215	220
21	165	160	163	172	164	169	176	172	174	240	213	226
22	167	163	165	167	135	150	174	170	172	214	194	203
23	169	165	166	171	147	161	176	170	173	195	187	190
24	176	167	170	147	140	143	177	172	174	194	185	190
25	181	176	178	144	137	139	181	175	178	204	193	197
26	183	179	180	146	142	143	177	167	171	204	180	192
27	183	176	180	149	142	144	171	164	167	180	145	156
28	177	173	175	150	146	148	172	168	170	147	142	144
29	---	---	---	153	150	152	175	168	171	155	147	151
30	---	---	---	155	149	152	182	173	176	163	155	159
31	---	---	---	153	145	149	---	---	---	171	163	167
MONTH	183	134	158	199	130	160	182	145	166	240	142	194

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	171	165	168	239	222	229	219	213	216	228	225	226
2	177	165	171	226	219	223	226	219	222	227	225	225
3	191	176	184	227	217	221	222	217	220	232	226	230
4	194	189	191	233	226	230	217	212	215	233	231	232
5	200	194	198	229	224	227	214	211	212	236	231	232
6	---	---	---	242	228	235	213	208	210	241	236	238
7	---	---	---	241	232	237	214	208	211	242	236	240
8	217	209	213	232	224	229	222	214	218	237	231	233
9	221	216	218	225	209	218	220	217	218	233	221	223
10	225	220	223	210	201	207	222	218	219	239	220	229
11	222	217	219	213	205	210	223	220	221	239	230	236
12	218	215	216	218	209	212	222	219	220	238	229	233
13	226	218	221	219	208	215	224	218	221	239	233	235
14	231	226	228	225	217	219	221	147	187	233	228	231
15	242	230	236	237	225	232	232	204	211	230	225	227
16	241	237	239	241	236	238	240	206	227	226	90	184
17	237	229	233	247	239	244	206	190	195	---	---	---
18	231	229	230	239	222	231	196	191	194	---	---	---
19	233	230	231	224	207	215	197	195	196	---	---	---
20	239	232	236	210	202	206	196	189	193	---	---	---
21	239	233	236	214	202	208	198	190	193	---	---	---
22	236	229	232	229	214	221	219	198	210	197	179	188
23	231	226	229	218	211	213	228	219	225	207	195	200
24	231	225	229	219	212	217	230	227	228	209	203	206
25	232	223	228	224	219	222	230	226	228	203	185	192
26	234	227	231	225	213	218	226	195	213	197	185	190
27	238	228	234	217	212	216	218	208	210	196	188	191
28	242	238	240	215	209	212	256	218	246	195	188	189
29	244	238	241	211	207	208	240	215	223	202	192	196
30	248	239	244	217	210	214	229	215	223	208	202	206
31	---	---	---	217	212	215	231	228	230	---	---	---
MONTH	248	165	221	247	201	221	256	147	215	242	90	216

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	12.0	10.5	11.0	8.5	7.5	8.0	.5	.0	.0
2	18.5	17.0	17.5	12.0	10.5	11.0	8.0	7.0	7.5	.0	.0	.0
3	17.0	16.0	16.0	11.0	10.0	10.5	9.0	7.0	8.0	1.5	.0	.5
4	16.0	15.0	15.0	10.0	9.0	9.5	10.0	8.5	9.0	.5	.0	.5
5	17.0	14.5	15.5	9.5	8.0	9.0	10.0	9.5	10.0	.0	.0	.0
6	17.0	15.0	16.0	8.5	7.5	8.0	11.0	10.0	10.5	.0	.0	.0
7	16.5	15.5	15.5	8.0	6.5	7.5	12.0	10.5	11.0	.5	.0	.0
8	16.5	16.0	16.5	8.5	7.5	8.0	12.0	10.5	11.0	.0	.0	.0
9	16.5	16.0	16.5	9.5	8.0	9.0	10.5	9.0	9.5	.5	.0	.5
10	16.5	16.0	16.5	9.0	8.0	8.0	9.0	7.5	8.0	.5	.0	.5
11	17.0	16.0	16.0	10.0	8.5	9.5	8.0	7.0	7.5	.5	.0	.0
12	16.5	16.0	16.0	9.5	8.5	9.0	7.0	6.0	6.5	1.0	.0	.5
13	17.0	16.0	16.5	9.0	8.0	8.5	6.5	6.0	6.5	1.5	.5	1.0
14	17.5	16.0	16.5	9.0	7.5	8.5	6.5	5.5	6.0	1.5	.0	1.0
15	16.5	15.5	16.0	10.0	8.5	9.0	---	---	---	.5	.0	.0
16	16.5	14.5	15.5	9.0	8.0	9.0	5.0	4.0	4.5	.5	.0	.0
17	16.5	14.5	15.5	9.5	8.5	9.0	4.5	4.0	4.5	1.5	.0	1.0
18	17.0	15.0	16.0	9.0	8.0	8.5	4.5	4.0	4.0	3.0	1.0	2.0
19	17.5	15.5	16.5	8.5	7.5	8.0	5.0	3.5	4.0	2.0	1.0	1.5
20	16.5	15.0	16.0	9.5	8.0	9.0	5.5	4.5	5.0	2.0	1.0	1.5
21	15.5	14.0	14.5	9.5	8.5	8.5	7.0	5.5	6.0	2.0	1.5	1.5
22	14.0	12.0	13.0	8.5	7.5	8.0	8.0	5.5	7.0	2.5	1.5	2.0
23	13.0	11.0	12.0	8.0	6.5	7.5	5.5	3.0	4.0	3.5	2.5	2.5
24	13.5	11.5	12.5	8.5	7.5	8.0	3.0	2.5	2.5	4.5	3.5	4.0
25	14.0	12.0	13.0	8.0	7.0	7.5	2.5	2.0	2.0	4.5	.5	2.5
26	14.0	12.5	13.5	7.5	7.0	7.5	2.0	1.0	1.5	1.5	.5	1.0
27	13.5	13.0	13.5	8.0	7.0	7.5	1.5	.5	1.0	2.5	1.5	2.0
28	13.5	12.5	13.0	7.5	6.5	7.0	2.0	1.0	1.5	3.0	2.0	2.5
29	13.5	12.0	13.0	8.0	6.5	7.5	2.5	2.0	2.0	3.5	3.0	3.0
30	12.5	11.5	12.0	8.5	7.5	8.0	2.5	.5	2.0	3.5	2.5	3.0
31	12.0	10.5	11.5	---	---	---	.5	.0	.5	2.5	2.0	2.0
MONTH	18.5	10.5	15.0	12.0	6.5	8.5	12.0	.0	5.5	4.5	.0	1.0

01463500 DELAWARE RIVER AT TRENTON, NJ--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.0	1.0	1.5	5.0	4.5	5.0	10.5	10.0	10.0	17.0	15.5	16.0
2	2.5	2.0	2.0	5.5	4.0	5.0	11.5	10.0	11.0	17.0	15.5	16.0
3	3.5	2.5	3.0	6.5	5.0	5.5	11.5	10.5	11.0	16.0	15.0	16.0
4	3.5	3.5	3.5	6.5	5.5	6.0	12.0	11.5	11.5	15.5	15.0	15.5
5	3.5	3.0	3.5	5.5	4.5	5.0	12.5	10.5	11.5	18.0	15.5	16.5
6	3.5	3.0	3.0	5.0	4.0	4.5	12.5	11.0	12.0	17.5	16.5	17.0
7	3.0	3.0	3.0	4.0	3.0	3.5	13.5	12.0	12.5	16.5	16.5	16.5
8	3.0	3.0	3.0	3.0	2.0	2.5	14.5	12.5	13.5	18.0	16.5	17.0
9	3.0	2.5	3.0	2.5	1.5	2.0	---	---	---	19.0	17.0	18.0
10	4.0	2.5	3.0	3.0	2.0	2.5	---	---	---	19.5	17.5	18.5
11	4.5	3.0	4.0	3.5	2.0	2.5	---	---	---	20.0	17.5	18.5
12	5.5	4.0	4.5	3.5	2.5	3.0	11.5	10.5	11.0	20.5	18.0	19.0
13	5.0	4.0	4.5	4.5	2.5	3.5	11.5	10.0	11.0	20.0	17.5	19.0
14	4.0	3.0	3.5	4.0	3.0	4.0	12.0	10.5	11.0	19.0	16.5	18.0
15	3.5	2.5	3.0	3.5	3.0	3.0	12.0	11.0	11.5	20.0	17.0	18.5
16	---	---	---	5.0	3.5	4.0	12.0	11.0	11.5	19.5	17.0	18.0
17	3.5	3.5	3.5	6.5	4.5	5.5	11.0	10.5	11.0	20.0	17.0	18.5
18	4.5	3.5	4.0	8.0	6.5	7.0	11.5	10.5	11.0	20.5	18.0	19.5
19	4.5	4.0	4.0	8.5	7.0	8.0	11.5	10.5	11.0	20.0	19.0	19.5
20	4.5	4.0	4.5	9.0	7.5	8.0	11.0	10.0	10.5	20.5	18.0	19.0
21	4.0	3.5	3.5	8.5	7.5	7.5	10.5	9.5	10.0	21.0	18.5	19.5
22	3.5	2.0	2.5	7.5	6.0	6.5	12.0	10.5	11.0	21.5	19.5	20.5
23	2.0	1.5	2.0	6.0	5.5	6.0	12.0	11.5	11.5	20.5	20.0	20.0
24	2.0	1.5	2.0	6.0	5.5	5.5	12.5	10.5	11.5	20.0	18.5	19.5
25	3.0	2.0	2.5	6.5	5.5	6.0	13.0	11.5	12.0	19.0	18.0	18.5
26	4.0	2.5	3.0	7.0	6.0	6.5	14.0	12.0	13.0	19.0	18.0	18.5
27	4.0	3.0	3.5	8.0	6.0	7.0	14.5	13.0	14.0	18.5	17.0	18.0
28	4.5	4.0	4.5	8.0	7.0	7.5	14.5	13.5	14.0	19.0	17.0	18.0
29	---	---	---	9.0	7.5	8.5	16.0	14.0	15.0	20.5	18.5	19.5
30	---	---	---	10.0	8.5	9.5	16.5	15.0	15.5	22.5	20.0	21.0
31	---	---	---	11.0	9.0	10.0	---	---	---	23.0	21.0	22.0
MONTH	5.5	1.0	3.0	11.0	1.5	5.5	16.5	9.5	12.0	23.0	15.0	18.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.5	22.0	23.5	27.0	25.5	26.0	31.0	29.0	30.0	23.0	21.5	22.0
2	25.5	23.0	24.5	27.5	25.5	26.5	30.5	28.0	29.5	23.5	21.5	22.5
3	25.5	24.0	25.0	29.5	26.5	27.5	29.5	27.5	28.5	24.0	22.0	23.0
4	25.5	23.0	24.5	31.0	28.0	29.0	29.0	27.0	28.0	24.5	23.5	24.0
5	25.5	23.0	24.0	32.0	29.0	30.5	28.5	26.0	27.0	24.5	24.0	24.5
6	25.5	22.5	23.5	33.0	30.0	31.5	28.5	25.5	27.0	26.5	24.5	25.0
7	27.5	23.5	25.5	32.0	30.0	31.0	28.0	26.0	27.0	26.0	25.0	25.5
8	28.5	25.5	27.0	30.5	28.0	29.0	27.5	26.5	26.5	27.0	25.0	26.0
9	28.5	25.5	27.0	29.0	26.5	28.0	26.5	24.5	25.5	26.5	25.0	25.5
10	26.5	24.5	25.5	28.0	26.5	27.5	26.0	23.5	25.0	25.5	24.5	25.0
11	26.0	23.0	24.5	27.5	24.5	26.0	26.5	24.5	25.5	25.5	23.5	24.5
12	24.5	23.0	23.5	26.5	24.5	25.0	28.0	25.0	26.5	25.5	23.0	24.0
13	24.5	23.0	23.5	26.5	23.5	25.0	28.5	26.5	27.5	25.0	23.5	24.0
14	25.5	23.0	24.5	25.5	24.0	24.5	28.0	24.5	26.5	24.0	23.0	23.5
15	27.0	24.0	25.5	26.5	23.0	25.0	27.0	26.0	26.5	24.0	23.0	23.5
16	26.0	23.5	24.5	28.5	25.0	27.0	28.0	25.5	27.0	23.0	18.0	21.0
17	24.5	22.0	23.0	30.0	26.5	28.5	28.5	26.0	27.0	---	---	---
18	24.0	21.0	22.5	30.5	28.0	29.0	28.5	26.5	27.5	---	---	---
19	24.5	21.5	23.0	30.0	28.5	29.5	27.5	25.5	26.5	---	---	---
20	23.5	22.0	22.5	29.5	28.0	29.0	26.5	23.5	25.0	---	---	---
21	22.0	21.0	21.5	28.5	27.0	28.0	23.5	22.0	22.5	---	---	---
22	24.5	20.5	22.5	28.0	26.0	27.0	23.0	21.5	22.5	17.5	16.5	17.0
23	26.5	23.0	24.5	30.5	27.0	28.5	25.0	21.5	23.0	17.5	16.0	16.5
24	27.0	23.5	25.5	30.0	28.5	29.5	25.0	23.5	24.0	18.0	16.5	17.0
25	26.0	24.0	25.0	30.5	28.0	29.5	25.5	24.0	24.5	18.5	17.0	17.5
26	28.0	25.0	26.5	30.0	27.5	29.0	25.5	23.5	25.0	18.5	17.5	17.5
27	29.0	26.5	28.0	30.0	27.5	28.5	25.5	24.5	25.0	18.5	17.5	18.0
28	29.5	27.0	28.5	30.0	28.0	29.0	27.0	24.0	25.5	20.0	18.0	19.0
29	30.0	27.5	29.0	30.0	27.5	29.0	27.5	25.0	26.0	21.0	19.0	20.0
30	29.0	27.0	27.5	30.0	27.5	29.0	25.5	22.5	23.5	20.5	19.0	20.0
31	---	---	---	31.0	28.5	29.5	22.5	21.0	22.0	---	---	---
MONTH	30.0	20.5	25.0	33.0	23.0	28.0	31.0	21.0	26.0	27.0	16.0	22.0