Water-Data Report 2012

01463500 DELAWARE RIVER AT TRENTON, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°13′18″, long 74°46′41″ referenced to North American Datum of 1983, Trenton City, Mercer County, NJ, Hydrologic Unit 02040105, on left bank 450 ft upstream from Calhoun Street Bridge at Trenton, 0.5 mi upstream from Assunpink Creek, 0.9 mi north of Morrisville, PA, and at river mile 134.5.

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

SURFACE-WATER 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. Peak discharges recorded at Lambertville, NJ, 14.3 mi upstream of bridge on Calhoun Street for water years 1898 to 1906.

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

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Sep 30, 1965, at datum 7.77 ft higher. Feb 24, 1913 to Oct 2, 1928, non-recording gage on downstream side of highway bridge at site 450 ft downstream.

REMARKS.--Records good. Diurnal fluctuations at medium and low flow caused by power plants on tributary streams. Flow regulated by Lakes Wallenpaupack (see 01431700) and Hopatcong (see 01455400), and by Pepacton (see 01416900), Cannonsville (see 01424997), Neversink (see 01435900) Reservoirs and many smaller reservoirs. Diversion from Pepacton (see 01415200), Cannonsville (see 01423900), and Neversink (see 01435800) Reservoirs. Diversion to Bradshaw (see 01459005) and Merrill Creek Reservoirs (see 01446572) and to Delaware and Raritan Canal (see 01460440). Water diverted just above station by Borough of Morrisville, PA (see 01463480), and City of Trenton (see 01463490) for municipal supply. Minor tide affect is occasionally noted at this location, but is considered negligible for normal tides. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct 11, 1903 reached an elevation of about 28.5 ft above NGVD of 1929, discharge, estimated at 295,000 ft^3/s. Maximum elevation known, 30.6 ft above NGVD of 1929, Mar 8, 1904 (from floodmark; due to ice jam).

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 24	1515	51,500	14.24
Dec 9	0730	63,100	*15.18
May 17	0145	54,600	14.50

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 01463500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/01463500.2012.pdf

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	72,400	18,900	35,600	20,200	18,700	8,790	6,030	7,260	11,400	4,160	7,520	3,190
2	55,400	18,600	32,700	18,800	17,900	8,810	6,120	7,260	18,000	4,030	6,120	3,260
3	48,900	17,800	26,400	17,900	16,900	9,310	6,560	7,420	20,900	3,950	5,200	3,520
4	42,100	16,700	22,000	16,800	16,200	9,990	6,740	8,430	18,600	4,070	4,430	3,610
5	36,400	15,800	19,800	15,000	14,800	10,700	6,260	9,100	15,700	3,910	4,300	4,660
6	33,300	14,700	18,800	14,000	13,900	10,900	5,610	11,500	14,500	3,710	4,450	10,200
7	29,100	13,200	22,200	13,700	13,200	10,300	5,150	10,200	13,000	3,670	4,740	7,410
8	25,300	12,500	50,000	13,000	12,700	9,540	4,830	8,970	11,300	3,700	4,340	5,890
9	22,200	12,400	60,000	11,900	11,800	9,200	4,590	9,260	10,100	3,960	4,110	5,470
10	19,700	12,100	45,400	11,500	11,100	9,990	4,380	15,400	9,400	3,830	4,250	5,390
11	18,200	11,900	36,100	11,500	10,600	13,000	4,260	17,200	8,160	3,640	4,820	4,500
12	16,100	11,500	31,200	15,500	9,980	11,900	4,200	14,500	7,670	3,550	5,150	3,970
13	15,500	11,100	27,100	18,400	9,750	10,500	4,330	12,000	10,500	3,430	4,580	3,530
14	16,600	10,400	24,000	18,200	9,090	9,810	4,210	9,970	11,800	3,180	4,090	3,430
15	23,100	10,000	21,900	16,700	8,900	9,580	4,190	10,400	11,500	3,520	4,020	3,510
16	26,200	10,300	20,400	14,200	8,910	9,640	4,010	28,400	10,100	3,550	4,150	3,180
17	23,600	13,600	19,800	12,500	8,990	9,430	3,940	46,900	8,320	3,660	4,220	2,990
18	21,700	13,800	18,600	13,200	8,920	9,030	3,900	30,100	7,260	3,720	4,830	2,960
19	20,800	12,900	16,900	13,400	8,600	8,260	3,740	21,700	6,960	4,010	4,570	17,500
20	22,800	11,700	15,700	12,400	8,250	7,870	3,580	15,900	6,580	4,160	4,390	29,700
21	21,700	10,800	15,100	11,600	7,870	7,860	3,460	13,300	6,210	4,420	3,800	22,800
22	20,600	11,000	15,300	10,700	7,880	7,680	3,800	12,300	6,390	4,110	3,610	15,900
23	17,600	38,500	20,800	10,100	7,770	7,800	11,600	12,800	6,290	4,280	3,370	12,000
24	16,000	48,000	21,300	13,000	7,630	7,310	15,100	14,000	5,990	3,690	3,190	10,500
25	14,800	40,800	20,600	15,100	8,060	6,850	16,600	14,200	5,630	4,240	3,090	9,110
26	13,600	30,300	18,000	16,000	8,360	6,460	13,200	13,100	5,230	4,040	2,960	7,100
27	12,800	24,400	17,000	18,400	7,890	5,900	11,100	16,500	4,910	4,200	3,430	6,350
28	13,500	21,700	26,600	24,400	7,520	6,000	9,710	16,500	4,520	4,340	3,400	6,180
29	14,900	21,200	28,800	29,900	7,530	5,730	8,780	13,000	4,290	6,290	2,960	6,260
30	17,700	29,100	26,600	25,100	---	5,550	7,920	12,700	4,130	6,320	2,910	6,940
31	19,100	---	23,000	21,200	---	5,670	---	12,800	---	6,410	2,980	---
Total	771,700	545,700	797,700	494,300	309,700	269,360	197,900	453,070	285,340	127,750	129,980	231,010
Mean	24,890	18,190	25,730	15,950	10,680	8,689	6,597	14,620	9,511	4,121	4,193	7,700
Max	72,400	48,000	60,000	29,900	18,700	13,000	16,600	46,900	20,900	6,410	7,520	29,700
Min	12,800	10,000	15,100	10,100	7,520	5,550	3,460	7,260	4,130	3,180	2,910	2,960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7,664	10,830	13,470	12,930	12,840	20,810	22,080	14,040	9,573	7,099	6,266	6,628
Max	28,710	27,340	42,860	34,950	31,640	60,840	52,680	31,690	33,460	25,720	30,290	50,480
(WY)	(1956)	(1928)	(1997)	(1979)	(2008)	(1936)	(1940)	(1989)	(1972)	(1928)	(1955)	(2011)
Min	1,632	1,868	2,037	2,539	3,500	7,715	6,597	5,074	2,572	1,548	1,808	1,762
(WY)	(1942)	(1915)	(1923)	(1981)	(1920)	(1981)	(2012)	(1995)	(1965)	(1965)	(1965)	(1932)

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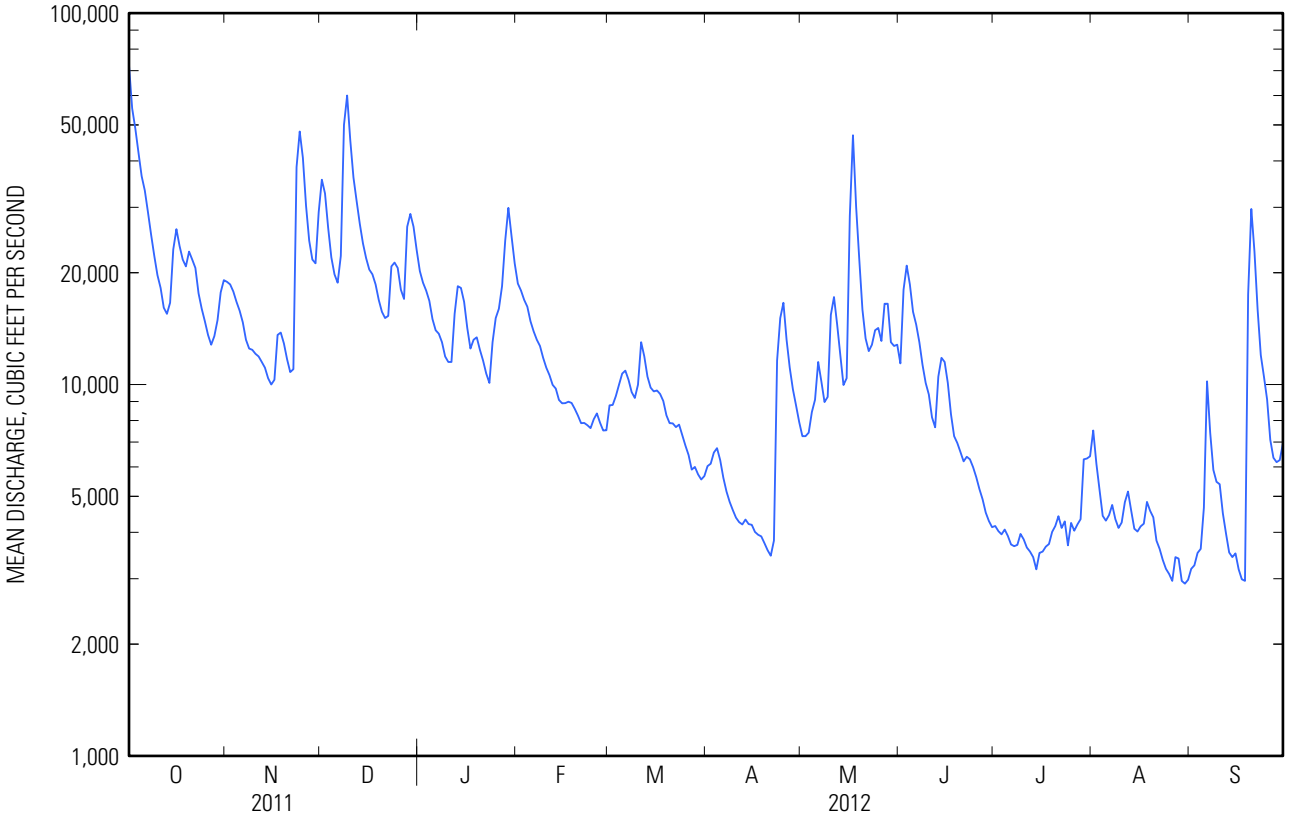
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1913 - 2012	
Annual total	8,737,930		4,613,510			
Annual mean	23,940		12,610		12,010	
Highest annual mean					22,040	2011
Lowest annual mean					4,708	1965
Highest daily mean	172,000	Sep 9	72,400	Oct 1	279,000	Aug 20, 1955
Lowest daily mean	4,500	Jan 18	2,910	Aug 30	1,240	Oct 31, 1914
Annual seven-day minimum	5,150	Jul 19	3,100	Aug 25	1,310	Oct 31, 1914
Maximum peak flow			[a]63,100	Dec 9	[b]329,000	Aug 20, 1955
Maximum peak stage			[a]15.18	Dec 9	[c]28.60	Aug 20, 1955
Instantaneous low flow			2,810	Many days	1,180	Oct 31, 1963
10 percent exceeds	46,900		23,200		25,000	
50 percent exceeds	18,100		10,200		8,200	
90 percent exceeds	6,480		3,800		3,100	

[a] Maximum discharge, 81,600 ft³/s, Oct 1, gage height 16.56 ft, occurred on recession following peak of Sep 29, 2011; maximum independent peak discharge, 63,100 ft³/s, Dec 9, gage height 15.18 ft.
[b] From rating curve extended above 230,000 ft³/s, maximum flow since 1692.
[c] From high-water mark in gage house, current datum.



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1945 to current year.

PERIOD OF DAILY RECORD.--
DISSOLVED OXYGEN in mg/L: October 1962 to current year. Recorded as once daily during 1979.
DISSOLVED OXYGEN in PERCENT OF SATURATION: October 2001 to current year.
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 CONCENTRATION: September 1949 to March 1982.
SUSPENDED SEDIMENT DISCHARGE: September 1949 to March 1982.
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 (in-situ system, max-min recorded): October 1953 to September 1961.
TEMPERATURE / DISSOLVED-OXYGEN MONITOR (in-situ system): October 1962 to September 1965, max-min recorded (only dissolved-oxygen concentration recorded during water year 1964). October 1965 to May 1968, measurements recorded hourly.
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 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 September 19, 2005, monitor located inside raw-water intake of Morrisville Water Filtration Plant, Morrisville, PA, 1600 feet upstream on bank opposite the gage house. YSI turbidimeter 6026, November 2000 to May 2004; YSI turbidimeter 6136, June 2004 to current year.
WATER-QUALITY MONITOR (intermittent pumping system, measurements recorded hourly): September 20, 2005 to current year, water withdrawn from raw-water intake within Morrisville Water Filtration Plant, Morrisville, PA.

REMARKS.--The reporting limit for turbidity, stated by the manufacturer, is 0.5 FNU. Recorded values between 0.0 and 0.4 FNU were corrected to less than 0.5 FNU. The accuracy of continuous water-quality data is routinely verified through inspections for fouling and calibration drift. The New Jersey Water Science Center requires that either constant or prorated adjustments be made to the continuous water-quality record when the difference between a sensor's response and a known value exceeds the following criteria: Water Temperature, 0.2 degrees Celsius (+ or -); Specific Conductance, the greater of 5 microsiemens/cm (+ or -) or 3 % of the measured value; Dissolved Oxygen, the greater of 0.3 mg/L (+ or -) or 5 % of the measured value; pH, 0.3 units (+ or -); Turbidity, the greater of 0.5 FNU (+ or -) or 5 % of the measured value. If the difference between a sensor's response and a known value is within specified criteria, the data are considered to be reliable and are not adjusted. Data from the following periods were adjusted - DISSOLVED OXYGEN: Nov 10 to Dec 1. pH: Dec 23 to Jan 18, Apr 30 to May 30, Jul 19 to Aug 29. SPECIFIC CONDUCTANCE: May 31 to Jun 25. TURBIDITY: Apr 3 to Apr 18, May 30 to Jun 25, Jul 19 to Aug 29.

COOPERATION.--Samples were collected as part of the National Water Quality Assessment (NAWQA) Program and the National Monitoring Network (NMN). Samples on Dec 15 at 1140, Feb 22 at 1035, May 23 at 1100, and Aug 20 at 1030 were collected in cooperation with the Delaware River Basin Commission. Determination of concentrations of hexavalent chromium (chromium VI), enterococci, E. coli, and fecal coliform bacteria were performed by QC Laboratories in Southampton, Pennsylvania. Determination of concentrations of enterococci, E. coli, and fecal coliform bacteria for the Aug 17 at 1030 sample was performed by the NJ Department of Health and Senior Services, Sanitary Bacteriology Laboratory.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISSOLVED OXYGEN: Maximum, 20.0 mg/L, Feb 11, 1989; minimum, 4.0 mg/L, Nov 9, 1972, Sep 9, 1995.
DISSOLVED OXYGEN, PERCENT OF SATURATION: Maximum, 199 %, Jul 5, 2010; minimum, 59 %, Aug 9, 2005.
pH: Maximum, 10.3 standard units, Aug 9, 10, 1983; minimum, 5.3 standard units, Jun 22, 1972.
SPECIFIC CONDUCTANCE: Maximum, 468 microsiemens/cm, Jan 11, 1999; minimum, 63 microsiemens/cm, Jul 7, 1984.
WATER TEMPERATURE: Maximum, 34.0°C, Jun 18, 1957; minimum, -0.6°C, on many days during winter months in water years 1954-57.
TURBIDITY: Maximum, 880 FNU, Jun 28, 29, 2006; minimum, <0.5 FNU, on many days throughout the period of record.

EXTREMES FOR CURRENT YEAR.--
DISSOLVED OXYGEN: Maximum, 17.1 mg/L, Apr. 14; minimum, 6.4 mg/L, July 6.
DISSOLVED OXYGEN, PERCENT OF SATURATION: Maximum, 179 %, Apr. 16; minimum, 80 %, July 6.
pH: Maximum, 10.1 standard units, Apr. 16, 17; minimum, 7.0 standard units, May 30.
SPECIFIC CONDUCTANCE: Maximum, 265 microsiemens/cm, July 18; minimum, 85 microsiemens/cm, May 17.
WATER TEMPERATURE: Maximum, 30.0°C, July 5; minimum, 0.0°C, Jan. 22.
TURBIDITY: Maximum, 230 FNU, Dec. 7; minimum, <0.5 FNU, on several days.

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 20

[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per cm (50624)	Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered, units per cm (61726)	Discharge, instanta-neous, ft^3/s (00061)
10-26-2011	**1100**	Surface water	Regular	760	14.0	0.096	0.074	13,600
11-28-2011	**1000**	Surface water	Replicate	766	21.0	--	--	21,500
11-28-2011	***1001***	*QC sample - Surface water*	*Replicate*	--	--	--	--	--
12-14-2011	**1140**	Surface water	Regular	772	11.0	.080	.061	24,000
12-14-2011	**1145**	Surface water	Regular	--	--	--	--	--
01-25-2012	**1040**	Surface water	Regular	770	7.0	.063	.048	15,000
01-25-2012	**1045**	Surface water	Regular	--	--	--	--	--
02-09-2012	**1130**	Surface water	Regular	767	2.5	.048	.036	8,630
02-09-2012	**1140**	Surface water	Regular	--	--	--	--	--
02-22-2012	**1030**	Surface water	Regular	757	12.0	.046	.035	7,910
02-22-2012	**1035**	Surface water	Regular	--	--	--	--	--
03-05-2012	**1040**	Surface water	Regular	763	5.0	.054	.041	10,400
03-05-2012	**1045**	Surface water	Regular	--	--	--	--	--
03-21-2012	**1040**	Surface water	Regular	771	17.5	.051	.039	7,960
04-12-2012	***1000***	*QC sample - Artificial*	*Blank*	--	--	*< .005*	*< .005*	--
04-12-2012	**1040**	Surface water	Regular	763	10.0	.045	.033	4,200
04-12-2012	**1045**	Surface water	Regular	--	--	--	--	--
04-25-2012	**1300**	Surface water	Regular	758	20.0	--	--	16,700
05-16-2012	**1230**	Surface water	Replicate	761	28.0	--	--	23,300
05-16-2012	***1231***	*QC sample - Surface water*	*Replicate*	--	--	--	--	--
05-23-2012	**1100**	Surface water	Regular	761	26.5	.078	.059	13,100
05-23-2012	**1105**	Surface water	Regular	--	--	--	--	--
06-13-2012	**0940**	Surface water	Regular	761	21.0	--	--	9,780
06-27-2012	**1130**	Surface water	Regular	758	26.0	.065	.049	4,920
06-27-2012	**1135**	Surface water	Regular	--	--	--	--	--
07-11-2012	**1000**	Surface water	Regular	760	33.5	--	--	3,650
07-26-2012	***1000***	*QC sample - Artificial*	*Blank*	--	--	--	--	--
07-26-2012	**1100**	Surface water	Regular	756	28.0	--	--	3,990
08-09-2012	**1100**	Surface water	Regular	762	26.0	--	--	3,890
08-20-2012	***1000***	*QC sample - Artificial*	*Blank*	--	--	--	--	--
08-20-2012	**1030**	Surface water	Regular	760	23.0	.075	.057	4,460
09-05-2012	**1000**	Surface water	Regular	763	27.0	--	--	4,130

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 2 of 20

[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	Tempera-ture, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Turbidity, water, unfiltered, field, broad band light source (400-680 nm), detectors at multiple angles including 90 +-30 degrees, ratiometric correction, nephelometric (72188)	Chemical oxygen demand, high level, water, unfiltered, milligrams per liter (00340)
10-26-2011	**1100**	11.1	102	7.9	174	11.4	< 2.0	1.5	--
11-28-2011	**1000**	12.2	101	7.7	155	7.6	--	3.2	--
11-28-2011	***1001***	--	--	--	--	--	--	--	--
12-14-2011	**1140**	14.3	106	7.6	148	3.6	E 2.2	3.2	< 10
12-14-2011	**1145**	--	--	--	--	--	--	--	--
01-25-2012	**1040**	14.8	109	7.7	243	3.0	E 3.0	4.3	--
01-25-2012	**1045**	--	--	--	--	--	--	--	--
02-09-2012	**1130**	13.5	99	7.8	171	3.1	< 2.0	1.1	--
02-09-2012	**1140**	--	--	--	--	--	--	--	--
02-22-2012	**1030**	14.0	110	8.2	206	5.0	< 2.0	.78	--
02-22-2012	**1035**	--	--	--	--	--	--	--	< 10
03-05-2012	**1040**	15.6	123	8.7	204	5.2	< 2.0	1.4	--
03-05-2012	**1045**	--	--	--	--	--	--	--	--
03-21-2012	**1040**	10.7	103	8.4	183	14.1	E 3.8	1.4	--
04-12-2012	***1000***	--	--	--	--	--	--	--	--
04-12-2012	**1040**	14.1	131	9.2	233	12.1	< 2.0	.67	--
04-12-2012	**1045**	--	--	--	--	--	--	--	--
04-25-2012	**1300**	10.7	102	7.7	162	12.8	E 7.9	8.0	--
05-16-2012	**1230**	9.2	97	7.5	162	18.0	24	--	--
05-16-2012	***1231***	--	--	--	--	--	--	--	--
05-23-2012	**1100**	9.3	101	7.7	144	19.6	E 5.1	7.3	13
05-23-2012	**1105**	--	--	--	--	--	--	--	--
06-13-2012	**0940**	8.9	100	8.1	190	21.4	2.3	--	--
06-27-2012	**1130**	9.1	107	8.5	218	23.3	E 2.0	--	--
06-27-2012	**1135**	--	--	--	--	--	--	--	--
07-11-2012	**1000**	9.4	119	8.8	237	27.5	3.9	--	--
07-26-2012	***1000***	--	--	--	--	--	--	--	--
07-26-2012	**1100**	8.5	105	8.4	227	26.2	2.4	--	--
08-09-2012	**1100**	8.8	111	8.3	225	27.4	1.5	--	--
08-20-2012	***1000***	--	--	--	--	--	--	--	--
08-20-2012	**1030**	10.0	115	8.1	227	22.3	< 2.0	1.8	< 10

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09-05-2012	**1000**	8.1	96	7.7	229	24.3	3.0	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 3 of 20

[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constit-uents, mg/L (70301)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium, water, filtered, mg/L (00915)	Magne-sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as $CaCO_3$ (29801)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)
10-26-2011	**1100**	100	99	65.5	16.9	5.67	1.25	9.90	48.3	46
11-28-2011	**1000**	--	--	--	--	--	--	--	--	37
11-28-2011	***1001***	--	--	--	--	--	--	--	--	--
12-14-2011	**1140**	81	81	52.5	13.7	4.44	1.01	8.28	38.6	35
12-14-2011	**1145**	--	--	--	--	--	--	--	--	--
01-25-2012	**1040**	150	127	68.5	17.5	6.01	1.34	18.6	49.0	46
01-25-2012	**1045**	--	--	--	--	--	--	--	--	--
02-09-2012	**1130**	87	92	59.6	15.2	5.28	1.13	9.35	42.5	40
02-09-2012	**1140**	--	--	--	--	--	--	--	--	--
02-22-2012	**1030**	109	112	76.1	18.8	7.10	1.34	11.5	53.3	51
02-22-2012	**1035**	--	--	--	--	--	--	--	--	--
03-05-2012	**1040**	116	104	68.0	17.2	6.06	1.18	12.7	49.3	--
03-05-2012	**1045**	--	--	--	--	--	--	--	--	--
03-21-2012	**1040**	103	93	64.7	16.4	5.75	1.18	10.4	47.7	40
04-12-2012	***1000***	--	--	*< .10*	*< .022*	*< .011*	*< .004*	*< .06*	--	--
04-12-2012	**1040**	138	121	81.8	20.3	7.54	1.46	13.2	64.7	59
04-12-2012	**1045**	--	--	--	--	--	--	--	--	--
04-25-2012	**1300**	103	85	53.0	14.0	4.38	1.03	10.3	40.0	36
05-16-2012	**1230**	--	--	--	--	--	--	--	--	34
05-16-2012	***1231***	--	--	--	--	--	--	--	--	--
05-23-2012	**1100**	90	76	48.8	12.7	4.11	1.04	9.18	37.4	--
05-23-2012	**1105**	--	--	--	--	--	--	--	--	--
06-13-2012	**0940**	--	--	--	--	--	--	--	--	41
06-27-2012	**1130**	130	114	77.5	19.5	6.96	1.56	12.6	57.2	50
06-27-2012	**1135**	--	--	--	--	--	--	--	--	--
07-11-2012	**1000**	--	--	--	--	--	--	--	--	46
07-26-2012	***1000***	--	--	--	--	--	--	--	--	--
07-26-2012	**1100**	--	--	--	--	--	--	--	--	45
08-09-2012	**1100**	--	--	--	--	--	--	--	--	53
08-20-2012	***1000***	--	--	--	--	--	--	--	--	--
08-20-2012	**1030**	136	119	76.4	18.9	7.07	1.72	13.6	57.9	56
09-05-2012	**1000**	--	--	--	--	--	--	--	--	53

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Inorganic carbon, suspended sediment, total, mg/L (00688)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)
10-26-2011	**1100**	56	0.14	0.0	15.9	0.04	< .03	5.15	13.0
11-28-2011	**1000**	45	--	.0	13.5	--	--	--	11.6
11-28-2011	***1001***	--	--	--	*13.5*	--	--	--	*11.6*
12-14-2011	**1140**	43	.21	.0	12.7	< .04	< .03	5.31	10.6
12-14-2011	**1145**	--	--	--	--	--	--	--	--
01-25-2012	**1040**	56	.64	.0	30.5	.06	< .03	5.54	14.7
01-25-2012	**1045**	--	--	--	--	--	--	--	--
02-09-2012	**1130**	48	.18	.0	16.0	--	< .03	4.80	12.2
02-09-2012	**1140**	--	--	--	--	--	--	--	--
02-22-2012	**1030**	62	.30	.0	19.2	< .04	< .03	3.94	14.8
02-22-2012	**1035**	--	--	--	--	--	--	--	--
03-05-2012	**1040**	49	.60	.0	21.8	.04	< .03	3.45	13.9
03-05-2012	**1045**	--	--	--	--	--	--	--	--
03-21-2012	**1040**	49	1.50	.0	17.6	.11	< .03	.893	12.9
04-12-2012	***1000***	--	*.05*	--	*< .02*	*< .01*	*< .03*	*< .018*	*< .02*
04-12-2012	**1040**	65	.27	3	22.3	.05	< .03	.417	16.5
04-12-2012	**1045**	--	--	--	--	--	--	--	--
04-25-2012	**1300**	44	2.12	.0	16.6	< .04	< .03	2.80	11.4
05-16-2012	**1230**	41	--	.0	15.1	--	--	--	12.3
05-16-2012	***1231***	--	--	--	--	--	--	--	--
05-23-2012	**1100**	35	.60	.0	13.7	.06	< .03	3.97	11.1
05-23-2012	**1105**	--	--	--	--	--	--	--	--
06-13-2012	**0940**	50	--	.0	17.2	--	--	--	13.7
06-27-2012	**1130**	61	.74	.0	19.8	.06	< .03	2.09	16.3
06-27-2012	**1135**	--	--	--	--	--	--	--	--
07-11-2012	**1000**	56	--	.0	20.8	--	--	--	17.7
07-26-2012	***1000***	--	--	--	*< .06*	--	--	--	*< .09*
07-26-2012	**1100**	54	--	.0	20.0	--	--	--	16.2
08-09-2012	**1100**	64	--	.0	20.4	--	--	--	15.9
08-20-2012	***1000***	--	--	--	--	--	--	--	--
08-20-2012	**1030**	68	.52	.0	20.6	.07	< .03	3.40	16.3
09-05-2012	**1000**	64	--	.0	21.3	--	--	--	15.8

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Ammonia, water, unfiltered, mg/L as N (00610)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L as N (00613)	Orthophos-phate, water, filtered, mg/L as P (00671)	Particulate nitrogen, suspended in water, mg/L (49570)
10-26-2011	**1100**	0.18	0.18	< .010	--	0.820	0.816	0.004	0.021	0.029
11-28-2011	**1000**	--	--	.013	--	.892	.889	.002	.013	--
11-28-2011	***1001***	--	--	*.012*	--	*.904*	*.902*	*.002*	*.013*	--
12-14-2011	**1140**	.11	.17	< .010	< .02	.847	.845	.002	.018	.034
12-14-2011	**1145**	--	--	.037	--	.840	.840	< .001	.020	--
01-25-2012	**1040**	.28	.20	.025	--	1.11	1.10	.009	.029	.053
01-25-2012	**1045**	--	--	.031	--	1.11	1.10	.009	.030	--
02-09-2012	**1130**	.09	.12	.011	--	1.01	1.00	.005	.025	< .017
02-09-2012	**1140**	--	--	.011	--	1.00	.996	.006	.025	--
02-22-2012	**1030**	.13	.17	< .010	--	1.02	1.01	.012	.023	.037
02-22-2012	**1035**	--	--	--	< .02	--	--	--	--	--
03-05-2012	**1040**	.19	.17	< .010	--	.842	.828	.014	.012	.142
03-05-2012	**1045**	--	--	< .010	--	.828	.814	.013	.012	--
03-21-2012	**1040**	.23	.31	.012	--	.800	.785	.016	.008	.236
04-12-2012	***1000***	--	--	*< .010*	--	*.01*	*.012*	*< .001*	*< .004*	*< .017*
04-12-2012	**1040**	.16	.24	< .010	--	.818	.802	.016	.013	.040
04-12-2012	**1045**	--	--	< .010	--	.819	.803	.016	.013	--
04-25-2012	**1300**	.22	.59	< .010	--	.605	.575	.030	< .004	.293
05-16-2012	**1230**	--	--	.067	--	.748	.728	.020	.045	--
05-16-2012	***1231***	--	--	--	--	--	--	--	--	--
05-23-2012	**1100**	.22	.23	< .010	< .02	.633	.599	.034	.004	.078
05-23-2012	**1105**	--	--	< .010	--	.700	.682	.017	.018	--
06-13-2012	**0940**	--	--	.013	--	.783	.779	.004	.026	--
06-27-2012	**1130**	.16	.32	< .010	--	.940	.933	.007	.052	.118
06-27-2012	**1135**	--	--	< .010	--	.936	.929	.007	.052	--
07-11-2012	**1000**	--	--	< .010	--	.845	.837	.009	.042	--
07-26-2012	***1000***	--	--	*< .010*	--	*< .040*	*< .039*	*.001*	*< .004*	--
07-26-2012	**1100**	--	--	< .010	--	.758	.750	.008	.043	--
08-09-2012	**1100**	--	--	< .010	--	.796	.788	.008	.046	--
08-20-2012	***1000***	--	--	--	--	--	--	--	--	--
08-20-2012	**1030**	.18	.36	< .010	.02	.865	.858	.006	.063	.068
09-05-2012	**1000**	--	--	.030	--	.981	.974	.007	.080	--

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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Phos-phorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Total nitrogen, water, filtered, mg/L (00602)	Total nitrogen, water, unfiltered, mg/L (00600)	Entero-cocci, m-E MF method, water, col/100 mL (31649)	Escherichia coli, m-TEC MF method, water, col/100 mL (31633)
10-26-2011	**1100**	0.022	0.034	0.93	0.95	1.0	0.96	--	--
11-28-2011	**1000**	--	.031	--	1.05	--	--	--	--
11-28-2011	***1001***	--	*.030*	--	*1.05*	--	--	--	--
12-14-2011	**1140**	.018	.031	.96	.96	.96	1.0	18	10
12-14-2011	**1145**	--	.030	--	.97	--	--	--	--
01-25-2012	**1040**	.032	.051	1.32	1.43	1.4	1.4	--	--
01-25-2012	**1045**	--	.054	--	1.40	--	--	--	--
02-09-2012	**1130**	.028	.034	.98	1.23	1.1	1.1	--	--
02-09-2012	**1140**	--	.034	--	1.25	--	--	--	--
02-22-2012	**1030**	.028	.032	1.17	1.30	1.1	1.2	< 10	< 10
02-22-2012	**1035**	--	--	--	--	--	--	--	--
03-05-2012	**1040**	.018	.030	.94	1.18	1.0	1.1	--	--
03-05-2012	**1045**	--	.032	--	1.16	--	--	--	--
03-21-2012	**1040**	.014	.040	.96	1.20	1.0	1.2	--	--
04-12-2012	***1000***	--	--	--	--	--	--	--	--
04-12-2012	**1040**	.019	.033	--	--	.98	1.0	--	--
04-12-2012	**1045**	--	.033	--	1.13	--	--	--	--
04-25-2012	**1300**	.020	.105	.78	1.33	.82	1.1	--	--
05-16-2012	**1230**	--	.163	--	1.47	--	--	--	--
05-16-2012	***1231***	--	--	--	--	--	--	--	--
05-23-2012	**1100**	.042	.058	--	--	.85	.93	18	18
05-23-2012	**1105**	--	.058	--	.96	--	--	--	--
06-13-2012	**0940**	--	.046	--	1.01	--	--	--	--
06-27-2012	**1130**	.059	.082	--	--	1.1	1.2	--	--
06-27-2012	**1135**	--	.083	--	1.21	--	--	--	--
07-11-2012	**1000**	--	.087	--	1.27	--	--	--	--
07-26-2012	***1000***	--	*.007*	--	*< .05*	--	--	--	--
07-26-2012	**1100**	--	.068	--	1.02	--	--	--	--
08-09-2012	**1100**	--	.071	--	1.07	--	--	--	--
08-20-2012	***1000***	--	--	--	--	--	--	--	--
08-20-2012	**1030**	.074	.085	--	--	1.0	1.1	40	--
09-05-2012	**1000**	--	.112	--	1.28	--	--	--	--

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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Escherichia coli, water, most probable number per 100 mililiters (31689)	Fecal coliform, EC medium, 44.5 degrees Celsius, 24 hours, Standard Methods 9221E.1, water, most probable number per 100 milliliters (31685)	Total coliform, ONPG-MUG method, water, colonies per 100 milliliters (50017)	Barium, water, unfiltered, recover-able, µg/L (01007)	Beryllium, water, unfiltered, recover-able, µg/L (01012)	Cadmium, water, unfiltered, µg/L (01027)	Chromium(VI), water, filtered, micrograms per liter (01032)	Chromium, water, filtered, µg/L (01030)	Chromium, water, unfiltered, recover-able, µg/L (01034)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	--	30	--	20.0	.02	.032	< 10	.14	< .30
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	30	--	--	--	--	< 10	--	--
02-22-2012	1035	--	--	--	21.3	< .02	.034	--	.23	< .30
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	*1000*	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-16-2012	*1231*	--	--	--	--	--	--	--	--	--
05-23-2012	1100	--	70	--	23.2	.03	.059	< 10	.12	< .30
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	*1000*	--	--	--	--	--	--	--	--	--
08-20-2012	1030	< 100	49	4,600	21.3	< .02	< .016	< 10	.15	< .30
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Copper, water, filtered, µg/L (01040)	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, filtered, µg/L (01046)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, filtered, µg/L (01049)	Lead, water, unfiltered, recoverable, µg/L (01051)	Lithium, water, filtered, µg/L (01130)	Manganese, water, unfiltered, recoverable, µg/L (01055)	Mercury, water, filtered, µg/L (71890)
10-26-2011	1100	--	--	55.9	--	--	--	1.25	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .80	< .70	43.6	147	.059	.23	.90	22.0	< .005
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	36.3	--	--	--	1.37	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	29.0	--	--	--	1.41	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	25.8	--	--	--	1.11	--	--
02-22-2012	1035	< .80	< .70	--	52.8	.038	.07	--	11.2	< .005
03-05-2012	1040	--	--	23.8	--	--	--	1.34	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	15.7	--	--	--	1.27	--	--
04-12-2012	*1000*	--	--	*< 3.2*	--	--	--	*< .22*	--	--
04-12-2012	1040	--	--	17.3	--	--	--	1.66	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	26.2	--	--	--	1.16	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-16-2012	*1231*	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .80	1.1	27.5	258	.067	.64	1.58	44.2	< .005
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	15.4	--	--	--	1.79	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	*1000*	*< .80*	--	--	--	*< .025*	--	--	--	*< .005*
08-20-2012	1030	.98	1.0	17.2	69.4	.052	.20	2.08	23.1	< .005
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 9 of 20

[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Mercury, water, unfiltered, recover-able, µg/L (71900)	Nickel, water, filtered, µg/L (01065)	Nickel, water, unfiltered, recover-able, µg/L (01067)	Silver, water, unfiltered, recover-able, µg/L (01077)	Strontium, water, filtered, µg/L (01080)	Strontium, water, unfiltered, recoverable, micrograms per liter (01082)	Vanadium, water, filtered, µg/L (01085)	Zinc, water, filtered, µg/L (01090)	Zinc, water, unfiltered, recover-able, µg/L (01092)
10-26-2011	1100	--	--	--	--	70.5	--	0.16	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .005	.59	.62	< .015	52.1	50.7	.13	6.4	7.3
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	73.2	--	.18	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	59.6	--	.09	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	73.7	--	.11	--	--
02-22-2012	1035	< .005	.64	.48	< .015	--	72.8	--	4.9	5.8
03-05-2012	1040	--	--	--	--	67.5	--	.14	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	67.7	--	.11	--	--
04-12-2012	*1000*	--	--	--	--	*< .20*	--	*< .08*	--	--
04-12-2012	1040	--	--	--	--	81.2	--	.17	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	60.3	--	.20	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-16-2012	*1231*	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .005	.58	.74	< .015	53.3	52.9	.18	2.6	8.2
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	81.2	--	.22	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	*1000*	--	*< .09*	--	--	--	--	--	*< 1.4*	--
08-20-2012	1030	< .005	.62	.59	< .015	88.3	89.4	.32	2.1	3.6
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 10 of 20

[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Arsenic, water, filtered, µg/L (01000)	Arsenic, water, unfiltered, µg/L (01002)	Boron, water, filtered, µg/L (01020)	Boron, water, unfiltered, recoverable, micrograms per liter (01022)	Selenium, water, filtered, µg/L (01145)	Selenium, water, unfiltered, µg/L (01147)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, µg/L (61618)
10-26-2011	1100	0.33	--	10	--	0.17	--	< .0360	< .0060	< .010
11-28-2011	1000	--	--	--	--	--	--	< .0360	< .0060	< .010
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	.27	.40	9	8	.15	.148	< .0360	< .0060	< .010
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	.23	--	12	--	.19	--	< .0360	< .0060	< .010
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	.22	--	10	--	.18	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	< .0360	< .0060	< .010
02-22-2012	1030	.20	--	10	--	.21	--	< .0360	< .0060	< .010
02-22-2012	1035	--	.36	--	12	--	.174	--	--	--
03-05-2012	1040	.21	--	12	--	.15	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	< .0360	< .0060	< .010
03-21-2012	1040	.24	--	10	--	.15	--	< .0360	< .0060	< .010
04-12-2012	*1000*	*< .03*	--	*< 3*	--	*< .03*	--	*< .0360*	*< .0060*	*< .010*
04-12-2012	1040	.28	--	13	--	.19	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	< .0360	< .0060	< .010
04-25-2012	1300	.35	--	12	--	.13	--	< .0360	< .0060	< .010
05-16-2012	1230	--	--	--	--	--	--	< .0360	< .0060	< .010
05-16-2012	*1231*	--	--	--	--	--	--	*< .0360*	*< .0060*	*< .010*
05-23-2012	1100	.38	.58	12	11	.17	.124	--	--	--
05-23-2012	1105	--	--	--	--	--	--	< .0360	< .0060	< .010
06-13-2012	0940	--	--	--	--	--	--	< .0360	< .0060	< .010
06-27-2012	1130	.47	--	14	--	.24	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	< .0360	< .0060	< .010
07-11-2012	1000	--	--	--	--	--	--	< .0360	< .0060	< .010
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	< .0360	< .0060	< .010
08-09-2012	1100	--	--	--	--	--	--	< .0360	< .0060	< .010
08-20-2012	*1000*	*< .03*	--	--	--	--	--	--	--	--
08-20-2012	1030	.58	.62	17	12	.23	.206	--	--	--
09-05-2012	1000	--	--	--	--	--	--	< .0360	< .0060	< .010

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 11 of 20

[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	2-Chloro-4-isopropyl-amino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)	3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625)	3,5-Dichloro-aniline, water, filtered, recoverable, µg/L (61627)	4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633)	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Alachlor, water, filtered, recoverable, µg/L (46342)	alpha-Endo-sulfan, water, filtered, recoverable, µg/L (34362)	Atrazine, water, filtered, recoverable, µg/L (39632)
10-26-2011	1100	E .029	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	< .010
11-28-2011	1000	E .025	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	< .008
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	E .019	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.007
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	E .028	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.010
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	E .025	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.008
02-22-2012	1030	E .025	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.008
02-22-2012	1035	--	--	--	--	--	--	--	--	--
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	E .027	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.009
03-21-2012	1040	E .029	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.008
04-12-2012	*1000*	*< .006*	*< .010*	*< .0060*	*< .006*	*< .0080*	*< .010*	*< .008*	*< .006*	*< .008*
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	E .043	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.010
04-25-2012	1300	E .013	< .010	< .0060	< .006	< .0080	.022	< .008	< .006	.065
05-16-2012	1230	E .024	< .010	E .0033	< .006	< .0080	.014	< .008	< .006	.287
05-16-2012	*1231*	*E .023*	*< .010*	*E .0042*	*< .006*	*< .0080*	*.014*	*< .008*	*< .006*	*.291*
05-23-2012	1100	--	--	--	--	--	--	--	--	--
05-23-2012	1105	E .017	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.527
06-13-2012	0940	E .016	< .010	E .0031	< .006	< .0080	< .010	< .008	< .006	.030
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	E .017	< .010	E .0041	< .006	< .0080	< .010	< .008	< .006	.022
07-11-2012	1000	E .028	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.019
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	E .021	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.013
08-09-2012	1100	E .018	< .010	E .0042	< .006	< .0080	< .010	< .008	< .006	.013
08-20-2012	*1000*	--	--	--	--	--	--	--	--	--
08-20-2012	1030	--	--	--	--	--	--	--	--	--
09-05-2012	1000	E .019	< .010	< .0060	< .006	< .0080	< .010	< .008	< .006	.012

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

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WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82674)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)
10-26-2011	1100	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
11-28-2011	1000	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
11-28-2011	*1001*	--	--	--	--	--	--	--	--
12-14-2011	1140	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
12-14-2011	1145	--	--	--	--	--	--	--	--
01-25-2012	1040	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
01-25-2012	1045	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--
02-09-2012	1140	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
02-22-2012	1030	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
02-22-2012	1035	--	--	--	--	--	--	--	--
03-05-2012	1040	--	--	--	--	--	--	--	--
03-05-2012	1045	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
03-21-2012	1040	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
04-12-2012	*1000*	*< .042*	*< .120*	*< .014*	*< .060*	*< .060*	*< .08*	*< .0036*	*< .010*
04-12-2012	1040	--	--	--	--	--	--	--	--
04-12-2012	1045	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
04-25-2012	1300	< .042	< .120	< .014	E .004	< .060	< .08	< .0036	< .010
05-16-2012	1230	< .042	< .120	< .014	E .010	< .060	< .08	< .0036	< .010
05-16-2012	*1231*	*< .042*	*< .120*	*< .014*	*E .011*	*< .060*	*< .08*	*< .0036*	*< .010*
05-23-2012	1100	--	--	--	--	--	--	--	--
05-23-2012	1105	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
06-13-2012	0940	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
06-27-2012	1130	--	--	--	--	--	--	--	--
06-27-2012	1135	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
07-11-2012	1000	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
07-26-2012	*1000*	--	--	--	--	--	--	--	--
07-26-2012	1100	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
08-09-2012	1100	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010
08-20-2012	*1000*	--	--	--	--	--	--	--	--
08-20-2012	1030	--	--	--	--	--	--	--	--
09-05-2012	1000	< .042	< .120	< .014	< .060	< .060	< .08	< .0036	< .010

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	cis-Propiconazole, water, filtered, recoverable, µg/L (79846)	Cyanazine, water, filtered, recoverable, µg/L (04041)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinylfipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinylfipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)	Dichlorvos, water, filtered, recoverable, µg/L (38775)
10-26-2011	1100	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
11-28-2011	1000	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
02-22-2012	1030	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
02-22-2012	1035	--	--	--	--	--	--	--	--	--
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
03-21-2012	1040	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
04-12-2012	*1000*	*< .008*	*< .022*	*< .016*	*< .020*	*< .0076*	*< .029*	*< .012*	*< .0060*	*< .04*
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	< .008	< .022	< .016	< .020	< .0076	< .029	.005	< .0060	< .04
04-25-2012	1300	< .008	< .022	< .042	< .039	.0018	< .029	< .012	< .0060	< .04
05-16-2012	1230	< .008	< .022	< .016	< .020	.0019	< .029	< .012	< .0060	< .04
05-16-2012	*1231*	*< .008*	*< .022*	*< .016*	*< .020*	*.0020*	*< .029*	*< .012*	*< .0060*	*< .04*
05-23-2012	1100	--	--	--	--	--	--	--	--	--
05-23-2012	1105	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
06-13-2012	0940	< .008	< .022	< .016	< .020	.0016	< .029	< .012	< .0060	< .04
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	< .008	< .022	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04
07-11-2012	1000	< .008	< .022	< .016	< .020	.0016	< .029	E .003	< .0060	< .04
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	< .008	< .022	< .016	< .020	.0020	< .029	.003	< .0060	< .04
08-09-2012	1100	< .008	< .022	< .016	< .020	.0011	< .029	.002	< .0060	< .04
08-20-2012	*1000*	--	--	--	--	--	--	--	--	--
08-20-2012	1030	--	--	--	--	--	--	--	--	--
09-05-2012	1000	< .008	< .022	< .016	< .020	.0015	< .029	.003	< .0060	< .04

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Dicrotophos, water, filtered, recoverable, µg/L (38454)	Dieldrin, water, filtered, recoverable, µg/L (39381)	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82662)	Disulfoton sulfone, water, filtered, recoverable, µg/L (61640)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82677)	Endosulfan sulfate, water, filtered, recoverable, µg/L (61590)	EPTC, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82668)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)	Ethion, water, filtered, recoverable, µg/L (82346)
10-26-2011	1100	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
11-28-2011	1000	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
02-22-2012	1030	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
02-22-2012	1035	--	--	--	--	--	--	--	--	--
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
03-21-2012	1040	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
04-12-2012	*1000*	*< .08*	*< .008*	*< .0100*	*< .014*	*< .040*	*< .016*	*< .0056*	*< .021*	*< .010*
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
04-25-2012	1300	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
05-16-2012	1230	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
05-16-2012	*1231*	*< .08*	*< .008*	*< .0100*	*< .014*	*< .040*	*< .016*	*< .0056*	*< .021*	*< .010*
05-23-2012	1100	--	--	--	--	--	--	--	--	--
05-23-2012	1105	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
06-13-2012	0940	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
07-11-2012	1000	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
08-09-2012	1100	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010
08-20-2012	*1000*	--	--	--	--	--	--	--	--	--
08-20-2012	1030	--	--	--	--	--	--	--	--	--
09-05-2012	1000	< .08	< .008	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Ethoprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82672)	Fenamiphos sulfone, water, filtered, recoverable, µg/L (61645)	Fenamiphos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenamiphos, water, filtered, recoverable, µg/L (61591)	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Fonofos, water, filtered, recoverable, µg/L (04095)	Hexazinone, water, filtered, recoverable, µg/L (04025)
10-26-2011	1100	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
11-28-2011	1000	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	< .016	< .054	< .08	< .030	< .012	< .024	E .006	< .0048	< .012
02-22-2012	1030	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
02-22-2012	1035	--	--	--	--	--	--	--	--	--
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
03-21-2012	1040	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
04-12-2012	*1000*	*< .016*	*< .054*	*< .08*	*< .030*	*< .012*	*< .024*	*< .018*	*< .0048*	*< .012*
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
04-25-2012	1300	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
05-16-2012	1230	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	.004
05-16-2012	*1231*	*< .016*	*< .054*	*< .08*	*< .030*	*< .012*	*< .024*	*< .018*	*< .0048*	*.005*
05-23-2012	1100	--	--	--	--	--	--	--	--	--
05-23-2012	1105	< .016	< .054	< .08	< .030	< .012	< .024	E .003	< .0048	< .012
06-13-2012	0940	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
07-11-2012	1000	< .016	< .054	< .08	< .030	< .012	< .024	E .002	< .0048	< .012
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	< .016	< .054	< .08	< .030	< .012	< .024	< .018	< .0048	< .012
08-09-2012	1100	< .016	< .054	< .08	< .030	.003	< .024	E .002	< .0048	< .012
08-20-2012	*1000*	--	--	--	--	--	--	--	--	--
08-20-2012	1030	--	--	--	--	--	--	--	--	--
09-05-2012	1000	< .016	< .054	< .08	< .030	< .012	< .024	E .004	< .0048	< .012

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	lambda-Cyhalothrin, water, filtered, recoverable, µg/L (61595)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl paraoxon, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)
10-26-2011	1100	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
11-28-2011	1000	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
02-22-2012	1030	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
02-22-2012	1035	--	--	--	--	--	--	--	--	--
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
03-21-2012	1040	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
04-12-2012	*1000*	*< .014*	*< .008*	*< .010*	*< .022*	*< .016*	*< .014*	*< .012*	*< .014*	*< .008*
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
04-25-2012	1300	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
05-16-2012	1230	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
05-16-2012	*1231*	*< .014*	*< .008*	*< .010*	*< .022*	*< .016*	*< .014*	*< .012*	*< .014*	*< .008*
05-23-2012	1100	--	--	--	--	--	--	--	--	--
05-23-2012	1105	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
06-13-2012	0940	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
07-11-2012	1000	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
08-09-2012	1100	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008
08-20-2012	*1000*	--	--	--	--	--	--	--	--	--
08-20-2012	1030	--	--	--	--	--	--	--	--	--
09-05-2012	1000	< .014	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Molinate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82671)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	Oxyfluorfen, water, filtered, recoverable, µg/L (61600)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)
10-26-2011	**1100**	0.009	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
11-28-2011	**1000**	.010	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
11-28-2011	***1001***	--	--	--	--	--	--	--	--	--
12-14-2011	**1140**	.008	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
12-14-2011	**1145**	--	--	--	--	--	--	--	--	--
01-25-2012	**1040**	.009	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
01-25-2012	**1045**	--	--	--	--	--	--	--	--	--
02-09-2012	**1130**	--	--	--	--	--	--	--	--	--
02-09-2012	**1140**	.009	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
02-22-2012	**1030**	.009	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
02-22-2012	**1035**	--	--	--	--	--	--	--	--	--
03-05-2012	**1040**	--	--	--	--	--	--	--	--	--
03-05-2012	**1045**	.008	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
03-21-2012	**1040**	E .004	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
04-12-2012	***1000***	*< .020*	*< .012*	*< .0040*	*< .010*	*< .010*	*< .012*	*< .027*	*< .020*	*< .0511*
04-12-2012	**1040**	--	--	--	--	--	--	--	--	--
04-12-2012	**1045**	.007	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
04-25-2012	**1300**	.032	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
05-16-2012	**1230**	.213	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
05-16-2012	***1231***	*.221*	*< .012*	*< .0040*	*< .010*	*< .010*	*< .012*	*< .027*	*< .020*	*< .0511*
05-23-2012	**1100**	--	--	--	--	--	--	--	--	--
05-23-2012	**1105**	.014	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
06-13-2012	**0940**	.016	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
06-27-2012	**1130**	--	--	--	--	--	--	--	--	--
06-27-2012	**1135**	.013	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
07-11-2012	**1000**	.010	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
07-26-2012	***1000***	--	--	--	--	--	--	--	--	--
07-26-2012	**1100**	.010	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
08-09-2012	**1100**	.009	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511
08-20-2012	***1000***	--	--	--	--	--	--	--	--	--
08-20-2012	**1030**	--	--	--	--	--	--	--	--	--
09-05-2012	**1000**	.008	< .012	< .0040	< .010	< .010	< .012	< .027	< .020	< .0511

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WATER-QUALITY DATA
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[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propanil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82685)	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Tefluthrin, water, filtered, recoverable, µg/L (61606)
10-26-2011	1100	< .080	< .012	< .010	< .010	< .020	< .0036	0.006	< .028	< .014
11-28-2011	1000	< .080	< .012	< .010	< .010	< .020	< .0036	.008	< .028	< .014
11-28-2011	*1001*	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .080	< .012	< .010	< .010	< .020	< .0036	.005	< .028	< .014
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	< .080	< .012	< .010	< .010	< .020	< .0036	.006	< .028	< .014
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	< .080	< .012	< .010	< .010	< .020	< .0036	.006	< .028	< .014
02-22-2012	1030	< .080	< .012	< .010	< .010	< .020	< .0036	.006	< .028	< .014
02-22-2012	1035	--	--	--	--	--	--	--	--	--
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	< .080	< .012	< .010	< .010	< .020	< .0036	.006	< .028	< .014
03-21-2012	1040	< .080	< .012	< .010	< .010	< .020	< .0036	< .006	< .028	< .014
04-12-2012	*1000*	*< .080*	*< .012*	*< .010*	*< .010*	*< .020*	*< .0036*	*< .006*	*< .028*	*< .014*
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	< .080	.004	< .010	< .010	< .020	< .0036	.004	< .028	< .014
04-25-2012	1300	< .080	< .012	< .010	< .010	< .020	< .0036	.010	< .028	< .014
05-16-2012	1230	< .080	.008	< .010	< .010	< .020	< .0036	.007	< .028	< .014
05-16-2012	*1231*	*< .080*	*.009*	*< .010*	*< .010*	*< .020*	*< .0036*	*.007*	*< .028*	*< .014*
05-23-2012	1100	--	--	--	--	--	--	--	--	--
05-23-2012	1105	< .080	.004	< .010	< .010	< .020	< .0036	.006	< .028	< .014
06-13-2012	0940	< .080	< .012	< .010	< .010	< .020	< .0036	.008	< .028	< .014
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	< .080	.007	< .010	< .010	< .020	< .0036	.006	< .028	< .014
07-11-2012	1000	< .080	.007	< .010	< .010	< .020	< .0036	.007	< .028	< .014
07-26-2012	*1000*	--	--	--	--	--	--	--	--	--
07-26-2012	1100	< .080	.008	< .010	< .010	< .020	< .0036	.006	< .028	< .014
08-09-2012	1100	< .080	.007	< .010	< .010	< .020	< .0036	.005	< .028	< .014
08-20-2012	*1000*	--	--	--	--	--	--	--	--	--
08-20-2012	1030	--	--	--	--	--	--	--	--	--
09-05-2012	1000	< .080	.006	< .010	< .010	< .020	< .0036	.008	< .028	< .014

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 19 of 20

[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbuthylazine, water, filtered, recoverable, µg/L (04022)	Thiobencarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82681)	trans-Propiconazole, water, filtered, recoverable, µg/L (79847)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	Organic carbon, suspended sediment, total, mg/L (00689)	Organic carbon, water, filtered, mg/L (00681)
10-26-2011	**1100**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	0.14	2.76
11-28-2011	**1000**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
11-28-2011	***1001***	--	--	--	--	--	--	--	--	--
12-14-2011	**1140**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	.21	2.22
12-14-2011	**1145**	--	--	--	--	--	--	--	--	--
01-25-2012	**1040**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	.64	1.96
01-25-2012	**1045**	--	--	--	--	--	--	--	--	--
02-09-2012	**1130**	--	--	--	--	--	--	--	.21	1.61
02-09-2012	**1140**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
02-22-2012	**1030**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	.30	1.48
02-22-2012	**1035**	--	--	--	--	--	--	--	--	--
03-05-2012	**1040**	--	--	--	--	--	--	--	.60	1.81
03-05-2012	**1045**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
03-21-2012	**1040**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	1.49	1.91
04-12-2012	***1000***	*< .045*	*< .018*	*< .008*	*< .016*	*< .018*	*< .018*	*< .018*	*< .10*	*.62*
04-12-2012	**1040**	--	--	--	--	--	--	--	.27	1.83
04-12-2012	**1045**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
04-25-2012	**1300**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	2.09	2.90
05-16-2012	**1230**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
05-16-2012	***1231***	*< .045*	*< .018*	*< .008*	*< .016*	*< .018*	*< .018*	*< .018*	--	--
05-23-2012	**1100**	--	--	--	--	--	--	--	.60	2.13
05-23-2012	**1105**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
06-13-2012	**0940**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
06-27-2012	**1130**	--	--	--	--	--	--	--	.74	2.28
06-27-2012	**1135**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
07-11-2012	**1000**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
07-26-2012	***1000***	--	--	--	--	--	--	--	--	--
07-26-2012	**1100**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
08-09-2012	**1100**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--
08-20-2012	***1000***	--	--	--	--	--	--	--	--	--
08-20-2012	**1030**	--	--	--	--	--	--	--	.52	2.43
09-05-2012	**1000**	< .045	< .018	< .008	< .016	< .018	< .018	< .018	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 20 of 20

[%, percent; $CaCO_3$, calcium carbonate; MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; cm, centimeter; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; R, radchem non-detect, below ssLc]

Date	Sample start time	Specific UV Absorbance, 254 nm, water, filtered, 1 cm path length, calculated, liter per (milligram of dissolved organic carbon * meter) (63162)	Gross alpha radioactivity, 30-day count, water, filtered, Th-230 curve, picocuries per liter (62639)	Gross alpha radioactivity, 72-hour count, water, filtered, Th-230 curve, picocuries per liter (62636)	Gross beta radioactivity, 30-day count, water, filtered, Cs-137 curve, picocuries per liter (62645)	Gross beta radioactivity, 72-hour count, water, filtered, Cs-137 curve, picocuries per liter (62642)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concen-tration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
10-26-2011	1100	3.5	--	--	--	--	69	3	110
11-28-2011	1000	--	--	--	--	--	--	5	290
11-28-2011	*1001*	--	--	--	--	--	--	*5*	--
12-14-2011	1140	3.6	R .5	R .1	1.1	1.2	55	4	259
12-14-2011	1145	--	--	--	--	--	--	--	--
01-25-2012	1040	3.2	--	--	--	--	8	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--
02-09-2012	1130	3.0	--	--	--	--	100	1	23
02-09-2012	1140	--	--	--	--	--	--	--	--
02-22-2012	1030	3.1	--	--	--	--	100	< .5	< 11
02-22-2012	1035	--	R -.1	R .3	R .5	1.2	--	--	--
03-05-2012	1040	3.0	--	--	--	--	100	2	56
03-05-2012	1045	--	--	--	--	--	--	--	--
03-21-2012	1040	2.7	--	--	--	--	100	3	64
04-12-2012	*1000*	*< .8*	--	--	--	--	--	--	--
04-12-2012	1040	2.4	--	--	--	--	63	2	23
04-12-2012	1045	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	77	30	1,350
05-16-2012	1230	--	--	--	--	--	--	45	2,830
05-16-2012	*1231*	--	--	--	--	--	--	--	--
05-23-2012	1100	3.7	.6	.5	R .1	.8	72	9	318
05-23-2012	1105	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	5	132
06-27-2012	1130	2.8	--	--	--	--	80	5	66
06-27-2012	1135	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	5	49
07-26-2012	*1000*	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	3	32
08-09-2012	1100	--	--	--	--	--	--	3	32
08-20-2012	*1000*	--	--	--	--	--	--	--	--
08-20-2012	1030	3.1	R .1	.9	1.4	2.0	79	3	36
09-05-2012	1000	--	--	--	--	--	--	6	67

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 1 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	1,2,3-Trichloropropane, water, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, µg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, µg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, µg/L (34541)	1,3-Dichloropropane, water, unfiltered, recoverable, µg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)	3-Chloropropene, water, unfiltered, recoverable, µg/L (78109)	Acrylonitrile, water, unfiltered, recoverable, µg/L (34215)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .120	< .400	< .028	< .08	< .0260	< .06	< .026	< .08	< .48
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	< .120	< .400	< .028	< .08	< .0260	< .06	< .026	< .08	< .48
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .120	< .400	< .028	< .08	< .0260	< .06	< .026	< .08	< .48
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	< .120	< .400	< .028	< .08	< .0260	< .06	< .026	< .08	< .48
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 2 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	Bromomethane, water, unfiltered, recoverable, µg/L (34413)	Carbon disulfide, water, unfiltered, µg/L (77041)	cis-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34704)	Iodomethane, water, unfiltered, recoverable, µg/L (77424)	trans-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34699)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, µg/L (77562)	1,1,1-Trichloroethane, water, unfiltered, recoverable, µg/L (34506)	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, µg/L (34516)	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, µg/L (77652)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .2	< .1	< .10	< .26	< .14	< .040	< .030	< .14	< .022
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	< .2	< .1	< .10	< .26	< .14	< .040	< .030	< .14	< .022
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .2	< .1	< .10	< .26	< .14	< .040	< .030	< .14	< .022
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	< .2	< .1	< .10	< .26	< .14	< .040	< .030	< .14	< .022
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 3 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	1,1,2-Trichloroethane, water, unfiltered, recoverable, µg/L (34511)	1,1-Dichloroethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Dichloroethene, water, unfiltered, recoverable, µg/L (34501)	1,1-Dichloropropene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, µg/L (49999)	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, µg/L (34551)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .046	< .044	< .022	< .040	< .10	< .080	< .06	< .060	< .08
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	< .046	< .044	< .022	< .040	< .10	< .080	< .06	< .060	< .08
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .046	< .044	< .022	< .040	< .10	< .080	< .06	< .060	< .08
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	< .046	< .044	< .022	< .040	< .10	< .080	< .06	< .060	< .08
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 4 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77222)	1,2-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34536)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34566)	2,2-Dichloropropane, water, unfiltered, recoverable, µg/L (77170)	2-Chlorotoluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyltoluene, water, unfiltered, recoverable, µg/L (77220)	4-Chlorotoluene, water, unfiltered, recoverable, µg/L (77277)	4-Isopropyltoluene, water, unfiltered, recoverable, µg/L (77356)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .032	< .028	< .032	< .024	< .06	< .028	< .032	< .042	< .06
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	< .032	< .028	< .032	< .024	< .06	< .028	< .032	< .042	< .06
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .032	< .028	< .032	< .024	< .06	< .028	< .032	< .042	< .06
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	.020	< .028	< .032	< .024	< .06	< .028	< .032	< .042	< .06
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 5 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	Acetone, water, unfiltered, recoverable, µg/L (81552)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Bromobenzene, water, unfiltered, recoverable, µg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, µg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, µg/L (32101)	Bromoethene, water, unfiltered, recoverable, µg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, µg/L (34301)	Chloroethane, water, unfiltered, recoverable, µg/L (34311)	Chloromethane, water, unfiltered, recoverable, µg/L (34418)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< 3.4	.014	< .022	< .06	< .034	< .12	< .026	< .06	< .1
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	.8	< .026	< .022	< .06	< .034	< .12	< .026	< .06	< .1
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< 3.4	< .026	< .022	< .06	< .034	< .12	< .026	< .06	< .1
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	< 3.4	.028	< .022	< .06	< .034	< .12	< .026	< .06	< .1
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 6 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	cis-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (77093)	Dibromochloromethane, water, unfiltered, recoverable, µg/L (32105)	Dibromomethane, water, unfiltered, recoverable, µg/L (30217)	Dichlorodifluoromethane, water, unfiltered, recoverable, µg/L (34668)	Dichloromethane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)	Diisopropyl ether, water, unfiltered, recoverable, µg/L (81577)	Ethyl methacrylate, water, unfiltered, recoverable, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, µg/L (81595)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .022	< .12	< .050	< .10	< .04	< .1	< .06	< .20	< 1.6
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	< .022	< .12	< .050	< .10	< .04	< .1	< .06	< .20	< 1.6
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .022	< .12	< .050	< .10	< .04	< .1	< .06	< .20	< 1.6
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	< .022	< .12	< .050	< .10	< .04	< .1	< .06	< .20	< 1.6
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 7 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	Ethylbenzene, water, unfiltered, recoverable, µg/L (34371)	Hexachlorobutadiene, water, unfiltered, recoverable, µg/L (39702)	Hexachloroethane, water, unfiltered, recoverable, µg/L (34396)	Isobutyl methyl ketone, water, unfiltered, recoverable, µg/L (78133)	Isopropylbenzene, water, unfiltered, recoverable, µg/L (77223)	Methyl acrylate, water, unfiltered, recoverable, µg/L (49991)	Methyl acrylonitrile, water, unfiltered, recoverable, µg/L (81593)	Methyl methacrylate, water, unfiltered, recoverable, µg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recoverable, µg/L (78032)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .036	< .08	< .10	< .32	< .042	< .8	< .26	< .22	< .10
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	< .036	< .08	< .10	< .32	< .042	< .8	< .26	< .22	< .10
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .036	< .08	< .10	< .32	< .042	< .8	< .26	< .22	< .10
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	.015	< .08	< .10	< .32	< .042	< .8	< .26	< .22	< .10
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 8 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	Methyl tert-pentyl ether, water, unfiltered, recoverable, µg/L (50005)	m-Xylene plus p-xylene, water, unfiltered, recoverable, µg/L (85795)	Naphthalene, water, unfiltered, recoverable, µg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, µg/L (77103)	n-Butylbenzene, water, unfiltered, recoverable, µg/L (77342)	n-Propylbenzene, water, unfiltered, recoverable, µg/L (77224)	o-Xylene, water, unfiltered, recoverable, µg/L (77135)	sec-Butylbenzene, water, unfiltered, recoverable, µg/L (77350)	Styrene, water, unfiltered, recoverable, µg/L (77128)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .06	< .08	< .18	< .4	< .08	< .036	< .032	< .034	< .042
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	< .06	< .08	< .18	< .4	< .08	< .036	< .032	< .034	< .042
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .06	< .08	< .18	< .4	< .08	< .036	< .032	< .034	< .042
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	< .06	.06	< .18	< .4	< .08	< .036	.026	< .034	< .042
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 9 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	tert-Butyl ethyl ether, water, unfiltered, recoverable, µg/L (50004)	tert-Butylbenzene, water, unfiltered, recoverable, µg/L (77353)	Tetrachloroethene, water, unfiltered, recoverable, µg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, µg/L (32102)	Tetrahydrofuran, water, unfiltered, recoverable, µg/L (81607)	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)	Tribromomethane, water, unfiltered, recoverable, µg/L (32104)
10-26-2011	1100	--	--	--	--	--	--	--	--	--
11-28-2011	1000	--	--	--	--	--	--	--	--	--
12-14-2011	1140	< .032	< .060	< .026	< .06	< 1.4	< .02	< .018	< 2.0	< .10
12-14-2011	1145	--	--	--	--	--	--	--	--	--
01-25-2012	1040	--	--	--	--	--	--	--	--	--
01-25-2012	1045	--	--	--	--	--	--	--	--	--
02-09-2012	1130	--	--	--	--	--	--	--	--	--
02-09-2012	1140	--	--	--	--	--	--	--	--	--
02-22-2012	1030	--	--	--	--	--	--	--	--	--
02-22-2012	1035	< .032	< .060	< .026	< .06	< 1.4	< .02	< .018	< 2.0	< .10
03-05-2012	1040	--	--	--	--	--	--	--	--	--
03-05-2012	1045	--	--	--	--	--	--	--	--	--
03-21-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1040	--	--	--	--	--	--	--	--	--
04-12-2012	1045	--	--	--	--	--	--	--	--	--
04-25-2012	1300	--	--	--	--	--	--	--	--	--
05-16-2012	1230	--	--	--	--	--	--	--	--	--
05-23-2012	1100	< .032	< .060	< .026	< .06	< 1.4	.03	< .018	< 2.0	< .10
05-23-2012	1105	--	--	--	--	--	--	--	--	--
06-13-2012	0940	--	--	--	--	--	--	--	--	--
06-27-2012	1130	--	--	--	--	--	--	--	--	--
06-27-2012	1135	--	--	--	--	--	--	--	--	--
07-11-2012	1000	--	--	--	--	--	--	--	--	--
07-26-2012	1100	--	--	--	--	--	--	--	--	--
08-09-2012	1100	--	--	--	--	--	--	--	--	--
08-20-2012	1030	< .032	< .060	< .026	< .06	< 1.4	.09	< .018	< 2.0	< .10
09-05-2012	1000	--	--	--	--	--	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 10 of 10
[µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	Trichloro-ethene, water, unfiltered, recover-able, µg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recover-able, µg/L (34488)	Trichloro-methane, water, unfiltered, recover-able, µg/L (32106)	Vinyl chloride, water, unfiltered, recover-able, µg/L (39175)
10-26-2011	1100	--	--	--	--
11-28-2011	1000	--	--	--	--
12-14-2011	1140	< .022	< .06	< .03	< .06
12-14-2011	1145	--	--	--	--
01-25-2012	1040	--	--	--	--
01-25-2012	1045	--	--	--	--
02-09-2012	1130	--	--	--	--
02-09-2012	1140	--	--	--	--
02-22-2012	1030	--	--	--	--
02-22-2012	1035	< .022	< .06	< .03	< .06
03-05-2012	1040	--	--	--	--
03-05-2012	1045	--	--	--	--
03-21-2012	1040	--	--	--	--
04-12-2012	1040	--	--	--	--
04-12-2012	1045	--	--	--	--
04-25-2012	1300	--	--	--	--
05-16-2012	1230	--	--	--	--
05-23-2012	1100	< .022	< .06	.01	< .06
05-23-2012	1105	--	--	--	--
06-13-2012	0940	--	--	--	--
06-27-2012	1130	--	--	--	--
06-27-2012	1135	--	--	--	--
07-11-2012	1000	--	--	--	--
07-26-2012	1100	--	--	--	--
08-09-2012	1100	--	--	--	--
08-20-2012	1030	< .022	< .06	.02	< .06
09-05-2012	1000	--	--	--	--

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	---	---	---	12.8	12.3	12.5	11.7	11.2	11.5	13.6	13.3	13.6
2	---	---	---	12.9	12.2	12.5	12.0	11.7	11.8	13.4	13.2	13.3
3	10.2	9.8	10.0	12.9	12.2	12.5	12.4	12.0	12.2	13.7	13.3	13.5
4	10.3	10.2	10.3	12.9	12.0	12.4	12.6	12.3	12.5	14.2	13.7	14.0
5	10.4	10.3	10.4	13.2	12.0	12.5	12.7	12.4	12.5	14.4	14.1	14.2
6	10.4	10.3	10.3	13.6	12.2	12.8	12.4	11.9	12.2	14.4	14.3	14.4
7	10.5	10.3	10.4	13.7	12.2	12.9	11.9	11.4	11.6	14.3	14.1	14.3
8	10.6	10.4	10.6	13.9	12.3	13.0	11.8	11.3	11.5	14.1	14.0	14.1
9	10.6	10.3	10.5	14.0	12.1	12.9	12.1	11.8	12.0	14.1	13.9	14.0
10	10.4	10.2	10.3	13.4	11.8	12.5	12.6	12.1	12.4	13.9	13.8	13.8
11	10.3	10.1	10.2	13.5	11.5	12.5	13.0	12.6	12.9	14.0	13.7	13.9
12	10.2	10.0	10.1	14.1	11.9	12.9	13.3	13.0	13.2	13.8	13.2	13.4
13	10.1	9.9	10.0	14.2	12.0	13.0	13.5	13.3	13.4	13.4	13.1	13.2
14	10.0	9.9	9.9	14.4	12.0	13.0	13.5	13.3	13.4	13.9	13.4	13.6
15	10.1	9.9	10	12.8	11.7	12.2	13.3	12.8	13.1	14.6	13.9	14.3
16	10.3	10.0	10.2	11.9	11.4	11.7	12.8	12.6	12.7	15.0	14.6	14.8
17	10.4	10.3	10.3	11.6	11.1	11.4	12.7	12.5	12.6	14.8	14.4	14.7
18	10.6	10.4	10.5	13.2	11.5	12.2	13.0	12.6	12.9	14.5	14.3	14.4
19	10.5	10.3	10.4	13.8	12.0	12.8	13.3	13.0	13.2	14.7	14.4	14.6
20	10.3	10.2	10.2	13.8	12.2	12.9	13.2	13.1	13.1	14.7	14.4	14.5
21	10.6	10.3	10.5	13.6	12.0	12.6	13.1	12.8	13.0	14.8	14.5	14.6
22	10.9	10.6	10.8	12.4	11.8	12.1	13.2	12.7	13.0	15.2	14.8	15.0
23	11.2	10.8	11.0	11.8	11.2	11.4	13.0	12.7	12.8	15.1	14.6	14.9
24	11.3	10.9	11.1	11.9	11.4	11.6	13.1	12.8	12.9	14.6	14.2	14.4
25	11.4	10.9	11.1	12.0	11.9	12.0	13.4	13.1	13.3	14.2	14.0	14.1
26	11.4	10.9	11.1	12.1	11.9	12.0	13.5	13.2	13.3	14.0	13.8	13.9
27	11.1	10.8	10.9	12.3	12.0	12.1	13.6	13.3	13.5	13.8	13.5	13.6
28	12.0	10.9	11.4	12.3	11.9	12.1	13.3	13.1	13.2	13.7	13.5	13.6
29	11.8	11.3	11.5	11.9	11.5	11.7	13.7	13.3	13.5	13.9	13.6	13.8
30	12.7	11.8	12.2	11.5	11.2	11.3	13.8	13.7	13.8	14.1	13.9	14.0
31	12.8	12.2	12.5	---	---	---	13.8	13.6	13.8	14.2	14.0	14.1
Month	---	---	---	14.4	11.1	12.3	13.8	11.2	12.8	15.2	13.1	14.1

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	14.0	13.6	13.9	14.6	12.8	13.5	11.7	10.7	11.1	---	---	---
2	13.7	13.6	13.6	15.1	13.0	13.9	11.8	10.8	11.3	11.7	10.6	11.1
3	13.8	13.6	13.7	15.4	13.1	14.0	12.2	11.0	11.6	12.6	10.4	11.4
4	13.9	13.6	13.7	15.6	13.0	14.2	12.0	10.8	11.4	12.9	10.5	11.5
5	13.9	13.6	13.7	16.2	13.2	14.5	12.2	10.7	11.5	12.2	10.0	10.9
6	14.0	13.6	13.8	16.6	13.5	14.9	12.5	10.8	11.7	11.3	9.6	10.4
7	14.0	13.6	13.8	16.8	13.6	15.1	13.0	11.0	12.0	11.4	9.2	10.2
8	14.0	13.6	13.8	16.6	13.2	14.6	13.5	11.0	12.2	11.0	9.1	10
9	14.1	13.6	13.9	16.2	12.3	14.1	13.7	10.9	12.3	10.3	8.9	9.5
10	14.2	13.7	13.9	16.7	12.6	14.5	14.6	11.0	12.8	9.8	8.9	9.5
11	14.0	13.5	13.7	16.1	12.8	14.2	15.5	11.4	13.4	10.0	9.2	9.6
12	14.4	13.6	14.0	16.0	12.6	14.1	15.6	11.7	13.7	10.3	9.3	9.7
13	14.6	14.0	14.3	15.6	12.4	13.9	16.7	11.9	14.3	10.1	9.3	9.7
14	14.7	14.0	14.3	16.4	12.1	14.0	17.1	12.1	14.7	9.4	8.9	9.2
15	14.4	13.8	14.1	15.6	11.8	13.4	16.8	11.5	14.2	9.6	8.9	9.2
16	14.4	13.8	14.1	14.2	11.6	12.7	16.7	11.2	14.1	9.2	8.8	9.0
17	14.5	13.7	14.0	15.9	11.6	13.3	15.7	10.4	13.3	9.5	8.6	9.1
18	14.6	13.6	14.0	14.7	11.3	12.7	13.5	9.9	11.9	9.5	9.3	9.4
19	14.7	13.4	14.0	15.6	11.1	13.0	14.6	9.7	12.1	9.5	9.3	9.4
20	14.8	13.5	14.1	13.9	10.7	12.2	13.6	9.6	11.7	9.6	9.1	9.4
21	15.0	13.6	14.2	12.0	9.8	10.8	12.8	8.9	11.0	9.3	8.9	9.1
22	15.0	13.4	14.1	12.4	9.3	10.6	10.5	8.0	9.0	---	---	---
23	14.8	13.1	13.9	11.9	9.1	10.4	9.6	8.6	9.1	9.6	9.0	9.3
24	13.5	12.7	13.1	10.5	8.9	9.7	10.6	9.4	10.0	9.2	8.7	9.0
25	14.9	12.6	13.6	10.4	8.9	9.6	11.0	10.1	10.5	9.2	8.7	8.9
26	15.6	13.2	14.3	11.0	9.2	10.1	10.9	10.3	10.6	9.3	8.6	8.9
27	15.9	13.6	14.6	11.6	10.0	10.8	11.5	10.4	10.9	8.9	8.5	8.7
28	16.2	13.4	14.7	11.3	10.3	10.8	12.1	10.9	11.5	8.6	8.2	8.4
29	14.4	13.2	13.8	11.2	10.1	10.7	12.4	11.0	11.7	---	---	---
30	---	---	---	11.5	10.4	10.9	12.9	11.0	11.9	---	---	---
31	---	---	---	10.9	10.3	10.7	---	---	---	---	---	---
Month	16.2	12.6	14.0	16.8	8.9	12.6	17.1	8.0	11.9	---	---	---

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	---	---	---	10.8	7.1	8.9	8.5	7.6	8.0	10.2	7.6	8.7
2	---	---	---	11.1	7.1	9.0	9.1	7.5	8.2	8.9	7.4	8.2
3	---	---	---	11.0	7.1	9.1	9.1	7.5	8.3	8.5	7.6	8.0
4	---	---	---	10.6	6.8	8.7	9.2	7.4	8.3	9.0	7.8	8.3
5	9.5	9.0	9.3	10.9	6.5	8.7	9.3	7.4	8.3	8.9	7.8	8.3
6	9.8	9.3	9.5	---	---	---	9.4	7.3	8.3	8.3	8.1	8.2
7	9.8	9.3	9.5	---	---	---	9.6	7.5	8.5	8.8	8.1	8.4
8	9.8	9.1	9.4	---	---	---	9.7	7.6	8.7	8.8	8.1	8.4
9	9.7	8.8	9.3	---	---	---	9.7	7.6	8.5	9.1	8.1	8.6
10	9.9	8.8	9.3	10.5	7.1	8.6	8.9	7.2	8.0	9.4	8.3	8.9
11	9.9	8.5	9.2	11.3	7.3	9.1	9.4	7.5	8.4	10.1	8.8	9.4
12	9.2	8.4	8.8	11.7	7.5	9.4	9.7	7.4	8.5	10.2	9.0	9.6
13	9.6	8.4	9.0	10.5	7.4	8.9	9.9	7.5	8.7	10.4	9.0	9.6
14	9.6	8.4	8.9	9.9	7.1	8.5	9.1	7.6	8.3	10.5	8.9	9.7
15	9.6	8.4	9.0	9.7	7.4	8.5	9.8	7.8	8.8	10.4	8.9	9.7
16	10.0	8.5	9.2	10.3	7.2	8.7	10.2	7.7	8.9	10.8	9.1	9.9
17	10.0	8.4	9.1	10.4	7.2	8.7	10.6	7.7	9.1	11.0	9.3	10.1
18	10.5	8.5	9.5	---	---	---	9.9	7.6	8.8	10.1	9.0	9.5
19	10.5	8.7	9.6	8.6	6.8	7.7	9.9	7.6	8.7	9.1	8.8	9.0
20	10.9	8.6	9.7	8.2	7.3	7.7	10.7	8.0	9.2	9.6	9.1	9.4
21	---	---	---	9.6	7.7	8.6	11.0	8.0	9.5	9.6	9.4	9.6
22	---	---	---	9.7	7.9	8.8	11.0	7.9	9.4	9.8	9.4	9.6
23	10.6	7.4	9.0	9.8	7.9	8.8	11.0	7.8	9.4	9.6	9.4	9.5
24	10.5	7.4	9.0	9.8	7.6	8.6	11.2	7.7	9.4	10.0	9.6	9.8
25	9.9	7.1	8.5	9.9	7.5	8.7	10.2	7.6	9.0	10.0	9.7	9.8
26	10.4	7.6	9.0	9.8	7.7	8.6	10.7	7.7	9.1	9.9	9.5	9.7
27	10.7	7.8	9.3	9.7	7.4	8.5	9.6	7.6	8.6	9.9	9.3	9.6
28	10.7	7.9	9.4	8.9	7.3	8.2	9.9	7.4	8.6	9.9	9.3	9.6
29	10.7	7.5	9.1	8.3	7.2	7.8	10.2	7.4	8.7	9.9	9.2	9.5
30	10.7	7.3	9.0	9.2	7.5	8.3	10.4	7.6	8.9	10.1	9.5	9.8
31	---	---	---	9.2	7.6	8.4	10.3	7.7	8.9	---	---	---
Month	---	---	---	---	---	---	11.2	7.2	8.7	11.0	7.4	9.2

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	---	---	---	108	102	105	99	96	98	105	102	103
2	---	---	---	110	102	105	100	98	99	104	101	102
3	100	97	98	110	102	106	102	99	100	103	100	102
4	101	99	100	111	101	105	102	99	101	103	100	102
5	103	100	101	113	101	106	103	99	101	104	101	102
6	103	100	101	---	---	---	101	99	100	104	101	103
7	104	101	102	116	101	108	100	97	98	104	101	102
8	104	101	103	118	102	110	98	96	97	104	102	103
9	105	102	103	121	102	110	99	98	98	105	102	103
10	104	101	102	118	102	109	100	97	99	104	102	103
11	104	100	102	117	99	108	101	99	100	104	101	103
12	103	100	101	121	100	109	102	100	101	103	101	102
13	102	99	100	121	101	110	102	100	101	102	100	101
14	102	99	100	124	101	111	102	100	101	103	100	102
15	101	98	99	111	101	105	102	100	101	104	101	103
16	101	98	100	104	99	102	101	99	100	105	102	104
17	102	99	100	101	97	100	101	98	100	104	102	103
18	103	99	101	113	98	104	101	98	100	105	101	103
19	101	100	100	115	99	106	101	98	100	105	101	103
20	100	99	99	115	100	107	101	99	100	105	101	103
21	102	98	100	115	100	106	100	99	100	103	101	102
22	103	100	102	105	99	102	104	99	102	105	102	103
23	105	100	102	100	96	98	104	102	102	104	103	103
24	105	100	103	99	96	98	104	102	103	106	103	104
25	107	100	103	100	98	99	105	102	103	106	103	104
26	105	100	102	100	98	99	104	101	103	105	103	103
27	103	99	101	102	98	100	103	101	102	103	102	102
28	109	98	103	103	100	101	102	101	102	104	101	103
29	104	99	101	102	98	100	103	101	102	104	102	103
30	108	100	103	99	97	98	103	102	103	104	102	103
31	108	101	104	---	---	---	104	103	103	106	103	104
Month	---	---	---	---	---	---	105	96	101	106	100	103

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	106	103	104	116	101	107	106	94	99	---	---	---
2	105	103	104	119	102	109	108	96	102	113	102	106
3	106	103	104	123	103	110	112	97	104	122	99	109
4	106	102	104	124	102	112	113	98	105	130	101	113
5	106	102	104	128	102	114	116	98	107	124	100	110
6	107	102	104	131	104	115	119	98	108	117	97	106
7	107	102	104	135	105	118	123	99	111	118	93	104
8	106	102	104	139	106	120	130	99	114	113	92	102
9	108	102	105	137	104	119	132	100	116	106	91	97
10	108	102	105	139	103	120	139	101	119	101	91	97
11	106	102	104	135	104	117	146	103	124	102	92	97
12	106	100	103	134	103	117	145	105	126	105	93	98
13	109	102	105	134	103	117	160	106	133	106	95	100
14	110	103	106	145	103	121	168	111	139	99	93	96
15	108	103	105	138	103	118	171	109	140	101	92	95
16	108	103	105	126	102	113	179	111	145	97	91	94
17	113	103	107	146	102	120	171	107	141	98	88	93
18	114	103	108	136	102	116	140	101	122	98	95	96
19	114	103	108	148	101	121	155	97	124	100	96	98
20	115	103	108	135	102	117	147	97	123	102	96	99
21	117	104	110	118	95	106	141	93	118	98	95	96
22	119	103	111	125	91	105	114	84	94	---	---	---
23	121	104	111	121	90	104	91	84	88	106	96	100
24	109	102	106	103	89	96	101	88	94	101	94	98
25	119	99	108	100	86	92	104	93	98	102	94	97
26	123	102	112	106	87	96	100	94	98	104	94	98
27	127	105	115	107	89	98	107	95	101	100	94	97
28	131	105	117	105	92	99	112	98	104	98	93	95
29	114	104	109	105	92	99	118	100	108	---	---	---
30	---	---	---	108	93	100	123	102	112	---	---	---
31	---	---	---	100	93	97	---	---	---	---	---	---
Month	131	99	107	148	86	110	179	84	114	---	---	---

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	---	---	---	140	87	112	104	92	97	126	90	106
2	---	---	---	143	87	114	114	89	100	107	89	98
3	---	---	---	142	86	114	115	91	103	100	90	95
4	---	---	---	139	84	111	116	90	102	107	90	97
5	101	94	97	144	82	112	120	91	104	106	91	98
6	105	96	100	---	---	---	121	90	104	98	93	95
7	105	97	101	---	---	---	121	92	106	104	93	98
8	108	96	102	---	---	---	123	92	108	105	94	98
9	107	95	101	---	---	---	124	93	107	108	93	100
10	113	96	103	135	88	109	110	88	98	109	94	101
11	114	96	105	146	90	115	117	90	102	115	96	105
12	103	95	100	153	92	120	122	89	104	117	98	107
13	109	93	101	135	92	112	124	90	107	120	99	108
14	110	94	101	125	88	106	110	91	100	122	99	110
15	110	94	102	122	91	106	121	92	106	119	99	109
16	116	95	105	133	88	109	127	91	109	122	98	109
17	115	95	104	136	89	112	131	91	110	123	100	110
18	119	95	107	---	---	---	121	90	106	112	100	105
19	120	96	108	108	85	97	117	88	103	100	95	97
20	130	97	113	98	88	93	127	91	108	100	97	98
21	---	---	---	116	89	102	133	92	111	100	97	99
22	---	---	---	119	93	105	134	92	112	100	98	99
23	133	90	110	123	94	107	135	91	112	101	97	99
24	131	89	110	126	92	108	138	91	113	104	99	101
25	122	86	104	126	91	108	123	91	108	104	99	101
26	124	88	106	124	93	106	131	90	110	104	97	100
27	127	88	108	124	90	106	117	90	103	104	96	100
28	130	90	110	112	90	102	122	88	104	106	97	101
29	134	88	110	102	86	94	126	88	106	104	96	100
30	137	88	112	115	90	101	127	89	107	106	97	101
31	---	---	---	114	92	102	126	90	107	---	---	---
Month	---	---	---	---	---	---	138	88	106	126	89	102

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		October			November			December			January	
1	---	---	---	8.1	7.9	8.0	7.8	7.7	7.8	7.7	7.6	7.6
2	---	---	---	8.1	7.9	8.0	7.7	7.7	7.7	7.8	7.6	7.7
3	7.7	7.6	7.7	8.2	7.9	8.0	7.8	7.7	7.7	7.8	7.7	7.7
4	7.8	7.7	7.7	8.3	7.9	8.1	7.8	7.6	7.7	7.8	7.7	7.7
5	7.8	7.7	7.7	8.4	7.9	8.2	7.9	7.7	7.8	7.8	7.7	7.8
6	7.8	7.7	7.7	8.5	7.9	8.2	7.8	7.7	7.8	7.9	7.8	7.9
7	7.8	7.7	7.8	8.6	7.9	8.2	7.8	7.7	7.8	7.9	7.7	7.8
8	7.8	7.7	7.8	8.7	7.9	8.3	7.8	7.7	7.8	7.8	7.8	7.8
9	7.9	7.7	7.8	8.8	8.0	8.4	7.7	7.6	7.6	7.8	7.8	7.8
10	7.9	7.8	7.8	8.7	8.0	8.4	7.7	7.6	7.6	7.9	7.8	7.8
11	7.9	7.8	7.9	8.8	7.9	8.5	7.8	7.7	7.7	7.9	7.8	7.8
12	7.9	7.8	7.9	8.9	8.0	8.5	7.7	7.7	7.7	7.9	7.7	7.8
13	7.9	7.8	7.9	8.9	8.1	8.6	7.8	7.7	7.8	7.8	7.7	7.7
14	8.0	7.9	7.9	9.0	8.1	8.7	7.8	7.8	7.8	7.7	7.6	7.7
15	7.9	7.8	7.9	8.7	8.1	8.3	7.8	7.7	7.8	7.7	7.6	7.6
16	7.8	7.7	7.8	8.1	7.9	8.0	7.9	7.8	7.9	7.7	7.6	7.6
17	7.8	7.7	7.8	8.0	7.8	8.0	7.9	7.8	7.8	7.8	7.6	7.7
18	7.8	7.7	7.8	8.5	7.9	8.2	7.9	7.8	7.9	7.8	7.7	7.8
19	7.8	7.7	7.8	8.7	7.9	8.3	7.9	7.8	7.9	7.8	7.7	7.7
20	7.8	7.7	7.8	8.7	7.9	8.3	7.9	7.8	7.9	7.8	7.7	7.7
21	7.8	7.7	7.8	8.7	7.9	8.3	7.9	7.8	7.9	7.8	7.7	7.7
22	7.9	7.8	7.8	8.3	7.9	8.0	8.0	7.8	8.0	7.8	7.7	7.8
23	7.9	7.8	7.9	7.9	7.6	7.6	8.0	7.8	7.9	7.8	7.8	7.8
24	8.0	7.8	7.9	7.7	7.5	7.6	7.9	7.8	7.9	7.8	7.7	7.8
25	8.1	7.8	8.0	7.7	7.5	7.6	7.9	7.7	7.8	7.8	7.7	7.8
26	8.1	7.8	8.0	7.7	7.6	7.6	7.8	7.7	7.7	7.8	7.7	7.7
27	8.0	7.9	7.9	7.8	7.6	7.7	7.8	7.7	7.8	7.7	7.6	7.6
28	8.2	7.9	8.1	7.9	7.8	7.8	7.8	7.7	7.8	7.7	7.6	7.6
29	8.1	7.9	8.0	7.9	7.7	7.8	7.8	7.7	7.8	7.6	7.5	7.5
30	8.1	7.9	8.0	7.9	7.8	7.8	7.8	7.6	7.7	7.6	7.4	7.5
31	8.1	7.9	8.0	---	---	---	7.8	7.6	7.7	7.7	7.5	7.6
Max	---	---	---	9.0	8.1	8.7	8.0	7.8	8.0	7.9	7.8	7.9
Min	---	---	---	7.7	7.5	7.6	7.7	7.6	7.6	7.6	7.4	7.5

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		February			March			April			May	
1	7.7	7.6	7.6	8.8	8.0	8.2	8.2	7.9	8.0	---	---	---
2	7.7	7.6	7.7	8.8	8.0	8.4	8.3	8.0	8.1	9.0	8.4	8.8
3	7.7	7.7	7.7	9.1	8.1	8.4	8.5	8.0	8.2	9.1	8.2	8.6
4	7.8	7.6	7.7	9.2	8.2	8.7	8.6	8.0	8.3	9.2	8.4	8.7
5	7.8	7.7	7.8	9.3	8.4	8.9	8.8	8.1	8.4	9.1	8.4	8.7
6	7.8	7.7	7.8	9.3	8.3	8.9	9.0	8.1	8.6	8.8	8.1	8.5
7	7.9	7.8	7.8	9.4	8.3	9.0	9.2	8.3	8.8	8.8	7.9	8.1
8	7.9	7.8	7.8	9.4	8.4	9.0	9.3	8.4	8.9	8.6	7.8	8.0
9	8.0	7.7	7.8	9.4	8.4	9.0	9.4	8.6	9.1	8.2	7.7	7.9
10	8.0	7.8	7.9	9.5	8.7	9.2	9.6	8.7	9.2	7.9	7.6	7.8
11	8.0	7.8	7.9	9.4	8.4	9.1	9.7	8.9	9.4	7.7	7.5	7.6
12	8.1	7.8	7.9	9.4	8.2	9.0	9.7	9.1	9.5	7.7	7.5	7.6
13	8.1	7.9	8.0	9.4	8.2	9.0	9.8	9.1	9.6	7.8	7.5	7.6
14	8.1	7.9	8.0	9.6	8.4	9.0	10.0	9.3	9.7	7.7	7.6	7.6
15	8.1	7.9	8.0	9.5	8.7	9.2	10.0	9.3	9.7	7.8	7.5	7.6
16	8.1	7.8	7.9	9.3	8.7	9.0	10.1	9.4	9.8	7.6	7.3	7.5
17	8.3	7.9	8.0	9.6	8.5	9.1	10.1	9.5	9.8	7.3	7.1	7.2
18	8.4	8.0	8.1	9.4	8.7	9.1	9.9	9.4	9.7	7.3	7.2	7.2
19	8.5	8.0	8.2	9.6	8.5	9.2	9.9	9.2	9.6	7.4	7.3	7.3
20	8.6	8.1	8.3	9.4	8.9	9.1	9.9	9.2	9.6	7.5	7.3	7.3
21	8.7	8.1	8.3	9.0	8.2	8.6	9.7	9.2	9.6	7.4	7.4	7.4
22	8.8	8.1	8.5	9.0	7.9	8.2	9.5	8.8	9.2	---	---	---
23	9.0	8.2	8.6	8.9	7.9	8.2	8.8	7.8	7.9	7.7	7.4	7.6
24	8.6	8.1	8.3	8.3	7.8	8.0	8.0	7.8	7.9	7.6	7.4	7.5
25	9.0	8.0	8.5	8.1	7.7	7.8	8.0	7.8	7.9	7.6	7.4	7.5
26	9.0	8.3	8.6	8.4	7.7	8.0	7.9	7.7	7.8	7.6	7.5	7.5
27	9.1	8.3	8.7	8.3	7.8	8.0	8.3	7.8	7.9	7.6	7.4	7.5
28	9.2	8.4	8.8	8.2	7.9	8.0	8.4	7.9	8.1	7.4	7.3	7.3
29	8.7	8.1	8.6	8.2	7.8	8.0	8.9	8.1	8.4	7.7	7.3	7.4
30	---	---	---	8.3	7.8	8.0	9.2	8.5	8.8	---	---	---
31	---	---	---	8.0	7.9	8.0	---	---	---	---	---	---
Max	9.2	8.4	8.8	9.6	8.9	9.2	10.1	9.5	9.8	---	---	---
Min	7.7	7.6	7.6	8.0	7.7	7.8	7.9	7.7	7.8	---	---	---

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		June			July			August			September	
1	---	---	---	9.3	8.1	8.9	8.1	7.7	8.0	8.6	7.7	8.1
2	---	---	---	9.4	8.2	9.0	8.4	7.6	7.9	8.1	7.7	7.9
3	---	---	---	9.3	8.1	9.0	8.4	7.8	8.0	7.9	7.6	7.7
4	---	---	---	9.3	8.2	8.9	8.5	7.8	8.0	8.0	7.6	7.7
5	7.7	7.6	7.6	9.3	8.1	8.9	8.5	7.8	8.1	8.0	7.6	7.7
6	7.8	7.6	7.7	---	---	---	8.5	7.7	8.1	7.8	7.4	7.6
7	7.8	7.6	7.8	---	---	---	8.5	7.8	8.2	7.6	7.4	7.5
8	8.1	7.7	7.8	---	---	---	8.6	7.8	8.3	7.8	7.5	7.6
9	8.1	7.7	7.9	---	---	---	8.7	7.9	8.2	7.9	7.6	7.7
10	8.3	7.8	7.9	9.2	8.3	8.8	8.3	7.7	8.0	8.0	7.6	7.8
11	8.5	7.9	8.2	9.5	8.4	8.9	8.3	7.6	8.0	8.3	7.7	8.0
12	8.2	7.9	8.1	9.5	8.6	9.2	8.5	7.7	8.0	8.4	7.8	8.0
13	8.3	7.8	8.0	9.3	8.6	9.1	8.6	7.7	8.2	8.5	7.7	8.0
14	8.2	7.8	7.9	9.1	8.3	8.9	8.3	7.7	8.0	8.6	7.8	8.2
15	8.3	7.8	8.1	9.1	8.3	8.8	8.5	7.7	8.0	8.6	7.9	8.3
16	8.6	7.8	8.1	9.2	8.1	8.7	8.7	7.7	8.2	8.7	7.9	8.3
17	8.6	8.0	8.2	9.2	8.2	8.8	8.6	7.8	8.2	8.7	8.0	8.4
18	8.8	8.0	8.5	---	---	---	8.4	7.6	8.1	8.5	8.0	8.3
19	8.8	8.2	8.6	8.7	8.0	8.4	8.4	7.5	7.9	8.1	7.4	7.7
20	9.0	8.2	8.7	8.3	8.0	8.0	8.6	7.6	8.1	7.4	7.2	7.4
21	---	---	---	8.7	7.8	8.2	8.8	7.7	8.2	7.3	7.1	7.2
22	---	---	---	8.8	8.1	8.4	8.8	7.7	8.4	7.3	7.2	7.2
23	9.3	8.2	8.8	8.8	8.1	8.5	8.9	7.8	8.4	7.4	7.2	7.3
24	9.2	8.2	8.9	9.0	8.1	8.6	8.9	7.8	8.4	7.6	7.4	7.5
25	9.0	8.1	8.7	8.9	8.1	8.7	8.7	7.8	8.4	7.6	7.4	7.5
26	9.1	8.1	8.7	8.9	8.1	8.5	8.8	7.8	8.3	7.6	7.4	7.5
27	9.1	8.1	8.7	8.9	8.0	8.5	8.6	7.8	8.2	7.7	7.4	7.4
28	9.1	8.1	8.8	8.6	8.0	8.4	8.5	7.8	8.1	7.8	7.4	7.5
29	9.2	8.1	8.8	8.2	7.7	8.0	8.7	7.6	8.2	7.8	7.5	7.6
30	9.2	8.2	8.8	8.5	7.8	8.1	8.7	7.7	8.2	7.9	7.5	7.7
31	---	---	---	8.5	7.9	8.1	8.7	7.7	8.2	---	---	---
Max	---	---	---	---	---	---	8.9	7.9	8.4	8.7	8.0	8.4
Min	---	---	---	---	---	---	8.1	7.5	7.9	7.3	7.1	7.2

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	---	---	---	191	181	185	158	122	137	150	140	143
2	---	---	---	182	178	180	127	120	123	151	149	150
3	122	117	120	183	180	182	137	126	132	156	151	153
4	127	121	123	183	177	180	150	136	142	155	152	153
5	138	127	132	183	178	180	156	150	152	159	154	156
6	138	133	135	186	179	182	158	156	156	170	159	166
7	145	135	140	186	183	184	162	158	160	173	169	171
8	152	143	148	190	185	188	159	132	142	175	169	173
9	159	152	155	194	186	188	132	111	118	181	174	179
10	167	159	163	193	186	190	120	112	117	184	181	183
11	171	166	169	193	188	191	131	120	126	186	179	183
12	181	171	175	194	188	190	135	129	133	180	167	175
13	185	181	183	196	190	193	142	135	138	192	167	179
14	187	183	186	198	191	194	150	142	146	175	164	169
15	190	165	178	202	196	199	156	150	153	164	157	160
16	165	138	147	203	198	202	161	155	157	167	161	164
17	143	138	140	202	198	200	161	155	158	179	167	174
18	145	141	142	203	192	197	161	158	159	196	179	189
19	144	140	142	194	185	190	165	161	162	202	184	193
20	161	144	153	190	185	187	172	165	169	187	180	183
21	161	157	159	198	188	193	172	168	170	189	182	187
22	161	153	155	202	195	198	176	171	175	192	185	190
23	163	153	157	196	144	165	177	159	169	210	192	201
24	168	163	165	159	132	149	165	158	161	223	206	213
25	174	168	171	134	127	130	159	145	149	240	211	228
26	179	174	175	141	129	136	154	149	151	211	185	196
27	189	179	183	152	141	146	159	154	156	185	174	177
28	194	184	188	160	152	154	161	144	152	186	169	181
29	194	179	187	160	155	158	151	133	141	170	144	151
30	186	175	178	160	152	156	134	128	131	150	142	145
31	191	186	189	---	---	---	140	134	136	149	145	147
Month	---	---	---	203	127	179	177	111	147	240	140	175

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	154	147	149	214	207	209	220	211	216	---	---	---
2	159	154	156	217	210	212	223	219	221	188	179	184
3	158	154	156	217	210	213	221	216	219	191	186	188
4	156	154	155	212	207	209	218	208	213	194	191	193
5	161	156	159	209	198	204	209	202	204	195	186	191
6	165	161	163	199	184	188	208	202	204	186	159	174
7	169	165	166	191	186	188	213	208	211	160	156	157
8	171	168	170	198	191	194	219	213	216	166	160	162
9	176	169	172	196	193	195	223	219	221	175	166	168
10	183	175	179	195	188	191	227	223	225	183	149	173
11	185	183	184	188	160	175	233	227	230	149	124	128
12	192	185	189	165	157	159	236	232	233	136	125	128
13	199	192	197	166	158	160	238	234	236	139	135	136
14	197	191	193	170	166	168	237	231	234	154	139	146
15	197	195	196	173	168	169	235	232	233	159	149	153
16	200	197	198	175	172	173	236	233	234	164	123	157
17	201	198	199	174	169	171	239	234	236	123	85	94
18	205	199	202	175	172	173	242	238	240	100	92	96
19	206	201	203	180	174	175	244	238	240	113	100	107
20	206	202	204	182	178	180	244	239	241	129	113	119
21	207	203	205	184	181	183	249	244	247	137	129	134
22	209	204	207	185	182	183	254	245	250	146	137	143
23	208	203	206	186	183	185	248	204	223	149	146	148
24	212	207	209	187	183	185	239	194	213	154	149	151
25	213	210	211	192	187	189	194	149	168	160	153	158
26	213	209	210	196	192	194	156	146	149	161	157	159
27	210	204	207	203	196	200	161	151	156	164	153	160
28	211	203	206	207	203	205	166	160	163	162	153	158
29	213	209	211	204	202	203	169	166	167	167	161	164
30	---	---	---	209	204	207	171	168	169	172	167	170
31	---	---	---	212	208	210	---	---	---	---	---	---
Month	213	147	188	217	157	189	254	146	214	---	---	---

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	---	---	---	251	246	248	217	186	203	255	250	253
2	178	161	167	251	245	247	203	184	193	254	242	246
3	178	152	159	247	243	244	206	200	204	244	242	243
4	159	156	157	248	241	243	216	202	212	244	234	242
5	170	158	164	248	244	246	221	215	217	241	228	234
6	170	166	168	---	---	---	228	221	225	251	192	221
7	170	166	167	---	---	---	244	227	239	192	181	185
8	173	166	170	---	---	---	242	235	238	196	189	193
9	182	173	178	---	---	---	235	221	230	207	196	203
10	188	182	185	249	246	248	228	220	226	215	203	209
11	191	185	188	249	238	242	236	225	229	221	214	217
12	198	190	194	238	229	233	247	231	241	225	218	220
13	199	193	196	237	230	234	242	236	238	230	224	226
14	206	181	195	245	237	239	239	235	237	236	230	233
15	182	169	174	251	245	249	235	230	232	241	236	239
16	173	169	170	254	241	249	240	229	232	241	237	239
17	180	169	174	257	240	245	249	240	246	240	238	239
18	192	180	185	---	---	---	242	231	235	243	237	240
19	198	191	193	261	245	253	231	224	227	255	154	227
20	203	197	199	245	224	233	233	230	231	154	126	138
21	---	---	---	239	232	234	237	233	236	129	117	121
22	---	---	---	260	239	254	240	235	237	133	120	124
23	208	202	205	257	239	245	240	236	239	139	123	130
24	218	203	209	244	239	242	246	239	243	154	139	147
25	224	216	220	245	240	242	248	246	247	156	151	153
26	227	224	226	244	221	230	251	247	248	163	153	157
27	229	224	227	237	223	231	253	243	250	177	163	169
28	232	222	226	244	232	238	260	248	254	190	177	183
29	242	232	236	247	205	227	261	259	260	197	189	192
30	247	242	243	232	229	230	260	246	253	197	192	194
31	---	---	---	230	216	224	250	245	247	---	---	---
Month	---	---	---	---	---	---	261	184	234	255	117	201

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	---	---	---	8.0	7.3	7.6	9.1	8.0	8.5	4.5	3.5	3.9
2	---	---	---	8.3	7.3	7.8	8.0	7.2	7.6	4.5	4.1	4.3
3	15.1	14.3	14.7	8.6	7.6	8.1	7.2	6.4	6.7	4.2	2.9	3.6
4	14.4	13.9	14.1	8.7	8.0	8.3	6.4	5.9	6.2	2.9	2.0	2.2
5	14.7	13.8	14.2	8.4	7.7	8.1	6.6	5.9	6.2	2.1	1.5	1.7
6	14.8	14.0	14.4	8.1	7.4	7.8	7.5	6.6	6.9	1.8	1.2	1.5
7	14.8	13.9	14.4	8.1	7.2	7.7	8.5	7.5	8.0	2.3	1.3	1.8
8	14.7	13.6	14.2	8.4	7.4	8.0	8.5	7.2	8.0	2.8	2.1	2.5
9	15.1	13.9	14.5	8.9	7.8	8.5	7.2	6.2	6.7	2.9	2.2	2.6
10	15.5	14.3	15.0	9.6	8.8	9.2	6.2	5.2	5.7	3.3	2.7	3.0
11	15.8	15.0	15.4	9.4	8.4	8.9	5.2	4.4	4.8	3.1	2.6	2.9
12	15.8	15.4	15.6	8.5	7.8	8.2	4.4	3.7	4.0	4.2	3.1	3.8
13	15.6	15.3	15.5	8.2	7.7	8.0	3.7	3.2	3.4	4.3	3.4	4.0
14	16.1	15.5	15.7	8.8	7.9	8.4	3.9	3.1	3.4	3.4	2.6	3.0
15	15.6	14.9	15.2	9.0	8.7	8.9	5.2	3.8	4.4	2.6	1.2	1.8
16	14.9	14.1	14.4	9.4	8.9	9.2	5.6	5.2	5.4	1.2	0.4	0.8
17	14.4	13.7	14.0	9.4	8.7	9.2	5.6	5.1	5.3	1.4	0.8	1.1
18	14.0	13.2	13.6	8.7	7.8	8.2	5.1	4.2	4.6	1.9	1.3	1.5
19	13.9	13.5	13.7	7.8	7.0	7.3	4.2	3.4	3.7	1.4	0.7	1.2
20	14.4	13.8	14.0	7.5	6.8	7.2	4.0	3.8	3.9	1.5	1.0	1.3
21	13.9	13.2	13.4	8.0	7.5	7.8	4.8	3.9	4.2	1.3	0.4	0.8
22	13.2	12.4	12.6	8.1	7.8	7.9	5.6	4.7	5.1	0.4	0.0	0.1
23	12.5	11.7	12.1	8.8	8.1	8.5	6.1	5.6	5.8	1.2	0.1	0.6
24	12.2	11.4	11.8	8.4	7.4	8.0	5.9	5.2	5.6	2.6	1.2	1.9
25	12.3	11.5	11.9	7.4	7.0	7.2	5.2	4.5	4.7	3.2	2.5	2.9
26	12.0	11.4	11.7	7.3	6.8	7.1	4.7	4.2	4.4	3.2	2.9	3.1
27	11.8	11.2	11.7	7.3	6.8	7.1	4.2	3.6	3.9	3.7	3.1	3.4
28	11.2	10.3	10.7	8.1	7.0	7.6	4.4	4.0	4.3	3.9	3.4	3.7
29	10.8	8.1	9.5	8.9	7.8	8.3	4.0	3.3	3.5	3.7	2.8	3.2
30	8.2	7.6	7.9	9.3	8.8	9.1	3.3	3.0	3.1	2.8	2.3	2.6
31	7.9	7.1	7.6	---	---	---	3.7	3.0	3.3	3.1	2.3	2.7
Month	---	---	---	9.6	6.8	8.1	9.1	3.0	5.2	4.5	0.0	2.4

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	4.1	2.9	3.5	5.6	5.1	5.3	10.8	9.8	10.3	---	---	---
2	4.1	3.7	3.9	5.2	4.9	5.0	11.5	9.8	10.6	13.9	13.3	13.6
3	4.3	3.6	3.9	5.8	5.0	5.3	11.6	9.6	10.6	13.8	13.1	13.4
4	4.0	3.4	3.7	5.6	5.0	5.3	12.8	10.9	11.8	15.6	13.8	14.5
5	4.1	3.5	3.8	5.4	4.5	5.0	13.2	11.2	12.1	16.1	15.3	15.6
6	4.0	3.1	3.6	5.2	4.0	4.7	13.2	11.1	12.0	17.1	15.8	16.4
7	4.2	3.3	3.8	5.9	4.4	5.1	12.9	10.7	11.7	16.8	16.0	16.4
8	4.0	3.4	3.6	7.8	5.7	6.7	13.5	10.7	12.0	16.8	15.8	16.3
9	4.0	3.1	3.5	8.1	7.4	7.9	13.6	11.4	12.5	16.8	16.2	16.5
10	3.8	3.0	3.5	7.5	6.7	7.1	13.0	11.4	12.3	16.7	16.1	16.4
11	3.8	3.4	3.6	7.7	6.3	7.0	12.6	10.8	11.7	16.5	15.1	15.8
12	3.4	2.3	2.7	7.6	6.6	7.2	12.0	10.4	11.3	16.7	14.7	15.8
13	3.0	2.1	2.5	8.8	7.3	8.0	13.4	10.3	11.8	17.6	15.8	16.7
14	3.1	2.4	2.7	10.0	8.4	9.1	14.5	11.3	12.9	17.6	17.1	17.4
15	3.5	3.1	3.3	10.1	9.3	9.7	16.3	13.1	14.6	17.8	16.9	17.2
16	3.3	3.1	3.2	10.1	9.7	9.9	18.6	14.7	16.5	17.9	17.0	17.4
17	4.8	3.3	4.0	11.5	9.6	10.4	19.7	16.7	18.1	17.0	16.1	16.6
18	4.7	3.7	4.2	11.8	10.8	11.2	18.3	16.1	16.8	17.2	15.8	16.4
19	4.8	4.1	4.4	13.2	11.1	12.0	18.1	15.2	16.5	17.8	16.0	16.9
20	4.8	4.0	4.4	14.1	12.8	13.4	19.2	15.9	17.4	18.6	16.8	17.7
21	4.7	3.9	4.3	14.6	13.9	14.2	20.2	17.1	18.6	18.7	17.9	18.1
22	5.5	4.3	4.9	15.6	14.2	14.8	19.3	15.4	17.4	18.6	17.8	18.1
23	6.7	5.1	5.8	16.2	14.8	15.4	15.4	12.8	13.7	20.2	18.3	19.1
24	6.3	5.7	6.1	15.5	14.0	14.9	13.1	12.0	12.6	19.8	18.9	19.4
25	5.8	4.9	5.4	14.0	13.4	13.7	12.9	11.7	12.3	20.2	18.9	19.5
26	5.4	4.4	4.8	13.8	11.8	13.1	12.4	11.2	11.7	20.9	19.4	20.2
27	5.6	4.4	4.9	11.8	10.3	11.0	12.2	11.1	11.6	21.2	20.2	20.7
28	6.1	5.0	5.4	11.9	10.5	11.2	11.8	10.6	11.2	22.4	20.5	21.4
29	5.5	5.1	5.3	12.5	11.3	11.7	13.1	11.0	11.9	24.1	21.9	23.0
30	---	---	---	12.6	10.3	11.4	13.3	11.9	12.6	23.8	22.8	23.2
31	---	---	---	11.6	10.1	10.9	---	---	---	---	---	---
Month	6.7	2.1	4.1	16.2	4.0	9.6	20.2	9.6	13.2	---	---	---

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	---	---	---	28.6	25.4	27.0	25.6	24.4	25.1	26.3	23.8	25.0
2	21.6	19.8	20.9	28.4	25.6	27.1	26.7	24.0	25.3	25.5	24.3	24.7
3	19.8	18.5	19.1	28.4	25.2	26.9	27.4	25.2	26.2	24.5	23.1	23.7
4	19.1	17.9	18.2	29.3	26.0	27.6	27.4	25.3	26.2	23.8	22.7	23.2
5	18.1	17.3	17.8	30.0	27.0	28.5	28.4	25.8	26.9	24.2	23.0	23.5
6	18.5	16.7	17.6	---	---	---	28.2	26.0	27.1	23.5	21.9	22.4
7	19.0	17.2	18.1	---	---	---	27.1	25.6	26.4	23.8	21.9	22.8
8	20.1	17.8	18.9	---	---	---	27.5	25.1	26.3	24.4	22.9	23.5
9	20.2	19.1	19.7	---	---	---	28.1	25.5	26.6	24.0	22.2	23.1
10	21.8	19.6	20.6	28.5	26.2	27.4	26.4	25.4	25.8	22.9	21.0	22.0
11	22.4	21.2	21.7	28.6	26.0	27.2	26.6	24.6	25.5	21.9	19.6	20.7
12	21.5	20.6	21.2	29.2	25.8	27.4	27.2	24.7	25.8	22.3	19.3	20.8
13	21.5	20.4	20.9	28.2	26.1	27.2	27.0	24.5	25.7	22.6	19.8	21.1
14	22.0	20.6	21.3	27.5	26.0	26.7	25.8	24.2	24.7	22.7	20.1	21.4
15	22.3	20.5	21.4	27.3	25.6	26.5	25.9	23.6	24.6	21.9	20.2	21.2
16	22.9	20.9	21.8	28.6	25.5	27.0	26.5	23.8	25.1	21.2	19.1	20.2
17	22.1	21.2	21.7	29.4	26.2	27.8	26.3	23.7	25.0	21.0	18.7	19.9
18	21.6	20.6	21.1	---	---	---	25.7	23.8	24.8	20.7	19.9	20.3
19	22.0	20.3	21.0	28.3	26.1	27.0	24.3	22.8	23.3	20.4	18.4	19.4
20	24.3	21.1	22.6	26.1	23.5	24.7	24.0	21.8	22.9	18.4	16.9	17.5
21	---	---	---	25.1	22.8	23.8	24.8	22.1	23.4	17.3	16.4	16.8
22	---	---	---	25.9	23.3	24.4	25.5	22.6	24.0	17.4	15.9	16.7
23	26.9	25.0	25.8	27.0	24.0	25.4	25.8	23.1	24.5	17.6	16.6	17.1
24	26.8	24.6	25.7	28.2	25.2	26.6	26.1	23.6	24.9	17.2	16.1	16.7
25	26.1	24.6	25.5	27.6	24.9	26.3	25.5	24.1	24.7	17.0	15.7	16.4
26	24.6	22.7	23.5	27.6	24.8	26.1	25.6	23.3	24.4	17.6	16.5	17.0
27	23.9	21.3	22.6	27.9	25.4	26.6	25.4	23.6	24.5	17.8	17.0	17.3
28	25.0	21.9	23.5	27.2	26.0	26.6	26.1	24.0	25.0	18.5	17.2	17.8
29	26.8	23.1	24.9	26.0	24.0	25.1	26.1	23.9	24.9	18.1	16.9	17.6
30	28.2	25.0	26.5	26.8	24.7	25.6	25.7	23.2	24.5	17.5	16.2	16.8
31	---	---	---	26.3	24.8	25.4	25.9	23.2	24.6	---	---	---
Month	---	---	---	---	---	---	28.4	21.8	25.1	26.3	15.7	20.2

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	---	---	---	3.7	2.2	2.6	14	6.1	8.6	8.3	2.7	3.5
2	---	---	---	3.4	2.1	2.5	11	5.8	8.1	10	1.9	2.9
3	14	7.4	10	2.7	1.7	1.9	12	5.2	7.2	5.0	1.6	2.0
4	16	5.8	8.7	2.4	1.6	1.8	14	3.2	5.6	2.3	1.5	1.7
5	9.7	5.4	6.4	2.2	1.5	1.7	8.1	2.1	4.0	5.7	1.4	1.8
6	9.6	4.3	5.6	4.1	1.4	1.7	8.2	1.8	4.5	2.5	1.3	1.6
7	9.0	4.5	5.6	2.2	1.3	1.6	230	1.7	15	3.8	1.3	1.6
8	7.8	4.0	5.3	1.9	1.3	1.4	69	23	44	2.1	1.2	1.4
9	14	3.9	5.5	1.9	1.2	1.3	98	18	30	2.1	1.1	1.3
10	14	3.5	7.5	1.6	1.1	1.2	28	10	16	1.7	1.1	1.2
11	9.1	3.0	5.1	1.6	1.2	1.4	19	4.4	7.7	3.3	1.1	1.3
12	5.5	2.5	3.3	1.5	1.3	1.4	6.5	2.8	3.8	30	1.0	12
13	8.8	2.2	2.8	1.6	1.2	1.3	8.0	2.7	4.1	23	8.6	11
14	3.8	2.2	2.4	1.8	1.2	1.3	6.6	2.6	4.2	12	4.3	7.4
15	9.8	3.0	6.1	1.6	1.1	1.2	8.5	2.1	3.3	11	2.8	3.7
16	9.8	5.9	7.5	1.6	1.2	1.3	8.4	1.8	2.5	9.5	2.5	3.3
17	7.1	5.0	5.9	4.0	1.3	2.9	3.9	1.5	2.1	7.6	2.1	2.8
18	6.6	4.4	5.1	3.3	1.9	2.4	4.3	1.6	2.2	3.3	1.9	2.3
19	5.2	3.3	4.1	2.4	1.5	1.9	5.9	1.6	2.4	4.6	1.8	2.7
20	9.5	3.4	5.9	1.6	1.2	1.4	5.9	1.5	2.3	3.2	1.4	2.0
21	6.7	4.0	4.9	1.6	1.2	1.3	3.3	1.4	1.9	2.4	1.3	1.5
22	6.1	2.9	3.5	2.2	1.2	1.3	5.4	1.3	2.0	2.7	1.3	1.5
23	3.7	2.5	3.0	110	2.2	54	19	1.4	9.7	3.0	1.2	1.6
24	3.4	2.2	2.6	55	16	35	10	3.0	4.4	4.0	1.4	2.8
25	3.6	1.9	2.2	19	11	14	3.8	2.3	2.8	4.9	2.5	3.3
26	4.0	1.6	1.9	12	6.7	9.0	5.2	2.5	3.0	3.5	2.2	2.6
27	7.6	1.6	2.0	8.9	3.9	5.6	3.0	2.2	2.6	26	2.0	4.8
28	2.3	1.6	1.7	8.5	2.9	3.6	27	2.9	16	29	7.9	12
29	3.2	1.7	2.0	3.0	2.3	2.6	16	6.4	11	30	8.7	11
30	2.9	2.2	2.5	12	2.6	8.3	21	5.1	7.3	20	8.3	11
31	3.9	2.7	3.2	---	---	---	7.2	3.6	4.9	15	5.0	7.1
Month	---	---	---	110	1.1	5.6	230	1.3	7.8	30	1.0	4.1

01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

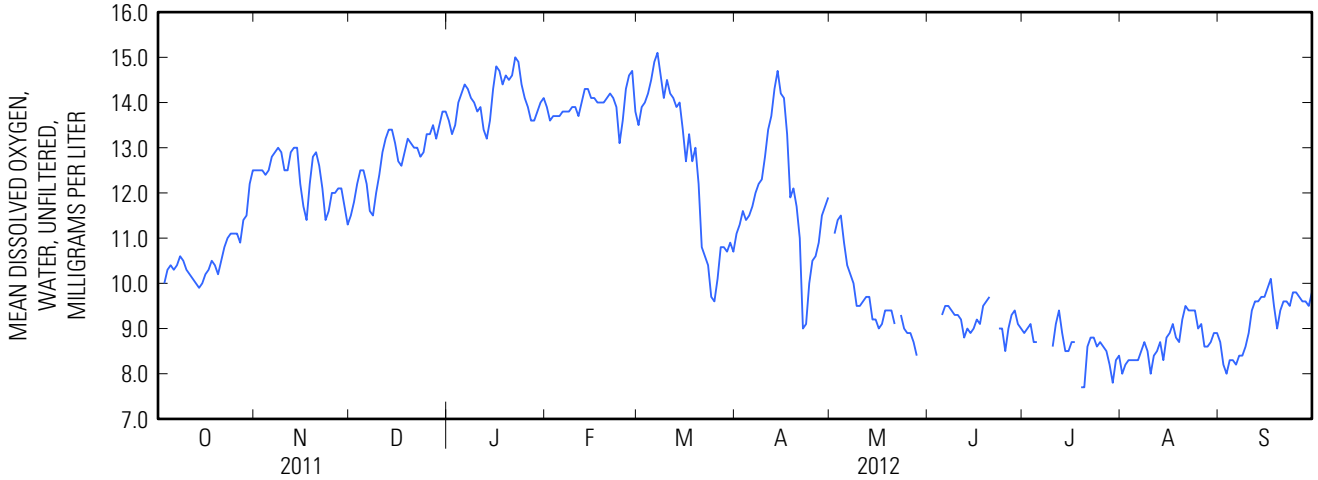
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	8.1	3.0	4.3	3.7	0.8	1.8	1.8	1.0	1.5	---	---	---
2	9.9	2.0	3.0	3.7	1.3	2.2	2.1	0.9	1.2	0.7	<0.5	<0.5
3	3.0	1.6	2.1	2.5	1.0	1.2	3.3	1.0	1.4	<0.5	<0.5	<0.5
4	4.9	1.6	1.9	2.3	1.2	1.6	3.7	0.6	1.1	0.6	<0.5	<0.5
5	3.9	1.5	1.8	1.4	1.0	1.1	2.5	<0.5	0.9	---	---	---
6	6.6	1.3	1.8	1.5	0.9	1.1	1.1	0.5	0.7	1.2	<0.5	0.6
7	2.4	1.2	1.4	1.5	0.9	1.0	2.7	<0.5	0.7	3.3	<0.5	0.7
8	1.3	1.0	1.1	3.2	1.0	1.7	5.1	<0.5	0.6	1.0	<0.5	0.6
9	2.3	1.0	1.2	1.7	0.9	1.3	1.7	<0.5	<0.5	1.8	0.5	0.9
10	2.9	0.9	1.1	1.4	0.8	1.0	0.5	<0.5	<0.5	26	1.2	4.1
11	3.5	0.8	1.0	2.0	0.9	1.3	1.1	<0.5	<0.5	29	6.2	9.1
12	1.8	0.8	1.0	2.5	1.1	1.3	2.3	<0.5	<0.5	29	3.2	6.1
13	1.6	0.8	1.1	2.3	1.6	1.9	2.0	<0.5	0.5	6.1	2.0	3.7
14	1.5	0.8	1.0	2.2	1.5	1.9	4.2	<0.5	0.5	7.2	1.5	2.6
15	0.9	0.8	0.8	1.8	0.9	1.2	1.0	<0.5	<0.5	4.6	1.3	1.9
16	1.1	0.7	0.8	1.5	0.7	0.9	0.8	<0.5	<0.5	75	2.3	21
17	1.1	0.7	0.8	1.0	0.7	0.8	<0.5	<0.5	<0.5	180	29	90
18	1.1	0.8	0.9	1.3	0.7	0.9	0.5	<0.5	<0.5	68	26	44
19	1.1	0.8	0.9	1.3	0.6	0.8	2.4	<0.5	<0.5	26	10	15
20	1.0	0.7	0.8	0.9	0.5	0.7	2.4	<0.5	<0.5	17	4.7	7.3
21	1.0	0.7	0.8	2.0	0.5	0.8	<0.5	<0.5	<0.5	8.2	3.6	4.8
22	1.1	0.7	0.8	1.2	0.6	0.8	0.5	<0.5	<0.5	---	---	---
23	0.9	0.6	0.7	3.2	0.6	1.3	38	<0.5	16	4.4	1.8	2.5
24	0.9	0.6	0.7	4.8	1.0	1.6	28	10	14	4.7	1.4	2.6
25	1.2	0.7	0.8	2.2	1.1	1.6	13	6.1	8.8	9.6	3.1	6.1
26	1.7	0.8	0.9	2.8	1.6	2.1	7.9	4.1	5.4	6.7	2.9	4.3
27	1.4	0.8	0.9	3.6	1.3	1.9	8.8	2.4	3.8	33	2.7	11
28	1.1	0.8	0.9	2.7	1.5	2.0	3.2	1.5	2.1	48	21	26
29	1.8	0.8	1.0	2.3	1.1	1.7	6.4	0.7	1.5	---	---	---
30	---	---	---	1.9	0.8	1.4	2.6	<0.5	0.8	---	---	---
31	---	---	---	1.6	0.9	1.2	---	---	---	---	---	---
Month	9.9	0.6	1.3	4.8	0.5	1.4	38	<0.5	2.2	---	---	---

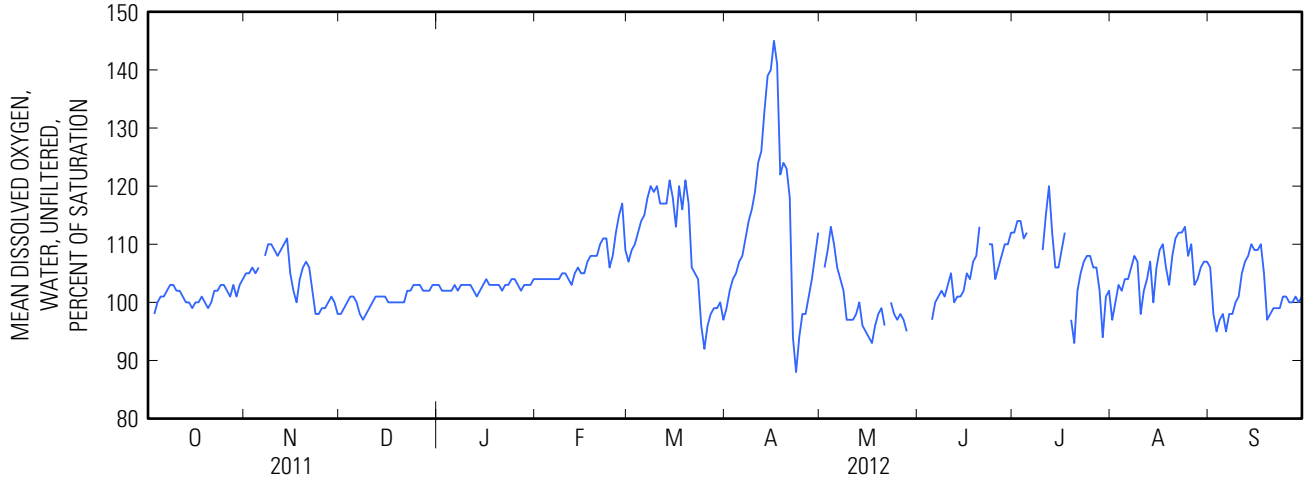
01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

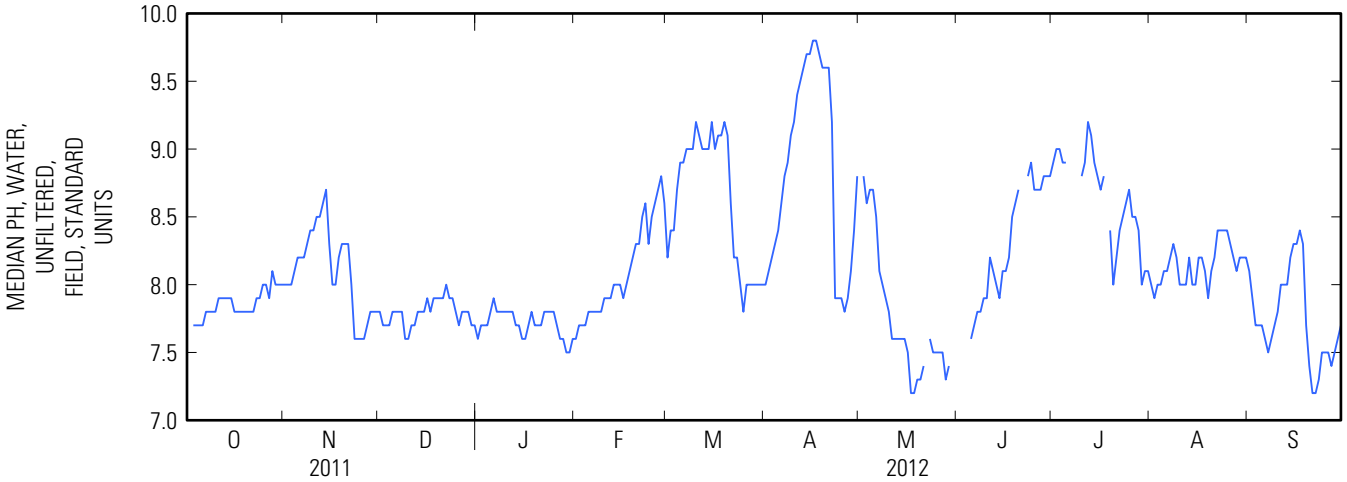
TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	---	---	---	1.8	1.1	1.3	11	3.4	4.5	---	---	---
2	81	5.9	24	1.8	1.2	1.4	16	2.9	7.3	---	---	---
3	180	24	63	1.9	1.3	1.5	4.9	2.1	2.8	---	---	---
4	30	8.6	13	2.1	1.1	1.4	4.9	1.7	2.4	---	---	---
5	8.6	4.8	6.3	2.1	0.8	1.3	3.4	1.3	1.8	---	---	---
6	6.2	4.1	4.7	---	---	---	2.0	1.4	1.6	---	---	---
7	6.0	2.9	4.1	---	---	---	3.7	1.2	1.8	---	---	---
8	4.4	2.3	3.0	---	---	---	16	0.9	2.4	---	---	---
9	3.3	1.4	2.0	---	---	---	6.9	0.8	1.6	---	---	---
10	2.5	1.0	1.4	3.2	1.9	2.3	6.4	1.1	2.4	---	---	---
11	1.8	0.7	1.0	2.7	2.1	2.3	6.2	1.6	2.2	---	---	---
12	1.9	<0.5	0.8	2.9	2.4	2.6	11	2.0	3.2	---	---	---
13	4.2	0.7	1.7	2.7	1.8	2.4	2.5	1.2	1.8	---	---	---
14	9.4	4.1	4.9	2.9	1.8	2.2	2.9	0.9	1.4	---	---	---
15	6.1	2.8	3.9	2.8	2.1	2.5	1.6	0.7	1.1	---	---	---
16	4.4	1.9	3.0	2.8	2.1	2.4	2.0	0.6	1.1	---	---	---
17	2.5	1.0	1.7	6.7	2.1	2.7	1.4	<0.5	1.0	---	---	---
18	2.5	1.2	1.7	---	---	---	1.7	0.7	1.1	---	---	---
19	2.1	1.1	1.4	2.5	1.9	2.2	2.2	1.0	1.4	---	---	---
20	1.5	0.7	1.1	3.8	2.1	2.7	12	0.8	1.7	---	---	---
21	---	---	---	4.2	2.2	2.7	1.6	0.6	1.0	---	---	---
22	---	---	---	3.8	2.0	2.3	4.2	0.6	0.9	---	---	---
23	2.1	0.5	0.8	2.9	2.0	2.4	4.2	0.6	1.0	---	---	---
24	1.4	0.6	1.0	3.1	1.6	1.9	3.6	0.6	1.0	---	---	---
25	1.8	1.0	1.2	2.7	1.5	2.1	1.0	0.6	0.8	---	---	---
26	1.9	1.1	1.5	2.5	1.5	1.9	5.7	0.7	1.2	14	2.8	4.2
27	1.5	0.8	1.3	2.4	1.3	1.7	1.8	0.8	1.2	5.8	1.8	2.4
28	2.2	1.1	1.3	2.1	1.4	1.7	2.4	1.1	1.4	5.8	1.3	1.8
29	1.9	0.9	1.2	40	2.0	15	1.4	<0.5	1.0	2.9	1.3	1.5
30	1.7	1.1	1.3	18	4.0	5.6	3.7	0.8	1.2	2.2	1.3	1.5
31	---	---	---	5.6	3.2	3.9	2.1	0.9	1.4	---	---	---
Month	---	---	---	---	---	---	16	<0.5	1.8	---	---	---

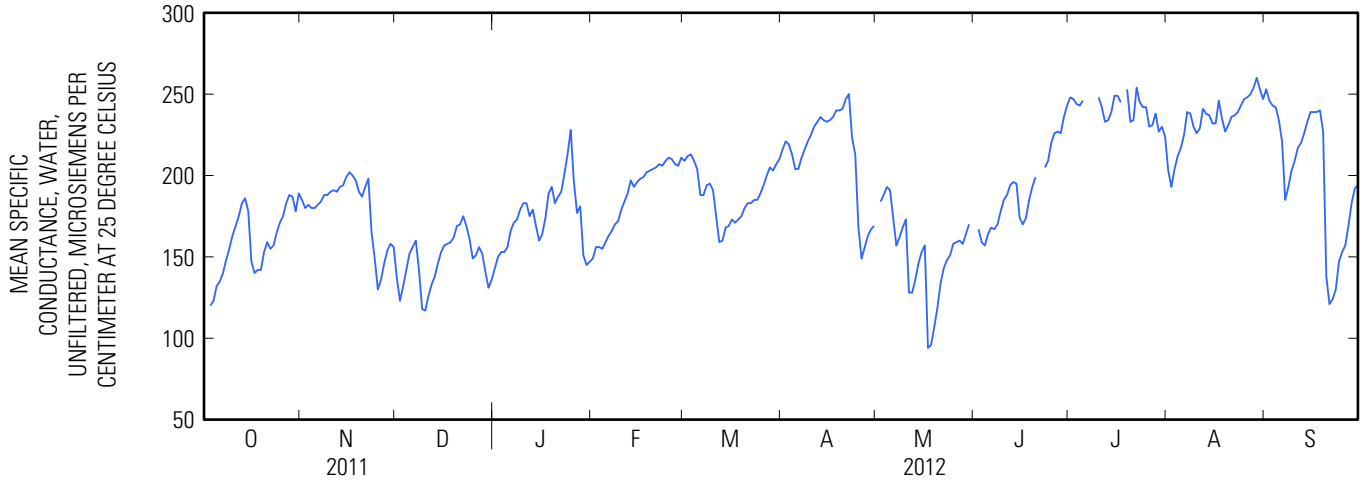
01463500 DELAWARE RIVER AT TRENTON, NJ—Continued

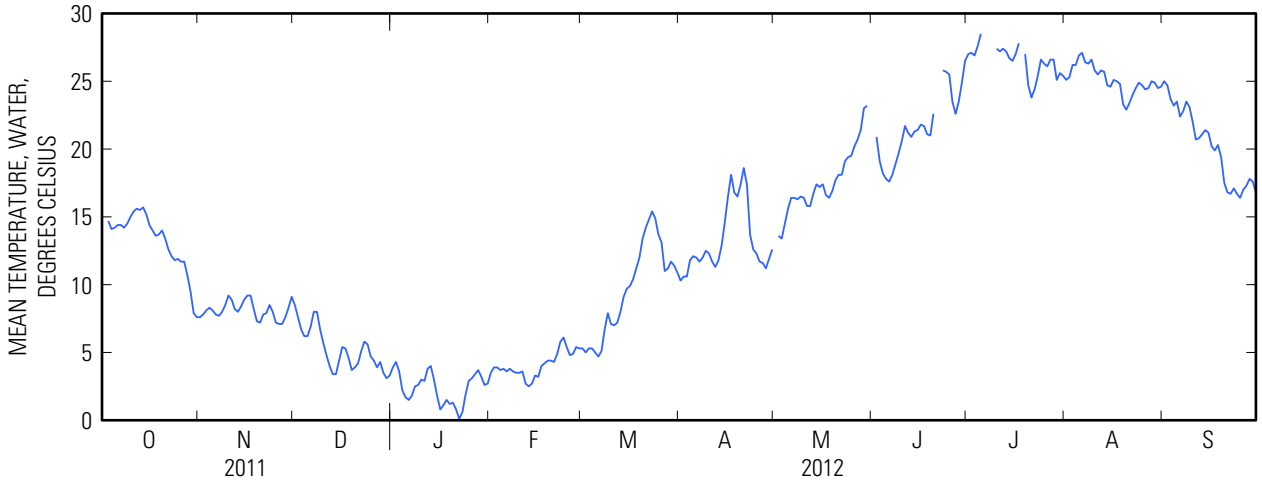
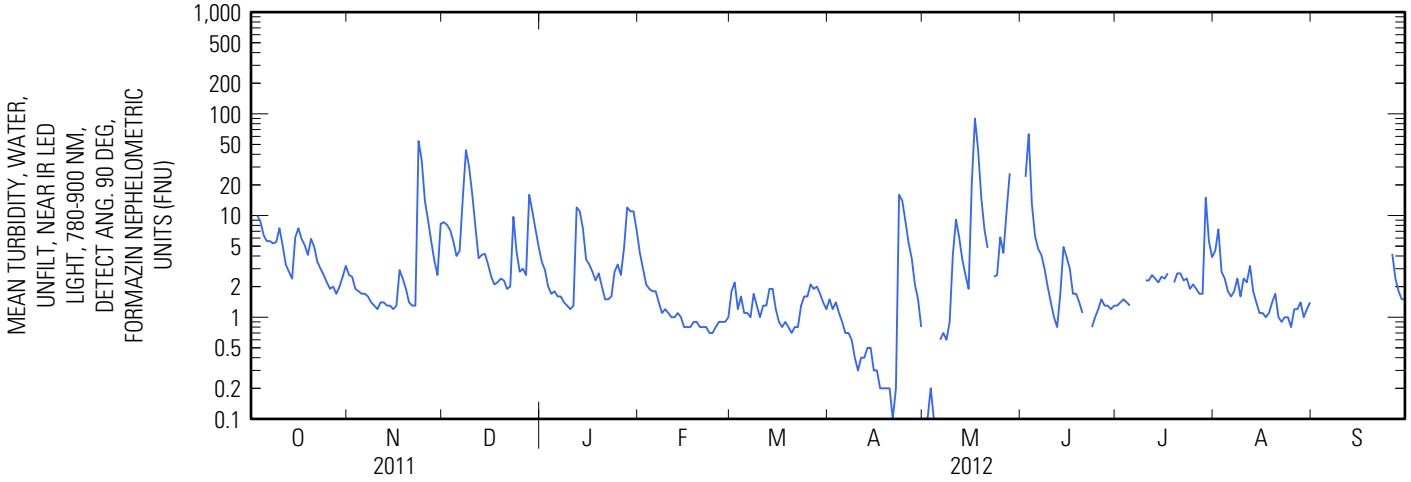






01463500 DELAWARE RIVER AT TRENTON, NJ—Continued





01463500 DELAWARE RIVER AT TRENTON, NJ—Continued