

DELAWARE RIVER BASIN

01443000 DELAWARE RIVER AT PORTLAND, PA

LOCATION.--Lat 40°55'26", long 75°05'46", Northampton County, Hydrologic Unit 02040105, at footbridge connecting Portland, PA and Columbia, NJ, 0.5 mi upstream from Paulins Kill, and at river mile 207.5.

DRAINAGE AREA.--4,165 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1976 to current year.

REMARKS.--Total nitrogen (00600) equals the sum of dissolved ammonia plus organic nitrogen (00623), dissolved nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570).

COOPERATION.--Determination of dissolved ammonia, total ammonia, dissolved nitrite, dissolved orthophosphate, biochemical oxygen demand, total suspended solids, fecal coliform, *E. coli*, and enterococcus bacteria was performed by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services. Determination of chlorophyll a was performed by the New Jersey Department of Environmental Protection, Bureau of Freshwater and Biological Monitoring Laboratory.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Delaware River Main Stem, New Jersey Department of Environmental Protection Watershed Management Area 1.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, units (00400)	Specif. conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
NOV 05...	1410	3,970	0.7	0.100	0.075	758	12.6	102	7.4	92	18.0	6.0	24
MAR 04...	0950	7,350	1.3	0.064	0.049	757	15.0	103	6.0	116	1.0	0.1	26
MAY 05...	1250	9,640	2.5	0.060	0.044	753	--	--	6.7	78	17.0	14.3	21
AUG 11...	1220	11,500	6.8	0.160	0.123	752	8.0	95	7.3	88	24.7	23.6	26
NOV 05...	7.29	1.52	0.65	6.32	17	10.2	<0.17	3.0	9.1	49	60	3	0.15
MAR 04...	7.72	1.67	0.60	8.95	19	16.7	<0.17	2.9	8.7	60	68	4	0.14
MAY 05...	6.35	1.32	0.66	6.18	15	9.85	<0.17	1.6	7.1	43	54	4	0.16
AUG 11...	8.10	1.38	0.71	6.02	19	8.72	<0.17	3.6	6.7	47	48	8	0.24
NOV 05...	<0.030	<0.030	0.17	<0.003	<0.020	0.05	0.011	0.016	0.33	0.37	<0.1	<0.1	<0.1
MAR 04...	<0.030	<0.030	0.35	<0.003	<0.020	0.05	0.005	0.013	0.50	0.55	0.2	<0.1	0.2
MAY 05...	<0.030	<0.030	0.23	0.003	<0.020	0.09	0.006	0.017	0.39	0.48	0.5	<0.1	0.5
AUG 11...	<0.020	0.041	0.18	<0.003	<0.020	0.09	0.023	0.038	0.42	0.51	0.9	<0.1	0.8

## DELAWARE RIVER BASIN

## 01443000 DELAWARE RIVER AT PORTLAND, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Chloro-phyll a fluorometric method, corrcrtd µg/L (32209)	Boron, water, fltrd, µg/L (01020)
NOV 05...	3.2	<1.0	--	E6.4
MAR 04...	1.9	E2.0	--	<13
MAY 05...	2.1	E1.4	--	<13
AUG 11...	4.4	<1.0	1.50	11

Remark codes used in this table:

&lt; -- Less than

E -- Estimated value

## WATER-COLUMN BACTERIA ANALYSES

Samples were collected synoptically over a 30-day period during the summer.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Date	Time	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
MAY					JUN				
15...	0925	90	<100	20	05...	0915	120	500	80
22...	1030	60	<100	<20	12...	0930	600	200	500
29...	0845	110	<100	130					

Remark codes used in this table:

&lt; -- Less than