

## 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.

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

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

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, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, 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 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)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	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)
DEC 09...	1450	9,370	1.3	.086	.067	758	14.3	102	7.3	80	2.0	1.3	24	
FEB 05...	1220	4,140	.9	.056	.042	768	14.3	97	7.0	119	3.0	.1	32	
MAY 03...	1210	9,460	2.5	.068	.052	753	9.2	94	6.8	92	9.5	15.8	24	
AUG 04...	1210	5,880	2.8	.098	.074	747	8.3	103	7.5	90	--	25.1	24	
DEC 09...	7.43	1.44	.70	5.77	16	8.71	<.2	3.8	7.7	47	47	4	<.20	
FEB 05...	9.75	1.76	.67	8.83	20	14.1	<.2	4.4	9.8	63	75	6	<.20	
MAY 03...	7.39	1.41	.58	6.77	16	11.3	<.2	1.9	7.2	47	50	9	<.20	
AUG 04...	7.36	1.33	.68	6.49	18	11.1	<.2	2.6	7.1	48	63	6	.17	
DEC 09...	<.020	<.020	.31	<.003	<.02	.023	.014	.017	--	--	.2	<.1	.2	
FEB 05...	.036	--	.46	.003	<.02	<.020	.014	.025	--	--	.2	<.1	.2	
MAY 03...	.016	--	.26	.004	.09	E.009	.015	.024	--	--	.8	<.1	.8	
AUG 04...	.014	--	.19	.003	.07	.012	.039	.035	.36	.43	.6	<.1	.6	

## DELAWARE RIVER BASIN

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

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

Date	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Boron, water, fltrd, ug/L (01020)
DEC 09...	2.4	E1.7	E5.5
FEB 05...	1.7	E1.6	E6.6
MAY 03...	2.0	<1.0	E6.3
AUG 04...	2.8	<1.0	8.2

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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
AUG					
12...	0940	3,520	50	<100	20
19...	0940	12,400	110	100	40
26...	0930	8,330	100	<100	70
31...	1015	10,200	1,900	200	800
SEP					
09...	0935	11,400	3,100	1,800	3,000

Remark codes used in this table:

&lt; -- Less than