

DELAWARE RIVER BASIN

01461000 DELAWARE RIVER AT LUMBERVILLE, PA

LOCATION.--Lat 40°24'27", long 75°02'16", Bucks County, Hydrologic Unit 02040105, at pedestrian bridge at Lumberville, 1.4 mi upstream from Lockatong Creek.

DRAINAGE AREA.--6,598 mi².

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

COOPERATION.--Field data and samples for laboratory analyses were provided by the New Jersey Department of Environmental Protection. Determination of dissolved ammonia, total ammonia, dissolved nitrite, BOD, fecal coliform, E. coli, and enterococci bacteria were performed by the New Jersey Department of Health, Public Health and Environmental Laboratories.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Delaware River Main Stem, New Jersey Department of Environmental Protection Watershed Management Area 11.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	UV ABSORB-ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)
DEC 1999 07...	1030	9650	764	96	11.8	7.7	163	6.5	.085	.065
MAR 2000 01...	1000	43400	762	94	12.6	7.1	109	3.0	.098	.075
MAY 04...	1100	11000	768	104	10.7	7.9	146	14.5	.065	.050
SEP 07...	1030	4250	772	97	8.8	8.2	233	20.5	.073	.055
DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
DEC 1999 07...	54	13.8	4.62	1.2	8.5	37	13.9	<.1	4.8	15.6
MAR 2000 01...	29	7.88	2.21	.9	7.8	16	13.4	<.1	4.1	9.2
MAY 04...	54	14.2	4.54	.8	8.4	37	13.7	<.1	2.7	13.9
SEP 07...	80	20.3	7.15	1.5	12.0	60	17.7	<.1	2.5	18.7
DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
DEC 1999 07...	.15	.23	<.03	<.030	1.1	1.1	.917	<.003	.037	.050
MAR 2000 01...	.26	.64	.03	<.030	1.4	.98	.716	<.003	.021	.119
MAY 04...	.16	.24	<.03	--	.84	.76	.602	<.003	.027	.040
SEP 07...	.22	.29	.04	<.030	1.1	1.1	.855	.023	.056	.061
DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, TOTAL AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, RESIDUE SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	BORON, DIS-SOLVED (µG/L AS B) (01020)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	
DEC 1999 07...	2.9	.3	E1.6	<1	95	89	E13	--	--	
MAR 2000 01...	3.1	3.2	E1.5	43	66	58	E9	--	--	
MAY 04...	2.3	.4	E1.4	--	90	83	E13	125	4	
SEP 07...	2.7	.2	<1.2	--	132	120	17	3.4	M	

DELAWARE RIVER BASIN

01461000 DELAWARE RIVER AT LUMBERVILLE, PA--Continued

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	E. COLI			ENTERO-			
		COLI- FORM, FECAL, EC BROTH (MPN) (31615)	WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	ENTERO- COCCI ME, MF TOTAL (COL / 100 ML) (31649)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	ENTERO- COCCI ME, MF TOTAL (COL / 100 ML) (31649)	
JUL 2000					AUG 2000			
06...	1045	230	100	80	03...	1030	490	900
13...	1040	140	<100	70				500
20...	1030	5400	700	420				
27...	1125	230	400	210				