

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 Locketong Creek.

DRAINAGE AREA.--6,598 mi².

PERIOD OF RECORD.--Water years 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, total residue, Chlorophyll A, fecal coliform, E. coli, and enterococcus bacteria was performed by the New Jersey Department of 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 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	UV ABSORBANCE 254 NM, WTR FLT (UNITS) /CM (50624)	UV ABSORBANCE 280 NM, WTR FLT (UNITS) /CM (61726)	BAROMETRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	
NOV 15...	1100	5130	--	.078	.061	754	92	10.7	7.8	183	--	8.5	63	
FEB 27...	1000	12650	--	.082	.062	764	92	12.6	7.5	233	6.0	2.5	65	
MAY 15...	1000	3700	2.8	.051	.039	758	82	7.9	8.1	250	21.0	17.0	88	
AUG 01...	1000	3130	4.3	.062	.047	768	90	7.6	8.2	248	21.5	24.0	85	
DATE	TIME	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 (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 15...	16.4	5.43	1.49	10.2	46	14.6	<.2	2.2	15.8	103	98	<.030	.21	
FEB 27...	17.1	5.39	1.54	18.4	42	31.0	<.2	4.6	17.2	134	125	.030	.17	
MAY 15...	22.2	7.82	1.49	13.5	62	21.2	E.1	3.7	20.2	148	133	<.030	.27	
AUG 01...	21.3	7.81	1.78	13.6	62	22.1	<.2	3.4	20.2	144	132	<.030	.22	
DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, PAR TICULATE SUSP (MG/L AS N) (49570)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC TOTAL (MG/L AS C) (00694)	CARBON, INOR-GANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)
NOV 15...	<.03	.56	.878	.003	1.1	1.4	.071	.058	.067	.6	<.1	2.7	.6	
FEB 27...	.05	.30	1.13	.004	1.3	1.4	.101	.022	.041	1.3	<.1	2.6	1.3	
MAY 15...	<.03	.33	1.25	.013	1.5	1.6	.090	.070	.087	.6	<.1	2.1	.6	
AUG 01...	<.03	.28	1.04	.005	1.3	1.3	.083	.076	.089	.5	<.1	2.6	.5	
DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	CHLORO-PHYLL A FLUORO-METRIC METHOD CORR. (µG/L) (32209)	BORON, DIS-SOLVED (µG/L AS B) (01020)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)									
NOV 15...		E1.8	--	16	2									
FEB 27...		E1.0	--	E13	4									
MAY 15...		2.8	7.80	16	9									
AUG 01...		<1.0	5.40	23	5									

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01461000 DELAWARE RIVER AT LUMBERVILLE, PA--Continued

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	E COLI, MTEC MF WATER (COL/100 ML) (31633)	ENTERO-COCCI, ME MF, WATER (COL/100 ML) (31649)	DATE	TIME	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	E COLI, MTEC MF WATER (COL/100 ML) (31633)	ENTERO-COCCI, ME MF, WATER (COL/100 ML) (31649)
JUL					AUG				
12...	1030	130	200	10	02...	1000	210	<100	10
19...	1030	170	100	50	09...	1050	110	100	220