

01408830 CEDAR CREEK AT CEDAR CREST, NJ

LOCATION.--Lat 39°53'50", long 74°18'59", Ocean County, Hydrologic Unit 02040301, at bridge on Whiting-Lacey Road in Cedar Crest, 0.2 mi downstream from outlet of Bamber Lake, and 3.7 mi southeast of Keswick Grove.

DRAINAGE AREA.--20.1 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1977-78, 1998 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.--Concentrations of ammonia in samples collected during November to December and August to September; orthophosphate in every sampling period except February to March; and nitrite, biochemical oxygen demand, total suspended residue, fecal coliform, E. coli, and enterococcus bacteria were determined by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Undeveloped Land Use Indicator, New Jersey Department of Environmental Protection Watershed Management Area 13.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	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)	Specific 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 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)	Ammonia water, fltrd, mg/L as N (00608)
Date		Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Boron, water, fltrd, ug/L (01020)
NOV 04...	1130	31	.8	.142	.113	762	10.2	94	4.6	28	10.0	11.7	3	
FEB 07...	1110	40	.7	.169	.134	769	12.3	92	4.3	32	7.5	3.8	4	
MAY 11...	1140	51	1.6	.223	.176	761	8.9	91	4.6	32	16.5	16.5	3	
AUG 11...	1300	37	.7	.165	.132	760	8.5	105	4.2	25	34.0	25.9	3	
NOV 04...		.56	.412	.41	2.46	<2	4.46	<.1	4.6	2.6	18	4	E.07	.010
FEB 07...		.65	.471	.40	2.60	<2	4.21	<.1	5.0	3.1	25	--	E.10	<.040
MAY 11...		.56	.400	.20	2.55	<2	4.27	<.1	2.7	2.8	20	--	E.10	<.040
AUG 11...		.47	.352	.28	2.46	<5	4.19	<.1	4.8	2.0	16	1	.15	.036
NOV 04...		<.06	E.002	<.02	--	E.009	<.004	E.003	.3	<.1	.3	3.1	E2.1	E6.6
FEB 07...		E.04	--	.03	.17	<.006	.009	<.004	.2	<.1	.2	2.8	--	E6.7
MAY 11...		<.06	--	.05	--	E.004	<.004	.005	.3	<.1	.3	4.0	<1.0	E6.7
AUG 11...		<.06	--	.02	--	E.007	<.004	.005	.2	<.1	.2	3.2	E1.1	E5.8

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## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
NOV 04...	--	--
FEB 07...	1	.11
MAY 11...	13	1.8
AUG 11...	--	--

Remark codes used in this table:

&lt; -- Less than.

E -- Estimated.

## WATER-COLUMN BACTERIA ANALYSES

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	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				
11...	0732	50	<100	<20
18...	0734	10	<100	<20
25...	0725	10	<100	<20
SEP				
01...	0730	10	<100	<20
08...	0739	<10	<100	<20

Remark codes used in this table:

&lt; -- Less than.