



Water-Data Report 2010

01408830 CEDAR CREEK AT CEDAR CREST, NJ

CEDAR CREEK BASIN

LOCATION.--Lat 39°53'50", long 74°18'59" referenced to North American Datum of 1983, Lacey Township, Ocean County, NJ, 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 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-78, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 13.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 5

[%, percent; ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; --, no data; <, less than; E, estimated]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per centimeter (50624)	Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered, units per centimeter (61726)	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)
11-05-2009	1030	762	11.5	.530	.420	E 31	10.4	93	4.5
02-02-2010	1210	765	5.0	.217	.173	E 44	12.3	90	4.2
05-17-2010	1100	764	22.0	.309	.248	E 44	9.1	95	4.6
08-05-2010	1200	753	31.0	.468	.372	E 23	7.8	96	4.8

01408830 CEDAR CREEK AT CEDAR CREST, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 5

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Date	Specific conduc- tance, water, unfiltered, μS/cm at 25 °C (00095)	Tempera- ture, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constit- uents, milligrams per liter (70301)	Hardness, water, mg/L as CaCO ₃ (00900)	Suspended solids, water, unfiltered, mg/L (00530)	Calcium, water, filtered, mg/L (00915)	Magne- sium, water, filtered, mg/L (00925)
11-05-2009	40	10.3	1.5	35	--	3.73	3	.69	.488
02-02-2010	38	2.4	1.6	26	< 18	2.75	3	.49	.368
05-17-2010	34	17.5	1.5	26	< 16	2.62	1	.53	.317
08-05-2010	33	25.7	.8	23	< 16	3.09	2	.58	.396

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 5

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Date	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (90410)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Inorganic carbon, suspended sediment, total, mg/L (00688)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)
11-05-2009	.34	2.45	--	.18	4.52	< .08	< .06	5.3	2.67	.25
02-02-2010	.29	2.25	< 1.7	.24	4.64	< .08	< .06	5.0	3.94	E .09
05-17-2010	.20	2.54	< 1.7	.22	4.52	< .08	< .06	3.7	2.94	.11
08-05-2010	.26	2.35	< 1.7	.32	4.45	< .08	< .06	4.2	2.21	.25

01408830 CEDAR CREEK AT CEDAR CREST, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 4 of 5

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Date	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Orthophos- phate, water, filtered, mg/L as P (00671)	Particulate nitrogen, suspended in water, mg/L (49570)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, mg/L (00602)	Total nitrogen, water, unfiltered, mg/L (00600)	Organic carbon, suspended sediment, total, mg/L (00689)
11-05-2009	.025	E .02	E .006	< .03	< .008	< .008	E .27	< .31	.18
02-02-2010	.019	< .04	E .004	< .03	< .008	< .008	< .13	< .16	.24
05-17-2010	E .010	< .04	--	E .03	< .008	< .008	< .15	< .18	.22
08-05-2010	.010	< .04	--	E .03	< .008	< .008	< .29	< .32	.32

WATER-QUALITY DATA
WATER YEAR OCTOBER
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Part 5 of 5

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Date	Organic carbon, water, filtered, mg/L (00681)
11-05-2009	10.4
02-02-2010	4.0
05-17-2010	5.3
08-05-2010	9.6