

Water-Data Report 2007

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.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1998 to current year.

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Discharge, in ft³/s
Nov 20, 2006	57.6
Feb 21, 2007	49.1
May 10, 2007	46.2
Aug 21, 2007	60.1

01408830 CEDAR CREEK AT CEDAR CREST, NJ—Continued

WATER-QUALITY RECORDS

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

REMARKS.--Total nitrogen (00600) equals the sum of filtered ammonia-plus-organic nitrogen (00623), filtered nitrite-plus-nitrate nitrogen (00631), and total particulate nitrogen (49570). 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 2006 TO SEPTEMBER 2007**

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd 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 unf 25 degC μS/cm (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
Nov 20...	1130	58	.7	.545	.431	763	10.5	91	4.0	46	6.5	9.2	3
Feb 21...	0930	49	.7	.157	.125	760	12.6	95	4.3	33	8.5	3.8	3
May 10...	1220	46	1.5	.187	.149	763	9.3	101	4.4	34	23.5	19.4	3
Aug 21...	1110	60	1.1	.325	.257	764	8.8	91	4.8	32	16.0	17.2	3

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

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 unf fixed 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 non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Nov 20...	.61	.428	.32	2.40	--	4.67	<.10	4.7	3.54	40	3	.25	--
Feb 21...	.56	.403	.36	2.45	<5	4.13	<.10	4.9	3.21	24	1	.15	.016
May 10...	.49	.357	.20	2.49	<5	4.16	<.10	3.4	2.64	24	<1	.22	E.008
Aug 21...	.65	.401	.28	2.37	<1.7	3.89	<.10	4.4	3.44	20	1	.14	.020

01408830 CEDAR CREEK AT CEDAR CREST, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Nitrate + nitrite water fltrd, mg/L as N (00631)	Particulate nitrogen, susp, water, mg/L (49570)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, 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)	Boron, water, fltrd, µg/L (01020)
Nov 20...	<.06	<.02	E.005	E.004	<.008	.2	<.1	.2	9.1	7.7
Feb 21...	E.04	<.02	E.003	<.008	<.008	.2	<.1	.2	3.0	5.6
May 10...	<.06	<.02	<.010	<.008	<.008	.4	<.1	.4	3.5	6.6
Aug 21...	<.06	.02	E.004	<.008	E.006	.3	<.1	.3	6.7	6.2