



Water-Data Report 2007

01411444 WEST CREEK NEAR LEESBURG, NJ

WEST CREEK BASIN

LOCATION.--Lat 39°15'36", long 74°54'41" referenced to North American Datum of 1983, Maurice River Township, Cumberland County, NJ, Hydrologic Unit 02040206, at bridge on County Route 550, 1.5 mi upstream from Hands Millpond, 2.4 mi south of Halberton, and 4.0 mi east of Leesburg.

DRAINAGE AREA.--6.64 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1999 to current year.

GAGE.--Staff gage.

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

Date	Discharge, in ft³/s
Nov 29, 2006	11.0
Feb 13, 2007	2.35
May 1, 2007	11.1
Aug 14, 2007	0.69

01411444 WEST CREEK NEAR LEESBURG, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 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 16.

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 unfltrd 25 degC μS/cm (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
Nov 29...	0940	11	.6	.563	.427	773	8.9	75	3.9	59	--	8.6	4
Feb 13...	0915	2.4	.6	.223	.171	763	11.2	78	3.8	54	8.0	.7	5
May 01...	0950	11	.8	.569	.438	761	7.1	70	3.9	49	18.0	14.6	3
Aug 14...	0915	.69	2.2	.441	.344	763	2.8	31	4.1	50	24.5	20.3	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)	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)	Nitrate + nitrite water fltrd, mg/L as N (00631)
Nov 29...	.47	.566	.57	2.92	5.51	<.10	8.3	3.78	34	4	.27	.010	E.05
Feb 13...	.71	.767	.71	2.91	5.35	<.10	9.2	4.62	38	1	.22	.025	.30
May 01...	.52	.515	.53	2.79	5.08	<.10	5.4	4.36	43	1	.31	<.010	.08
Aug 14...	.48	.419	.70	2.66	5.51	<.10	7.1	3.03	40	9	.42	.037	<.06

01411444 WEST CREEK NEAR LEESBURG, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

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

Date	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd, mg/L (00600)	Ortho-phosphate, 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)	Boron, water, fltrd, µg/L (01020)
Nov 29...	<.02	--	--	E.006	<.008	E.005	.2	<.1	.2	12.2	14
Feb 13...	<.02	.52	--	E.007	<.008	E.005	.2	<.1	.2	4.6	8.7
May 01...	.03	.39	.42	<.010	<.008	E.005	.4	<.1	.4	11.2	13
Aug 14...	.09	--	--	<.010	E.006	.013	1.0	<.1	1.0	9.0	14