



Water-Data Report 2009

**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 (Leesburg Belleplain Road) at Hoffmans Mill, 1.5 mi upstream from Hands Millpond, 2.4 mi south of Halberton, and 4.0 mi east of Leesburg.

DRAINAGE AREA.--6.64 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

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

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Dec 3, 2008	1.53
Mar 9, 2009	0.24
May 19, 2009	5.05
Aug 11, 2009	1.00

01411444 WEST CREEK NEAR LEESBURG, NJ—Continued

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1999 to current year.

REMARKS.--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 2008 TO SEPTEMBER 2009**

Part 1 of 3

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Instan- taneous dis- charge, ft <sup>3</sup> /s (00061)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)
Dec 03...	1020	767	3.0	.300	.218	1.5	10.8	82	3.8	98	4.0	3.2	53
Mar 09...	1200	755	18.0	.333	.250	.24	9.8	87	4.0	70	9.7	3.8	48
May 19...	0910	773	13.0	.565	.430	5.0	8.0	75	4.0	57	12.5	1.0	39
Aug 11...	0930	757	28.0	.419	.324	1.0	3.5	43	4.2	50	25.8	1.1	39

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 3

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Hard- ness, water, mg/L as CaCO3 (00900)	Sus- pended solids, water, unfltrd mg/L (00530)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Total carbon, suspnd sedimnt total, mg/L (00694)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Dec 03...	7	4	.82	1.30	.90	4.05	2.4	6.47	<.08	<.04	13.1	12.9	.24
Mar 09...	5	10	.59	.766	.73	3.28	1.5	4.68	<.08	M	9.2	12.4	.29
May 19...	3	1	.40	.563	.44	2.90	.3	5.30	<.08	<.04	7.9	5.52	.32
Aug 11...	2	1	.29	.419	.56	2.59	.4	5.06	<.08	<.04	11.4	3.17	.26

## 01411444 WEST CREEK NEAR LEESBURG, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 3

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
<b>Dec</b> <b>03...</b>	.015	.04	E.004	.17	<.008	.009	.28	.45	2.37	8.5
<b>Mar</b> <b>09...</b>	.025	.04	E.004	.12	<.008	E.006	.34	.46	1.52	8.2
<b>May</b> <b>19...</b>	.010	<.04	<.010	E.02	<.008	<.008	--	--	.32	12.1
<b>Aug</b> <b>11...</b>	E.008	<.04	E.003	.03	<.008	E.007	--	--	.41	9.4