

Water-Data Report 2007

01465893 LITTLE CREEK AT CHAIRVILLE, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°53'53", long 74°47'18" referenced to North American Datum of 1983, Medford Township, Burlington County, NJ, Hydrologic Unit 02040202, at bridge on State Route 70 in Chairville, 250 feet east of Skeet Road, and 4.7 mi upstream of mouth and Southwest Branch Rancocas Creek.

DRAINAGE AREA.--6.32 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
Dec 4, 2006	8.29
Feb 5, 2007	6.90
May 3, 2007	11.7
Aug 8, 2007	2.07

01465893 LITTLE CREEK AT CHAIRVILLE, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 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 19.

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)
Dec 04...	1120	8.3	2.7	.858	.664	763	10.0	81	4.3	74	3.5	6.3	7
Feb 05...	1020	6.9	1.3	.384	.293	760	12.5	86	3.7	95	-7.0	.1	9
May 03...	1120	12	1.8	1.03	.803	764	8.0	78	4.3	76	18.5	14.8	7
Aug 08...	0950	2.1	2.9	.588	.473	755	6.4	79	5.4	118	28.0	26.1	10

**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)
Dec 04...	1.46	.830	.94	7.06	--	11.5	<.10	6.7	4.84	67	1	.51	.030
Feb 05...	1.59	1.12	.94	9.61	<5	16.6	<.10	6.0	6.73	60	6	.29	.030
May 03...	1.53	.832	1.01	8.79	<5	13.6	<.10	2.5	4.74	70	5	.58	.050
Aug 08...	1.77	1.31	1.49	16.2	<5	27.4	<.10	4.4	4.30	86	5	.44	.064

01465893 LITTLE CREEK AT CHAIRVILLE, 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)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd, mg/L (00600)	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)
Dec												
04...	E.04	.04	--	--	.011	.018	.027	.5	<.1	.5	16.5	14
Feb												
05...	.18	.04	.47	.51	E.005	E.007	.012	.5	<.1	.5	7.8	15
May												
03...	.07	.04	.64	.69	E.009	.025	.034	.6	<.1	.6	18.0	16
Aug												
08...	.07	.12	.51	.63	<.010	.020	.036	1.6	<.1	1.6	8.6	23