

01458570 NISHISAKAWICK CREEK NEAR FRENCHTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°32'39", long 75°02'47" referenced to North American Datum of 1983, Alexandria Township, Hunterdon County, NJ, Hydrologic Unit 02040105, 1.3 mi north of Frenchtown, 2.1 mi upstream from mouth and Delaware River, and 3.1 mi southeast of Milford.

DRAINAGE AREA.--10.1 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 15, 2006	16.0
Feb 8, 2007	3.69
May 8, 2007	12.0
Aug 7, 2007	1.05

01458570 NISHISAKAWICK CREEK NEAR FRENCHTOWN, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 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: Agricultural Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 11.

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 15...	1300	16	2.0	.060	.046	756	10.6	103	7.8	174	20.0	13.4	58
Feb 08...	1140	3.7	.6	.024	.018	755	16.5	113	7.8	202	1.0	.1	69
May 08...	1050	12	1.2	.042	.032	766	12.6	117	8.9	170	21.0	12.3	55
Aug 07...	1030	1.0	1.2	.045	.035	754	8.4	98	7.4	219	30.0	22.9	74

**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 water, fltrd, sum of constituents mg/L (70301)	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)
Nov 15...	14.9	4.95	2.00	9.24	39	12.7	E.05	11.9	14.2	103	107	2	.16
Feb 08...	17.4	6.25	1.36	10.6	46	15.6	<.10	11.8	14.5	119	113	3	.12
May 08...	13.9	4.83	1.25	9.85	39	13.9	<.10	3.7	13.4	91	89	<1	.15
Aug 07...	19.0	6.38	2.16	12.0	61	18.3	<.10	10.7	11.7	123	132	5	.29

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

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

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, 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)	Inor- ganic 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 15...	.012	2.13	<.02	2.3	--	.041	.042	.049	<.1	<.1	<.1	1.8	28
Feb 08...	E.010	3.09	<.02	3.2	--	.013	.012	.015	<.1	<.1	<.1	.9	22
May 08...	.010	1.41	.03	1.6	1.6	.019	.010	.013	.2	<.1	.2	1.5	20
Aug 07...	.026	1.17	<.02	1.5	--	.055	.056	.054	.2	<.1	.2	1.4	35