

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 2008 TO SEPTEMBER 2009

Date	Discharge, in ft³/s
Nov 13, 2008	6.46
Feb 4, 2009	9.85
May 11, 2009	14.9
Aug 5, 2009	16.3

01458570 NISHISAKAWICK CREEK NEAR FRENCHTOWN, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--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 2008 TO SEPTEMBER 2009

Part 1 of 3

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

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 ³ /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)
Nov 13...	1100	762	7.5	.045	.034	6.5	12.7	104	8.1	214	6.8	.9	122
Feb 04...	1100	758	-2.5	.054	.042	9.9	15.3	102	7.6	355	-1.0	1.9	191
May 11...	1130	758	16.5	.054	.041	15	10.3	101	7.7	207	14.5	3.1	168
Aug 05...	1100	754	33.0	.084	.063	16	8.8	98	7.2	190	20.1	3.6	129

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 3

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

Date	Dis- solved solids, sum of consti- tuents, mg/L (70301)	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)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	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)
Nov 13...	E121	70	<1	17.8	6.12	1.77	11.4	50	<.2	18.5	E.04	<.04	10.3
Feb 04...	E184	73	6	18.9	6.33	1.94	36.4	35	.2	66.8	<.08	<.04	9.9
May 11...	117	62	1	16.0	5.41	1.38	13.1	40	.3	22.4	<.08	<.04	11.4
Aug 05...	E114	60	2	15.7	5.01	2.36	11.9	43	.3	17.0	E.05	<.04	12.9

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 3

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

Date	Sulfate water, fltrd, mg/L (00945)	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)	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)
Nov 13...	16.8	.14	.024	1.89	.024	E.01	.025	.029	2.0	E2.0	<.12	1.6
Feb 04...	13.5	.17	E.009	2.02	--	<.02	.022	.026	2.2	--	.22	1.8
May 11...	14.8	.17	<.010	1.96	.028	.03	.032	.033	2.1	2.2	.26	1.9
Aug 05...	13.3	.21	.012	2.12	.052	.03	.054	.059	2.3	2.4	.33	2.6