



Water-Data Report 2009

01467359 NORTH BRANCH BIG TIMBER CREEK AT GLENDORA, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°50'04", long 75°04'01" referenced to North American Datum of 1983, Gloucester Township, Camden County, NJ, Hydrologic Unit 02040202, at bridge on Chews Landing-Clementon Road (County Route 683), 0.7 mi south of Glendora, 1.8 mi upstream from South Branch Big Timber Creek, and 2.5 mi north of Blackwood.

DRAINAGE AREA.--18.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1998 to current year.

REVISED RECORDS.--WDR US-2006:2002-05.

GAGE.--Staff gage.

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

Date	Discharge, in ft³/s
Nov 13, 2008	20.4
Feb 9, 2009	22.6
Jun 8, 2009	47.0
Aug 20, 2009	83.3

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976-83, 1998 to current year.

REMARKS.--Site is tide-affected; all samples collected at low tide. Cooperative Network Site Descriptor: Urban Land Use Indicator and Statewide Status, NJ Department of Environmental Protection Watershed Management Area 18.

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 5

[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 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...	0950	766	9.5	.133	.109	20	8.6	74	6.6	174	8.8	22	116
Feb 09...	0920	767	6.5	.102	.085	23	12.0	88	7.0	383	2.8	30	211
Jun 08...	1050	761	26.0	.248	.202	47	5.2	58	6.6	193	20.4	23	121
Aug 20...	1030	760	33.0	.299	.239	83	4.8	59	6.4	182	25.5	10	117

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 5

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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...	E100	49	21	14.2	3.17	3.33	11.5	30	2.0	20.1	.11	<.04	9.8
Feb 09...	E199	59	29	17.8	3.41	2.97	46.8	26	2.7	74.9	E.10	M	9.6
Jun 08...	108	54	20	16.5	3.00	2.82	13.1	32	2.4	23.4	.13	<.04	9.2
Aug 20...	E97	48	3	14.7	2.76	3.10	12.0	31	.8	22.5	E.09	M	7.9

01467359 NORTH BRANCH BIG TIMBER CREEK AT GLENDORA, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 5

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Date	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N,	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)	Barium, water, unfltrd recover- able, µg/L (01007)	Beryll- ium, water, unfltrd recover- able, µg/L (01012)	Cadmium water, unfltrd µg/L (01027)
		water, fltrd, mg/L as N (00623)											
Nov 13...	17.8	.26	.106	.48	E.006	.17	.034	.234	.74	.91	--	--	--
Feb 09...	23.7	.33	.146	.85	E.005	.21	.020	.278	1.2	1.4	76.4	.09	.32
Jun 08...	18.5	.39	.014	.44	.020	.23	.054	.285	.83	1.1	--	--	--
Aug 20...	13.9	.31	.057	.30	.013	.09	.061	.156	.61	.70	58.2	.02	E.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 5

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Date	Chrom- ium, water, unfltrd recover- able, µg/L (01034)	Copper, water, unfltrd recover- able, µg/L (01042)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Mercury water, unfltrd recover- able, µg/L (71900)	Nickel, water, unfltrd recover- able, µg/L (01067)	Silver, water, unfltrd recover- able, µg/L (01077)	Zinc, water, unfltrd recover- able, µg/L (01092)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Boron, water, unfltrd recover- able, µg/L (01022)	Selen- ium, water, unfltrd µg/L (01147)
	Nov 13...	--	--	--	--	--	--	--	--	--	--	--	--
Feb 09...	1.4	<4.0	4,230	4.07	124	.013	4.2	E.04	25.2	.35	1.2	167	.13
Jun 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug 20...	E.25	<4.0	2,530	1.09	51.5	<.010	2.3	<.06	5.4	.93	1.3	165	.16

01467359 NORTH BRANCH BIG TIMBER CREEK AT GLENDORA, NJ—Continued

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

Part 5 of 5

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quantified.]

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
Nov 13...	1.98	2.6
Feb 09...	2.68	2.1
Jun 08...	2.37	4.0
Aug 20...	.76	5.2