

01409815 WEST BRANCH WADING RIVER AT MAXWELL, NJ

MULLICA RIVER BASIN

LOCATION.--Lat 39°40'30", long 74°32'27" referenced to North American Datum of 1983, Washington Township, Burlington County, NJ, Hydrologic Unit 02040301, at bridge on County Highway 563, 0.6 mi north of Maxwell, 1.6 mi southeast of Washington, 1.8 mi southwest of Jenkins, and 2.2 mi upstream from confluence with Oswego River.

DRAINAGE AREA.--85.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1985-90, 1998 to current year.

GAGE.--Staff gage.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Date	Discharge, in ft³/s
Dec 3, 2008	84.5
Feb 17, 2009	113
May 27, 2009	70.3

01409815 WEST BRANCH WADING RIVER AT MAXWELL, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976-93, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, New Jersey Department of Environmental Protection Watershed Management Area 14.

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)
Dec 03...	0940	770	3.0	.259	.198	84	11.8	92	4.0	54	5.2	3.0	31
Feb 17...	0930	763	2.0	.259	.204	113	11.6	87	4.3	41	3.5	4.2	26
May 27...	1240	762	27.0	.418	.332	70	9.2	92	4.5	36	15.4	13	26
Aug 24...	1040	762	26.0	.952	.749	E180	5.9	69	3.8	51	22.9	6.7	46

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 3

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

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)	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)	Sulfate water, fltrd, mg/L (00945)
Dec 03...	4	3	.74	.515	.91	2.67	--	1.2	4.65	<.08	<.04	5.7	7.04
Feb 17...	4	4	.70	.455	.69	2.43	<1.7	.6	4.14	<.08	<.04	5.2	5.51
May 27...	3	16	.59	.415	.71	2.44	<1.7	6.3	4.24	E.04	<.04	5.3	3.92
Aug 24...	3	16	.53	.326	1.15	2.20	--	6.5	4.21	<.08	<.04	5.6	4.41

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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	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)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
	Dec 03...	.26	.021	<.04	E.006	.04	.009	.018	1.16
Feb 17...	.16	.016	<.04	.035	.03	.064	.085	.56	5.3
May 27...	.16	.030	<.04	E.005	.30	<.008	.127	6.33	6.8
Aug 24...	.34	<.010	<.04	E.007	.28	.018	.097	6.47	16.3