

Water-Data Report 2006

01402540 MILLSTONE RIVER AT WESTON, NJ

RARITAN RIVER BASIN

LOCATION.--Lat 40°31'47", long 74°35'18" referenced to North American Datum of 1983, Manville Borough, Somerset County, NJ, Hydrologic Unit 02030105, at downstream center pier on Wilhouski Street bridge over bypass channel at Weston, in Manville Borough, 0.8 mi south of Alma White College, and 1.9 mi north of Millstone.

DRAINAGE AREA.--271 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 1997, 1999 to current year.

GAGE.--Crest-stage gage. Datum of gage is 21.9 ft above NGVD of 1929.

REMARKS.--Radio stage telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 23.21 ft, Sep 17, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.79 ft, Oct 12.

01402540 MILLSTONE RIVER AT WESTON, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976-91, 2006.

REMARKS.--

COOPERATIVE NETWORK SITE DESCRIPTOR: Trace Element Assessment (303d) special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the New Jersey Department of Environmental Protection.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 3

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

Date	Time	Sample type	Turbidity white light, 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, of sat- uration percent (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat un- f uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
May												
19...	0925	Field Blank	--	--	--	--	--	--	--	--	--	<.02
19...	0930	Environmental	13	752	6.7	70	7.2	247	13.0	16.9	54	12.6

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 3

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

Date	Magnes- ium, water, fltrd, mg/L (00925)	Arsenic water, fltrd, ug/L (01000)	Arsenic water, unfltrd ug/L (01002)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, fltrd, ug/L (01030)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover- able, ug/L (01042)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)
May													
19...	<.008	<.12	--	<.04	--	E.03	--	<.4	--	<.08	--	<.010	--
19...	5.46	1.0	1.4	<.04	E.03	.28	.70	2.9	3.3	.41	1.10	<.010	<.010

01402540 MILLSTONE RIVER AT WESTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 3

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

Date	Nickel, water, unfltrd	Nickel, water, recover -able, fltrd,	Selen- ium, water, fltrd,	Selen- ium, water, unfltrd	Zinc, water, fltrd,	Zinc, water, unfltrd recover -able, ug/L
	ug/L (01065)	ug/L (01067)	ug/L (01145)	ug/L (01147)	ug/L (01090)	ug/L (01092)
May						
19...	<.06	--	<.08	--	<.6	--
19...	1.69	1.89	.20	.21	7.1	6