

Water-Data Report 2007

01398065 NESHANIC RIVER NEAR NESHANIC, NJ

RARITAN RIVER BASIN

LOCATION.--Lat 40°29'37", long 74°45'12" referenced to North American Datum of 1983, Hillsborough Township, Somerset County, NJ, Hydrologic Unit 02030105, at bridge on Amwell Road (County Route 514), 1.0 mi south of Woodfern, 1.1 mi upstream of mouth, and 1.8 mi west of Neshanic.

DRAINAGE AREA.--53.3 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2007.

REMARKS.--Cooperative Network Site Descriptor: Pesticide Assessment special study site.

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

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Time	Turbidity white light, det ang 90+/-30 corrctd	Baro- metric pres- sure,	Dis- solved oxygen, oxygen, of sat-	pH, water, unfiltrd percent field, std	Specif- ic conduc- tance, wat unf μS/cm	Temper- ature, air, deg C	Temper- ature, water, deg C	
		NTRU (63676)	mm Hg (00025)	mg/L (00300)	saturation (00301)	units (00400)	25 degC (00095)	deg C (00020)	deg C (00010)
Jul 03...	0945	2.9	765	5.8	62	7.7	326	20.0	18.4

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 7

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

Date	1-Naph- thol, water, 0.7u GF	2,6-Di- ethyl- aniline water, fltrd	2Chloro- -2',6'- diethyl acet- anilide water, wat flt	2-Ethyl -6- methyl- CIAT, water, fltrd,	3,4-Di- chloro- aniline water, water, fltrd,	3,5-Di- chloro- aniline water, water, fltrd,	4-Chloro- 2methyl phenol, water, water, fltrd,	Aceto- chlor, water, fltrd,	Ala- chlor, water, fltrd,	alpha- Endo- sulfan, water, fltrd,	Atra- zine, water, fltrd,	Azin- phos- methyl	
	μg/L (49295)	μg/L (82660)	μg/L (61618)	μg/L (04040)	μg/L (61620)	μg/L (61625)	μg/L (61627)	μg/L (61633)	μg/L (49260)	μg/L (46342)	μg/L (34362)	μg/L (39632)	μg/L (61635)
Jul 03...	<.09	<.006	<.006	E.028	<.010	<.004	<.012	<.005	<.006	<.005	<.011	.056	<.04

01398065 NESHANIC RIVER NEAR NESHANIC, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 7

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

Date	Azin-phos-methyl, water, 0.7u GF	Ben-flur-alin, water, 0.7u GF	Car-baryl, water, 0.7u GF	Carbo-furan, water, 0.7u GF	Chlor-pyrifos oxon, water, 0.7u GF	Chlor-pyrifos water, 0.7u GF	cis-Per-methrin water, 0.7u GF	cis-Propi-conazole, water, 0.7u GF	Cyana-zine, water, 0.7u GF	Cyflu-thrin, water, 0.7u GF	lambda-Cyhalothrin, water, 0.7u GF	Cyper-methrin water, 0.7u GF	DCPA, water, 0.7u GF
	µg/L (82686)	µg/L (82673)	µg/L (82680)	µg/L (82674)	µg/L (61636)	µg/L (38933)	µg/L (82687)	µg/L (79846)	µg/L (04041)	µg/L (61585)	µg/L (61595)	µg/L (61586)	µg/L (82682)
Jul 03...	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 7

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

Date	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)	Dicro-tophos, water, fltrd, µg/L (38454)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-oate, water, 0.7u GF (82662)	Disulf-oton, sulfone water, 0.7u GF (61640)	Disul-foton, water, 0.7u GF (82677)	Endo-sulfan, sulfate water, 0.7u GF (61590)	EPTC, water, 0.7u GF (82668)	Ethion, monoxon water, 0.7u GF (61644)	Ethion, water, 0.7u GF (82346)	Etho-prop, water, 0.7u GF (82672)	Fenami-phos sulfone water, fltrd, µg/L (61645)
Jul 03...	<.012	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 7

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

Date	Fenami-phos sulfide, water, fltrd, µg/L (61646)	Desulf-inyl-fipro-nil, nil amide, water, fltrd, µg/L (61591)	Fipro-nil sulfide water, fltrd, µg/L (62169)	Fipro-nil sulfone water, fltrd, µg/L (62167)	Fipro-nil water, fltrd, µg/L (62168)	Fipro-nil water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexa-zinone, water, fltrd, µg/L (04025)	Ipro-dione, water, fltrd, µg/L (61593)	Isofen-phos, water, fltrd, µg/L (61594)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	Metaxyl, water, fltrd, µg/L (61596)
Jul 03...	<.04	<.03	<.029	<.013	<.024	<.016	<.006	<.026	<.026	<.011	<.039	<.016	<.007

01398065 NESHANIC RIVER NEAR NESHANIC, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 7

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

Date	Methi-	Methyl	Methyl	para-	Metola-	Moli-	Oxy-	Pendi-	meth-	Phorate	Phorate	Phosmet
	althion	oxon,	water,	thion,	chlor,	buzin,	nate,	fluor-	alin,	oxon,	water,	oxon,
	water,	fen,	water,	water,	water,	water,						
	fltrd,	fltrd,	0.7u GF	fltrd,	fltrd,	0.7u GF	fltrd,	fltrd,	0.7u GF	fltrd,	0.7u GF	fltrd,
Date	µg/L											
	(61598)	(61664)	(82667)	(39415)	(82630)	(82671)	(61599)	(61600)	(82683)	(61666)	(82664)	(61668)
Jul												
03...	<.009	<.02	<.008	.018	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05
												<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 7

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

Date	Prome-	Propy-	Pro-	Propar-	Tebu-	Ter-	trans-	
	ton,	amide,	panil,	gite,	simazine,	bufos	terbu-	Thio-
	water,	water,	water,	water,	thiuron	oxon	fos,	bencarb
	fltrd,	fltrd,	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	(04037)	(04036)	(82676)	(82679)	(82685)	(04035)	(82670)	(61606)
Jul								
03...	.01	<.006	<.004	<.011	<.02	E.005	<.02	<.003
								<.04
								<.01
								<.01
								<.010
								<.03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO
SEPTEMBER 2007

Part 7 of 7

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

Date	Tri-	Di-
	flur-	chlor-
	alin,	vos,
	water,	water,
	fltrd,	fltrd,
Date	0.7u GF	0.7u GF
	µg/L	µg/L
	(61610)	(82661)
		(38775)
Jul		
03...	<.035	<.009
		<.01