

## Water-Data Report 2007

**404944074232401 Local number 272062- MW79**

 Sand and gravel aquifers (glaciated regions)  
 Stratified Drift

Morris County, NJ

LOCATION.--Lat 40°49'44", long 74°23'24" referenced to North American Datum of 1927, Parsip-Troy Hills Twp, Morris County, NJ, Hydrologic Unit 02030103.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 20 ft. Upper casing diameter 2 in; top of first opening 15 ft, bottom of last opening 20 ft.

DATUM.--Land-surface datum is 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2003, 2007.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 6. Undeveloped Land Use Indicator.

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

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

Part 1 of 13

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

Date	Time	Sample type	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbdty period prior to sampling, minutes	Baro-metric det ang 90+/-30	Disolved oxygen, pressure, mm Hg	pH, percent of saturation	water, field, std units	Specifc conductance, µS/cm
		LSD	LSD (72019)	Flow gal/min	to sample NTRU	Barometric pressure, mm Hg	Disolved oxygen, mg/L	pH, (00300)	water, (00400)	Specifc conductance, µS/cm
			(00059)	(72004)	(63676)	(00025)	(00300)	(00301)	(00400)	(00095)
<b>Jul</b>										
25..	1000	Field Blank	--	--	--	--	--	--	--	--
25..	1130	Environmental	11.00	.50	30	1.3	752	2.0	22	7.5
										577

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

Part 2 of 13

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

Date	Temp- erature, water, deg C (00010)	Hard- ness, water, mg/L as (00900)	Calcium water, mg/L (00915)	Magnes- ium, water, mg/L (00925)	Potas- sium, water, mg/L (00935)	Sodium, water, mg/L (00930)	Alka- linity, wat flt inc tit	Bicar- bonate, wat flt incr.	Chlor- ide, water, mg/L (00940)	Fluor- ide, water, mg/L (00950)	Silica, water, mg/L (00955)	Sulfate water, mg/L (00945)	Residue water, fltrd, sum of consti- tuents (70301)
<b>Jul</b>													
25..	--	--	<.02	<.014	--	<.20	--	--	--	<.02	--	--	--
25..	12.9	290	71.5	27.5	1.15	9.54	269	327	2.01	.25	20.1	22.0	316

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

Part 3 of 13

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

Date	Residue on evap. 180degC wat flt	Ammonia + org-N, mg/L (70300)	Ammonia water, fltrd, mg/L (00623)	Nitrate + nitrite water, fltrd, mg/L (00608)	Nitrite water, fltrd, mg/L (00631)	Ortho- phosphate, water, fltrd, mg/L (00613)	Organic carbon, water, fltrd, mg/L (00671)	Alum- inum, water, fltrd, mg/L (01106)	Anti- mony, water, fltrd, μg/L (01095)	Arsenic water, fltrd, μg/L (01000)	Barium, water, fltrd, μg/L (01005)	Beryll- ium, water, fltrd, μg/L (01010)	Boron, water, fltrd, μg/L (01020)
<b>Jul</b>													
25...	--	--	--	--	--	--	--	<.16	<.06	<.12	<.08	<.06	<8
25...	328	.14	E.013	.13	.011	.025	.7	E1.5	.08	.93	44	<.06	40

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

Part 4 of 13

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

Date	Cadmium water, fltrd, μg/L (01025)	Chrom- ium, water, fltrd, μg/L (01030)	Copper, water, fltrd, μg/L (01040)	Iron, water, fltrd, μg/L (01046)	Lead, water, fltrd, μg/L (01049)	Mangan- ese, water, fltrd, μg/L (01056)	Mercury water, fltrd, μg/L (71890)	Nickel, water, fltrd, μg/L (01065)	Selen- ium, water, fltrd, μg/L (01145)	Silver, water, fltrd, μg/L (01075)	Thall- ium, water, fltrd, μg/L (01057)	1-Naph- thol, water, fltrd, μg/L (01090)	Zinc, water, fltrd, μg/L (49295)
<b>Jul</b>													
25...	<.04	<.12	<.40	<6	<.12	<.2	<.010	<.06	<.08	<.1	<.04	<.60	--
25...	E.02	<.12	E.35	<6	<.12	369	<.010	.17	3.8	<.1	<.04	.82	<.09

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

Part 5 of 13

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

Date	2,6-Di- ethyl- aniline 0.7u GF water, fltrd, μg/L (82660)	2-Chloro- -2',6'- diethyl acet- anilide wat flt μg/L (61618)	2-Ethyl- -6- methyl- CIAT, water, fltrd, μg/L (04040)	3,4-Di- chloro- aniline water, fltrd, μg/L (61620)	3,5-Di- chloro- aniline water, fltrd, μg/L (61625)	4- Chloro- 2methyl aniline water, fltrd, μg/L (61627)	Aceto- phenol, water, fltrd, μg/L (61633)	Ala- chlor, water, fltrd, μg/L (49260)	alpha- Endo- sulfan, water, fltrd, μg/L (46342)	Atra- zine, water, fltrd, μg/L (34362)	Azin- phos- methyl, oxon, water, fltrd, μg/L (39632)	Azin- phos- methyl, water, fltrd, μg/L (61635)	0.7u GF
<b>Jul</b>													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	<.007	<.04	<.080

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

Part 6 of 13

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

Date	Ben-flur-alin, water, fltrd 0.7u GF	Car-baryl, water, fltrd 0.7u GF	Carbo-furan, water, fltrd 0.7u GF	Chlor-pyrifos oxon, water, fltrd 0.7u GF	Chlor-pyrifos water, fltrd 0.7u GF	cis-Per-methrin water 0.7u GF	cis-Propi-conazole, water, fltrd 0.7u GF	Cyana-zine, water, fltrd 0.7u GF	Cyflu-thrin, water, fltrd 0.7u GF	lambda-Cyhalothrin, water, fltrd 0.7u GF	Cyper-methrin water, fltrd 0.7u GF	DCPA, water, fltrd 0.7u GF	Desulf-inyl-fipro-nil, water, fltrd 0.7u GF
	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)	µg/L (62170)
<b>Jul</b>													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	<.012

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

Part 7 of 13

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

Date	Diazi-non, water, fltrd, 0.7u GF	Dicro-tophos, water, fltrd, 0.7u GF	Diel-drin, water, fltrd, 0.7u GF	Dimeth-oate, water, fltrd 0.7u GF	Disulf-oton sulfone water, fltrd 0.7u GF	Disul-foton, water, fltrd 0.7u GF	Endo-sulfan sulfate water, fltrd 0.7u GF	EPTC, water, fltrd 0.7u GF	Ethion monoxon water, fltrd 0.7u GF	Ethion, water, fltrd 0.7u GF	Etho-prop, water, fltrd 0.7u GF	Fenami-phos sulfone water, fltrd, 0.7u GF	Fenami-phos sulfide water, fltrd 0.7u GF
	µg/L (39572)	µg/L (38454)	µg/L (39381)	µg/L (82662)	µg/L (61640)	µg/L (82677)	µg/L (61590)	µg/L (82668)	µg/L (61644)	µg/L (82346)	µg/L (82672)	µg/L (61645)	µg/L (61646)
<b>Jul</b>													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04

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

Part 8 of 13

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

Date	Desulf-inyl-fipro-nil, water, fltrd, 0.7u GF	Fipro-nil, amide, water, fltrd 0.7u GF	Fipro-nil, sulfide water, fltrd 0.7u GF	Fipro-nil, water, fltrd 0.7u GF	Fonofos water, fltrd 0.7u GF	Hexa-zinone, water, fltrd 0.7u GF	Ipro-dione, water, fltrd 0.7u GF	Isofen-phos, water, fltrd 0.7u GF	Mala-oxon, water, fltrd 0.7u GF	Mala-thion, water, fltrd 0.7u GF	Meta-laxyl, water, fltrd 0.7u GF	Meth-althion, water, fltrd 0.7u GF	
	µg/L (61591)	µg/L (62169)	µg/L (62167)	µg/L (62168)	µg/L (62166)	µg/L (04095)	µg/L (04025)	µg/L (61593)	µg/L (61594)	µg/L (61652)	µg/L (39532)	µg/L (61596)	µg/L (61598)
<b>Jul</b>													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.03	<.029	<.013	<.024	<.016	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009

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

Part 9 of 13

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

Date	Methyl para-	Methyl para-	Metola-	Metri-	Moli-	Oxy-	Pendi-	Phorate	Phorate	Phosmet	Prome-	Prome-	
	oxon, water, fltrd	thion, water, fltrd	chlor, water, fltrd	buzin, water, fltrd	nate, water, fltrd	Myclo- butanil	fluor- fen, water, fltrd	meth- alin, water, fltrd	oxon, water, fltrd	water, fltrd	ton, water, fltrd	tryn, water, fltrd	
	0.7u GF	0.7u GF	(39415)	(82630)	0.7u GF	(61599)	(61600)	(82683)	(61666)	(82664)	(61601)	(04037)	(04036)
<b>Jul</b>													
25...	--	--	--	--	--	--	--	--	--	--	--	--	
25...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.008	<.01	

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

Part 10 of 13

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

Date	Propy- zamide, water, fltrd	Pro- panil, water, fltrd	Propar- gite, water, fltrd	Sima- zine, water, fltrd	Tebu- thiuron	Teflu- thrin, water, fltrd	Ter- bufos	Terbu- fos, sulfone	Ter- butyl- azine, water, fltrd	Thio- bencarb	trans- Propri- cona- zole, water, fltrd	Tri- flur- alin, water, fltrd
	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF
	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
<b>Jul</b>												
25...	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.004	<.011	<.02	<.006	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035

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

Part 11 of 13

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

Date	1,1,1- Tri- chloro- ethane, water, unfltrd	CFC-113	1,1-Di- chloro- ethane, water, unfltrd	1,1-Di- chloro- ethene, water, unfltrd	1,2-Di- chloro- benzene	1,2-Di- chloro- ethane, water, unfltrd	1,2-Di- chloro- propane	1,3-Di- chloro- benzene	1,4-Di- chloro- benzene	Benzene	Bromodi- chloro- methane	cis- chloro- ethene, benzene
	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
	(34506)	(77652)	(34496)	(34501)	(34536)	(32103)	(34541)	(34566)	(34571)	(34030)	(32101)	(34301)
<b>Jul</b>												
25...	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1

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

Part 12 of 13

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

Date	Di-bromo-chloro-methane water, unfltrd	Di-chloro-fluoro-methane wat unf	Di-chloro-methane water, unfltrd	Di-ethyl ether, water, unfltrd	Diisopropyl ether, water, unfltrd	Ethyl-benzene	tert-pentyl ether, water, unfltrd	meta-+ para-Xylene, water, unfltrd	o-Xylene, water, unfltrd	Styrene	t-Butyl ethyl ether, water, unfltrd	Methyl t-butyl ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd
	µg/L (32105)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)
<b>Jul</b>													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2	<.1

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

Part 13 of 13

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

Date	Tetra-chloro-methane water, unfltrd	Toluene	trans-1,2-Di-chloro-ethene, water, unfltrd	Tri-bromo-methane	Tri-chloro-ethene, water, unfltrd	Tri-fluoro-methane	Vinyl chloride, water, unfltrd	Di-chloro-vos, water, fltrd,	Alpha radioac, 30 day, Th-230,	Alpha radioac, 72 hr, Th-230,	Beta radioac, 30 day, Cs-137,	Beta radioac, 72 hr, wat flt	
	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (32104)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	pCi/L (38775)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)
<b>Jul</b>													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	<.01	-2.6	.4	1.4	-.2