

Water-Data Report 2006

405220074482201 Local number 272037 MW84 NJ Permit Number 24-40687

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Morris County, NJ

LOCATION.--Lat 40°52'20", long 74°48'22" referenced to North American Datum of 1927, Mount Olive Township, Morris County, NJ, Hydrologic Unit 02040105, in Stephens State Park near the office parking lot.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 57.5 ft. Upper casing diameter 2 in; top of first opening 42.5 ft, bottom of last opening 57.5 ft.

DATUM.--Land-surface datum is 615 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--WY 2001, WY 2006.

REMARKS.--NJDEP Watershed Management Area 1. 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 2005 TO SEPTEMBER 2006**

Part 1 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity white light, det ang	Barometric pressure, 90+/-30 corctd	Dissolved oxygen, mg/L	pH, water, unfltrd field, std units	Specific conductance, uS/cm	Temperature, water, deg C	Hardness, water, mg/L as CaCO3	Calcium water, mg/L
	LSD (72019)	gal/min (00059)	to sam- pling, minutes	NTRU (72004)	mm Hg (63676)	(00025)	(00300)	(00301)	(00400)	(00095)	(00900)
Jun 21...	1030	34.00	.50	50	.3	748	6.7	61	7.9	401	10.5
										190	41.1

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 11

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Date	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt	Bicar- bonate, wat flt	Chlor- ide, incr. titr., field, mg/L as CaCO3 (39086) (00453)	Fluor- ide, water, field, mg/L (00940)	Silica, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue sum of consti- tuents (70301)	Residue evap. at 180degC (70300)	Ammonia on water, fltrd, mg/L as N (00623)	Ammonia + water, fltrd, mg/L as N (00608)
Jun 21...	22.3	.78	9.23	167	203	14.6	E.07	13.2	14.3	216	222	<.10	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 11

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Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)
Jun 21...	.20	<.002	.019	.4	E1.0	<.20	E.11	12	<.06	E6	<.04	.26	E.3

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 11

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Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury, water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Thall- ium, water, fltrd, ug/L (01057)	Zinc, water, fltrd, ug/L (01090)	2,6-Di- ethyl- aniline water, fltrd, 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)
Jun 21...	<6	<.08	<.2	<.010	.66	.11	<.2	E.02	E.4	<.006	<.014	<.006	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 11

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Date	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos- methyl, water, fltrd 0.7u GF (82686)	Ben-flur- alin, water, fltrd 0.7u GF (82673)	Car- baryl, water, fltrd 0.7u GF (04028)	Carbo- furan, water, fltrd 0.7u GF (82680)	Chlor-pyrifos, water, fltrd 0.7u GF (82674)	cis-Per- methrin water, fltrd 0.7u GF (38933)	Cyana- zine, water, fltrd 0.7u GF (82687)	DCPA, water, fltrd 0.7u GF (04041)	Desulf- inyl fipro- nil, water, fltrd, ug/L (82682)	
Jun 21...	<.005	E.002	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 6 of 11

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	Diazi-	Diel-	Disul-	EPTC,	Ethal-	Etho-	inyl-	Fipro-	Fipro-	Fipro-	Fonofos	Lindane
Date	non, water, filtrd, filtrd, ug/L (39572)	drin, water, filtrd, filtrd, ug/L (39381)	foton, water, filtrd 0.7u GF ug/L (82677)	water, water, filtrd 0.7u GF ug/L (82668)	flur- alin, water, filtrd 0.7u GF ug/L (82663)	prop, water, filtrd 0.7u GF ug/L (82672)	amide, wat flt ug/L (82672)	nil nil water, filtrd, ug/L (62169)	sulfide water, filtrd, ug/L (62167)	nil water, filtrd, ug/L (62168)	water, filtrd, ug/L (62166)	(04095) (39341)
Jun 21...	<.005	<.009	<.02	<.004	<.009	<.012	<.029	<.013	<.024	<.016	<.005	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 7 of 11

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	Methyl para-thion, Metola-chlor, Metri-buzin, Metri-nate, Naprop-amide, p,p'-DDE, Para-thion, Peb-ulate, Pendimethalin, Phorate, Prometon,											
Date	Linuron 0.7u GF ug/L (82666)	Mala-thion, filtrd, 0.7u GF ug/L (39532)	water, water, ug/L (82667)	water, water, ug/L (39415)	water, water, ug/L (82630)	water, water, ug/L (82671)	water, water, ug/L (82684)	p,p'-DDE, water, ug/L (34653)	Para-thion, filtrd, ug/L (39542)	Peb-ulate, water, ug/L (82669)	Phorate, water, ug/L (82683)	Prometon, water, ug/L (82664) (04037)
Jun 21...	<.035	<.027	<.015	<.006	<.028	<.003	<.007	<.003	<.010	<.004	<.022	<.055 M

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 8 of 11

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	Propy-zamide, water, filtrd, 0.7u GF ug/L (82676)	Propa-chlor, filtrd, 0.7u GF ug/L (04024)	Pro-panal, water, filtrd, 0.7u GF ug/L (82679)	Propar-gite, water, filtrd, 0.7u GF ug/L (82685)	Tebu-simazine, water, filtrd, 0.7u GF ug/L (04035)	Terba-thiuron, water, filtrd, 0.7u GF ug/L (82670)	Terbu-cil, water, filtrd, 0.7u GF ug/L (82665)	Terbu-fos, water, filtrd, 0.7u GF ug/L (82675)	Thio-bencarb, water, filtrd, 0.7u GF ug/L (82681)	Tri-allate, water, filtrd, 0.7u GF ug/L (82678)	flur-alin, water, filtrd, 0.7u GF ug/L (82661)	1,1,1-trichloro-ethane, water, unfiltrd, ug/L CFC-113 (77652)	
Date	Propy-zamide, water, filtrd, 0.7u GF ug/L (82676)	Propa-chlor, filtrd, 0.7u GF ug/L (04024)	Pro-panal, water, filtrd, 0.7u GF ug/L (82679)	Propar-gite, water, filtrd, 0.7u GF ug/L (82685)	Tebu-simazine, water, filtrd, 0.7u GF ug/L (04035)	Terba-thiuron, water, filtrd, 0.7u GF ug/L (82670)	Terbu-cil, water, filtrd, 0.7u GF ug/L (82665)	Terbu-fos, water, filtrd, 0.7u GF ug/L (82675)	Thio-bencarb, water, filtrd, 0.7u GF ug/L (82681)	Tri-allate, water, filtrd, 0.7u GF ug/L (82678)	flur-alin, water, filtrd, 0.7u GF ug/L (82661)	1,1,1-trichloro-ethane, water, unfiltrd, ug/L CFC-113 (77652)	
Jun 21...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006	<.009	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 9 of 11

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Date	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	Bromo-di-chloro-methane	Chloro-benzene	water, unfltrd	cis-1,2-Di-chloro-ethene, water, unfltrd	Di-bromo-chloro-methane	Di-chloro-fluoromethane
	ug/L (34496)	ug/L (34501)	ug/L (34536)	ug/L (32103)	ug/L (34541)	ug/L (34566)	ug/L (34571)	ug/L (34030)	ug/L (32101)	ug/L (34301)	ug/L (77093)	ug/L (32105)	ug/L (34668)	
Jun 21...	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2

WATER-QUALITY DATA
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Part 10 of 11

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Date	Di-chloro-methane, water unfltrd	Di-ethyl ether, water, unfltrd	Diiso-propyl ether, water, unfltrd	Ethyl-benzene	tert-pentyl ether, water, unfltrd	meta+para-ether, water, unfltrd	o-Xylene, water, unfltrd	Styrene	t-Butyl ethyl ether, water, unfltrd	Methyl t-butyl ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd	Tetra-chloro-methane, water, unfltrd	Toluene ug/L (34423)	
	ug/L (34423)	ug/L (81576)	ug/L (81577)	ug/L (34371)	ug/L (50005)	ug/L (85795)	ug/L (77135)	ug/L (77128)	ug/L (50004)	ug/L (78032)	ug/L (34475)	ug/L (32102)	ug/L (34010)	
Jun 21...	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.1	<.2	<.1	<.2	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 11 of 11

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Date	trans-1,2-Di-chloro-ethene, water, unfltrd	Tri-bromo-methane	Tri-chloro-ethene, water, unfltrd	Tri-fluoro-methane	Tri-chloro-methane	Vinyl chloride, water, unfltrd	Alpha radioac	Alpha radioac	Alpha radioac	Beta	Beta	Beta	
	ug/L (34546)	ug/L (32104)	ug/L (39180)	ug/L (34488)	ug/L (32106)	ug/L (39175)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)	pCi/L (62642)	pCi/L (62642)	
Jun 21...	<.1	<.2	<.1	<.2	<.1	<.2	-1.1	-1.1	-1.1	1.1	1.1	.5	