

## Water-Data Report 2006

**402606074163401 Local number 231456 MW103 Repl NJ Permit Number 29-13544**

Northern Atlantic Coastal Plain aquifer system  
 Magothy-Raritan-Potomac Aquifer System, Upper Aquifer

Middlesex County, NJ

LOCATION.--Lat 40°26'05.7", long 74°16'34.3" referenced to North American Datum of 1983, Old Bridge Township, Middlesex County, NJ, Hydrologic Unit 02030104, in Cheesquake State Park, 300 ft southwest of Perrine's Rd, near Perrine Pond.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 31.2 ft. Upper casing diameter 2 in; top of first opening 22.2 ft, bottom of last opening 31.2 ft.

DATUM.--Land-surface datum is 50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--WY 2006.

REMARKS.--NJDEP Watershed Management Area 12. Undeveloped Land Use Indicator.

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

Part 1 of 11

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

Date	Time	Depth to water, feet below	Pump or flow rate, instantaneous	Turbidity period	Barometric pressure, 90+/-30 det ang	Dissolved oxygen, mg/L	pH, water, unfltrd field, std	Specific conductance, uS/cm	Temperature, wat unf	Hardness, water, mg/L as CaCO3	Calcium water, mg/L
		LSD (72019)	Flow gal/min (00059)	Flow period, minutes (72004)	NTRU (63676)	(00025)	(00300)	(00400)	25 degC (00095)	(00010)	(00900) (00915)
Jul 11...	1330	24.74	.10	180	12	754	5.2	52	4.1	98	14.9
											21 4.79

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

Part 2 of 11

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

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit	Chloride, field, mg/L as CaCO3 (39086)	Fluoride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue evap. at 180degC (70300)	Ammonia org-N, mg/L as N (00623)	Nitrate, water, fltrd, mg/L as N (00608)	Nitrite, water, fltrd, mg/L as N (00631)
										+ +	+ +	+ +
Jul 11...	2.22	1.22	3.34	<1	5.86	<.10	5.8	24.6	53	<.10	<.010	<.06
												<.002

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

Part 3 of 11

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

Date	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)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)
Jul 11...	E.004	.8	668	<.20	E.11	61	.11	E5	.24	1.6	2.2	20	1.61

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

Part 4 of 11

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

Date	Manganese, 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, CIAT, water, fltrd, ug/L (82660)	Aceto-chlor, water, fltrd, ug/L (04040)	Ala-chlor, water, fltrd, ug/L (49260)	alpha-HCH, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)
Jul 11...	70.7	<.010	9.7	.12	<.2	.06	106	<.006	<.014	<.006	<.005	<.005

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

Part 5 of 11

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

Date	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-flur-alin, water, fltrd, ug/L (82686)	Ben-flur-alin, water, fltrd, ug/L (82673)	Car-butyl-ate, water, fltrd, ug/L (04028)	Carbo-furan, water, fltrd, ug/L (82680)	cis-Chlor-pyrifos, water, fltrd, ug/L (82674)	Per-methrin, water, fltrd, ug/L (38933)	Cyana-zine, water, fltrd, ug/L (82687)	DCPA, water, fltrd, ug/L (04041)	Desulf-inyl fipronil, water, fltrd, ug/L (82682)	Diazi-non, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)
Jul 11...	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005

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

Part 6 of 11

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

Date	Disulfoton, water, filtrd, 0.7u GF ug/L (39381)	EPTC, water, filtrd 0.7u GF ug/L (82677)	Ethal-flur-alin, water, filtrd 0.7u GF ug/L (82668)	Etho-prop, water, filtrd 0.7u GF ug/L (82663)	Desulf-inyl-fipro-nil water, nil amide, wat flt ug/L (82672)	Fipro-nil water, filtrd, filtrd, ug/L (62169)	Fipro-nil water, filtrd, filtrd, ug/L (62167)	Fipro-nil water, filtrd, filtrd, ug/L (62168)	Fonofos (04095)	Lindane (39341)	Linuron water, filtrd, 0.7u GF ug/L (82666)	Mala-thion, water, filtrd, ug/L (39532)	
Jul 11...	<.009	<.02	<.004	<.009	<.012	<.029	<.013	<.024	<.016	<.005	<.004	<.035	<.027

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

Part 7 of 11

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

Date	Methyl para-thion, water, filtrd, 0.7u GF ug/L (82667)	Metola-chlor, water, filtrd, ug/L (39415)	Metribuzin, water, filtrd, 0.7u GF ug/L (82630)	Moli-nate, water, filtrd 0.7u GF ug/L (82671)	Naprop-amide, water, filtrd 0.7u GF ug/L (82684)	p,p'-DDE, water, filtrd 0.7u GF ug/L (34653)	Para-thion, water, filtrd, filtrd, ug/L (39542)	Peb-ulate, water, filtrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, filtrd 0.7u GF ug/L (82683)	Phorate water, filtrd 0.7u GF ug/L (82664)	Prome-ton, water, filtrd 0.7u GF ug/L (04037)	Propy-zamide, water, filtrd, 0.7u GF ug/L (82676)	Propa-chlor, water, filtrd, ug/L (04024)
Jul 11...	<.015	<.006	<.028	<.003	<.007	<.003	<.010	<.004	<.022	<.055	<.01	<.004	<.010

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

Part 8 of 11

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

Date	Propanil, water, filtrd, 0.7u GF ug/L (82679)	Propar-gite, water, filtrd 0.7u GF ug/L (82685)	Sima-zine, water, filtrd 0.7u GF ug/L (04035)	Tebu-thiuron water, filtrd 0.7u GF ug/L (82670)	Terba-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)	Tri-flur-alin, water, filtrd 0.7u GF ug/L (82661)	1,1,1-Tri-chloro-ethane, water, unfiltrd 0.7u GF ug/L (34506)	CFC-113 water, unfiltrd 0.7u GF ug/L (77652)	1,1-Di-chloro-ethane, water, unfiltrd 0.7u GF ug/L (34496)	1,1-Di-chloro-ethene, water, unfiltrd 0.7u GF ug/L (34501)
Jul 11...	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006	<.009	<.1	<.1	<.1	<.1

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

Part 9 of 11

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

Date	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water, unfltrd ug/L (34541)	1,3-Di-chloro-benzene water, unfltrd ug/L (34566)	1,4-Di-chloro-benzene Benzene water, unfltrd ug/L (34571)	Bromo-di-chloro-methane water, unfltrd ug/L (34030)	cis-chloro-ethene, water, unfltrd ug/L (32101)	Di-bromo-chloro-methane water, unfltrd ug/L (77093)	Di-chloro-fluoro-methane wat unf ug/L (32105)	Di-chloro-methane water, unfltrd ug/L (34668)	Di-ethyl ether, water, unfltrd ug/L (34423)
Jul 11...	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2

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

Part 10 of 11

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

Date	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl-benzene water, unfltrd ug/L (34371)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta-+ para-Xylene, water, unfltrd ug/L (85795)	o-Xylene, water, unfltrd ug/L (77135)	Styrene water, unfltrd ug/L (77128)	t-Butyl ether, water, unfltrd ug/L (50004)	Methyl ether, water, unfltrd ug/L (78032)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water, unfltrd ug/L (32102)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34010)	Tri-bromomethane water, unfltrd ug/L (32104)
Jul 11...	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2	<.1	<.2	<.1	<.1

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

Part 11 of 11

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

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-fluoro-methane water, unfltrd ug/L (34488)	Tri-chloro-methane water, unfltrd ug/L (32106)	Vinyl chloride, unfltrd ug/L (39175)	Alpha radioac Th-230, pCi/L (62639)	Alpha radioac Th-230, pCi/L (62636)	Beta radioac Cs-137, pCi/L (62645)	Beta radioac Cs-137, pCi/L (62642)
Jul 11...	<.1	<.2	1.9	<.2	4.0	10.1	5.6	12.4