

Water-Data Report 2006

401531074172801 Local number 250798 MW69 NJ Permit Number 29-45122

 Northern Atlantic Coastal Plain aquifer system
 Red Bank Sand

Monmouth County, NJ

LOCATION.--Lat 40°15'31", long 74°17'28" referenced to North American Datum of 1927, Freehold Township, Monmouth County, NJ, Hydrologic Unit 02030105, Rt 33 Business and Rt 9.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 22 ft. Upper casing diameter 2 in; top of first opening 17 ft, bottom of last opening 22 ft.

DATUM.--Land-surface datum is 150 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

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

REMARKS.--NJDEP Watershed Management Area 9. Urban 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.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity	Barometric pressure, 90+/-30 det ang	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)	Flow rate, gal/min	Time, minutes	NTRU	mm Hg (00025)	(00300)	(00400)	(00095)	(00010)	(00900)	(00915)
Jun 13...	1000	13.00	.50	30	.1	758	.4	4	4.9	822	13.8
											40
											4.73

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 11

[Remark codes: <, 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	Bicarbonate, wat flt incr. titr., field, mg/L as CaCO3 (39086) (00453)	Chloride, titr., field, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents, mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Jun 13...	6.83	2.04	118	3	4	220	<.10	11.6	4.65	398	418	4.1	3.80

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 11

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

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 13...	4.96	<.002	.007	E.3	43.8	<.20	<.12	31	.12	18	1.18	2.1	E.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 11

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

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 13...	<6	E.04	195	<.010	51.4	.27	<.2	E.03	148	<.006	<.014	<.006	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 11

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

Date	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos- flur- alin, 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)	Carbo-pyrifos, water, fltrd 0.7u GF (82674)	Chlor-pyrifos, water, fltrd 0.7u GF (38933)	cis-Per-methrin water, fltrd 0.7u GF (82687)	Cyana-zine, water, fltrd 0.7u GF (04041)	DCPA, water, fltrd 0.7u GF (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	
Jun 13...	<.005	<.007	<.050	<.010	<.004	<.041	E.040	<.005	<.006	<.018	<.003	<.012	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 6 of 11

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

Date	Diazi-	Diel-	Disul-	EPTC,	Ethal-	Desulf-	Fipro-	Fipro-	Fipro-	Fonofos	Lindane	
	non, water, fltrd, ug/L (39572)	drin, water, fltrd, ug/L (39381)	foton, water, fltrd, 0.7u GF ug/L (82677)	water, water, fltrd, 0.7u GF ug/L (82668)	flur- alin, water, water, 0.7u GF ug/L (82663)	Etho- prop, water, fltrd, 0.7u GF ug/L (82672)	inyl- fipro- nil amide, wat flt ug/L (62169)	nil sulfide water, fltrd, ug/L (62167)	sulfide water, fltrd, ug/L (62168)	nil, water, fltrd, ug/L (62166)	water, fltrd, ug/L (04095)	water, fltrd, ug/L (39341)
Jun 13...	<.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

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

Date	Methyl para-thion, Metola-chlor, Metri-buzin, Metri-nate, Naprop-amide, p,p'-DDE, Para-thion, Peb-ulate, Pendimethalin, Phorate, Prometon,												
	Linuron water, fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd 0.7u GF ug/L (39532)	water, fltrd 0.7u GF ug/L (82667)	water, fltrd 0.7u GF ug/L (39415)	water, fltrd 0.7u GF ug/L (82630)	water, fltrd 0.7u GF ug/L (82671)	water, fltrd 0.7u GF ug/L (82684)	water, fltrd 0.7u GF ug/L (34653)	water, fltrd 0.7u GF ug/L (39542)	water, fltrd 0.7u GF ug/L (82669)	water, fltrd 0.7u GF ug/L (82683)	water, fltrd 0.7u GF ug/L (82664)	Prometon, (04037)
Jun 13...	<.035	<.027	<.015	.014	<.028	<.003	<.007	<.003	<.010	<.004	<.022	<.055	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 8 of 11

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

Date	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd 0.7u GF ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd 0.7u GF ug/L (04035)	Tebu-thiuron, water, fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb, water, fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1-trichloro-ethane, water, unfltrd ug/L (34506)	CFC-113
	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd 0.7u GF ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd 0.7u GF ug/L (04035)	Tebu-thiuron, water, fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb, water, fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1-trichloro-ethane, water, unfltrd ug/L (34506)	(77652)
Jun 13...	<.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

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

Date	1,1-Di-chloro-ethane, water unfltrd	1,1-Di-chloro-ethene, water unfltrd	1,2-Di-chloro-benzene water unfltrd	1,2-Di-chloro-ethane, water unfltrd	1,2-Di-chloro-propane water unfltrd	1,3-Di-chloro-benzene water unfltrd	1,4-Di-chloro-benzene water unfltrd	Benzene water unfltrd	Bromo-di-chloro-methane water unfltrd	Chloro-benzene water unfltrd	cis-1,2-Di-chloro-ethene, water unfltrd	Di-bromo-chloro-methane water unfltrd	Di-chloro-fluoro-methane water wat unf	
	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 13...	<.1	<.1	<.1	<.2	<.1	<.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: <, less than; E, estimated.]

Date	Di-chloro-methane water unfltrd	Di-ethyl ether, water unfltrd	Diiso-propyl ether, water unfltrd	Ethyl-benzene water unfltrd	Methyl-tert-pentyl water unfltrd	meta-+ para-ether, Xylene, water unfltrd	o-Xylene, water unfltrd	Styrene water unfltrd	t-Butyl ethyl ether, water unfltrd	Methyl t-butyl ether, water unfltrd	Tetra-chloro-ethene, water unfltrd	Tetra-chloro-methane water unfltrd	Toluene water unfltrd	
	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 13...	<.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

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

Date	trans-1,2-Di-chloro-ethene, water unfltrd	Tri-bromo-methane water unfltrd	Tri-chloro-ethene, water unfltrd	Tri-fluoro-methane water unfltrd	Tri-chloro-methane water unfltrd	Vinyl chloride, water unfltrd	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)
	ug/L (34546)	ug/L (32104)	ug/L (39180)	ug/L (34488)	ug/L (32106)	ug/L (39175)	30 day, wat flt	72 hr, wat flt	30 day, wat flt	72 hr, wat flt
Jun 13...	<.1	<.2	<.1	<.2	2.5	<.2	.0	1.2	2.1	2.5