

## Water-Data Report 2006

**402323074280901 Local number 231359 MW102 NJ Permit Number 28-48900**

Northern Atlantic Coastal Plain aquifer system  
 Undifferentiated Holocene, Pleistocene, Pliocene, And Miocene

Middlesex County, NJ

LOCATION.--Lat 40°23'23", long 74°28'09" referenced to North American Datum of 1927, So Brunswick Township, Middlesex County, NJ, Hydrologic Unit 02030105, in Pigeon Swamp State Park near Deans - Rhode Hall Rd.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 14.5 ft. Upper casing diameter 2 in; top of first opening 9.5 ft, bottom of last opening 14.5 ft.

DATUM.--Land-surface datum is 100 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

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

REMARKS.--NJDEP Watershed Management Area 9. 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 level, feet below	Pump flow rate, instantaneous	Turbidity period prior to sampling, minutes	Turbidity white light, det ang 90+/-30	Barometric pressure, corctd NTRU	Dissolved oxygen, mg/L	pH, water, percent of saturation	Specific conductance, mS/cm	Temperature, water, deg C	Hardness, water, mg/L as CaCO3	Calcium water, mg/L	
	LSD (72019)	(00059)	gal/min (72004)	minutes		mm Hg (63676)	(00025)	(00300)	(00400)	25 degC (00095)	(00010)	(00900) (00915)	
Jun 21...	1030	2.72	.50	45	7.6	764	.2	2	5.8	303	11.5	36	4.28

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

Part 2 of 11

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

Date	Magnesium, water, mg/L	Potassium, water, mg/L	Sodium, water, mg/L	Alkalinity, wat flt inc tit	Bicarbonate, wat flt incr.	Chloride, titr., field, mg/L	Fluoride, water, field, mg/L	Silica, water, fltrd, mg/L	Sulfate, water, fltrd, mg/L	Residue water, fltrd, sum of constituents, 180degC	Residue on evap. at 180degC, wat flt	Ammonia + org-N, water, mg/L as N	Nitrite + water, mg/L as N
	(00925)	(00935)	(00930)			(39086)	(00453)	(00940)	(00950)	(00955)	(70301)	(70300)	(00623) (00631)
Jun 21...	6.14	2.08	2.86	111	136	4.07	<.10	7.6	34.4	187	147	1.4	<.06

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

Part 3 of 11

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

Date	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)	Iron, water, fltrd, ug/L (01046)
Jun 21...	.005	<.012	5.4	4.4	<.20	3.3	61	<.06	<8	<.04	.09	E.3	57,300

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

Part 4 of 11

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

Date	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury, water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Selen-iun, 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-Diethyl-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)	alpha-HCH, water, fltrd, ug/L (34253)
Jun 21...	.09	1,740	<.010	1.39	.09	<.2	E.02	6.4	<.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	Atrazine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, 0.7u GF (82686)	Ben-flur-alin, water, fltrd, 0.7u GF (82673)	Car-butyl-ate, water, fltrd, 0.7u GF (04028)	Carbo-furan, water, fltrd, 0.7u GF (82680)	cis-Chlor-pyrifos, water, fltrd, 0.7u GF (82674)	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 fipronil, water, fltrd, ug/L (82682)	Diazi-non, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)
Jun 21...	<.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, ug/L (39381)	EPTC, water, filtrd, ug/L (82677)	Ethal-flur-alin, water, water, filtrd 0.7u GF 0.7u GF	Etho-prop, water, filtrd 0.7u GF	Desulf-inyl-fipro-nil nil amide, wat fit wat fit ug/L ug/L (82663)	Fipro-sulfide water, filtrd, ug/L (62169)	Fipro-nil water, filtrd, ug/L (62167)	Fipro-nil water, filtrd, ug/L (62168)	Fipro-nil, Fonofos water, filtrd, ug/L (62166)	Fonofos water, filtrd, ug/L (04095)	Lindane water, filtrd, ug/L (39341)	Linuron water, filtrd 0.7u GF ug/L (82666)
Jun 21...	<.009	<.02	<.004	<.009	<.012	<.029	<.013	<.024	<.016	<.005	<.004	<.035

**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, ug/L (39532)	Metola-chlor, water, filtrd, ug/L (82667)	Metri-buzin, water, filtrd, ug/L (39415)	Moli-nate, water, filtrd 0.7u GF	Naprop-amide, water, filtrd 0.7u GF	p,p'-DDE, water, filtrd 0.7u GF	Para-thion, water, filtrd, ug/L (82630)	Peb-ulate, water, filtrd 0.7u GF	Pendi-meth-alin, water, filtrd 0.7u GF	Phorate water, filtrd 0.7u GF	Promo-ton, water, filtrd 0.7u GF	Propyzamide, water, filtrd 0.7u GF ug/L (82676)	
Jun 21...	<.027	<.015	<.006	<.028	<.003	<.007	<.003	<.010	<.004	<.022	<.055	<.01	<.004

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

Part 8 of 11

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

Date	Propachlor, water, filtrd, ug/L (04024)	Propanil, water, filtrd, ug/L (82679)	Propar-gite, water, filtrd 0.7u GF	Sima-zine, water, filtrd 0.7u GF	Tebu-thiuron water, filtrd 0.7u GF	Terba-cil, water, filtrd 0.7u GF	Terbu-fos, water, filtrd 0.7u GF	Thio-bencarb water, filtrd 0.7u GF	Tri-allate, water, filtrd 0.7u GF	Tri-flur-alin, water, filtrd 0.7u GF	1,1,1-trichloro-ethane, water, unfiltrd ug/L (34506)	CFC-113 water, unfiltrd ug/L (77652)	1,1-Dichloro-ethane, water, unfiltrd ug/L (34496)
Jun 21...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006	<.009	<.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	1,1-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	Bromo-chloro-methane	cis-di-chloro-ethene, water, unfltrd	1,2-Di-bromo-chloro-methane	Di-fluoro-methane	Di-chloro-methane	
	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)	ug/L (34423)
Jun 21...	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2

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

Part 10 of 11

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

Date	Di-ethyl ether, water, unfltrd	Diiso-propyl ether, water, unfltrd	Ethyl-benzene, water, unfltrd	Methyl tert-pentyl	meta-+ para-o-Xylene, water, unfltrd	Xylene, water, unfltrd	Styrene	t-Butyl ethyl ether, water, unfltrd	Methyl t-butyl ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd	Tetra-chloro-methane	Toluene	trans-1,2-Di-chloro-ethene, water, unfltrd
	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)	ug/L (34546)
Jun 21...	<.2	<.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-bromo-methane, water, unfltrd	Tri-chloro-ethene, water, unfltrd	chloro-fluoro-methane, water, unfltrd	Tri-chloro-methane, water, unfltrd	Vinyl chloride, water, unfltrd	Alpha radioac 30 day, Th-230, ug/L	Alpha radioac 72 hr, Th-230, ug/L	Alpha radioac 30 day, Cs-137, ug/L	Beta radioac 72 hr, wat flt, ug/L	Beta radioac 30 day, Cs-137, ug/L	Beta radioac 72 hr, wat flt, ug/L
	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 (62645)	pCi/L (62642)
Jun 21...	<.2	<.1	<.2	<.1	<.2	.2	.8	3.3	2.9		