



Water-Data Report 2006

402046074261901 Local number 231368 MW126 NJ Permit Number 28-50597

Northern Atlantic Coastal Plain aquifer system
 Old Bridge Sand Member of Magothy Formation
 Middlesex County, NJ

LOCATION.--Lat 40°20'46", long 74°26'19" referenced to North American Datum of 1927, Jamesburg Borough, Middlesex County, NJ, Hydrologic Unit 02030105, in Thompson County Park near Perrinville Rd and Forsgate Dr.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 37.83 ft. Upper casing diameter 2 in; top of first opening 32.83 ft, bottom of last opening 37.83 ft.

DATUM.--Land-surface datum is 65 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.

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

Part 1 of 12

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

Date	Time	Sample type	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Turbidity white light, 90+/-30 corrected NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)
Aug 21...	0945	Ambient Blank	--	--	--	--	--	--	--	--	--
Aug 21...	1010	Environmental	14.30	.50	47	.2	763	5.0	49	4.5	144

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

Part 2 of 12

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

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water fltrd, inc tit mg/L as CaCO3 (39086)	Bicarbonate, water fltrd, incrm. titr., mg/L (00453)	Chloride, water, fltrd, 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)
Aug 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug 21...	14.4	28	7.74	2.19	2.31	10.6	3	4	20.1	<.10	2.9	18.4	72

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 12

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

Date	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)	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)	Aluminum, water, fltrd, ug/L (01106)	Anti-mony, water, fltrd, ug/L (01095)	Arsenic, water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)
Aug 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	75	E.07	<.010	1.36	<.002	E.005	.7	233	<.20	.13	30	.13	28

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 12

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

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury, water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Thallium, water, fltrd, ug/L (01057)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethyl-aniline water, fltrd, 0.7u GF (82660)
Aug 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	16.1	.14	.96	E3	.59	8.1	<.010	.63	.36	<.2	<.04	14.9	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 12

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

Date	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)	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)	Butyl-ate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd, 0.7u GF (82680)	Carbo-furan, water, fltrd, 0.7u GF (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water, fltrd, 0.7u GF (82687)
Aug 21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.014	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 6 of 12

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

Date	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd, 0.7u GF ug/L (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd, 0.7u GF ug/L (82677)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd, 0.7u GF ug/L (82663)	Etho- prop, water, fltrd, 0.7u GF ug/L (82672)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)
Aug 21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.012	<.029	<.013	<.024

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 7 of 12

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

Date	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water, fltrd, 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd, 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd, 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd, 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd, 0.7u GF ug/L (82669)
Aug 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.016	<.005	<.004	<.035	<.027	<.015	<.006	<.028	<.003	<.007	<.003	<.010	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 8 of 12

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

Date	Pendi- meth- alin, water, fltrd, 0.7u GF ug/L (82683)	Phorate water, fltrd, 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd, 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd, 0.7u GF ug/L (82679)	Propar- gite, water, fltrd, 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, 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)
Aug 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.022	<.055	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 9 of 12

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

Date	Tri-fluor-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,1-CFC-113 water unfltrd ug/L (77652)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	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 water unfltrd ug/L (34571)	Benzene water unfltrd ug/L (34030)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Chloro-benzene water unfltrd ug/L (34301)
Aug 21...	--	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1
21...	<.009	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 10 of 12

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

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-chloro-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	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 ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)
Aug 21...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2
21...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	5.6

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 11 of 12

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

Date	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Alpha radioac 30 day, wat flt pCi/L (62639)	Alpha radioac 72 hr, wat flt pCi/L (62636)	Beta radioac 30 day, wat flt pCi/L (62645)	Beta radioac 72 hr, wat flt pCi/L (62642)
Aug 21...	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	--	--	--	--
21...	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	3.0	7.4	4.7	4.7