



Water-Data Report 2006

**402412074073001 Local number 250799 MW70 NJ Permit Number 29-44944**

Northern Atlantic Coastal Plain aquifer system  
 Marshalltown Formation  
 Monmouth County, NJ

LOCATION.--Lat 40°24'12", long 74°07'30" referenced to North American Datum of 1927, Middletown Township, Monmouth County, NJ, Hydrologic Unit 02030104, on unpaved area between Rt 35 and Harmony Rd.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 23.8 ft. Upper casing diameter 2 in; top of first opening 18.8 ft, bottom of last opening 23.8 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 12. 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 LSD (72019)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Turbidity white light, det ang 90+/-30 corrctd (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std (00400)	Specific conductance, uS/cm wat unfltrd (00095)	Temperature, deg C (00010)	Hardness, mg/L as CaCO3 (00900)	Calcium water, mg/L fltrd, (00915)
Jul 25...	1000	18.00	.50	45	3.4	762	.1	1	6.0	307	15.3	33	7.34

**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 field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, 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)	Residue on evap. at 180degC wat flt (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Jul 25...	3.49	3.02	11.0	52	64	24.1	<.10	10.9	50.5	189	153	E.06	E.008

**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)	Aluminum, water, fltrd, ug/L (01106)	Antimony, 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)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)
Jul 25...	<.06	<.002	<.006	1.2	E.8	<.20	.27	38	<.06	66	<.04	.05	<.40

**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)	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)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)
Jul 25...	45,500	<.08	1,060	<.010	1.2	<.08	<.2	<.04	E.53	<.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)	Atrazine, 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)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd, 0.7u GF (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)
Jul 25...	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012

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

Part 6 of 11

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

Date	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal- flur- alin, water, fltrd 0.7u GF (82663)	Etho- prop, water, fltrd 0.7u GF (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)	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)
Jul 25...	<.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: &lt;, less than; E, estimated.]

Date	Linuron water, fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF (82671)	Naprop- amide, water, fltrd 0.7u GF (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF (82669)	Pendi- meth- alin, water, fltrd 0.7u GF (82683)	Phorate water, fltrd 0.7u GF (82664)	Prome- ton, water, fltrd, ug/L (04037)
Jul 25...	<.035	<.027	<.015	<.006	<.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: &lt;, less than; E, estimated.]

Date	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF (82679)	Propar- gite, water, fltrd 0.7u GF (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water, fltrd 0.7u GF (82670)	Terba- cil, water, fltrd 0.7u GF (82665)	Terbu- fos, water, fltrd 0.7u GF (82675)	Thio- bencarb water, fltrd 0.7u GF (82681)	Tri- allate, water, fltrd 0.7u GF (82678)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	1,1,1- Tri- chloro- ethane, water, unfltrd ug/L (34506)	CFC-113 water unfltrd ug/L (77652)
Jul 25...	<.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 (34496)	1,1-Di-chloro-ethene, water unfltrd (34501)	1,2-Di-chloro-benzene, water unfltrd (34536)	1,2-Di-chloro-ethane, water unfltrd (32103)	1,2-Di-chloro-propane, water unfltrd (34541)	1,3-Di-chloro-benzene, water unfltrd (34566)	1,4-Di-chloro-benzene, water unfltrd (34571)	Benzene, water unfltrd (34030)	Bromo-di-chloro-methane, water unfltrd (32101)	Chloro-benzene, water unfltrd (34301)	cis-1,2-Di-chloro-ethene, water unfltrd (77093)	Di-bromo-chloro-methane, water unfltrd (32105)	Di-chloro-di-fluoro-methane, wat unfltrd (34668)
Jul 25...	<.1	<.1	<.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

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Date	Di-chloro-methane, water unfltrd (34423)	Di-ethyl-ether, water unfltrd (81576)	Diiso-propyl-ether, water unfltrd (81577)	Ethyl-benzene, water unfltrd (34371)	Methyl tert-pentyl-ether, water unfltrd (50005)	meta-+ para-Xylene, water unfltrd (85795)	o-Xylene, water unfltrd (77135)	Styrene, water unfltrd (77128)	t-Butyl-ethyl-ether, water unfltrd (50004)	Methyl t-butyl-ether, water unfltrd (78032)	Tetra-chloro-ethene, water unfltrd (34475)	Tetra-chloro-methane, water unfltrd (32102)	Toluene, water unfltrd (34010)
Jul 25...	<.2	<.2	<.2	<.1	<.2	<.2	<.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 (34546)	Tri-bromo-methane, water unfltrd (32104)	Tri-chloro-ethene, water unfltrd (39180)	Tri-chloro-fluoro-methane, water unfltrd (34488)	Tri-chloro-methane, water unfltrd (32106)	Vinyl-chloride, water unfltrd (39175)	Alpha radioac 30 day, wat flt Th-230, pCi/L (62639)	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Beta radioac 30 day, wat flt Cs-137, pCi/L (62645)	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)
Jul 25...	<.1	<.2	<.1	<.2	<.1	<.2	2.4	2.9	2.8	2.8