

Water-Data Report 2010

395417074143401 Local number 291402- Doubletrouble MW60

 Northern Atlantic Coastal Plain aquifer system
 Cohansey Sand-Kirkwood Formation

Ocean County, NJ

LOCATION.--Lat 39°54'17", long 74°14'34" referenced to North American Datum of 1927, Berkeley Township, Ocean County, NJ, Hydrologic Unit 02040301.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 8. ft. Upper casing diameter 2 in; top of first opening 3 ft, bottom of last opening 8 ft.

DATUM.--Land-surface datum is 37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2000, 2005, and 2010.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 13. Undeveloped Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 9

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	Flow rate, instantaneous, gallons per minute (00059)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)
04-20-2010	0930	760	2.00	.4	4	.50	4.7	47	9.2

395417074143401 Local number 291402- Doubletrouble MW60—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 9

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Date	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Pump or flow period prior to sampling, minutes	Dissolved solids dried at 180 °C, water, filtered, mg/L	Dissolved solids, sum of constituents, milligrams per liter	Hardness, water, mg/L as CaCO ₃	Calcium, water, mg/L as CaCO ₃	Magnesium, water, mg/L	Potassium, water, mg/L	Sodium, water, mg/L
	(72004)	(70300)	(70301)	(00900)	(00915)	(00925)	(00935)	(00930)	
04-20-2010	1.6	30	53	E 22	1.30	.23	.178	E .05	3.72

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 9

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Date	Alkalinity, water, filtered, inflection- point, incremental titration method, field, mg/L as CaCO ₃ (39086)	Bicarbonate, water, filtered, inflection- point, incremental titration method, field,	Chloride, water, filtered,	Fluoride, water, filtered,	Silica, water, filtered, mg/L as SiO ₂	Sulfate, water, filtered, mg/L	Ammonia plus organic nitrogen, water, filtered, mg/L as N	Ammonia, water, filtered, mg/L as N	Nitrate plus nitrite, water, filtered, mg/L as N
	(00453)	(00940)	(00950)	(00955)	(00945)	(00623)	(00608)	(00631)	
04-20-2010	< 1	2	6.63	< .08	2.3	2.76	.51	.023	.05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 4 of 9

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Date	Orthophosphates									
	Nitrite, water, filtered, mg/L as N (00613)	phate, water, filtered, mg/L as P (00671)	Aluminum, water, filtered, µg/L (01106)	Barium, water, filtered, µg/L (01005)	Beryllium, water, filtered, µg/L (01010)	Cadmium, water, filtered, µg/L (01025)	Chromium, water, filtered, µg/L (01030)	Copper, water, filtered, µg/L (01040)	Iron, water, filtered, µg/L (01046)	Lead, water, filtered, µg/L (01049)
04-20-2010	.002	E .007	1,790	6	.02	.03	3.0	< 1.0	3,590	.65

395417074143401 Local number 291402- Doubletrouble MW60—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 5 of 9

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Manga nese, water, filtered,	Mercury, water, filtered,	Nickel, water, filtered,	Zinc, water, filtered,	Antimony, water, filtered,	Arsenic, water, filtered,	Boron, water, filtered,	Selenium, water, filtered,	1,2-Di chloro ethane, water, unfiltered,	1,2- Dichloro propane, water, unfiltered,
	µg/L (01056)	µg/L (71890)	µg/L (01065)	µg/L (01090)	µg/L (01095)	µg/L (01000)	µg/L (01020)	µg/L (01145)	µg/L (32103)	µg/L (34541)
04-20-2010	3.0	<.10	2.1	39.7	.19	.89	11	.33	<.2	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 6 of 9

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	1,4- Dichloro benzene, water, unfiltered,	1,1,1-Tri chloro ethane, water, unfiltered,	1,1,2-Tri chloro- trifluoro ethane, water, unfiltered,	1,2,2- trifluoro ethane, water, unfiltered,	1,1-Di chloro ethane, water, unfiltered,	1,1-Di chloro ethene, water, unfiltered,	1,2- Dichloro benzene, water, unfiltered,	1,3- Dichloro benzene, water, unfiltered,	Bromo dichloro methane, water, unfiltered,	Chloro benzene, water, unfiltered,	
	µg/L (34571)	µg/L (34506)	µg/L (77652)	µg/L (34496)	µg/L (34496)	µg/L (34501)	µg/L (34536)	µg/L (34566)	µg/L (34030)	µg/L (32101)	µg/L (34301)
04-20-2010	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 7 of 9

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Date	cis-1,2-Di chloro ethene, water, unfiltered,	Dibromo chloro methane, water, unfiltered,	Di chloro difluoro methane, water, unfiltered,	Dichloro methane, water, unfiltered,	Diethyl ether, water, unfiltered,	Di iso propyl ether, water, unfiltered,	Ethyl benzene, water, unfiltered,	Methyl tert-butyl ether, water, unfiltered,	Methyl tert-pentyl ether, water, unfiltered,	m-Xylene plus p- xylene, water, unfiltered,
	µg/L (77093)	µg/L (32105)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (78032)	µg/L (50005)	µg/L (85795)
04-20-2010	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.2

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 8 of 9

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	o-Xylene, water, unfiltered, recover able, mg/L (00681)	Styrene, water, unfiltered, recover able, µg/L (77135)	tert-Butyl ethyl ether, water, unfiltered, recover able, µg/L (77128)	Tetra ethene, water, unfiltered, recover able, µg/L (50004)	Tetra methane, water, unfiltered, recover able, µg/L (34475)	Toluene, water, unfiltered, recover able, µg/L (32102)	trans-1,2- Di chloro ethene, water, unfiltered, recover able, µg/L (34010)	Tribromo methane, water, unfiltered, recover able, µg/L (34546)	Tri chloro ethene, water, unfiltered, recover able, µg/L (32104)
04-20-2010	27.0	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.2

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Part 9 of 9

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Date	Tri chloro fluoro methane, water, unfiltered, recover able, µg/L (34488)	Tri chloro methane, water, unfiltered, recover able, µg/L (32106)	Vinyl chloride, water, unfiltered, recover able, µg/L (39175)	Alpha radioactivi ty, 30-day count, water, Th-230 curve, picocuries per liter (62639)	Beta radioactivi ty, 30-day count, water, filtered, Cs-137 curve, picocuries per liter (62645)
04-20-2010	<.2	<.1	<.2	6.2	2.0