



Water-Data Report 2009

394446075031001 Local number 151258- Washington Twp Nu29 MW19

Northern Atlantic Coastal Plain aquifer system
 Cohansey Sand-Kirkwood Formation
 Gloucester County, NJ

LOCATION.--Lat 39°44'42.9", long 75°03'07.4" referenced to North American Datum of 1983, Washington Township, Gloucester County, NJ, Hydrologic Unit 02040202.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 19 ft. Upper casing diameter 2 in; top of first opening 17 ft, bottom of last opening 19 ft.

DATUM.--Land-surface datum is 120 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 1999, 2004, and 2009.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 18. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the New Jersey Geological Survey.

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 14

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

Date	Time	Medium name	Sample type	Baro- metric pres- sure, mm Hg (00025)	Depth to water level, feet below LSD (72019)	Dis- solved oxy- gen, mg/L (00300)	Flow rate, instan- taneous gal/min (00059)	pH, water, unfltrd field, std units (00400)
Jun								
24...	1215	QC sample - Artificial	Ambient Blank	--	--	--	--	--
24...	1300	Ground water	Regular	761	9.35	2.5	.37	5.1

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 14

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

Date	Temper- ature, deg C (00010)	Turbdty white light, det ang 90+/-30 NTRU (63676)	Pump or flow period prior to sam- pling, minutes (72004)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)	Dis- solved solids, sum of consti- tuents, mg/L (70301)	Hard- ness, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inf tit mg/L as CaCO3 (39086)	Bicar- bonate, wat flt infl pt titr., mg/L field, (00453)	Chlor- ide, water, fltrd, mg/L (00940)
Jun													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	15.5	5.0	65	264	E228	60	15.3	5.24	2.34	57.7	4	5	115

394446075031001 Local number 151258- Washington Twp Nu29 MW19—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 14

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

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, µg/L (01106)	Barium, water, fltrd, µg/L (01005)	Beryll- ium, water, fltrd, µg/L (01010)	Cadmium water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)
	Jun 24...	--	--	--	--	--	--	--	--	--	--	--	--
24...	E.04	7.0	19.1	.17	.074	.60	<.002	E.004	37.4	248	.05	.21	E.08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 14

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

Date	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Mangan- ese, water, fltrd, µg/L (01056)	Mercury water, fltrd, µg/L (71890)	Nickel, water, fltrd, µg/L (01065)	Zinc, water, fltrd, µg/L (01090)	Anti- mony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)	Boron, water, fltrd, µg/L (01020)	Selen- ium, water, fltrd, µg/L (01145)	1,2-Di- chloro- ethane, water, unfltrd, µg/L (32103)	1,2-Di- chloro- propane water, unfltrd, µg/L (34541)
	Jun 24...	--	--	--	--	--	--	--	--	--	--	--	<.2
24...	<1.0	303	<.06	111	.642	1.6	2.3	<.04	.14	19	.36	<.2	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 14

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

Date	1,4-Di- chloro- benzene water, unfltrd, µg/L (34571)	1-Naph- thol, water, fltrd 0.7µ GF µg/L (49295)	2,6-Di- ethyl- aniline water, fltrd 0.7µ GF µg/L (82660)	2Chloro -2',6'- diethyl acet- anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2- Ethyl- 6- methyl- aniline wat flt µg/L (61620)	3,4-Di- chloro- aniline water, fltrd, µg/L (61625)	3,5-Di- chloro- aniline water, fltrd, µg/L (61627)	4- Chloro- 2- methyl- phenol, wat flt µg/L (61633)	Aceto- chlor, water, fltrd, µg/L (49260)	Ala- chlor, water, fltrd, µg/L (46342)	alpha- Endo- sulfan, water, fltrd, µg/L (34362)	Atra- zine, water, fltrd, µg/L (39632)
	Jun 24...	<.1	--	--	--	--	--	--	--	--	--	--	--
24...	<.1	<.04	<.006	<.010	<.014	<.010	<.004	<.004	<.005	<.010	<.008	<.006	<.007

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 14

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

Date	Azin-phos-methyl water, fltrd, µg/L (61635)	Azin-phos-methyl, water, fltrd, 0.7µ GF µg/L (82686)	Ben-flur-alin, water, fltrd, 0.7µ GF µg/L (82673)	Car-baryl, water, fltrd, 0.7µ GF µg/L (82680)	Carbo-furan, water, fltrd, 0.7µ GF µg/L (82674)	Chlor-pyrifos water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7µ GF µg/L (82687)	cis-Propi-conazole, water, fltrd, µg/L (79846)	Cyana-zine, water, fltrd, µg/L (04041)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7µ GF µg/L (82682)
Jun 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.04	<.120	<.014	<.200	<.060	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 14

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

Date	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)	Di-chlor-ovos, water, fltrd, µg/L (38775)	Dicro-tophos, water, fltrd, µg/L (38454)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-oate, water, fltrd 0.7µ GF µg/L (82662)	Disulf-oton sulfone water, fltrd, µg/L (61640)	Disul-foton water, fltrd 0.7µ GF µg/L (82677)	Endo-sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7µ GF µg/L (82668)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)
Jun 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.029	<.012	<.005	<.05	<.08	<.009	<.016	<.01	<.04	<.022	<.002	<.02	<.012

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 14

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

Date	Etho-prop, water, fltrd 0.7µ GF µg/L (82672)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos sulf-oxide, water, fltrd, µg/L (61646)	Fenamiphos, water, fltrd, µg/L (61591)	Fipro-nil sulfide water, fltrd, µg/L (62167)	Fipro-nil sulfone water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexa-zinone, water, fltrd, µg/L (04025)	Ipro-dione, water, fltrd, µg/L (61593)	Isofen-phos, water, fltrd, µg/L (61594)	lambda-Cyhalo-thrin, water, fltrd, µg/L (61595)	Mala-oxon, water, fltrd, µg/L (61652)
Jun 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.016	<.053	<.08	<.03	<.013	<.024	<.040	<.010	<.070	<.014	<.006	<.010	<.080

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 14

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

Date	Mala- thion, water, fltrd, µg/L (39532)	Meta- laxyl, water, fltrd, µg/L (61596)	Methid- athion, water, fltrd, µg/L (61598)	Methyl para- oxon, water, fltrd, µg/L (61664)	Methyl para- thion, water, fltrd, 0.7µ GF µg/L (82667)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)	Moli- nate, water, fltrd, 0.7µ GF µg/L (82671)	Myclo- butanil water, fltrd, µg/L (61599)	Oxy- fluor- fen, water, fltrd, µg/L (61600)	Pendi- meth- alin, water, fltrd, 0.7µ GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7µ GF µg/L (82664)
Jun 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.020	<.100	<.006	<.01	<.008	<.014	<.016	<.002	<.010	<.006	<.012	<.03	<.020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 14

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

Date	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prome- ton, water, fltrd, µg/L (04037)	Prome- tryn, water, fltrd, µg/L (04036)	Pro- panil, water, fltrd, 0.7µ GF µg/L (82679)	Propar- gite, water, fltrd, 0.7µ GF µg/L (82685)	Propy- zamide, water, fltrd, 0.7µ GF µg/L (82676)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water, fltrd, 0.7µ GF µg/L (82670)	Teflu- thrin, water, fltrd, µg/L (61606)	Ter- bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd, 0.7µ GF µg/L (82675)	Ter- butyl- azine, water, fltrd, µg/L (04022)
Jun 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	<.05	<.200	<.01	<.006	<.014	<.02	<.004	.014	<.02	<.010	<.04	<.02	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 11 of 14

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

Date	Thio- bencarb water, fltrd, 0.7µ GF µg/L (82681)	trans- Propi- conazole, water, fltrd, µg/L (79847)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd, 0.7µ GF µg/L (82661)	1,1,1- Tri- chloro- ethane, water, unfltrd, µg/L (34506)	1,1-Di- chloro- ethane, water, unfltrd, µg/L (77652)	1,1-Di- chloro- ethene, water, unfltrd, µg/L (34496)	1,2-Di- chloro- benzene, water, unfltrd, µg/L (34501)	1,3-Di- chloro- benzene, water, unfltrd, µg/L (34536)	1,3-Di- chloro- benzene, water, unfltrd, µg/L (34566)	Bromo- di- chloro- methane, water, unfltrd, µg/L (34030)	Chloro- benzene, water, unfltrd, µg/L (32101)	Chloro- benzene, water, unfltrd, µg/L (34301)
Jun 24...	--	--	--	--	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
24...	<.016	<.02	<.035	<.012	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 12 of 14

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

Date	cis-1,2-Dichloroethene water, unfltrd µg/L (77093)	Di-bromochloromethane water, unfltrd µg/L (32105)	Di-chlorodifluoromethane wat unfltrd µg/L (34668)	Di-chloromethane water, unfltrd µg/L (34423)	Di-ethyl ether, water, unfltrd µg/L (81576)	Diisopropyl ether, water, unfltrd µg/L (81577)	Ethylbenzene water, unfltrd µg/L (34371)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	Methyl tert-pentyl ether, water, unfltrd µg/L (50005)	meta+para-Xylene, water, unfltrd µg/L (85795)	Organic carbon, water, fltrd, mg/L (00681)	o-Xylene, water, unfltrd µg/L (77135)	Styrene water, unfltrd µg/L (77128)
Jun 24...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.2	--	<.1	<.1
24...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	.2	<.2	E.1	1.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 13 of 14

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

Date	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Tetra-chloroethene, water, unfltrd µg/L (34475)	Tetra-chloromethane water, unfltrd µg/L (32102)	Toluene water, unfltrd µg/L (34010)	trans-1,2-Dichloroethene, water, unfltrd µg/L (34546)	Tri-bromomethane water, unfltrd µg/L (32104)	Tri-chloroethene, water, unfltrd µg/L (39180)	Tri-chlorofluoromethane water, unfltrd µg/L (34488)	Tri-chloromethane water, unfltrd µg/L (32106)	Vinyl chloride, water, unfltrd µg/L (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)
Jun 24...	<.1	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	--	--	--
24...	<.1	<.1	<.2	.1	<.1	<.2	<.1	<.2	1.7	<.2	4.9	18	5.6

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 14 of 14

[Remark codes:

<, less than;

E, estimated.]

Date	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)
Jun 24...	--
24...	6.7