

Water-Data Report 2006

401335074042701 Local number 250794 MW68 NJ Permit Number 29-44941

 Northern Atlantic Coastal Plain aquifer system
 Cohansey Sand-Kirkwood Formation

Monmouth County, NJ

LOCATION.--Lat 40°13'35", long 74°04'27" referenced to North American Datum of 1927, Neptune Township, Monmouth County, NJ, Hydrologic Unit 02030104, Rt 66 and Green Grove Rd.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 29.5 ft. Upper casing diameter 2 in; top of first opening 24.5 ft, bottom of last opening 29.5 ft.

DATUM.--Land-surface datum is 82 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.

**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	Pump flow rate, instantaneous	Turbdty or flow period prior to sampling, minutes	Baro- metric 90+/-30 pres- corrcrtd	Dis- solved oxygen, mm Hg	pH, water, percent of saturation	Specif. conductance, mho/cm
		LSD	(72019)	gal/min	(72004)	NTRU	(63676)	mg/L	units
			(00059)			(00025)	(00300)	(00301)	(00400)
Jun									
20...	0951	Field Blank	--	--	--	--	--	--	--
20...	1110	Ambient Blank	--	--	--	--	--	--	--
20...	1115	Environmental	8.30	.25	60	8.4	759	3.1	31

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

Part 2 of 12

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

Date	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, mg/L (00915)	Magnes- ium, water, mg/L (00925)	Potas- sium, water, mg/L (00935)	Sodium, water, mg/L (00930)	Alka- linity, wat flt inc tit	Bicar- bonate, wat flt incr.	Chlor- ide, titr., field, mg/L (00453)	Fluor- ide, water, mg/L (00940)	Silica, water, mg/L (00950)	Sulfate, water, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
Jun													
20...	--	--	<.02	<.008	--	<.20	--	--	--	--	<.04	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	14.7	46	6.28	7.26	3.45	12.7	4	6	29.2	E.08	13.4	58.4	148

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	Ammonia + org-N, water, filtrd, mg/L (70300)	Ammonia + water, filtrd, mg/L (00623)	Nitrite nitrate water, filtrd, mg/L (00608)	Nitrite water, filtrd, mg/L (00631)	Ortho- phosphate, water, filtrd, mg/L (00613)	Organic carbon, water, filtrd, mg/L (00671)	Alum- inum, water, filtrd, ug/L (00681)	Anti- mony, water, filtrd, ug/L (01106)	Arsenic water, filtrd, ug/L (01095)	Barium, water, filtrd, ug/L (01000)	Beryll- ium, water, filtrd, ug/L (01005)	Boron, water, filtrd, ug/L (01010)
Jun													
20...	--	--	--	--	--	--	--	<.16	<.20	<.12	<.2	<.06	<8
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	144	E.06	.012	<.06	<.002	E.004	.4	92.4	<.20	<.12	38	1.54	E7

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 12

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

Date	Cadmium water, filtrd, ug/L (01025)	Chrom- ium, water, filtrd, ug/L (01030)	Copper, water, filtrd, ug/L (01040)	Iron, water, filtrd, ug/L (01046)	Lead, water, filtrd, ug/L (01049)	Mangan- ese, water, filtrd, ug/L (01056)	Mercury water, filtrd, ug/L (71890)	Nickel, water, filtrd, ug/L (01065)	Selen- ium, water, filtrd, ug/L (01145)	Silver, water, filtrd, ug/L (01075)	Thall- ium, water, filtrd, ug/L (01057)	Zinc, water, filtrd, ug/L (01090)	2,6-Di- ethyl- aniline water, filtrd, ug/L (82660)
Jun													
20...	<.04	<.04	<.4	<.6	<.08	<.2	<.010	.06	<.08	<.2	<.04	<.6	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	E.03	.50	.4	14,500	.17	151	<.010	.65	<.08	<.2	<.04	11.9	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 12

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

Date	CIAT, water, filtrd, ug/L (04040)	Aceto- chlor, water, filtrd, ug/L (49260)	Ala- chlor, water, filtrd, ug/L (46342)	alpha- HCH, water, filtrd, ug/L (34253)	Atra- zine, water, filtrd 0.7u GF (39632)	Azin- phos- methyl, water, filtrd 0.7u GF (82686)	Ben- flur- alin, water, filtrd 0.7u GF (82673)	Butyl- ate, water, filtrd 0.7u GF (04028)	Car- baryl, water, filtrd 0.7u GF (82680)	Carbo- furan, water, filtrd 0.7u GF (82674)	Chlor- pyrifos water, filtrd 0.7u GF (38933)	cis- Per- methrin water, filtrd 0.7u GF (82687)	
Jun													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.014	<.006	<.005	<.005	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 6 of 12

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

Date	Desulf-				Ethal-				Desulf-			
	Cyana-	DCPA,	fipro-	Diazi-	Diel-	foton,	EPTC,	flur-	Etho-	inyl-	Fipro-	Fipro-
zine,	water,	nil,	non,	non,	drin,	water,	water,	alin,	prop,	fipro-	nil	sulfide
water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	sulfone
filtrd,	0.7u GF	filtrd,	filtrd,	filtrd,	filtrd,	0.7u GF	0.7u GF	0.7u GF	0.7u GF	amide,	water,	water,
Date	ug/L	wat flt	filtrd,	filtrd,								
	(04041)	(82682)	(62170)	(39572)	(39381)	(82677)	(82668)	(82663)	(82672)	(62169)	(62167)	(62168)
Jun												
20...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.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	Methyl												
	Fipro-	Fonofos	Lindane	Linuron	Mala-	para-	Metola-	Metri-	Moli-	Naprop-	p,p'-	Peb-	
nil,	water,	water,	water,	water,	thion,	thion,	water,	buzin,	nate,	amide,	DDE,	ulate,	
water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	
filtrd,	filtrd,	filtrd,	filtrd,	0.7u GF	filtrd,	0.7u GF	filtrd,	filtrd,	0.7u GF	0.7u GF	filtrd,	0.7u GF	
Date	ug/L												
	(62166)	(04095)	(39341)	(82666)	(39532)	(82667)	(39415)	(82630)	(82671)	(82684)	(34653)	(39542)	(82669)
Jun													
20...	--	--	--	--	--	--	--	--	--	--	--	--	
20...	--	--	--	--	--	--	--	--	--	--	--	--	
20...	<.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-	Phorate	Promo-	Propy-	Pro-	Propar-	Tebu-	Terba-	Terbu-	Thio-	Tri-		
alin,	water,	water,	ton,	amide,	panil,	gite,	simazine,	cil,	bencarb	allate,	water,		
water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,		
filtrd,	filtrd,	filtrd,	filtrd,	0.7u GF	filtrd,	0.7u GF	filtrd,	0.7u GF	0.7u GF	0.7u GF	0.7u GF		
Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L							
	(82683)	(82664)	(04037)	(82676)	(04024)	(82679)	(82685)	(04035)	(82670)	(82665)	(82675)	(82681)	(82678)
Jun													
20...	--	--	--	--	--	--	--	--	--	--	--	--	
20...	--	--	--	--	--	--	--	--	--	--	--	--	
20...	<.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-flur-alin, water, 0.7 <u>u</u> GF	1,1,1-Tri-chloro-ethane, CFC-113	1,1-Di-chloro-ethane, water	1,1-Di-chloro-ethene, water	1,2-Di-chloro-benzene, unfltrd	1,2-Di-chloro-ethane, water	1,2-Di-chloro-propane, unfltrd	1,3-Di-chloro-benzene, unfltrd	1,4-Di-chloro-benzene, unfltrd	Bromo-di-chloro-methane	Chloro-benzene		
	ug/L (82661)	ug/L (34506)	ug/L (77652)	ug/L (34496)	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)
Jun													
20...	--	--	--	--	--	--	--	--	--	--	--	--	
20...	--	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	
20...	<.009	<.1	<.1	<.1	<.1	<.1	<.2	<.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	Di-bromo-chloro-methane, water, unfltrd	Di-chloro-fluoro-methane, wat unf	Di-chloro-methane, water, unfltrd	Di-ethyl ether, water, unfltrd	Diiso-propyl ether, water, unfltrd	Ethyl benzene, water, unfltrd	Ethyl-pentyl ether, water, unfltrd	meta+para-Xylene, water, unfltrd	o-Xylene, water, unfltrd	Styrene, water, unfltrd	t-Butyl ethyl ether, water, unfltrd	Methyl t-butyl ether, water, unfltrd
	ug/L (77093)	ug/L (32105)	ug/L (34668)	ug/L (34423)	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)
Jun													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2
20...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	.8

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	Tetra-chloro-methane, water, unfltrd	Toluene	trans-1,2-Di-chloro-ethene, water, unfltrd	Tri-bromo-methane, water, unfltrd	Tri-chloro-ethene, water, unfltrd	Tri-chloro-fluoro-methane, water, unfltrd	Tri-chloro-methane, water, unfltrd	Vinyl chloride, water, unfltrd	Alpha radioac	Alpha radioac	Beta radioac	Beta radioac	
	ug/L (34475)	ug/L (32102)	ug/L (34010)	ug/L (34546)	ug/L (32104)	ug/L (39180)	ug/L (34488)	ug/L (32106)	ug/L (39175)	30 day, Th-230, Th-230,	72 hr, Th-230,	30 day, Cs-137,	72 hr, Cs-137,	
Jun														
20...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	--	--	--	--	--
20...	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	1.1	3.8	3.4	4.0	