

Water-Data Report 2006

411348074273901 Local number 370468 MW99 NJ Permit Number 22-39589

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Sussex County, NJ

LOCATION.--Lat 41°13'48", long 74°27'39" referenced to North American Datum of 1927, Vernon Township, Sussex County, NJ, Hydrologic Unit 02020007, in Wawayanda State Park off of Bucky Lane near Canal Rd.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 13.5 ft. Upper casing diameter 2 in; top of first opening 8.5 ft, bottom of last opening 13.5 ft.

DATUM.--Land-surface datum is 420 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--WY 2001, WY 2006.

REMARKS.--NJDEP Watershed Management Area 2. Agricultural Land Use Indicator.

**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	Pump flow rate, instantaneous	Turbidity period prior to sampling, minutes	Turbidity white light, det ang 90+/-30	Barometric pressure, corctd	Dissolved oxygen, mg/L	pH, water, percent of saturation	Specific conductance, mho/cm	Temperature, water, deg C	Hardness, water, mg/L as CaCO3	Calcium water, mg/L	
		LSD (72019)	gal/min (00059)	NTRU (72004)	mm Hg (63676)	(00025)	(00300)	(00301)	(00400)	25 degC (00095)	(00010)	(00900) (00915)	
Jul 25...	1150	6.70	.50	32	2.4	758	2.0	19	7.1	938	12.0	360	82.5

**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)	Bicarbonate, wat flt inc tit	Chloride, incr. titr., field, mg/L as CaCO3 (39086) (00453)	Fluoride, water, field, mg/L (00940)	Silica, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00955)	Residue water, fltrd, sum of constituents (70301)	Residue water, evap. at 180degC (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	
Jul 25...	37.9	1.16	59.2	281	341	123	.12	10.5	22.4	515	528	<.10	<.010

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)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)
Jul 25...	2.31	<.002	E.004	.6	<1.6	<.20	.24	34	<.06	15	<.04	.16	4.5

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)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury, water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Thall- ium, water, fltrd, ug/L (01057)	Zinc, water, fltrd, ug/L (01090)	2,6-Di- ethyl- 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...	<6	.50	1.9	<.010	.22	.22	<.2	<.04	6.5	<.006	E.066	<.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)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos- flur-alin, water, fltrd, ug/L (82686)	Ben-flur- ate, water, fltrd, ug/L (82673)	Car-baryl, water, fltrd, ug/L (04028)	Carbo-furan, water, fltrd, ug/L (82680)	Chlor-pyrifos, water, fltrd, ug/L (82674)	cis-Per-methrin, water, fltrd, ug/L (38933)	Cyana-zine, water, fltrd, ug/L (82687)	DCPA, water, fltrd, ug/L (04041)	Desulf-inyl nil, water, fltrd, ug/L (82682)	
Jul 25...	<.005	.035	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 6 of 11

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

Date	Diazi-	Diel-	Disul-	EPTC,	Ethal-	Desulf-	Fipro-	Fipro-	Fipro-	Fonofos	Lindane	
	non, water, filtrd, filtrd, ug/L (39572)	drin, water, filtrd, filtrd, ug/L (39381)	foton, water, filtrd 0.7u GF ug/L (82677)	water, water, filtrd 0.7u GF ug/L (82668)	flur- alin, water, filtrd 0.7u GF ug/L (82663)	Etho- prop, water, filtrd 0.7u GF ug/L (82672)	inyl- fipro- nil amide, wat flt ug/L (62169)	nil sulfide water, filtrd, filtrd ug/L (62167)	sulfide water, filtrd, filtrd ug/L (62168)	water, filtrd, filtrd ug/L (62166)	water, filtrd, filtrd ug/L (04095)	water, filtrd, filtrd 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: <, less than; E, estimated.]

Date	Methyl para-thion,				Moli-nate,	Naprop-amide,	p,p'-DDE,	Para-thion,	Peb-ulate,	Pendi-meth-alin,	Phorate	Promo-ton,	
	Linuron water, filtrd 0.7u GF ug/L (82666)	Malathion, water, filtrd 0.7u GF ug/L (39532)	Metola-chlor, water, filtrd 0.7u GF ug/L (82667)	Metri-buzin, water, filtrd 0.7u GF ug/L (39415)	water, filtrd 0.7u GF ug/L (82630)	water, filtrd 0.7u GF ug/L (82671)	water, filtrd 0.7u GF ug/L (82684)	water, filtrd 0.7u GF ug/L (34653)	water, filtrd 0.7u GF ug/L (39542)	water, filtrd 0.7u GF ug/L (82669)	water, filtrd 0.7u GF ug/L (82683)	water, filtrd 0.7u GF ug/L (82664)	water, filtrd 0.7u GF 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: <, less than; E, estimated.]

Date	Propy-zamide, water, filtrd 0.7u GF ug/L (82676)	Propa-chlor, water, filtrd 0.7u GF ug/L (04024)	Pro-panal, water, filtrd 0.7u GF ug/L (82679)	Propar-gite, water, filtrd 0.7u GF ug/L (82685)	Tebu-Sima-zine, water, filtrd 0.7u GF ug/L (04035)	Terba-thiuron, water, filtrd 0.7u GF ug/L (82670)	Terbu-cil, water, filtrd 0.7u GF ug/L (82665)	Terbu-fos, water, filtrd 0.7u GF ug/L (82675)	Thio-bencarb, water, filtrd 0.7u GF ug/L (82681)	Tri-allate, water, filtrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, filtrd 0.7u GF ug/L (82661)	1,1,1-tri-chloro-ethane, water, unfiltrd ug/L (34506)	
												CFC-113	
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	1,1-Di-chloro-ethene, water, unfltrd	1,2-Di-chloro-benzene	1,2-Di-chloro-ethane, water, unfltrd	1,2-Di-chloro-propane	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	Benzene	Bromo-di-chloro-methane	Chloro-benzene	water, unfltrd	cis-1,2-Di-chloro-ethene, water, unfltrd	Di-bromo-chloro-methane	Di-chloro-fluoromethane
	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)	ug/L (77093)	ug/L (32105)	ug/L (34668)	
Jul 25...	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 10 of 11

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

Date	Di-chloro-methane, water unfltrd	Di-ethyl ether, water, unfltrd	Diiso-propyl ether, water, unfltrd	Ethyl-benzene	Methyl tert-pentyl	meta-+ para-ether, water, unfltrd	o-Xylene, water, unfltrd	Styrene	t-Butyl ethyl ether, water, unfltrd	Methyl t-butyl ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd	Tetra-chloro-methane	Toluene water	
	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)	ug/L (34475)	ug/L (32102)	ug/L (34010)	
Jul 25...	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.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	Tri-bromo-methane	Tri-chloro-ethene, water, unfltrd	Tri-fluoro-methane	Tri-chloro-methane	Vinyl chloride, water, unfltrd	Alpha radioac	Alpha radioac	Beta radioac	Beta radioac
	ug/L (34546)	ug/L (32104)	ug/L (39180)	ug/L (34488)	ug/L (32106)	ug/L (39175)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)
Jul 25...	<.1	<.2	<.1	<.2	<.1	<.2	-1.1	-2.6	1.6	1.9