

Water-Data Report 2006

405631074475001 Local number 370466 MW90 NJ Permit Number 21-10915

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Sussex County, NJ

LOCATION.--Lat 40°56'31", long 74°47'50" referenced to North American Datum of 1927, Green Township, Sussex County, NJ, Hydrologic Unit 02040105, in Allamuchy State Park off of Stuyvestant Rd near Rt 517.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 13.8 ft. Upper casing diameter 2 in; top of first opening 8.8 ft, bottom of last opening 13.8 ft.

DATUM.--Land-surface datum is 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

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

REMARKS.--NJDEP Watershed Management Area 1. Agricultural Land Use Indicator.

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

Part 1 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity period	Barometric pressure, 90+/-30 det ang	Dissolved oxygen, mg/L	pH, water, unfltrd field, std	Specific conductance, 25 degC	Temperature, wat unf	Hardness, water, mg/L as CaCO3	Calcium water, mg/L
	LSD (72019)	(00059)	(72004)	NTRU	(63676)	(00025)	(00300)	(00400)	(00095)	(00010)	(00900)
Jul 26...	1400	3.25	.63	43	<.1	748	2.9	28	7.1	550	12.9
Aug 22...	1030	3.46	.50	38	<.1	752	1.3	13	7.3	527	13.8

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

Part 2 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Magnesium, mg/L	Potassium, mg/L	Sodium, mg/L	Sodium, inc tit	Alkalinity, wat flt	Bicarbonate, wat flt	Chloride, incr. titr., field	Fluoride, water, field	Silica, water, fltrd,	Sulfate, water, fltrd,	Residue water, fltrd, evap.	Residue water, at 180degC	Ammonia + org-N, water, fltrd, mg/L as N	Ammonia water, fltrd, mg/L as N
	(00925)	(00935)	(00930)	(39086)	(00453)	(00450)	(00940)	(00950)	(00955)	(00945)	(70301)	(70300)	(00623)	(00608)
Jul 26...	--	--	--	212	256	--	--	--	--	--	--	--	--	--
Aug 22...	24.2	3.11	6.72	207	251	22.2	<.10	7.1	14.7	292	311	E.10	<.010	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 11

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Date	Nitrite + nitrate water, mg/L as N (00631)	Nitrite water, mg/L as N (00613)	Ortho-phosphate, mg/L as P (00671)	Organic carbon, mg/L (00681)	Alum-inum, ug/L (01106)	Anti-mony, ug/L (01095)	Arsenic water, ug/L (01000)	Barium, ug/L (01005)	Beryll-ium, ug/L (01010)	Boron, ug/L (01020)	Cadmium, ug/L (01025)	Chrom-ium, ug/L (01030)	Copper, ug/L (01040)
Jul 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug 22...	5.18	<.002	.007	.9	E1.3	<.20	.19	10	<.06	93	<.04	.15	E.20

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 11

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Date	Iron, ug/L (01046)	Lead, ug/L (01049)	Mangan-ese, ug/L (01056)	Mercury, ug/L (71890)	Nickel, ug/L (01065)	Selen-ium, ug/L (01145)	Silver, ug/L (01075)	Thall-ium, ug/L (01057)	Zinc, ug/L (01090)	2,6-Di-ethyl-aniline, ug/L (82660)	CIAT, ug/L (04040)	Aceto-chlor, ug/L (49260)	Ala-chlor, ug/L (46342)
Jul 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug 22...	<6	<.08	E.1	<.010	.09	<.08	<.2	<.04	<.60	<.006	E.153	<.006	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	alpha-HCH, ug/L (34253)	Atra-zine, ug/L (39632)	Azin-phos-flur-alin, ug/L (82686)	Ben-flur-alin, ug/L (82673)	Butyl-ate, ug/L (04028)	Car-baryl, ug/L (82680)	Car-bo-furan, ug/L (82674)	Chlor-pyrifos, ug/L (38933)	cis-Per-methrin, ug/L (82687)	Cyana-zine, ug/L (04041)	DCPA, ug/L (82682)	Desulf-inyl fipronil, ug/L (62170)
Jul 26...	--	--	--	--	--	--	--	--	--	--	--	--
Aug 22...	<.005	.161	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 6 of 11

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Date	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl-ipro-fipro-nil, amide, wat flt nil water, fltrd, ug/L (62169)	Fipro-nil,sulfide, water, fltrd, ug/L (62167)	Fipro-nil, water, fltrd, ug/L (62168)	Fipofos, water, fltrd, ug/L (62166)	Lindane, water, fltrd, ug/L (39341)	
Jul												
26...	--	--	--	--	--	--	--	--	--	--	--	--
Aug												
22...	<.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; M, presence verified but not quantified.]

Date	Linuron, water, fltrd, 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, 0.7u GF ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd 0.7u GF ug/L (39415)	Metribuzin, water, fltrd 0.7u GF ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd 0.7u GF ug/L (34653)	Para-thion, water, fltrd 0.7u GF ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-methalin, water, fltrd 0.7u GF ug/L (82683)	Phorate, water, fltrd, 0.7u GF ug/L (82664)	Prometon, water, fltrd, 0.7u GF ug/L (04037)
Jul													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug													
22...	<.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

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Date	Propy-zamide, water, fltrd, 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, 0.7u GF ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd 0.7u GF ug/L (04035)	Tebu-thiuron, water, fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb, water, fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1-tri-chloro-ethane, water, unfltrd 0.7u GF ug/L (34506)	CFC-113 water unfltrd 0.7u GF ug/L (77652)
Jul													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug													
22...	<.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; M, presence verified but not quantified.]

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														
26...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug														
22...	<.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

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Date	Di-chloro-methane, water unfltrd	Di-ethyl ether, water, unfltrd	Diiso-propyl ether, water, unfltrd	Ethyl-benzene	Ethyl-tert-pentyl ether, water, unfltrd	meta-+ para-Xylene, 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, water, unfltrd	Toluene	
	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														
26...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug														
22...	<.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

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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										
26...	--	--	--	--	--	--	.5	.2	2.6	2.4
Aug										
22...	<.1	<.2	<.1	<.2	<.1	<.2	M	M	2.8	3.6