

Water-Data Report 2006

402431075020801 Local number 190439 MW78 NJ Permit Number 27-16079

 Alluvial aquifers
 Holocene Alluvium

Hunterdon County, NJ

LOCATION.--Lat 40°24'31", long 75°02'08" referenced to North American Datum of 1927, Delaware Township, Hunterdon County, NJ, Hydrologic Unit 02040105, in Bulls Island State Park on Bulls Island Rd at overflow parking lot.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 39 ft. Upper casing diameter 2 in; top of first opening 34 ft, bottom of last opening 39 ft.

DATUM.--Land-surface datum is 103 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

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

REMARKS.--NJDEP Watershed Management Area 11. Undeveloped Land Use Indicator.

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

Part 1 of 12

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

Date	Time	Sample type	Depth to water level, feet below	Pump or flow rate, instant- aneous	Turbdty white light, det ang 90+/-30	Baro- metric pres- corctd	Dis- solved oxygen, mm Hg	pH, water, unfltrd percent of sat-	Specif. conduct- ance, field, wat unf	
		LSD (72019)	gal/min (00059)	minutes (72004)	NTRU (63676)	mm Hg (00025)	mg/L (00300)	std (00301)	units (00400)	25 degC (00095)
Jun										
14...	0901	Standpipe Blank	--	--	--	--	--	--	--	--
14...	0926	Tubing Blank	--	--	--	--	--	--	--	--
14...	0938	Field Blank	--	--	--	--	--	--	--	--
14...	1050	Environmental	22.90	.50	110	.8	761	5.2	48	5.4
										281

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 12

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

Date	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calci- um water, mg/L (00915)	Magnes- ium, water, mg/L (00925)	Potas- sium, water, mg/L (00935)	Sodium, water, mg/L (00930)	Sodium, water, mg/L CaCO ₃ (39086)	Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (00453)	Bicar- bonate, wat flt incr. titr., field, mg/L (00940)	Chlor- ide, water, mg/L (00950)	Fluor- ide, water, mg/L (00955)	Silica, water, mg/L (00945)	Sulfate water, mg/L (70301)	Residue water, fltrd, sum of consti- tuents mg/L
Jun														
14...	--	--	--	--	--	--	--	--	--	--	--	--	--	
14...	--	--	--	--	--	--	--	--	--	--	--	--	--	
14...	--	--	.04	<.008	--	<.20	--	--	--	--	<.04	--	--	
14...	11.6	100	23.9	10.5	1.19	9.69	30	36	42.8	<.10	11.6	14.6	148	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 12

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

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, filtrd, mg/L (00623)	Ammonia water, filtrd, mg/L (00608)	Nitrite + nitrate water, filtrd, mg/L (00631)	Nitrite water, filtrd, mg/L (00613)	Ortho- phosphate, water, filtrd, mg/L (00671)	Organic carbon, water, filtrd, mg/L (00681)	Alum- inum, water, filtrd, ug/L (01106)	Anti- mony, water, filtrd, ug/L (01095)	Arsenic water, filtrd, ug/L (01000)	Barium, water, filtrd, ug/L (01005)	Beryll- ium, water, filtrd, ug/L (01010)	Boron, water, filtrd, ug/L (01020)
Jun													
14...	--	--	--	--	--	--	--	--	--	--	<.2	--	--
14...	--	--	--	--	--	--	--	--	--	--	<.2	--	--
14...	--	--	--	--	--	--	--	<1.6	<.20	<.12	1	<.06	<8
14...	197	<.10	E.006	3.46	<.002	.019	.5	E1.4	<.20	E.07	31	<.06	14

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 12

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

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 0.7u GF (82660)
Jun													
14...	--	--	<.40	--	<.08	--	<.010	<.06	--	--	--	<.60	--
14...	--	--	1.7	--	.56	--	<.010	.11	--	--	--	1.3	--
14...	E.04	E.03	1.5	<6	.26	<.2	<.010	.40	<.08	<.2	<.04	3.7	--
14...	E.03	.80	4.7	9	E.42	2.9	<.010	1.17	.35	<.2	<.04	E1.8	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 12

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

Date	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF	Ben- flur- alin, water, fltrd 0.7u GF	Car- baryl, water, fltrd 0.7u GF	Carbo- furan, water, fltrd 0.7u GF	Chlor- pyrifos, water, fltrd, ug/L (38933)	cis- methrin water 0.7u GF (82687)	
Jun												
14...	--	--	--	--	--	--	--	--	--	--	--	
14...	--	--	--	--	--	--	--	--	--	--	--	
14...	--	--	--	--	--	--	--	--	--	--	--	
14...	E.002	<.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; M, presence verified but not quantified.]

Date	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water, 0.7u GF (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF	EPTC, water, fltrd 0.7u GF	Ethal- flur- alin, water, fltrd 0.7u GF	Etho- prop, water, fltrd 0.7u GF	Desulf- inyl fipro- nil, water, fltrd, ug/L (62169)	Fipro- nil sulfide (62167)	Fipro- nil water, fltrd, ug/L (62168)
Jun												
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.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; M, presence verified but not quantified.]

Date	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water, 0.7u GF (82666)	Mala- thion, water, fltrd 0.7u GF	Methyl para- thion, water, fltrd 0.7u GF	Metola- chlor, water, fltrd 0.7u GF	Metri- buzin, water, fltrd 0.7u GF	Moli- nate, water, fltrd 0.7u GF	Naprop- amide, water, fltrd 0.7u GF	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd, ug/L (82669)
Jun													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.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; M, presence verified but not quantified.]

Date	Pendi-meth-alin, water, filrd 0.7u GF ug/L (82683)	Phorate water, filrd 0.7u GF ug/L (82664)	Prome-ton, water, filrd, (04037)	Propy-zamide, water, filrd 0.7u GF ug/L (82676)	Propa-chlor, water, filrd, (04024)	Propanil, water, filrd 0.7u GF ug/L (82679)	Propar-gite, water, filrd 0.7u GF ug/L (82685)	Sima-zine, water, filrd, (04035)	Tebu-thiuron, water, filrd 0.7u GF ug/L (82670)	Terba-cil, water, filrd 0.7u GF ug/L (82665)	Terbu-fos, water, filrd 0.7u GF ug/L (82675)	Thio-bencarb, water, filrd 0.7u GF ug/L (82681)	Tri-allate, water, filrd 0.7u GF ug/L (82678)
Jun													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.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; M, presence verified but not quantified.]

Date	Tri-flur-alin, water, filrd 0.7u GF ug/L (82661)	1,1,1-Tri-chloro-ethane, CFC-113 unfilrd water, unfilrd ug/L (34506)	1,1-Di-chloro-ethane, (77652) water, unfilrd ug/L (34496)	1,1-Di-chloro-ethene, (34501) water, unfilrd ug/L (34536)	1,2-Di-chloro-benzene water, unfilrd ug/L (32103)	1,2-Di-chloro-ethane, (34541) water, unfilrd ug/L (34566)	1,2-Di-chloro-propane water, unfilrd ug/L (34571)	1,3-Di-chloro-benzene water, unfilrd ug/L (34030)	1,4-Di-chloro-benzene water, unfilrd ug/L (32101)	Bromo-di-chloro-methane water, unfilrd ug/L (34301)	Chloro-benzene water, unfilrd ug/L (34301)	
Jun												
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.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; M, presence verified but not quantified.]

Date	cis-1,2-Di-chloro-ethene, water, unfilrd ug/L (77093)	Di-bromo-chloro-methane water, unfilrd ug/L (32105)	Di-chloro-difluoro-methane water, unfilrd ug/L (34668)	Di-chloro-methane water, unfilrd ug/L (34423)	Di-ethyl-ether, water, unfilrd ug/L (81576)	Diiso-propyl-ether, water, unfilrd ug/L (81577)	Ethyl-benzene water, unfilrd ug/L (34371)	Methyl-tert-pentyl water, unfilrd ug/L (50005)	Methyl-+ para-Xylene, water, unfilrd ug/L (85795)	Methyl-o-Xylene, water, unfilrd ug/L (77135)	Styrene water, unfilrd ug/L (77128)	t-Butyl-ethyl-ether, water, unfilrd ug/L (50004)	Methyl-t-butyl-ether, water, unfilrd ug/L (78032)
Jun													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.2	<.1	<.1	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 11 of 12

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

Date	Tetra-	Tetra-	trans-	Tri-								Beta	Beta
	chloro-	chloro-	1,2-Di-	Tri-	Tri-	chloro-	Tri-	Vinyl	Alpha	Alpha	radioac	radioac	radioac
	ethene,	methane	Toluene	chloro-	bromo-	chloro-	fluoro-	chloro-	chlor-	radioac	radioac	radioac	radioac
	water,	water	water	water,	water	water,	water	water	ide,	30 day,	72 hr,	30 day,	72 hr,
	unfltrd	methane	wat flt	wat flt	wat flt	wat flt							
	ug/L	pCi/L	pCi/L	pCi/L	pCi/L								
	(34475)	(32102)	(34010)	(34546)	(32104)	(39180)	(34488)	(32106)	(39175)	(62639)	(62636)	(62645)	(62642)
Jun													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	M	M	.2	.8