

Water-Data Report 2007

400811074414101 Local number 051505- MW121

 Northern Atlantic Coastal Plain aquifer system
 Englishtown Formation

Burlington County, NJ

LOCATION.--Lat 40°08'11", long 74°41'41" referenced to North American Datum of 1983, Bordentown Township, Burlington County, NJ, Hydrologic Unit 02040201.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 53.83 ft. Upper casing diameter 2 in; top of first opening 48.83 ft, bottom of last opening 53.83 ft.

DATUM.--Land-surface datum is 74 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2002, 2007.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 20. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 13

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

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity white light, Barometric pressure, corrected	pH, Barometric pressure, corrected	Specific conductance, water, unfiltered field, std units	Temperature, water, °C	Hardness, water, mg/L as CaCO ₃	Calcium water, mg/L as CaCO ₃	Magnesium water, mg/L as CaCO ₃	Potassium water, mg/L as CaCO ₃
	LSD (72019)	Flow rate, gal/min	Flow period, minutes	Flow period, prior to sampling, minutes	Barometric pressure, mm Hg	Specific conductance, µS/cm	Temperature, deg C	Hardness, mg/L as CaCO ₃	Calcium water, mg/L as CaCO ₃	Magnesium water, mg/L as CaCO ₃	Potassium water, mg/L as CaCO ₃
Jun 25...	1350	26.90	.06	75	6.3	760	6.3	143	17.9	32	7.51
											3.12
											2.01

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 13

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

Date	Sodium, water, mg/L	Alkalinity, inc titration, mg/L CaCO ₃	Bicarbonate, wat fltrd, mg/L	Chloride, wat fltrd, mg/L	Fluoride, wat fltrd, mg/L	Silica, water, mg/L	Sulfate, water, mg/L	Residue water, sum of constituents, mg/L	Residue on filter, at 180degC, mg/L	Ammonia + org-N, water, mg/L as N	Nitrate + nitrite, water, mg/L as N	Nitrite, water, mg/L as N
	(00930)	(39086)	(00453)	(00940)	(00950)	(00955)	(00945)	(70301)	(70300)	(00623)	(00608)	(00631)
Jun 25...	3.15	53	65	7.89	.15	17.9	4.11	95	90	<.10	.022	E.03
												.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 13

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

Date	Ortho-phosphate, water, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Alum-inum, water, fltrd, mg/L (01106)	Anti-mony, water, fltrd, mg/L (01095)	Arsenic, water, fltrd, mg/L (01000)	Barium, water, fltrd, mg/L (01005)	Beryll-ium, water, fltrd, mg/L (01010)	Boron, water, fltrd, mg/L (01020)	Cadmium, water, fltrd, mg/L (01025)	Chrom-ium, water, fltrd, mg/L (01030)	Copper, water, fltrd, mg/L (01040)	Iron, water, fltrd, mg/L (01046)	Lead, water, fltrd, mg/L (01049)
Jun 25...	E.010	1.2	<1.6	<.06	1.2	50	<.06	E5	.12	.73	<.40	16,800	<.12

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 13

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

Date	Manganese, water, fltrd, µg/L (01056)	Mercury, water, fltrd, µg/L (71890)	Nickel, water, fltrd, µg/L (01065)	Selen-ium, water, fltrd, µg/L (01145)	Silver, water, fltrd, µg/L (01075)	Thall-ium, water, fltrd, µg/L (01057)	Zinc, water, fltrd, µg/L (01090)	1-Naph-thol, water, fltrd, µg/L (49295)	2,6-Di-ethyl-aniline, water, fltrd, µg/L (82660)	2-Chloro-diethyl-anilide, wat flt, µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-aniline, water, fltrd, µg/L (61620)	3,4-Di-methyl-aniline, water, fltrd, µg/L (61625)
Jun 25...	142	<.010	3.8	<.08	<.1	<.04	3.7	<.09	<.006	<.006	<.014	<.010	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 13

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

Date	3,5-Di-chloro-aniline, water, fltrd, µg/L (61627)	4-Chloro-2methyl phenol, water, fltrd, 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)	Azin-phos-methoxon, water, fltrd, µg/L (61635)	Azin-phos-methyl, water, fltrd, µg/L (82686)	Ben-flur-alin, water, fltrd, µg/L (82673)	Car-baryl, water, fltrd, µg/L (82680)	Carbo-furan, water, fltrd, µg/L (82674)	Chlor-pyrifos, water, fltrd, µg/L (61636)	Chlor-pyrifos, water, fltrd, µg/L (38933)
Jun 25...	<.012	<.005	<.006	<.005	<.011	<.007	<.04	<.080	<.010	<.060	<.020	<.06	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 13

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

Date	cis-Per-methrin water 0.7u 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)	lambda-Cyhalothrin, water, fltrd, μg/L (61595)	Cyper-methrin water, fltrd, μg/L (61586)	DCPA, water, fltrd, μg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, μg/L (62170)	Diazi-non, water, fltrd, μg/L (39572)	Dicro-tophos, water, fltrd, μg/L (38454)	Diel-drin, water, fltrd, μg/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF μg/L (82662)	Disulf-oton sulfone water, fltrd, μg/L (61640)
Jun 25...	<.010	<.013	<.018	<.053	<.014	<.046	<.003	<.012	<.005	<.08	<.009	<.006	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 7 of 13

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

Date	Disul-foton, water, 0.7u GF μg/L (82677)	Endo-sulfan sulfate water, fltrd, μg/L (61590)	EPTC, water, fltrd, μg/L (82668)	Ethion water, 0.7u GF μg/L (61644)	Ethion, monoxon water, fltrd, μg/L (82346)	Etho-prop, water, fltrd, μg/L (82672)	Fenami-phos sulfone water, fltrd, μg/L (61645)	Fenami-phos, oxide, water, fltrd, μg/L (61646)	Fenami-phos, amide, water, fltrd, μg/L (61591)	Desulf-inyl-fipro-nil, water, fltrd, μg/L (62169)	Fipro-nil sulfide water, fltrd, μg/L (62167)	Fipro-nil water, fltrd, μg/L (62168)	Fipro-nil, water, fltrd, μg/L (62166)
Jun 25...	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	<.013	<.024	<.016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 8 of 13

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

Date	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)	Mala-oxon, water, fltrd, μg/L (61652)	Mala-thion, water, fltrd, μg/L (39532)	Meta-laxyl, water, fltrd, μg/L (61596)	Methi-althion water, fltrd, μg/L (61598)	Methyl-para-oxon, water, fltrd, μg/L (61664)	Methyl-para-thion, water, fltrd, 0.7u GF μg/L (82667)	Metola-chlor, water, fltrd, μg/L (39415)	Metri-buzin, water, fltrd, μg/L (82630)	Moli-nate, water, fltrd, μg/L (82671)
Jun 25...	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	<.010	<.012	<.022

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

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

Date	Myclo- butanil water, fltrd, μg/L (61599)	Oxy- fluor- fen, water, water, fltrd, μg/L (61600)	Pendi- meth- alin, water, water, fltrd, 0.7u GF μg/L (82683)	Phorate oxon, water, water, fltrd, μg/L (61666)	Phorate water, water, fltrd, 0.7u GF μg/L (82664)	Prome- ton, water, fltrd, μg/L (04037)	Prome- tryn, water, fltrd, μg/L (04036)	Propy- zamide, water, fltrd, 0.7u GF μg/L (82676)	Pro- panil, water, fltrd, 0.7u GF μg/L (82679)	Propar- gite, water, fltrd, 0.7u GF μg/L (82685)	Sima- zine, water, fltrd, 0.7u GF μg/L (04035)	Tebu- thiuron water, fltrd, 0.7u GF μg/L (82670)	Teflu- thrin, water, fltrd, μg/L (61606)	
Jun 25...	<.033	<.017	<.020	<.03	<.020	<.01	<.006	<.004	<.004	<.011	<.02	<.006	<.02	<.003

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 10 of 13

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

Date	Ter- bufos sulfone water, fltrd, 0.7u GF μg/L (61674)	Terbu- fos, water, fltrd, 0.7u GF μg/L (82675)	Ter- butyl- benzene, water, fltrd, 0.7u GF μg/L (04022)	Thio- bencarb water, fltrd, 0.7u GF μg/L (82681)	trans- Propi- conazole, water, fltrd, 0.7u GF μg/L (79847)	Tribu- phos, water, fltrd, 0.7u GF μg/L (61610)	Tri- flur- alin, water, fltrd, 0.7u GF μg/L (82661)	1,1,1- 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)	1,2-Di- chloro- ethane, water, unfltrd μg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd μg/L (32103)	
Jun 25...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.1	<.1	<.1	<.1	<.1	<.1	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 11 of 13

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

Date	1,2-Di- chloro- propane water, unfltrd μg/L (34541)	1,3-Di- chloro- benzene water, unfltrd μg/L (34566)	1,4-Di- chloro- benzene water, unfltrd μg/L (34571)	Benzene water, unfltrd μg/L (34030)	Bromo- di- chloro- methane water, unfltrd μg/L (32101)	cis- 1,2-Di- chloro- ethene, water, unfltrd μg/L (77093)	Di- bromo- chloro- methane water, unfltrd μg/L (32105)	Di- chloro- fluoro- methane water, unfltrd μg/L (34668)	Di- chloro- methane water, unfltrd μg/L (34423)	Di- ethyl ether, water, unfltrd μg/L (81576)	Diiso- propyl ether, water, unfltrd μg/L (81577)	Ethyl- benzene water, unfltrd μg/L (34371)	
Jun 25...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 12 of 13

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

Date	Methyl	tert-	meta-	o-	t-Butyl	Methyl	Tetra-	Tetra-	trans-	1,2-Di-	Tri-	Tri-	Tri-
	pentyl	pentyl	+ para-	Xylene,	Styrene	ethyl	t-butyl	chloro-	chloro-	chloro-	bromo-	chloro-	fluoro-
	ether, water, unfltrd	Xylene, water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	ether, unfltrd	ether, unfltrd	ethene, unfltrd	methane unfltrd	Toluene unfltrd	ethene, unfltrd	methane unfltrd	ethene, unfltrd
	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (32104)	µg/L (39180)	µg/L (34488)
Jun													
25...	<.2	<.2	<.1	<.1	<.1	<.2	<.1	<.2	<.1	<.1	<.2	<.1	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 13 of 13

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

Date	Tri-	Vinyl	Di-	Alpha	Alpha	Beta	Beta
	chloro-	chlor-	chlor-	radioac	radioac	radioac	radioac
	methane water, unfltrd	chloride, water, unfltrd	chlorvos, water, filtrd.	30 day, wat flt	72 hr, wat flt	30 day, wat flt	72 hr, wat flt
	µg/L (32106)	µg/L (39175)	µg/L (38775)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)
Jun							
25...	<.1	<.2	<.01	2.2	4.4	1.4	2.0