

Water-Data Report 2007

404146075112101 Local number 410461- MW119

Other aquifers
 Kittatinny Limestone
 Warren County, NJ

LOCATION.--Lat 40°41'46", long 75°11'21" referenced to North American Datum of 1927, Phillipsburg Town, Warren County, NJ, Hydrologic Unit 02040105.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 160 ft. Upper casing diameter 2 in; top of first opening 140 ft, bottom of last opening 160 ft.

DATUM.--Land-surface datum is 316 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2003, 2007.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 1. 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 14

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

Date	Time	Sample type	Depth to water, feet below	Pump or flow rate, instaneous	Turbidity period prior to sampling, minutes	Barometric pressure, 90+/-30 corrctd	Dissolved oxygen, mm Hg	pH, percent of saturation	Specific conductance, water, unfiltrd field, std units	Specifc conductance, water, unfiltrd field, std units	Specifc conductance, water, unfiltrd field, std units
			LSD (72019)	gal/min (00059)	minutes (72004)	NTRU (63676)	mg/L (00025)	(00300)	(00301)	(00400)	(00095)
Jul											
11...	1135	Field Blank	--	--	--	--	--	--	--	--	--
11...	1140	Environmental	95.71	.20	140	1.5	751	6.7	67	7.5	494

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

Part 2 of 14

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

Date	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (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. titr.,	Chlor- ide, water, 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)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	15.4	210	43.2	25.6	2.34	14.7	159	193	31.4	E.10	12.9	22.3	267

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 14

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

Date	Residue on evap. 180degC wat flt	Ammonia + org-N, mg/L (70300)	Ammonia water, fltrd, mg/L (00623)	Nitrate + nitrite water, fltrd, mg/L (00608)	Nitrite water, fltrd, mg/L (00631)	Ortho- phosphate, water, fltrd, mg/L (00613)	Organic carbon, water, fltrd, mg/L (00671)	Alum- inum, water, fltrd, μg/L (01106)	Anti- mony, water, fltrd, μg/L (01095)	Arsenic water, fltrd, μg/L (01000)	Barium, water, fltrd, μg/L (01005)	Beryll- ium, water, fltrd, μg/L (01010)	Boron, water, fltrd, μg/L (01020)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	262	<.10	<.020	4.28	E.001	.007	.5	4.1	<.06	.12	.43	<.06	E5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 14

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

Date	Cadmium water, fltrd, μg/L (01025)	Chrom- ium, water, fltrd, μg/L (01030)	Copper, water, fltrd, μg/L (01040)	Iron, water, fltrd, μg/L (01046)	Lead, water, fltrd, μg/L (01049)	Mangan- ese, 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, 0.7u GF (49295)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.04	1.9	<.40	<6	E.09	E.1	<.010	.47	.76	<.1	<.04	E.48	<.09

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 14

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

Date	2,6-Di- ethyl- aniline 0.7u GF water, fltrd, μg/L (82660)	2-Chloro- -2',6'- diethyl acet- anilide wat flt μg/L (61618)	2-Ethyl- -6- CIAT, water, fltrd, μg/L (04040)	3,4-Di- methyl- aniline water, fltrd, μg/L (61620)	3,5-Di- chloro- aniline water, fltrd, μg/L (61625)	Chloro- 2methyl aniline water, fltrd, μg/L (61627)	4- Chloro- phenol, water, fltrd, μg/L (61633)	Aceto- chlor, water, fltrd, μg/L (49260)	Alpha- Endo- sulfan, water, fltrd, μg/L (46342)	Atra- zine, water, fltrd, μg/L (34362)	Azin- phos- methyl oxon, water, fltrd, μg/L (39632)	Azin- phos- methyl, water, fltrd, μg/L (61635)	Azin- phos- methyl, water, fltrd, μg/L (82686)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.006	<.006	E.076	<.010	<.004	<.012	<.005	<.006	<.005	<.011	.070	<.04	<.080

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 14

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

Date	Ben-flur-alin, water, fltrd 0.7u GF	Car-baryl, water, fltrd 0.7u GF	Carbo-furan, water, fltrd 0.7u GF	Chlor-pyrifos oxon, water, fltrd 0.7u GF	Chlor-pyrifos water, fltrd 0.7u GF	cis-Per-methrin water 0.7u GF	cis-Propi-conazole, water, fltrd 0.7u GF	Cyana-zine, water, fltrd 0.7u GF	Cyflu-thrin, water, fltrd 0.7u GF	lambda-Cyhalothrin, water, fltrd 0.7u GF	Cyper-methrin water, fltrd 0.7u GF	DCPA, water, fltrd 0.7u GF	Desulf-inyl-fipro-nil, water, fltrd 0.7u GF
	µg/L (82673)	µg/L (82680)	µg/L (82674)	µg/L (61636)	µg/L (38933)	µg/L (82687)	µg/L (79846)	µg/L (04041)	µg/L (61585)	µg/L (61595)	µg/L (61586)	µg/L (82682)	µg/L (62170)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	<.012

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 7 of 14

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

Date	Diazi-non, water, fltrd, 0.7u GF	Dicro-tophos, water, fltrd, 0.7u GF	Diel-drin, water, fltrd, 0.7u GF	Dimeth-oate, water, fltrd 0.7u GF	Disulf-oton sulfone water, fltrd 0.7u GF	Disul-foton, water, fltrd 0.7u GF	Endo-sulfan sulfate water, fltrd 0.7u GF	EPTC, water, fltrd 0.7u GF	Ethion monoxon water, fltrd 0.7u GF	Ethion, water, fltrd 0.7u GF	Etho-prop, water, fltrd 0.7u GF	Fenami-phos sulfone water, fltrd, 0.7u GF	Fenami-phos sulfide water, fltrd 0.7u GF
	µg/L (39572)	µg/L (38454)	µg/L (39381)	µg/L (82662)	µg/L (61640)	µg/L (82677)	µg/L (61590)	µg/L (82668)	µg/L (61644)	µg/L (82346)	µg/L (82672)	µg/L (61645)	µg/L (61646)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 8 of 14

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

Date	Desulf-inyl-fipro-nil, water, fltrd, 0.7u GF	Fipro-nil, sulfide water, fltrd 0.7u GF	Fipro-nil, sulfone water, fltrd 0.7u GF	Fipro-nil, water, fltrd 0.7u GF	Fonofos water, fltrd 0.7u GF	Hexa-zinone, water, fltrd 0.7u GF	Ipro-dione, water, fltrd 0.7u GF	Isofen-phos, water, fltrd 0.7u GF	Mala-oxon, water, fltrd 0.7u GF	Mala-thion, water, fltrd 0.7u GF	Meta-laxyl, water, fltrd 0.7u GF	Methi-althion, water, fltrd 0.7u GF	
	µg/L (61591)	µg/L (62169)	µg/L (62167)	µg/L (62168)	µg/L (62166)	µg/L (04095)	µg/L (04025)	µg/L (61593)	µg/L (61594)	µg/L (61652)	µg/L (39532)	µg/L (61596)	µg/L (61598)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.03	<.029	<.013	<.024	<.016	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 9 of 14

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

Date	Methyl para-oxon, water, fltrd, 0.7u GF (61664)	Methyl para-thion, water, fltrd, 0.7u GF (82667)	Metola-chlor, water, fltrd, (39415)	Metri-buzin, water, fltrd, (82630)	Moli-nate, water, fltrd, 0.7u GF (82671)	Myclo-butanol, water, fltrd, (61599)	Oxy-fluor-fen, water, fltrd, 0.7u GF (61600)	Pendi-meth-alin, water, fltrd, 0.7u GF (82683)	Phorate oxon, water, fltrd, 0.7u GF (61666)	Phorate oxon, water, fltrd, 0.7u GF (82664)	Phosmet oxon, water, fltrd, 0.7u GF (61668)	Phosmet oxon, water, fltrd, 0.7u GF (61601)	Prome-ton, water, fltrd, (04037)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.02	<.008	E.007	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 10 of 14

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

Date	Promo-tryn, water, fltrd, 0.7u GF (04036)	Propy-zamide, water, fltrd, 0.7u GF (82676)	Propanil, water, fltrd, 0.7u GF (82679)	Propar-gite, water, fltrd, 0.7u GF (82685)	Sima-zine, water, fltrd, 0.7u GF (04035)	Tebu-thiuron, water, fltrd, 0.7u GF (82670)	Teflu-thrin, water, fltrd, 0.7u GF (61606)	Ter-bufos, water, fltrd, 0.7u GF (61674)	Ter-bufox, water, fltrd, 0.7u GF (82675)	Ter-buthyl-azine, water, fltrd, 0.7u GF (04022)	Thio-bencarb, water, fltrd, 0.7u GF (82681)	Propi-conazole, water, fltrd, 0.7u GF (79847)	trans-Tribu-phos, water, fltrd, 0.7u GF (61610)
Jul													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.006	<.004	<.011	<.02	E.008	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 11 of 14

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

Date	Tri-flur-alin, water, fltrd, 0.7u GF (82661)	1,1,1-Tri-chloro-ethane, water, unfltrd (34506)	1,1-Di-chloro-ethane, water, unfltrd (77652)	1,1-Di-chloro-ethene, water, unfltrd (34496)	1,2-Di-chloro-benzene, water, unfltrd (34501)	1,2-Di-chloro-ethane, water, unfltrd (34536)	1,2-Di-chloro-ethane, water, unfltrd (32103)	1,3-Di-chloro-propane, water, unfltrd (34541)	1,4-Di-chloro-benzene, water, unfltrd (34566)	Benzene, water, unfltrd (34571)	Benzene, water, unfltrd (34030)	Bromo-di-chloro-methane, water, unfltrd (32101)	Chloro-benzene, water, unfltrd (34301)
Jul													
11...	--	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1
11...	<.009	.5	<.1	<.1	<.1	<.1	.3	<.1	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 12 of 14

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

Date	cis-1,2-Dichloroethene, water, unfltrd	Di-bromo-chloro-methane, water, unfltrd	Di-chloro-fluoro-methane, wat unf	Di-chloro-ether, water, unfltrd	Di-isopropyl ether, water, unfltrd	Ethyl benzene	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	
	µg/L (77093)	µg/L (32105)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)
Jul													
11...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2
11...	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 13 of 14

[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	Tri-chloro-ethene, water, unfltrd	Tri-chloro-fluoro-methane	Vinyl chloride, water, unfltrd	Di-chloro-vos, water, unfltrd	Alpha radioac, 30 day, Th-230, pCi/L	Alpha radioac, 72 hr, wat flt, Th-230, pCi/L	Beta radioac, 30 day, wat flt, Cs-137, pCi/L	
	µg/L (34475)	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (32104)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	µg/L (38775)	µg/L (62639)	µg/L (62636)	µg/L (62645)
Jul													
11...	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	--	--	--	--
11...	<.1	<.2	<.1	<.1	<.2	<.1	<.2	.2	<.2	<.01	-.4	.1	1.8

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

Part 14 of 14

[Remark codes:

<, less than;

E, estimated.]

Date	Beta radioac, 72 hr, wat flt, Cs-137, pCi/L
	µg/L (62642)
Jul	
11...	--
11...	2.2