

## Water-Data Report 2007

**410332074275401 Local number 310166- Institutional 1**

 Other aquifers  
 Bellvale Sandstone

Passaic County, NJ

LOCATION.--Lat 41°03'32", long 74°27'54" referenced to North American Datum of 1927, West Milford Township, Passaic County, NJ, Hydrologic Unit 02030103, on Paradise Road, near intersection with Lindsay Road.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 156 ft. Upper casing diameter 6 in; top of first opening 30 ft, bottom of last opening 156 ft.

DATUM.--Land-surface datum is 930 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--August 2007.

REMARKS.--Green Pond Mountain Group (Devonian).

COOPERATION.--Water-quality samples were collected as part of the North New Jersey Radionuclide project, in cooperation with the New Jersey Department of Environmental Protection.

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

Part 1 of 4

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

Date	Time	Sample type	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	pH, Dis- solved oxygen, mg/L (00300)	water, unfltrd field, std units (00400)	Specif- ic water, wat unf μS/cm (00095)	conduc- tance, wat unf 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
<b>Aug</b>													
28...	1145	Environmental	5.1	746	.7	6.8	161	24.0	15.6	12.0	--	47	
28...	1145	Replicate	--	--	--	--	--	--	--	--	--	--	
28...	1250	Treated water	.6	746	.9	6.8	163	24.0	17.4	11.4	44	44	

410332074275401 Local number 310166- Institutional 1—Continued

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

Part 2 of 4

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

Date	Chlor-	Silica,	Sulfate	Ammonia	Nitrate + nitrite	Nitrite	Ortho-phosphate,	E coli, Defined Substr.	Total coliform,	Arsen- ate, water,	Arsenic	Arsen- ite, water,	Barium,
	ide, water, fltrd,	water, fltrd,	water, fltrd,	water, mg/L as N	water, mg/L as N	water, mg/L as N	water, mg/L as P	Tech., MPN/100 mL	Tech., MPN/100 mL	fltrd, µg/L as As	fltrd, µg/L as As	fltrd, µg/L as As	water, µg/L (01005)
	(00940)	(00955)	(00945)	(00608)	(00631)	(00613)	(00671)	(50468)	(50569)	(62453)	(01000)	(62452)	(01005)
<b>Aug</b>													
28...	16.9	10.3	6.58	<.020	.20	<.002	.041	<1	<1	1.4	3.2	2.1	3.6
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<1	<1	--	--	--	--

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

Part 3 of 4

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

Date	Mangan-	Stront-	Alpha radioac	Alpha radioac	Alpha	Ra-226	Ra-226	Ra-228	Ra-228	Ra-228,			
	Iron, water, fltrd, µg/L (01046)	ese, water, fltrd, µg/L (01056)	ium, water, fltrd, µg/L (01080)	2-sigma pCi/L (62637)	mdc, 72 hr, wat flt	72 hr, wat flt	72 hr, wat flt	MDC, water, gamma	water, fltrd, count, pCi/L (99324)	MDC, water, gamma	water, unfltrd, count, pCi/L (50911)	MDC, water, gamma	water, unfltrd, count, pCi/L (99325)
	(01046)	(01056)	(01080)	(62637)	(62638)	(62636)	(99324)	(50911)	(99325)	(50837)	(50840)	(99326)	(50839)
<b>Aug</b>													
28...	499	446	28.1	.41	.5	E.3	.860	.17	.440	E.03	.26	.880	E.04
28...	--	--	--	.45	.5	E.3	--	--	--	--	--	--	--
28...	22	--	27.2	.30	.5	E.1	.900	.33	.990	.00	.72	2.100	<2.10

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

Part 4 of 4

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

Date	Rn-222 count-		Uranium		
	Rn-222 2-sigma pCi/L (76002)	ing error, pCi/L (82302)	Rn-222, pCi/L (82305)	Rn-222, pCi/L (82303)	natural µg/L (22703)
	(76002)	(82302)	(82305)	(82303)	(22703)
<b>Aug</b>					
28...	38	75	2,070	1,360	<.04
28...	--	--	--	--	--
28...	--	56	1,620	--	<.04