

Water-Data Report 2007

411312074304501 Local number 370357- Clifton Lakes 1

 Piedmont and Blue Ridge crystalline-rock aquifers
 Precambrian Erathem

Sussex County, NJ

LOCATION.--Lat 41°13'12", long 74°30'45" referenced to North American Datum of 1927, Vernon Township, Sussex County, NJ, Hydrologic Unit 02020007, off Lake Wallkill Road.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 185 ft. Upper casing diameter 8 in, top of first opening 40 ft, bottom of last opening 185 ft.

DATUM.--Land-surface datum is 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--July 2007.

REMARKS.--Middle Proterozoic Metasedimentary rock.

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

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

Part 1 of 4

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

Date	Time	Sample type	Baro-metric pressure, mm Hg (00025)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc-tance, wat unf µS/cm (00095)	Temper-ature, air, deg C (25 degC 00020)	Temper-ature, water, deg C (00010)	Calcium water, filtrd, mg/L (00915)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor-ide, water, filtrd, mg/L (00940)	Silica, water, filtrd, mg/L (00955)	Sulfate water, filtrd, mg/L (00945)
Jul 23...	1330	Environmental	746	7.5	885	16.0	19.7	102	123	169	17.2	36.0
Jul 23...	1330	Replicate	--	--	--	--	--	--	--	--	--	--

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

Part 2 of 4

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

Date	Nitrate + Ammonia water, filtrd, mg/L as N (00608)	Nitrite water, filtrd, mg/L as N (00631)	Ortho-phosphate, water, filtrd, mg/L as N (00613)	E coli, Defined Substr.	Total coliform, Tech., MPN/100 mL (50468)	Arsen-ite, water, filtrd, µg/L as As (62453)	Arsen-ite, water, filtrd, µg/L as As (01000)	Barium, water, filtrd, µg/L (62452)	Iron, water, filtrd, µg/L (01005)	Mangan-ese, water, filtrd, µg/L (01046)	Stront-ium, water, filtrd, µg/L (01056)
Jul 23...	<.020	1.87	<.002	.020	<1	<1	.4	.17	E.10	41.6	<6
Jul 23...	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 4

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

Date	Alpha radioac 2-sigma	Alpha radioac mdc, 72 hr, wat flt	Alpha radioac 72 hr, wat flt	Ra-226 Ra-224	2-sigma water, filtrd,	Ra-226, MDC, gamma	2-sigma water, filtrd,	Ra-228, MDC, gamma	2-sigma water, filtrd,	Ra-228, MDC, gamma	2-sigma water, filtrd,	Rn-222 count- ing error,	Rn-222, water, filtrd,	Uranium natural water, filtrd, μg/L
	Th-230, Th-230, pCi/L (62637)	Th-230, Th-230, pCi/L (62638)	Th-230, Th-230, pCi/L (62636)	pCi/L (99324)	pCi/L (50911)	pCi/L (99325)	pCi/L (50837)	pCi/L (50840)	pCi/L (99326)	pCi/L (50839)	pCi/L (82302)	pCi/L (82305)	(22703)	
Jul														
23...	3.0	.6	27	.920	.31	.990	E.30	.78	2.200	E1.65	450	8,930	31.6	
23...	2.8	.6	24	.920	--	--	--	--	--	--	--	--	--	31.6