Water-Data Report 2008

404214074465501 Local number 190530- Inst

Piedmont and Blue Ridge crystalline-rock aquifers
Precambrian Erathem

Hunterdon County, NJ

LOCATION.--Lat 40°42′14″, long 74°46′55″ referenced to North American Datum of 1927, Tewksbury Township, Hunterdon County, NJ, Hydrologic Unit 02030105.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 200 ft. Upper casing diameter 8 in; top of first opening 57.2 ft, bottom of last opening 200 ft.

DATUM.--Land-surface datum is 650 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--WY 2008.

REMARKS.--Mid Proterozoic Byram Intrusive.

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 2007 TO SEPTEMBER 2008
Part 1 of 3
[Remark codes: <, less than; E, estimated.]

Date	Time	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
Oct 15...	1425	.3	749	8.2	5.4	77	18.0	12.4	7.12	2.88	18.5	10.0	E.012

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 3
[Remark codes: <, less than; E, estimated.]

Date	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Arsenate, water, fltrd, µg/L as As (62453)	Arsenic water, fltrd, µg/L (01000)	Arsenite, water, fltrd, µg/L as As (62452)	Barium, water, fltrd, µg/L (01005)	Iron, water, fltrd, µg/L (01046)	Manganese, water, fltrd, µg/L (01056)	Strontium, water, fltrd, µg/L (01080)	Alpha radioac 2-sigma 72 hr, wat flt Th-230, pCi/L (62637)
Oct 15...	.14	<.002	.010	<1	<1	<.2	<.06	<.2	1.8	<8	.6	33.2	.64

404214074465501 Local number 190530- Inst—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 3
[Remark codes: <, less than; E, estimated.]

Date	Alpha radioac mdc, 72 hr, wat flt Th-230, pCi/L (62638)	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Ra-224 MDC, water, fltrd, pCi/L (99324)	Ra-226 2-sigma water, fltrd, gamma count, pCi/L (50911)	Ra-226 MDC, water, fltrd, pCi/L (99325)	Ra-226, water, fltrd, gamma count, pCi/L (50837)	Ra-228 2-sigma water, unfltrd gamma count, pCi/L (50840)	Ra-228 MDC, water, fltrd, pCi/L (99326)	Ra-228, water, unfltrd gamma count, pCi/L (50839)	Rn-222 count-ing error, water, unfltrd pCi/L (82302)	Rn-222, water, fltrd, pCi/L (82305)	Uranium natural water, fltrd, µg/L (22703)
Oct												
15...	.60	.687	1.100	.34	1.000	.00	.76	2.000	<2.00	670	14,400	.37