



Water-Data Report 2006

400258075412801 Local number CH 4195

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic and Intermediate Gneiss, Amphibolite Facies

Chester County, PA

LOCATION.--Lat 40°02'58", long 75°41'28" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040205.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 150 ft. Upper casing diameter 6 in; top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

REMARKS.--Some values for filtered parameters exceed values for the corresponding unfiltered parameter. These results are within the limits of analytical precision and methods. Station operated as part of the Chester County Ground-Water-Quality Monitoring Project.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Chester County Water Resources Authority and Chester County Health Department.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 3

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

Date	Time	Agency ana- lyzing sample, code (00028)	Depth of well, below LSD (72008)	Alti- tude of land surface feet (72000)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)
Sep 26...	1230	80020	150	440	757	5.4	7.1	7.4	302	299	13.8	.05	.014

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 3

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

Date	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)
Sep 26...	.32	66.4	78	10.7	<.10	18.8	25.9	<.010	4.98	.004	.008	.57	12

400258075412801 Local number CH 4195—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 3

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

Date	Copper, water, fltred, ug/L (01040)	Iron, water, fltred, ug/L (01046)	Lead, water, fltred, ug/L (01049)	Lead, water, unfltred, recover- able, ug/L (01051)	Mangan- ese, water, fltred, ug/L (01056)	Zinc, water, fltred, ug/L (01090)	Uranium natural water, fltred, ug/L (22703)
Sep 26...	2.6	<6	.16	.15	<.6	1.9	E.03