



Water-Data Report 2007

403626076253001 ORCHARD MINE, SITE E3-S0, NEAR JOLIETT, PA

Lower Susquehanna Basin
Lower Susquehanna-Swatara Subbasin

LOCATION.--Lat 40°36'26", long 76°25'30" referenced to North American Datum of 1927, Schuylkill County, PA, Hydrologic Unit 02050305.

DRAINAGE AREA.--Not determined.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to current year.

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 Swatara Creek Mine Drainage Project.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Schuylkill Conservation District and the Pennsylvania Department of Environmental Protection.

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

Part 1 of 3

Date	Time	Instantaneous discharge, cfs (00061)	Oxidation reduction potential, mV (00090)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specific conductance, wat unf 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover-able, mg/L (00916)	Magnesium water, fltrd, mg/L (00925)	Magnesium water, unfltrd recover-able, mg/L (00927)
Dec 18...	0815	.045	460	4.1	37	4.5	4.1	240	10.7	15	15	12	12
Mar 27...	1415	.089	550	5.3	47	4.0	4.2	230	10.0	12	12	11	11

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

Part 2 of 3

Date	Potassium, water, fltrd, mg/L (00935)	Potassium, water, unfltrd recover-able, mg/L (00937)	Sodium, water, fltrd, mg/L (00930)	Sodium, water, unfltrd recover-able, mg/L (00929)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Acidity water, unfltrd heated, mg/L as CaCO3 (70508)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recover-able, µg/L (01105)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover-able, µg/L (01045)	Manganese, water, fltrd, µg/L (01056)
Dec 18...	1.7	1.7	1.1	1.8	.000	23.4	1.4	110	500	500	4,200	5,400	1,400
Mar 27...	2.5	2.3	2.4	2.2	.000	15.6	2.4	100	700	700	2,000	2,300	1,300

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

Date	Mangan-	Nickel,	Nickel,	Zinc,	Zinc,
	ese, water, unfltrd recover -able, µg/L (01055)	water, fltrd, µg/L (01065)	unfltrd recover -able, µg/L (01067)	water, fltrd, µg/L (01090)	unfltrd recover -able, µg/L (01092)
Dec 18...	1,400	63	64	240	95
Mar 27...	1,200	64	62	120	110