



Water-Data Report 2006

0146742498 BELL WATER LEVEL TUNNEL, 225 M DOWNSTREAM, NEAR MIDDLEPORT, PA

Lower Delaware Basin
Schuylkill Subbasin

LOCATION.--Lat 40°45'14", long 76°02'57" referenced to North American Datum of 1927, Schuylkill County, PA, Hydrologic Unit 02040203.

DRAINAGE AREA.--.02 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1997 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 Bell Mine AMD 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 2005 TO SEPTEMBER 2006**

Part 1 of 3

[Remark codes: <, less than.]

Date	Time	Medium code	Agency analyzing sample, code (00028)	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)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Calcium water unfiltered, recoverable, mg/L (00916)
Oct 05...	1530	9	89203	1.22	320	10.5	103	6.2	6.2	280	14.4	28.0	28.0

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

Part 2 of 3

[Remark codes: <, less than.]

Date	Magnesium, water, fltrd, mg/L (00925)	Magnesium, water, unfiltered, recoverable, mg/L (00927)	Potassium, water, fltrd, mg/L (00935)	Potassium, water, unfiltered, recoverable, mg/L (00937)	Sodium, water, fltrd, mg/L (00930)	Sodium, water, unfiltered, recoverable, mg/L (00929)	ANC, wat unfiltered, fixed end pt, lab, mg/L as CaCO3 (00417)	Acidity, water, unfiltered, heated, mg/L as CaCO3 (70508)	Chloride, water, fltrd, mg/L (00940)	Sulfate, water, fltrd, mg/L (00945)	Aluminum, water, fltrd, ug/L (01106)	Aluminum, water, unfiltered, recoverable, ug/L (01105)	Iron, water, fltrd, ug/L (01046)
Oct 05...	16.0	16.0	1.00	1.00	2.60	2.30	12.0	-6.80	3.40	130	<100	500	1,000

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 3

[Remark codes: <, less than.]

Date	Iron,	Mangan-	Mangan-	Nickel,	Nickel,	Zinc,	Zinc,
	water,	ese,	ese,	water,	water,	water,	water,
	unfltrd	water,	water,	unfltrd	unfltrd	unfltrd	unfltrd
	recover						
	-able,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,
	ug/L						
	(01045)	(01056)	(01055)	(01065)	(01067)	(01090)	(01092)
Oct							
05...	1,500	1,000	1,000	40.0	40.0	110	110