



Water-Data Report 2006

**0146742500 SCHUYLKILL RIVER BELOW BELL TUNNEL AT MARYD, PA**

Lower Delaware Basin  
Schuylkill Subbasin

LOCATION.--Lat 40°45'12", long 76°03'01" referenced to North American Datum of 1983, Schuylkill County, PA, Hydrologic Unit 02040203.

DRAINAGE AREA.--3.35 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--October 2001 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 Headwaters Association 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... | 1515 | 9           | 89203                                 | 2.05                                 | 330                                       | 9.30                           | 95.1                                            | 6.0                                         | 6.4                                       | 270                                                        | 16.3                              | 25.0                               | 25.0                                                |

**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... | 15.0                                  | 15.0                                                    | 1.60                                  | 1.60                                                    | 5.90                               | 5.50                                                 | 9.50                                                          | -3.40                                                     | 8.40                                 | 120                                 | <100                                 | 300                                                    | 630                              |

**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) |
| <b>Oct</b>   |         |         |         |         |         |         |         |
| <b>05...</b> | 920     | 960     | 980     | 30.0    | 30.0    | 80.0    | 75.0    |