

# SCHUYLKILL RIVER RESTORATION FUND

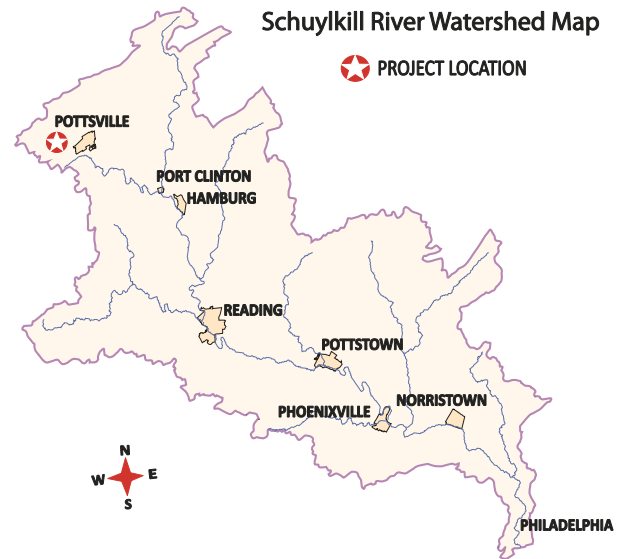
## WHEELER FLUME- Pine Knot Discharge Abandoned Mine Drainage

### Project Overview

In 2010 the Schuylkill Headwaters Association was awarded a grant for the amount of \$100,000 to complete a unique project within watershed of the West Branch of the Schuylkill River.

The Pine Knot discharge is by volume the largest AMD discharge located within the Schuylkill River Watershed. Years ago a mining company constructed a wooden flume within the tributary of Wheeler Run to prevent water from entering the mine pool. After years of deterioration the flume was no longer acting as the intended barrier. Schuylkill Headwaters removed the old flume and then replaced it with a large diameter smooth-lined plastic corrugated pipe.

The stream channel below the piping was redefined and stabilized with rip rap R-3 stone. For a length of 230 feet. Abandoned mine drainage from the Pine Knot Pool contains elevated levels of aluminum, iron, manganese, and acidity as it discharges to the West Branch of the Schuylkill River and ultimately the Schuylkill River. This project has reduced the recharge to the Pine Knot Pool, reduced non-point source pollution to the watershed and has improved the overall water quality of the Schuylkill River,



### Summary & Funding



#### Funding and Leveraged Dollars

Grant Award	\$100,000
William Penn Foundation	51,000
<b>Total Project Cost</b>	<b>\$151,000</b>

