Locust Lake State Park Recreational Reservoir Dam, Discharge, and Holding Ponds
Silver Creek Remediation System

Soluble Iron is oxidized and given the opportunity to precipitate in a series of wetlands.
The iron precipitate will slough off the rocks when disturbed. Limestone helps increase the pH of the slightly acidic water.
The West Branch of the Schuylkill River and the Pine Knot Discharge flow side by side at this site.

Iron precipitates as the orange coating seen in the picture below.

There are times of the year when the West Branch is completely dry but the Pine Knot Discharge flows year round.
Reclaimed Strip Mine and Biosolids

The Clean Water Act of 1972 requires mines to be brought back to pre-mining state (above). Biosolids are being used to increase the vegetation in the reclaimed mine (above) and to increase the rate of poplar growth across the road from this reclaimed strip mine (left).
Class Photo at the Drag Line
This equipment is used in coal mining operations. It runs on electricity and allows operators to excavate immense quantities of coal resources quickly.
Wagoner Run - The stream channel at this location (top right) overflows into a large gully (top left) which empties into a stripping pit during times of high precipitation. A joint effort between the Conservation District, the Headwater Association, the Water Authority, and the mining company produced the berm/road (below) which keeps the overflow out of the pit.
Just up the hill from the Wagoner Run berm site, an air shaft and fan at the surface overly a slope mine.
Wadesville Stripping Pit – This coal mine taps the Mammoth Coal Vein. The ledge overlooking the pit is 400ft above the base of the pit. A drag line is visible at the base (bottom right)