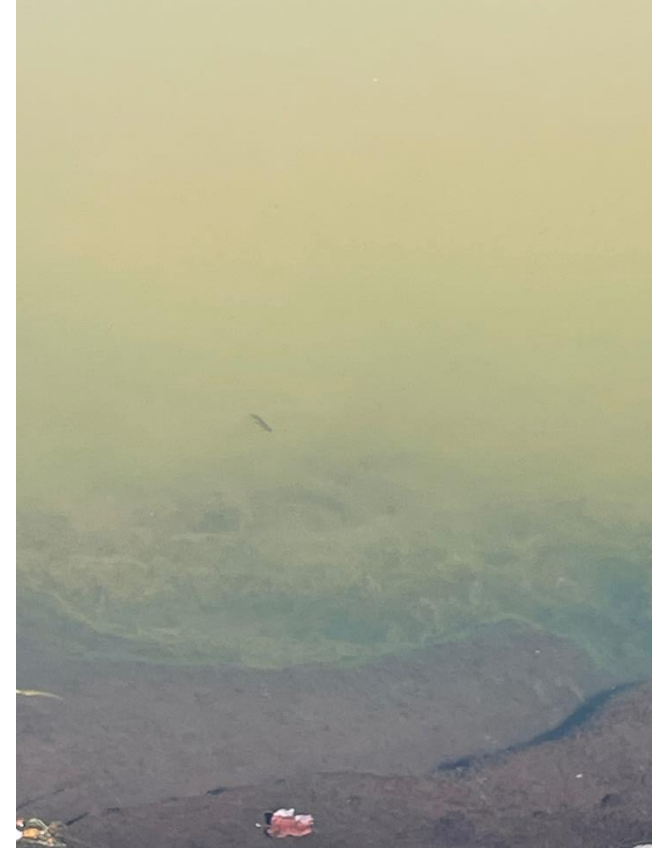




Locust Lake State Park is in a clean watershed due to topography.  
The dam was constructed to create a reservoir for recreation.  
The drain in the lake automatically controls the lake level.





Water exits the lake through the discharge area.  
The banks are protected by rip rap that decrease erosion.  
This year, there were salamanders in the water!





The spillway had some adjustment occurring





The Schuylkill Conservation District and the Schuylkill Headwaters Association work toward a cleaner watershed through passive remediation projects such as this wetlands at Mary-D. Abandoned Mine Drainage (AMD) enters the system with low pH and high iron levels. The water is passed over limestone to increase the pH. There are a series of pools in which the iron can oxidize and precipitate out of the AMD





Springdale pit, with coal seams running nearly vertical through the rock formations







Springdale pit







Lots of rock samples were found – with quartz crystals, plant fossils, and mica flakes





The 309 Discharge is a site of active remediation where the water is being treated to increase the pH and remove iron prior to discharge into the Little Schuylkill River. Following the active treatment, the water flows through a wetland area where iron precipitates prior to entering the Little Schuylkill River.

