

Acid Mine Drainage (AMD) & ART: Combining Science and Art

Webcast on July 18, 2007

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Director, Appalachian Coal Country Watershed Team

The Watershed Academy

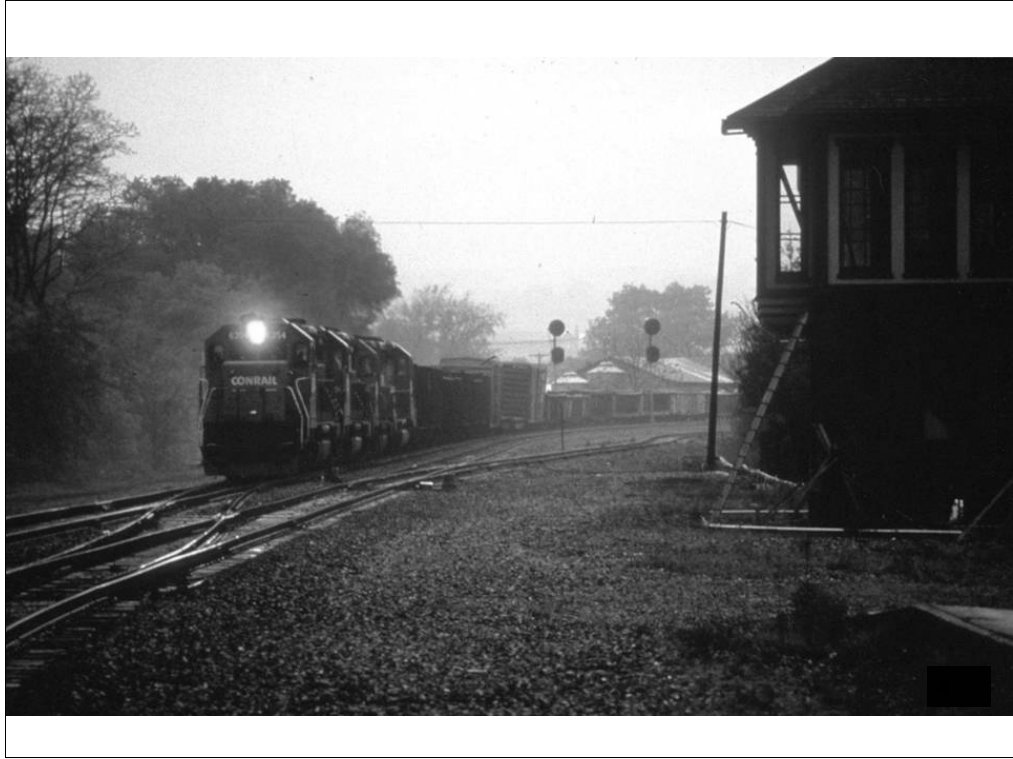


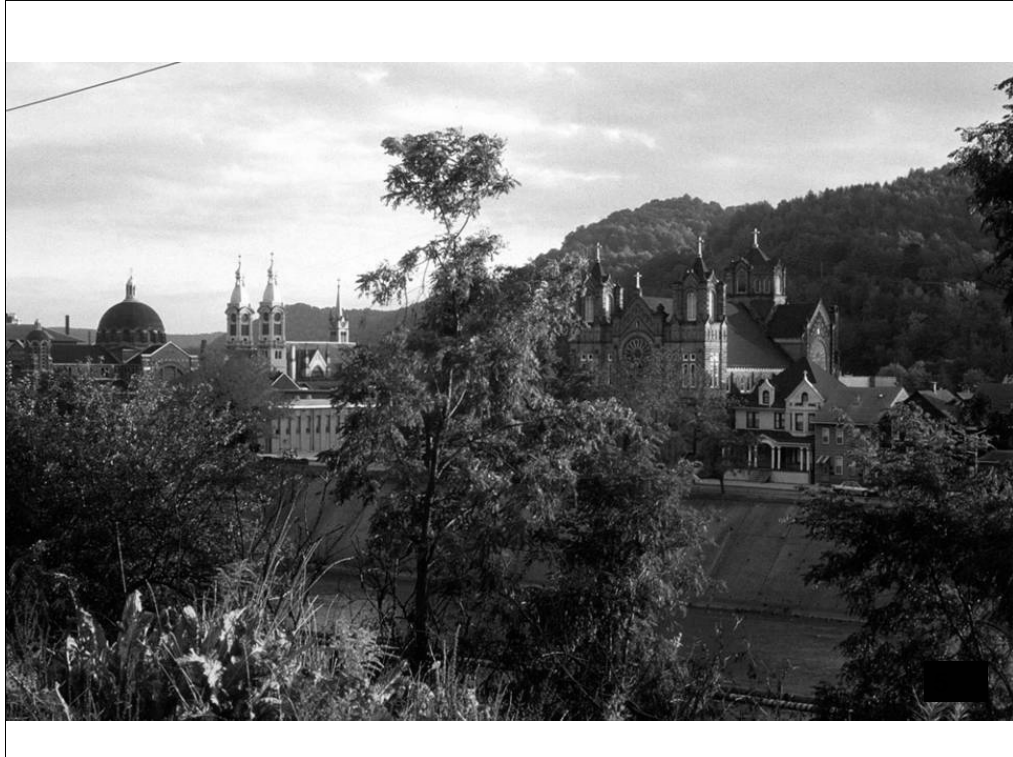
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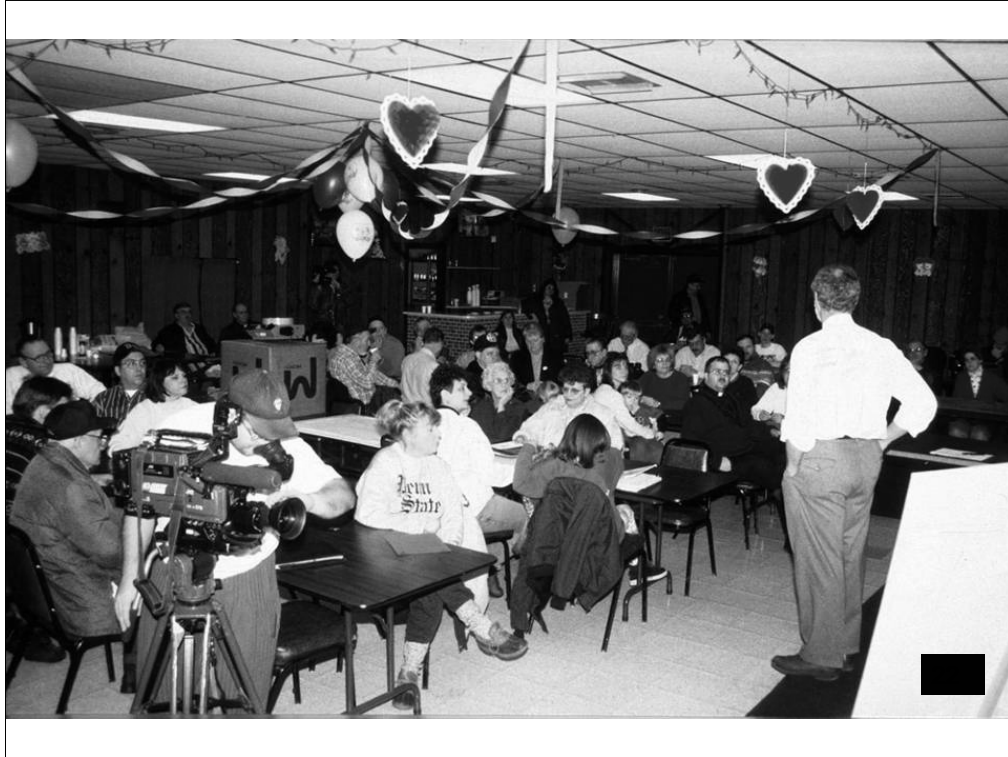


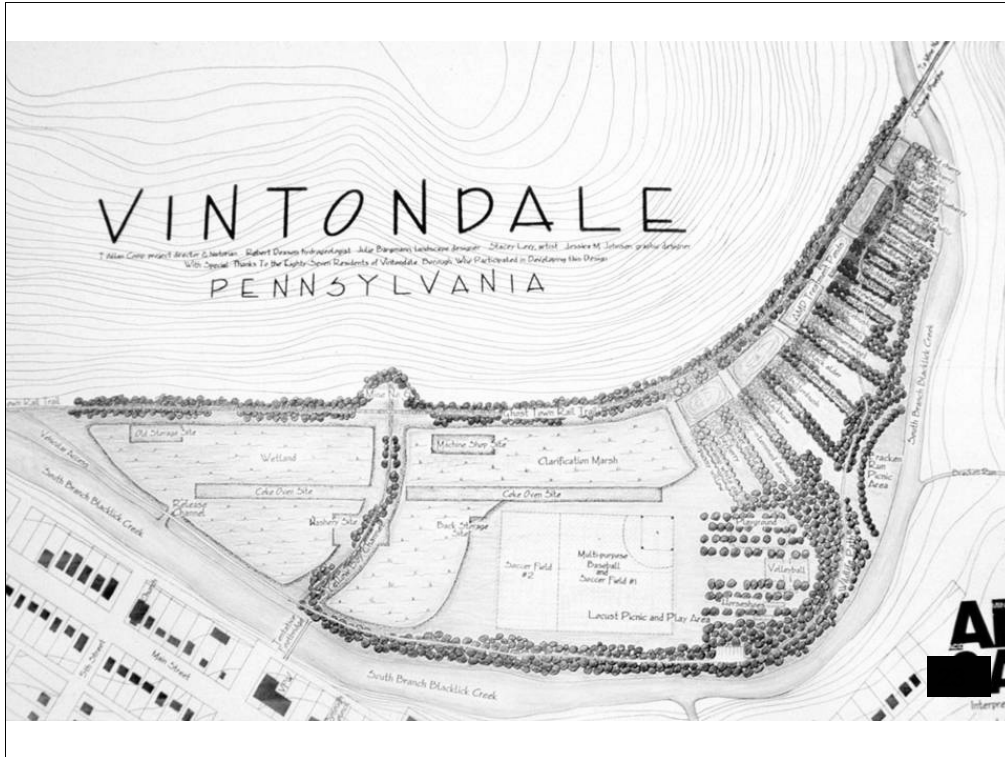


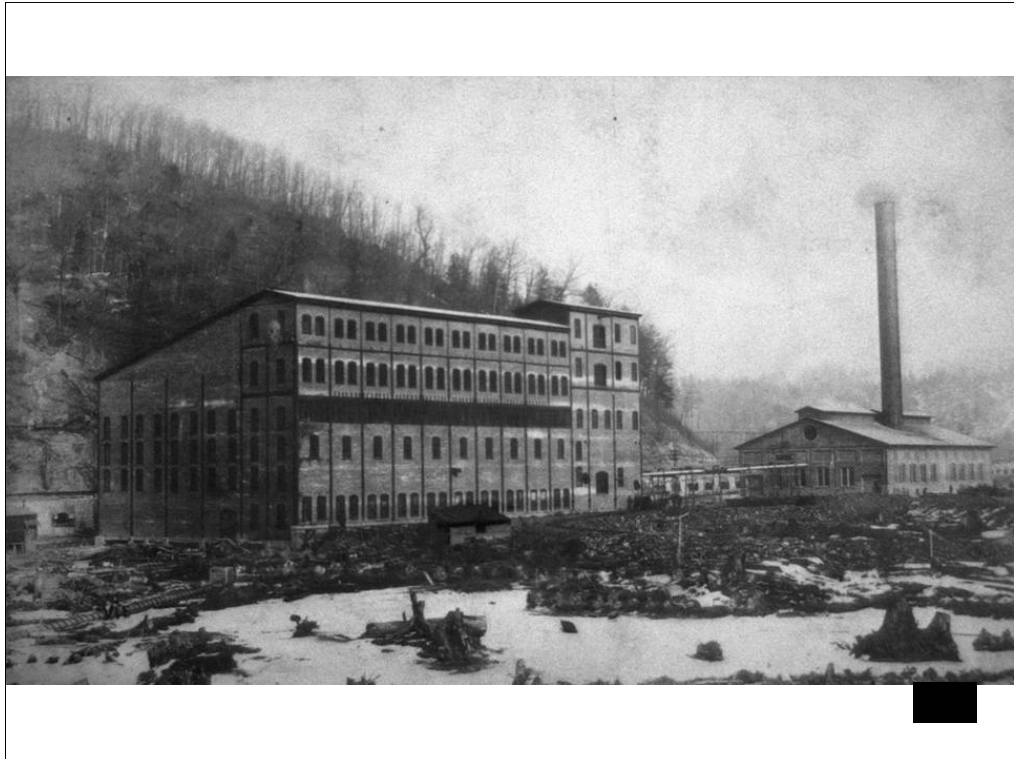


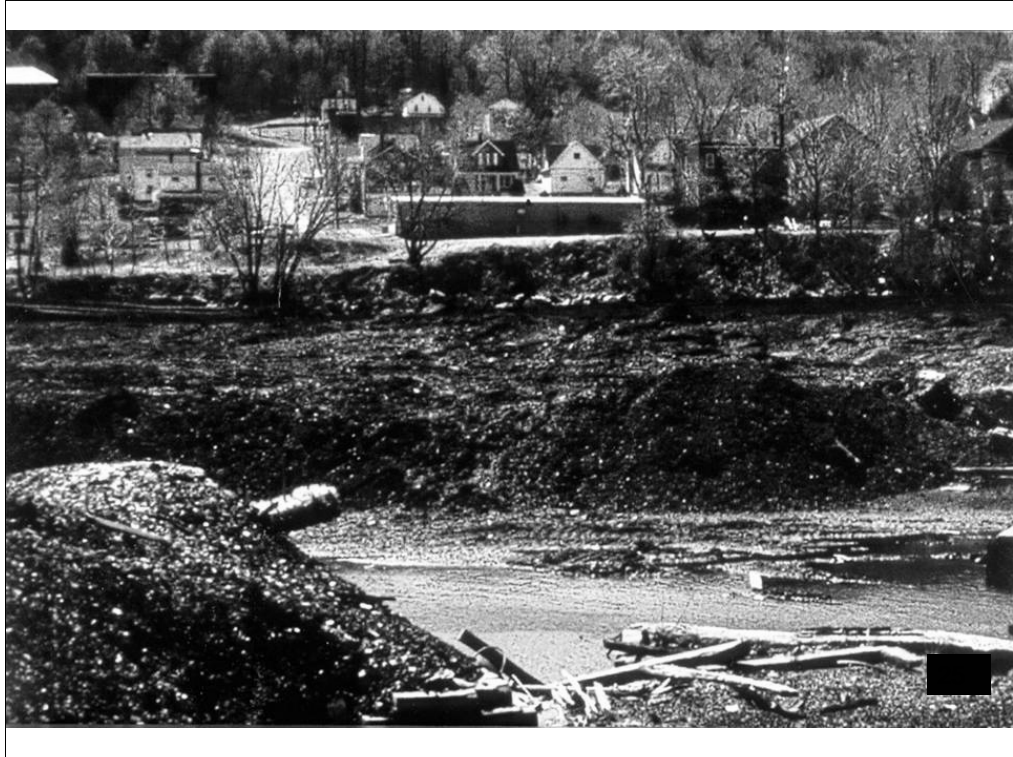




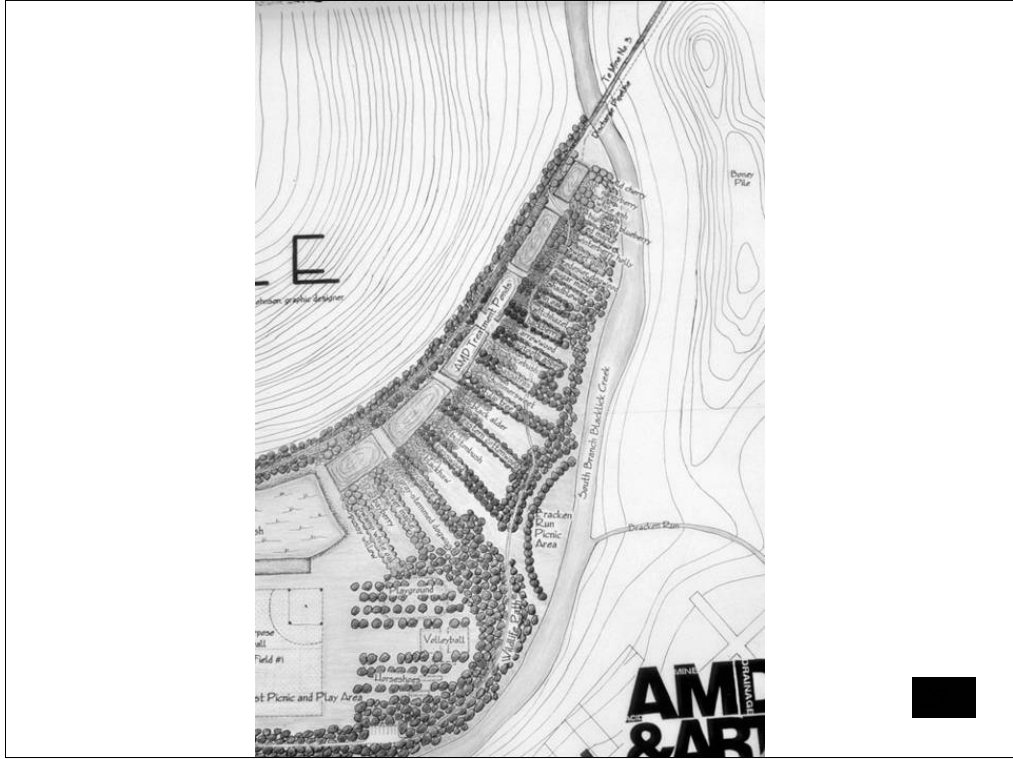








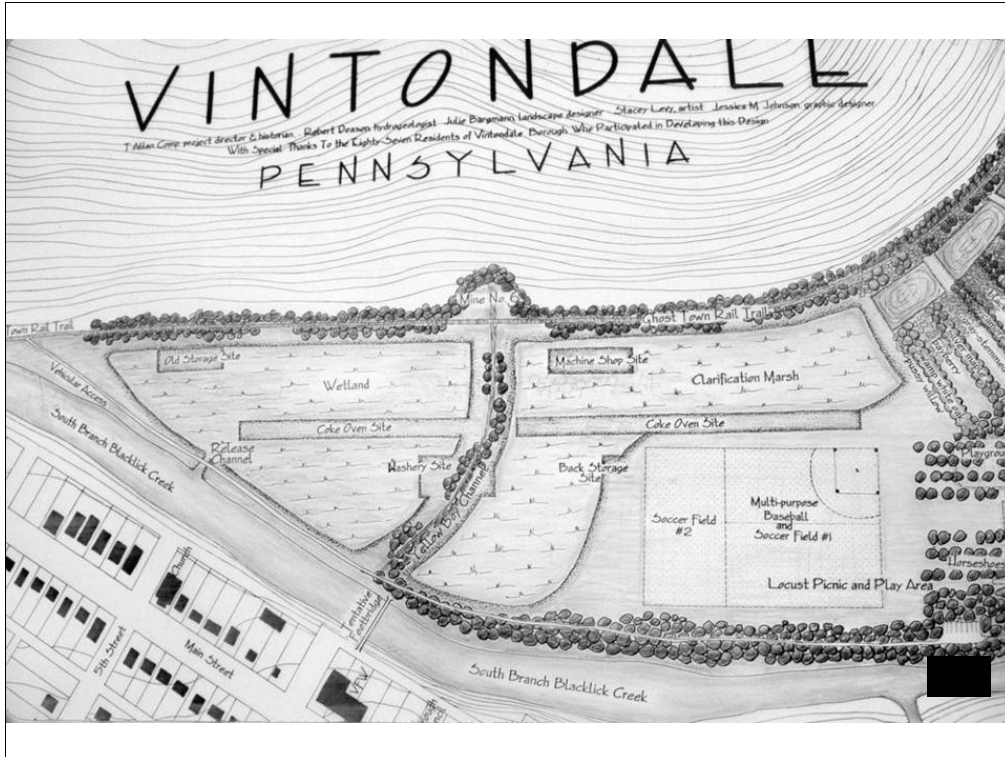












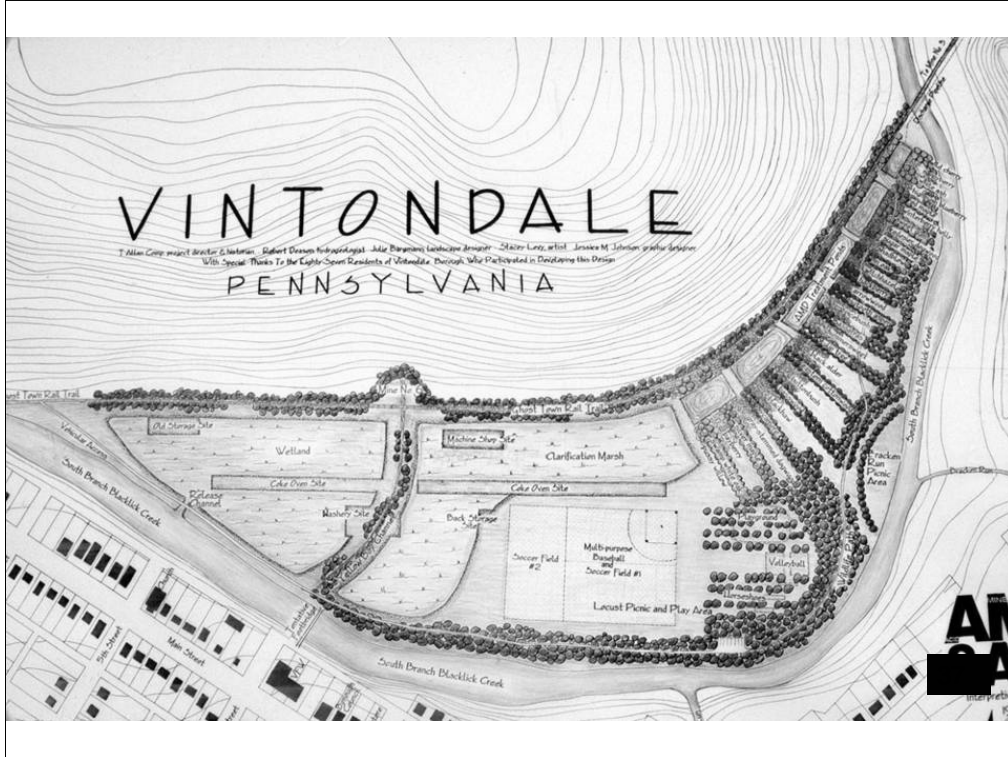








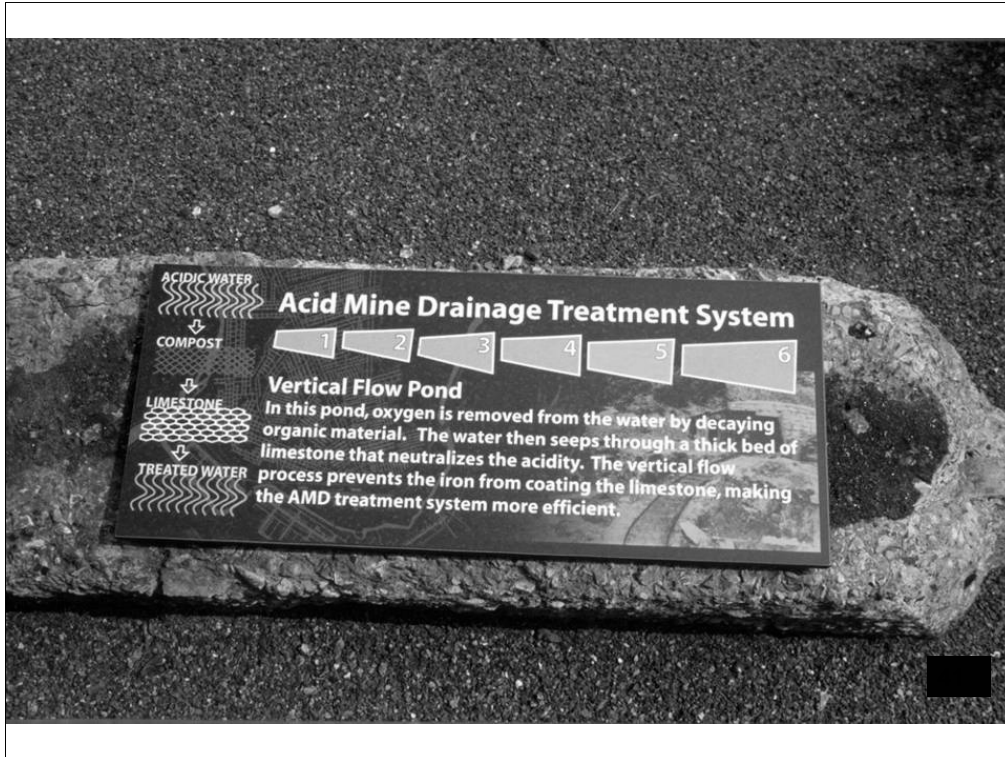












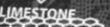
ACIDIC WATER



COMPOST



LIMESTONE



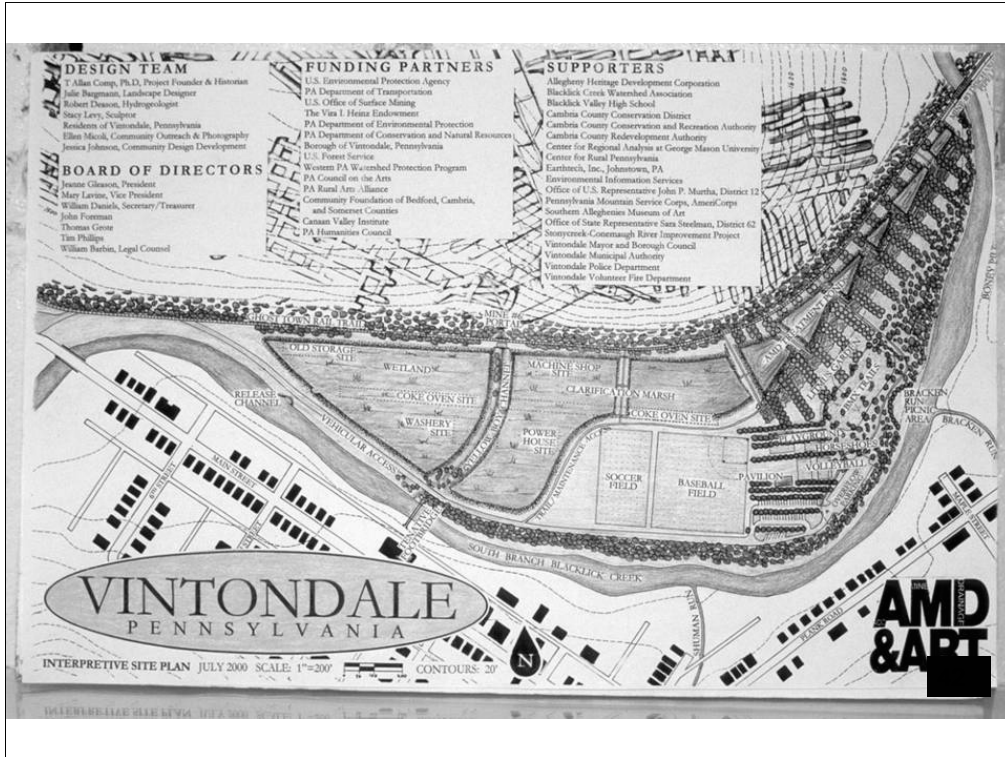
TREATED WATER

Acid Mine Drainage Treatment System



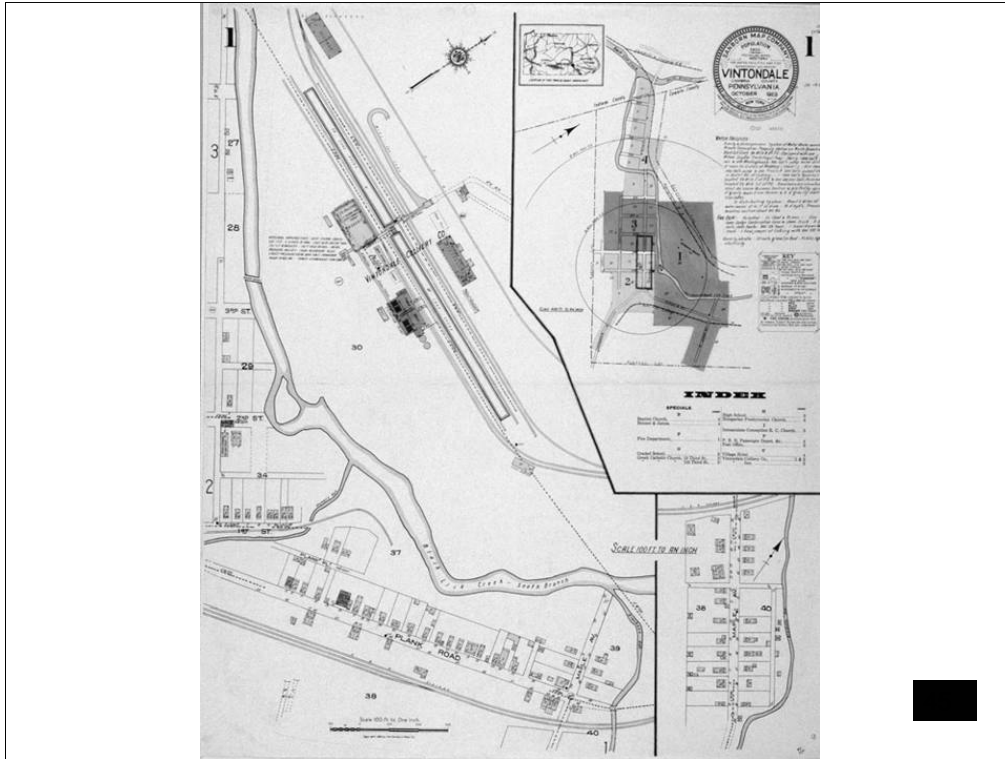
Vertical Flow Pond

In this pond, oxygen is removed from the water by decaying organic material. The water then seeps through a thick bed of limestone that neutralizes the acidity. The vertical flow process prevents the iron from coating the limestone, making the AMD treatment system more efficient.







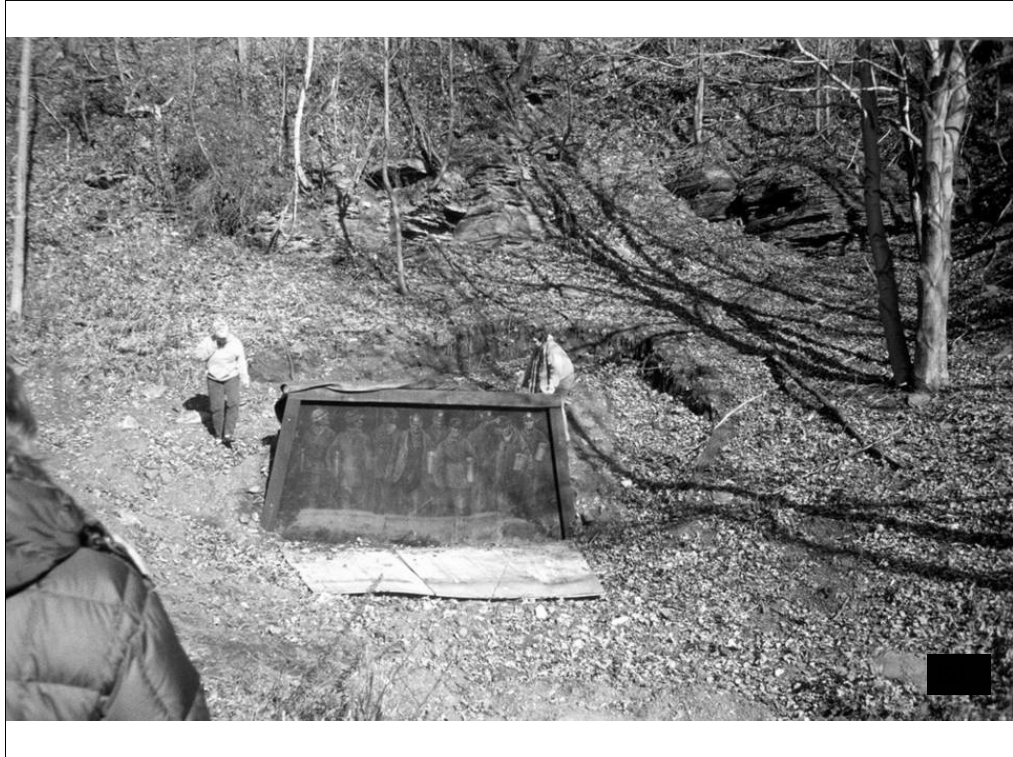














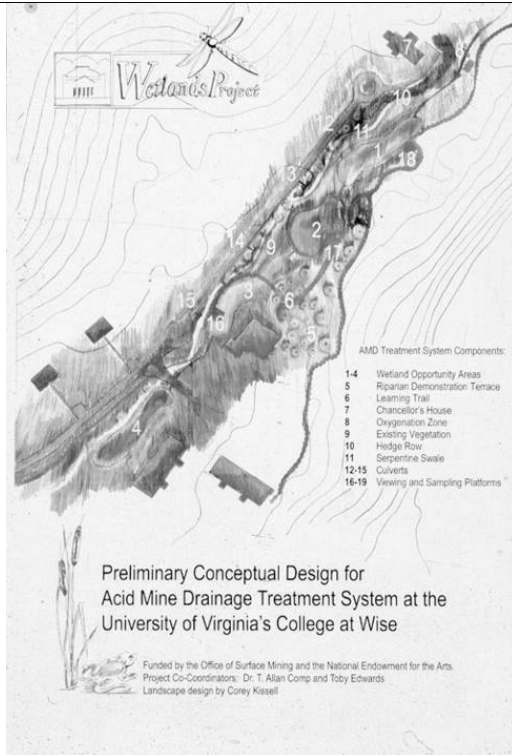












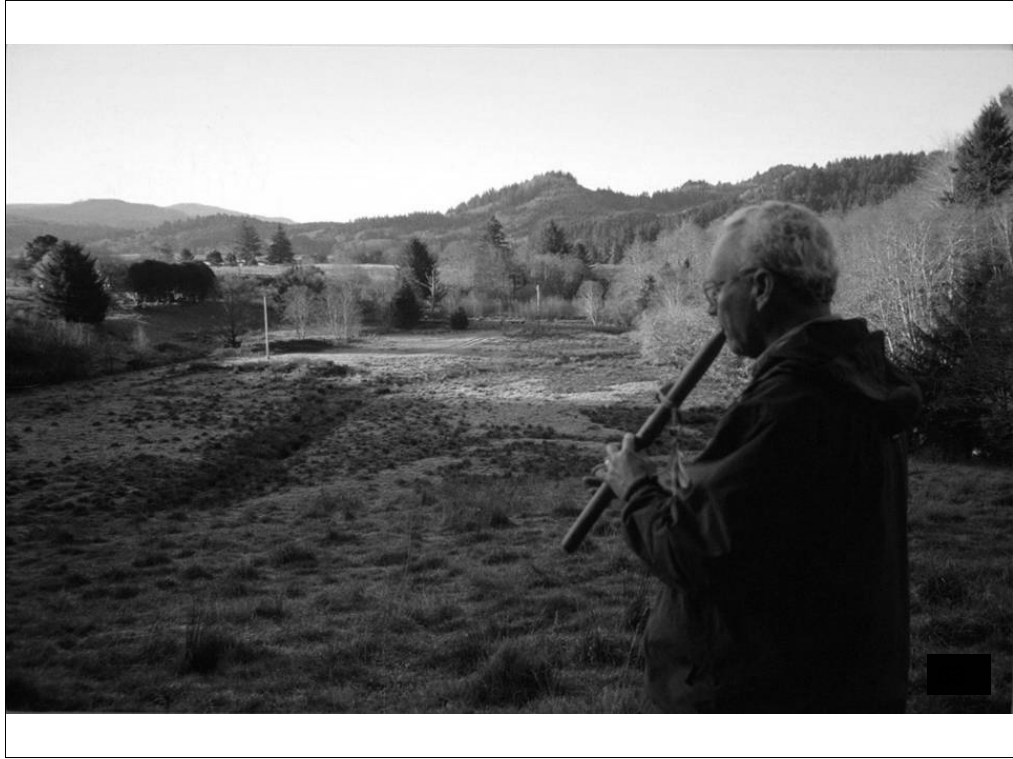












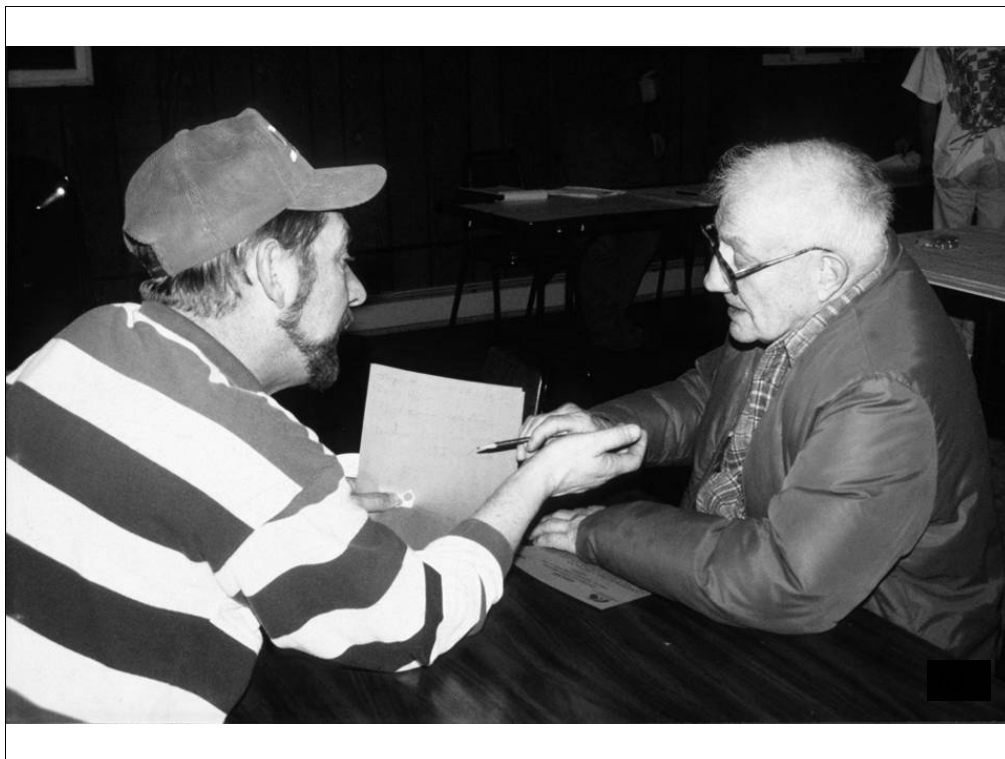








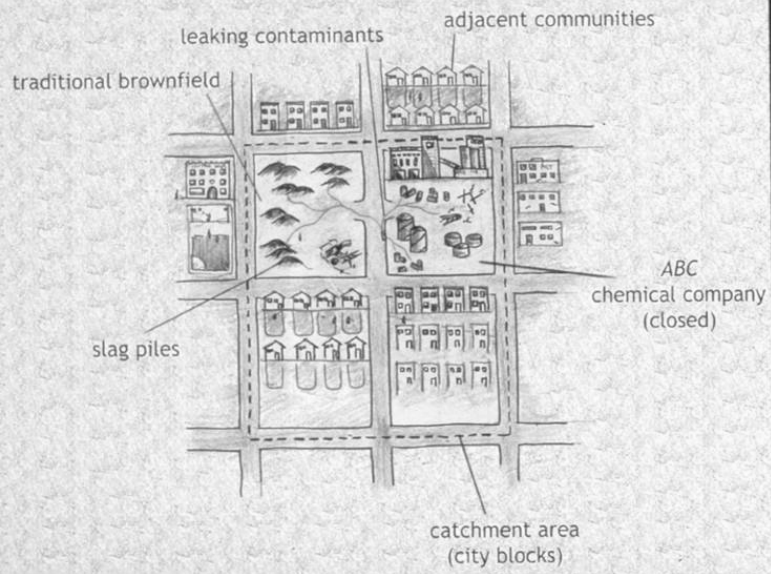




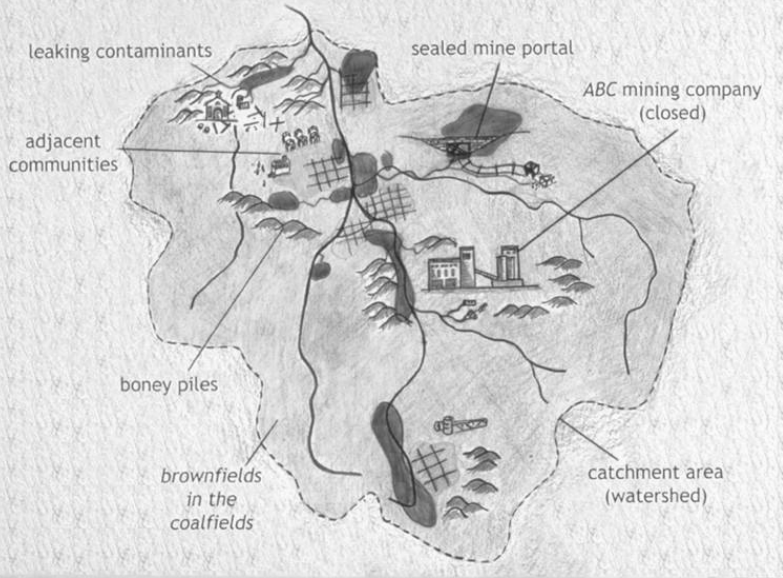


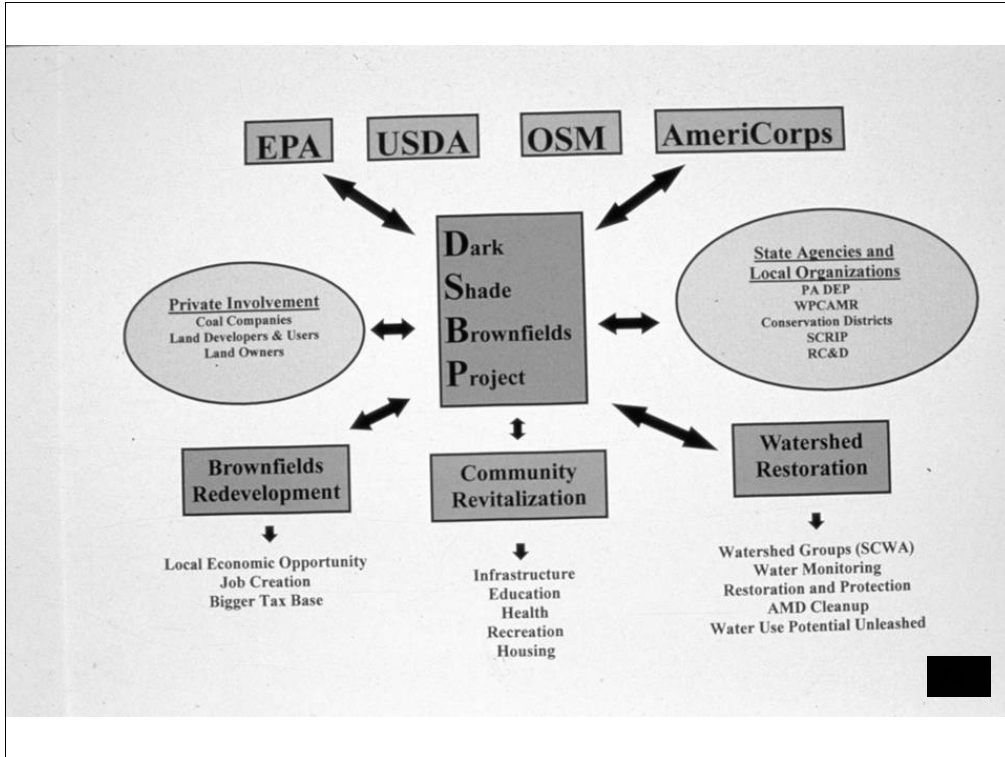


TRADITIONAL BROWNFIELD



COAL IMPACTED WATERSHED











#6 Washery damaged by tornado, 1920.
Courtesy of Robert Cresswell.



#6 Powerhouse damaged by tornado, 1919 or
1920.
Courtesy of Huth Family Collection.



#6 Powerhouse. Right to left: Bailey Stephens, David Stutzman, Wilbur Stutzman, _____ Kempfer.
Courtesy of Dorothy (Stutzman) Stephens.









OSM/VISTAs on the Appalachian Coal Country Watershed Team * Spring 2007

An initiative of OSM and VISTA

Jenny Becksted
ACCWT VISTA Volunteer



Eastern Coal Regional Roundtable

www.easterncoal.org

AMD&ART

www.amdandart.info

Appalachian Coal Country Watershed Team

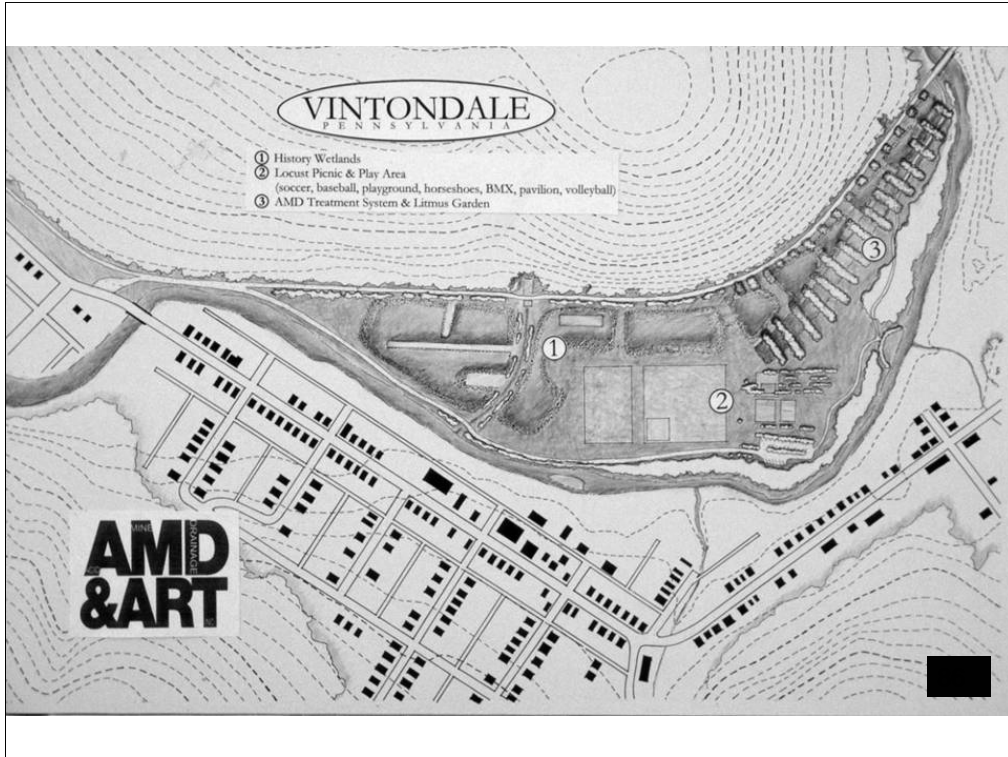
www.accwt.org















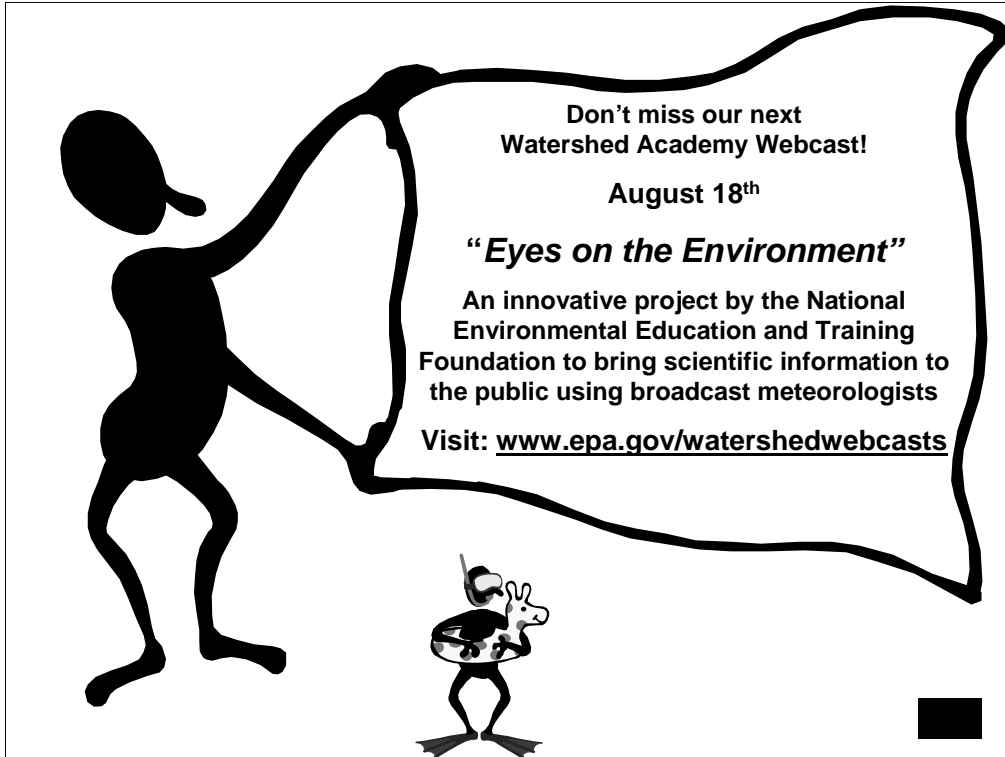
QUESTIONS?



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