

THE CATALYST

SLIPPERY ROCK WATERSHED COALITION MONTHLY ACTIVITIES UPDATE

NEXT MEETING: 7 pm on 1/9/20 at Jennings Environmental Education Center, pizza and pop provided. November and December meetings cancelled. Instead join us at the December 5th Student Symposium on the Environment at the Andrew McKelvey Center, Westminster College, 5:30-9:00 PM.

Student Symposium on the Environment - December 5, 2019

The Student Symposium on the Environment is almost here! The Slippery Rock Watershed Coalition is once again partnering with Westminster College, who will host the event whose purpose is to highlight environmental study, research, artistic expression, and service work being conducted by students in the region. Students from all disciplines and ranging from high school through graduate school are encouraged to participate. Research posters, art work, oral presentations, and even performances are welcome. This is a really nice, positive, friendly event with interesting research and presentations. The students always do a good job! New for this year will include the opportunity for students to submit resumes to be screened for internships and job opportunities in the environmental field. The Symposium will take place on **December 5, 2019** in the McKelvey Campus Center at Westminster College from **5:30 PM to 9:00 PM**. A networking and poster session will begin at 5:30 in the Witherspoon Rooms with oral presentations to begin at 7:30 in the Mueller Theater. If you are free that night, please come out and support the students! All are welcome! For more information go to:

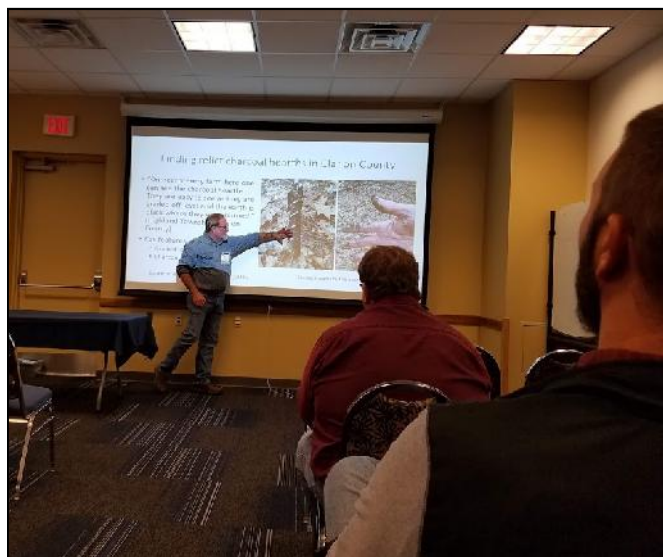
<https://www.westminster.edu/academics/majors-programs/environmental-science/symposium.cfm>

Interesting Presentations at the Northwest PA GIS Conference

The Northwest PA GIS Conference continues to be one of the best places to learn about the latest developments in GIS (Geographic Information Systems). This conference was held on October 17th and 18th at Clarion University. Many GIS applications used for data gathering, analyzing, and sharing were discussed amongst dozens of GIS professionals and academics in an exciting environment for networking and education. Several GIS applications explored at the conference included modern approaches to watershed hydrology, Pennsylvania 9-1-1, relic charcoal heaths of the Shipperville Furnace, monuments of historical Cairo, Egypt, and more. The keynote speaker was Jeff Jabrzikowski from the National Geodetic Survey, who spoke about the new National Spatial Reference System to be unveiled in 2022. This new reference system will replace North American Datum 83 and the North American Vertical Datum 88. The new datum will now be time as well as spatially sensitive.

Shaun Busler, a GIS Professional and SRWC participant, attended both the conference and the pre-conference workshop. The workshop was presented by James Whitacre, a GIS Research Scientist for Carnegie Museum of Natural History, and focused on using Python within ArcGIS Pro to automate, speed up, and become more precise in their data management and analytic work.

Thanks to all of the speakers, sponsors, and organizers of this wonderful event!





Will Taylor explains the Jennings Passive Treatment System during the OSM watershed tour.

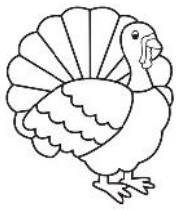
SRWC Hosts Office of Surface Mining on Watershed Tour

The Pittsburgh Field Office of the Office of Surface Mining, US Department of the Interior, recently held their annual meeting at Jennings Environmental Education Center to discuss the latest endeavors and future plans. As part of this meeting, the SRWC hosted OSM on a tour of passive treatment systems throughout the watershed. The tour included SR114, Ferris, SR81, and the newest treatment system, SR89. SR89 was recently constructed on State Game Lands 95 by Vogel Disposal Service as mitigation for streams impacted at their Seneca Landfill (see middle and bottom photos). The SRWC has not had a new passive system constructed in a number of years and are grateful another discharge is now being treated. Cliff Denholm of the SRWC explained that several of the treatment systems will be undergoing major rehabilitation thanks to a Growing Greener grant. These sites include SR114, which is one of the oldest treatment systems in the watershed, Ferris, and SR81. It is hard to believe that many of these treatment systems are over 20 years old!



Final wetland at SR89 Passive Treatment System.

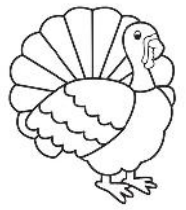




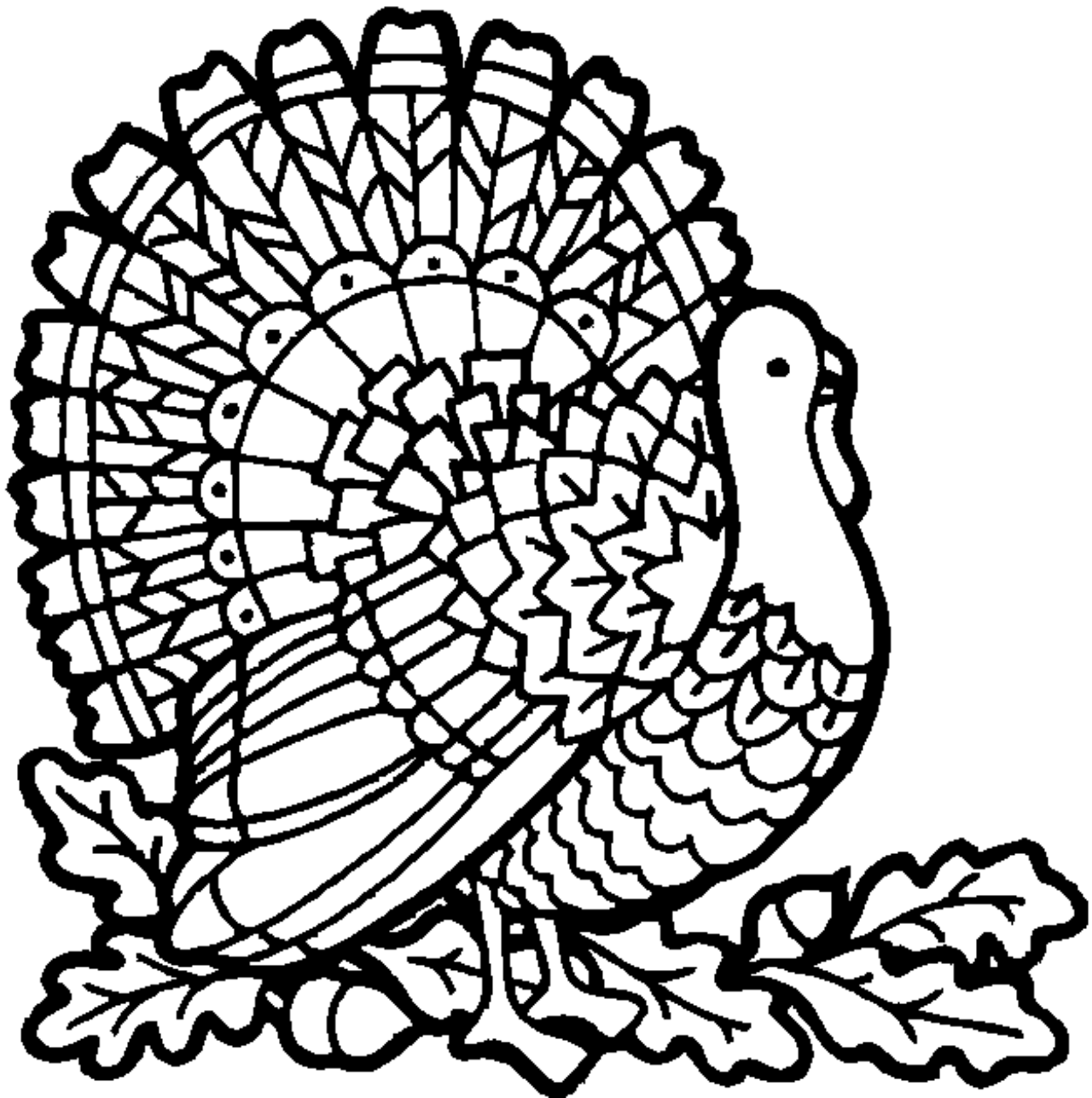
The KIDS Catalyst

SLIPPERY ROCK WATERSHED COALITION FUN ACTIVITY

Turkey Time!



Gobble, gobble, gobble! Here is your turkey trivia, in time for the holidays of Thanksgiving and Christmas! Did you know... only male turkeys (called toms) make the "gobble" sound? Females (hens) make a clicking sound. Mature turkeys have about 3,500 feathers. The heaviest turkey ever raised weighed 86 pounds! Benjamin Franklin thought the turkey was so American it should have been chosen as our national symbol rather than the eagle. We hope you have fun coloring the turkey below, and if you mail us your colored picture we'll send you a \$1 credit for Amazon (through a parent's email address). Happy holidays!



Name _____ Age _____

Parent email _____



Slippery Rock Watershed Coalition c/o Stream Restoration Incorporated
A PA Non-Profit Organization
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Thanks to The William & Frances Aloe Charitable Foundation, Environmentally Innovative Solutions, LLC, Dominion Peoples, Amerikohl Mining, Inc., Quality Aggregates Inc., Drs. Ron & Kathy Falk Family, BioMost, Inc., Allegheny Mineral Corporation and PA DEP for their support. For more information contact: Slippery Rock Watershed Coalition, c/o Stream Restoration Incorporated (PA non-profit), 434 Spring Street Ext., Mars, PA 16046 (724)776-0161, fax (724)776-0166, sri@streamrestorationinc.org, www.srwc.org. November distribution: 250 copies