

THE CATALYST

SLIPPERY ROCK WATERSHED COALITION MONTHLY ACTIVITIES UPDATE

NEXT MEETING: 7 pm on 11/10/16 at Jennings Environmental Education Center, pizza and pop provided.

10/13/16 meeting attendance: J. Bickel, D. Bogen, N. Cavlovic, C. Cooper, C. Denholm, M. Dunn, R. Greenwald, L. Homan, V. Kefeli, B. Kuban, M. Ordonez, J. Puskas, C. Robb, S. Roth, B. Sloat, J. Sloat, W. Taylor, T. Toca, and F. VanAtta, S. VanderWal, J. Vrabel, J. Wright

Westminster Students Present McIntire Findings

At the October 13, 2016 SRWC monthly meeting, Westminster College students from Dr. Helen Boylan's Advanced Chemistry class presented their findings about the McIntire Passive Treatment System. The students were excited about being able to use the brand new Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) which allows users to analyze many different metals at one time and at low detection limits. The students took turns presenting the data that they were responsible for generating and interpreting. The students did an excellent job as always and so was the treatment system! The McIntire system is successfully treating one of the worst discharges in the entire Slippery Rock Creek watershed, producing net-alkaline water with very low metal concentrations. The water is so good, that there are fish living in the final pond!

The SRWC would like to thank **Dr. Helen Boylan** and all of the students for their hard work and dedication! Students who participated in the project include:

Jen Bickel, Daniel Bogen, Nate Cavlovic, Lindsay Homan, Madison Ordonez, Christina Robb, Stefan Roth, Tristan Toca, and Jarret Vrabel.



Remember to "Like" Us on Facebook!

Did you know the **Slippery Rock Watershed Coalition** is on **Facebook**? We hope you'll check out our Facebook page and "like" us! And there's plenty to like, with updates on events and education-outreach activities, volunteer opportunities, plenty of photos, as well as links to current and past editions of the Catalyst newsletter. You can also visit our website www.srwc.org, and check out our **Clean Creek Products** website (www.cleancreek.org) where there is a huge selection of one-of-a-kind trinkets and treasures, pottery and jewelry, decorations and seasonal accents, and more - all created by local ceramic artists, who use the SRWC's very own passive treatment by-products to stain and color the pieces! Not only that, but proceeds go right back into keeping our watershed clean and healthy! Remember Clean Creek Products as you begin your holiday shopping!





Seven student volunteers from the St. Francis University ASMR Chapter helped BioMost, Inc. plant hundreds of bare-root wetland plants at the Morgan Run 8 Passive Treatment System in Clearfield County (see *H.O.P.E.* article on last page).

2016 Student Symposium on the Environment – Call for Presentations

Once again the SRWC has teamed up with Westminster College to host the Student Symposium on the Environment. Students from educational institutions are invited to submit abstracts for oral presentation, posters, or creative works that highlight their projects related to the environment or the natural world.

Accepted submissions will be presented/displayed on **Thursday, December 1, 2016** at the McKelvey Campus Center of Westminster College, New Wilmington, PA, during an evening symposium. Posters, table displays, and creative works will be displayed during the Networking and Poster Session from 5:30-7 p.m. Oral Presentations will begin at 7 p.m. Presenters will be afforded 10 minutes (followed by a 5 minute question & answer period) to highlight their work, with audio-visuals, to a group of students and professionals interested in environmental issues. Oral presentation slots are limited and will be chosen on competitive basis.

Abstracts can be submitted online through the Westminster College website:
<http://www.westminster.edu/environment>.

Please complete a submission form for each presentation.

DEADLINE: November 18, 2016
Notifications of acceptance will be made by November 23, 2016.

For more information, contact: **Helen Boylan at (724) 946-6293** or email: **boylanhm@westminster.edu**.





The KIDS Catalyst

SLIPPERY ROCK WATERSHED COALITION FUN ACTIVITY



Recycling Word Search

Recycling occurs when you save and take reusable materials to places where they can be remade into either the same product or new products, rather than to just toss them in the trash. Making new items from recycled ones also uses less energy and other resources than making products from brand new materials. What you can personally recycle varies from community to community, but if you want to make a difference by recycling you can always be the one to transport the recycled items to a special recycling center or marked bins in your town or nearby city. Recycling saves energy, money, landfill space, clean air and water, natural resources, and creates jobs! Recycling is something we can all do. Below is a list of 20 items which can be recycled. Your township might not recycle all of the things in our list, but with a little work and research you can always find a place to take these to be recycled! Try to find all 20 items hidden in the word search below, and circle them. If you mail us your completed paper, we will send you a \$1 credit for Amazon, which can be saved and accumulated so you can buy something extra special!

junk mail
wrapping paper
magazines
newspaper
brochures

phone books
tissue boxes
coupons
food cans
computer paper

plastic bottles
envelopes
glass bottles
cereal boxes
batteries

leaves
milk jugs
tires
cardboard
cell phones

B	A	N	E	W	S	P	A	P	E	R	W	V	H	O	N	J	O	A	S	Z	Q	U	B	C
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S	E	C	F	D	C	O	O	L	K	P	H	O	M	Q	Z	A	T	S	T	T	C	R	L	R
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Name _____ Age _____ Parent email _____



Slippery Rock Watershed Coalition c/o Stream Restoration Incorporated
A PA Non-Profit Organization
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H.O.P.E. (Highlighting Others Partnership Efforts)

When the annual American Society of Mining and Reclamation conference was held this past June in Spokane, Washington, a group of **Saint Francis University** students and faculty attended. The conference provided a plethora of opportunities for students and faculty to learn more about mining reclamation as well as network with professionals in the field. After returning from the conference and speaking with Dr. William Strosnider, Environmental Engineering senior **Hannah Patton** submitted a student chapter charter to ASMR in order to found a Saint Francis University ASMR Student Chapter. The objective of the student chapter is to provide undergraduate students in the environmental engineering field with the opportunity to better acquaint themselves with the mining and reclamation field of work including research, occupations, and treatment processes. Additionally, the objective of the group is to provide students with a means of discussing and applying their understanding of these ideas with peers, faculty, and professionals in real world settings. The student chapter meets monthly and participates in community service events at least once per semester.

The Saint Francis University ASMR Student Chapter recently participated in volunteer work in Clearfield, Pennsylvania with BioMost, Inc. The students teamed up with BioMost to plant a wetland at the Morgan Run 8 Passive Treatment System on a sunny Saturday on September 10th. A group of 7 members of the student chapter traveled to Clearfield, where they helped to plant hundreds of bare-root plants at the treatment site under the guidance of SRWC participants **Shaun Busler** and **Dan Guy**. This volunteer work proved to be both fun and educational, as students were provided a tour of the entire treatment operation as well as insight on what is necessary when designing passive treatment systems and creating wetlands. The student chapter was a great help to BioMost and both groups look forward to working together again in the future on similar projects!

