

THE CATALYST

SLIPPERY ROCK WATERSHED COALITION MONTHLY ACTIVITIES UPDATE

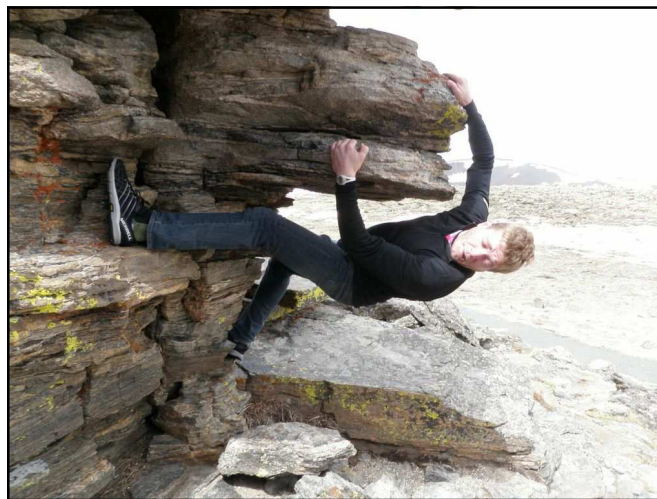
NEXT MEETING: 7 pm on 7/11/13 at Jennings Environmental Education Center, pizza and pop provided. 6/13/13 meeting attendance: S. Busler, C. Denholm, M. Dunn, V. Kefeli, B. Kuban, J. Puskas, W. Taylor, F. VanAtta

Registration is open for the 9/19/13 Ohio River Watershed Celebration at www.orwc.org. Join us!!!

ASMR at the “Gem City”

Laramie, Wyoming was the beautiful backdrop for the 30th Annual Meeting of the American Society of Mining and Reclamation. Held June 1-7, the ASMR Conference was attended by about 300 hundred people from across the country. **Margaret Dunn, Tim Danehy, Buck Neely, Bryan Page, and Ryan Mahony** were all conference attendees. “Reclamation Across Industries” was the theme of ASMR this year, certainly an appropriate motif for a natural resource state that leads the country in the production of coal, bentonite, uranium, and trona (trisodium hydrogendicarbonate dihydrate), an evaporite mineral that is the primary source of sodium carbonate in the United States. Wyoming is also the nation’s second largest producer of natural gas. Laramie, nicknamed the “Gem City of the Plains” and located on the edge of the Rocky Mountains at an elevation of 7,200 feet, was a fun setting for conference-goers! Not many conferences can call “Ghost Towns of the Rocky Mountains” an official presentation!

Sessions and presentation categories included topics such as passive water treatment, oil/gas site reclamation/monitoring, reforestation, wildlife impacts, geomorphic reclamation case studies, stream and drainage characterization, organic impacts on soils and vegetation, water processes in natural and mined sites, revegetation technologies, geochemical processes, soil-plant relationships, assessment and permitting evaluations, innovations in reclamation/restoration, mine modeling and reclamation, and special reclamation challenges. Exhibitors offered even more interesting mining and reclamation stories, technologies, breakthroughs, and ideas. The conference was a great time for everyone to exchange ideas and learn something new. We look forward to next year’s 31st Annual ASMR Meeting, to be held June 14-19 in Oklahoma City!





Mike Sieczkowski, JRW Bioremediation, LLC, is not only a reclamation specialist, but also a supporter of the efforts of the SRWC and SRI to recover and use the metal-bearing material removed by passive treatment systems from abandoned mine drainage.

Here Mike has developed a "perfect environment" for our fish (created by **Paul O'Neil**) in his office in Kansas!!!!

Thanks Mike!!!

21st Annual PA GIS Conference

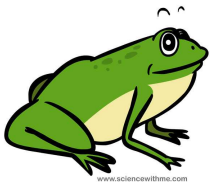
The 21st Annual PA GIS Conference was held June 3-5 at State College, and counted Stream Restoration Incorporated's **Shaun Busler** as one of the many attendees. The conference provided participants with ample opportunities to network with fellow GIS professionals and learn even more practical, unique, and new ways GIS is being used in today's world. The variety of GIS-related topics presented in break-out sessions included the Evolution of GIS for Water Resources; Storytelling with Maps; Marcellus Shale and Utica Shale GIS Environmental Analyses; Tackling Cleaner Water from a Technology Perspective; Data Collection and Asset Management Application for Smart Phones; U.S. Census Bureau's Geographic Support System Initiative; Model-My-Watershed: A Web-Based Application for Environmental Education; Data Collection - Start to Finish; How the PA DCNR Uses AGOL to Streamline Business; and the Pennsylvania Underground Mine Mapping Project/Historical Oil and Gas Mapping Project. This latter project, whose purpose and details were presented by **Matt Cavanaugh** and **Patrick Jaquay** from the **PA DEP**, was one of Shaun's favorites to learn about during the conference (and will be featured in an upcoming *Catalyst* issue).

Shaun enjoyed meeting new people and reconnecting with familiar faces during the times for networking with exhibitors. Special thanks to members of the **PA GIS Conference Planning Committee** for all their hard work in putting this great event together!!!

More New Publications for SRWC's Soil Scientist

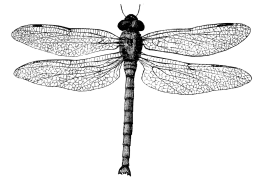
Dr. Valentin Kefeli has been heating-up the presses lately with more educational booklets for his students at **Robert Morris University**. SRWC's soil scientist has enjoyed his time teaching Weather and Climate and Environmental Health courses over the past couple of years.

Dr. Kefeli's recent publications for his students include: *Biology of Nutrition, Art and Science: Plants-Fabricated Soil and Glazing Ceramic*, *Green World in Biosphere and in Space*, *Biosphere*, and *The World of 1990s*. Dr. Kefeli offers a unique perspective to his students, in that he teaches with the background and experiences of having lived much of his life in the former Soviet Union. No doubt the students have learned much from him and appreciate his expertise in many aspects of science as we here at the SRWC do!



The KIDS Catalyst

SLIPPERY ROCK WATERSHED COALITION FUN ACTIVITY



Stream Search

A stream is a fun habitat to explore in the summertime! Teeming with life, you never what awesome creatures you'll find in and around the water — which is a “cool” way to spend a hot day! Below is a list of 16 things you can find at a stream. The words are hidden in the word search diagonally, vertically, and horizontally, and may also be backwards. Find and circle each of the words, and if you mail us your finished paper we will send you a free gift certificate!

crayfish	caddisflies	salamanders	minnows
dragonflies	turtles	mussels	trout
mayflies	snakes	frogs	cattails
stoneflies	lizards	snails	skunk cabbage

L	U	T	S	R	E	D	N	A	M	A	L	A	S	R	O
S	K	U	N	K	C	A	B	B	A	G	E	L	V	I	B
B	M	I	Q	T	X	C	A	F	R	E	V	S	T	V	U
I	Q	A	C	H	U	M	F	E	F	H	O	O	M	B	S
C	S	T	B	A	R	R	S	S	M	U	Y	U	R	E	E
A	T	D	R	A	O	D	T	T	U	R	S	C	K	A	I
D	T	M	E	G	A	R	U	L	E	S	F	A	G	H	L
D	J	K	S	N	O	M	W	X	E	Z	N	V	I	S	F
I	T	E	D	U	W	U	G	L	H	S	S	X	C	L	E
S	C	H	T	Y	C	S	S	N	B	E	F	R	H	I	N
F	D	S	H	A	R	B	E	S	C	I	A	S	Z	A	O
L	Z	R	D	R	A	G	O	N	F	L	I	E	S	T	T
I	M	A	A	F	Y	S	S	A	L	F	K	C	N	T	S
E	Y	B	G	Z	F	Q	U	S	D	Y	D	C	A	A	M
S	X	E	R	Z	I	D	B	J	U	A	O	O	I	C	O
E	T	P	H	O	S	L	N	E	H	M	S	S	L	W	E
P	O	J	K	A	H	A	M	I	N	N	O	W	S	T	J

Name _____ Age ____ Address _____



Slippery Rock Watershed Coalition c/o Stream Restoration Incorporated
A PA Non-Profit Organization
434 Spring Street Ext.
Mars, PA 16046

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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. July distribution: 1151 copies

Celebrate the Bloom! at Jennings

July and August are prime times to experience one of our region's most unique natural resources – the blazing star prairie at Jennings Environmental Education Center. This summer, Jennings will host the first-annual event to honor the prairie – Celebrate the Bloom! on Saturday, July 20, 2013 from 9 am – 7 pm. A full day of activities, including prairie walks, workshops, and demonstrations, plus local food, vendors and entertainment, will celebrate the only managed and protected prairie in Pennsylvania – and help to ensure it thrives for generations to come. Most activities are free and require no pre-registration, including:

Prairie Tours (11 am, 2 pm, 5 pm)

Discover the plants, animals, history and geology of the prairie on this guided tour with Jennings staff.

Guided Walks

- 9 am Birds of the Prairie *See and hear the birds of the prairie, with the guidance of Dr. Gene Wilhelm of the Bartramian Audubon Society.*
- 10 am Butterflies of the Prairie: *Stroll through the Jennings prairie with Pete Woods, ecologist with the Pennsylvania Natural Heritage Program, to observe and identify butterflies.*
- 1 pm The Endangered Massasauga Rattlesnake *Learn all about this often-maligned reptile that calls the prairie home.*

Demonstrations

- 11:30 am and 1:30 pm – Natural Dyes
- 12:30 pm and 4:30 pm – Live Honey Extraction

Entertainment

5:30 and 6:30 pm – the NewLanders! *This NewLanders' performance will include **engaging narrations and real-life accounts** from the mills, mines, rivers, and fields of their home region, western Pennsylvania, as well as haunting songs and poignant stories that celebrate the enduring spirit that built our nation. In addition, their second set will include songs from the 1960's including the Beatles, Kinks, Beach Boys, Marvin Gaye and others.*

6 pm Burning of the Brush – *Symbolizing the fires that both burn and renew the prairie each spring, the Burning of the Brush (along with the NewLanders) will bring our festival to a close, but spark the interest and imagination of all to continue visit, enjoy, and protect the prairie. Add a branch to the fire, roast a marshmallow, and share a story and a laugh.*

Celebrate the Bloom! is a collaborative effort between Jennings Environmental Education Center and 3MJC – the Moraine, McConnells Mill and Jennings Commission. More information can be found at www.facebook.com/celebratethebloom, or by calling Jennings at 724-794-6011.