

THE CATALYST

SLIPPERY ROCK WATERSHED COALITION MONTHLY ACTIVITIES UPDATE

THIS MONTH'S MEETING: Thursday 2/14/08 at 7 pm at Jennings Environmental Education Center, pizza and pop provided. 1/10/08 meeting attendance: C. Cooper, C. Denholm, M. Dunn, V. Kefeli, W. Taylor

2007 Year in Review

Joining Efforts with Others to Make a Cleaner, Greener Tomorrow!

Education/Outreach Activities

- SRWC at Pittsburgh Expomart Indoor/Outdoor Home Show with Jane Nugent — 1/27-1/28
- Tour of Slippery Rock Creek Watershed passive treatment systems and reclamation projects for state DEP — 2/26
- 4th Annual Environmental Science Advisory Board Dinner and Meeting, Robert Morris University — 4/18
- SRWC Volunteer Work Day, SR114 and DeSale Phase II — 5/5
- American Water Works Association (NW Region) Presentation & Tour, Slippery Rock, PA— 5/18
- Camp Lutherlyn passive treatment system maintenance — June
- SMRCA Title IV Abandoned Mine Lands Public Roundtable Meetings, Jennings Environmental Education Center — 6/5
- Harrisville Community Days, Harrisville Park — 7/4
- Institute for Learning in Retirement Workshop, Slippery Rock University — 9/17
- 6th Annual Ohio River Watershed Celebration — 9/20
- Technology Forum of the Spectroscopy Society of Pittsburgh November Meeting — 11/14
- GIS Day, Harrisburg, PA — 11/15
- Creation of SRWC Operation and Maintenance Manual
- Dr. Valentin Kefeli guest lectures at Humbolt University in Berlin, Germany
- 3rd printing of 2000 copies of "Accepting the Challenge"
- "Adopt-a-Highway" Program, clean-up effort for Interstate 79 mile markers 100-101

Recognition

- Butler County Conservation District 2007 Education Award, to Margaret Dunn, SRWC, SRI; Butler Farm-City Banquet, — 11/14

Conferences

- WV Mine Drainage Task Force Symposium, Morgantown, WV—4/10-4/11
- West Branch Susquehanna Restoration Symposium, Williamsport, PA—4/27-4/28
- 15th Annual PA GIS Conference, Camp Hill, PA — 5/16-5/17
- American Water Works Association, Northwest District, Spring Meeting, Slippery Rock University — 5/18
- 24th American Society of Mining and Reclamation National Meeting, Gillette, Wyoming — 6/2-6/6
- Northwest Regional Watershed Conference, Clarion University — 6/23
- PA Statewide Conference on Abandoned Mine Reclamation, State College — 7/20-7/21
- Conservation District Watershed Specialist Training/Meeting, State College — 10/16-10/18

Restoration Projects

- Slippery Rock Creek Watershed Assessment
- DeSale Phase II Operation & Maintenance
- Slippery Rock Creek Watershed Operation and Maintenance Plan
- Rivers Conservation Plan for Slippery Rock Creek Watershed initiated
- JEEC Vertical Flow System Maintenance

To learn more about the SRWC, why not join us at one of our monthly meetings? We meet every second Thursday of the month at 7 PM at Jennings Environmental Education Center in Slippery Rock, PA. Everyone is welcome to attend, and we'll even feed you free pizza and pop!

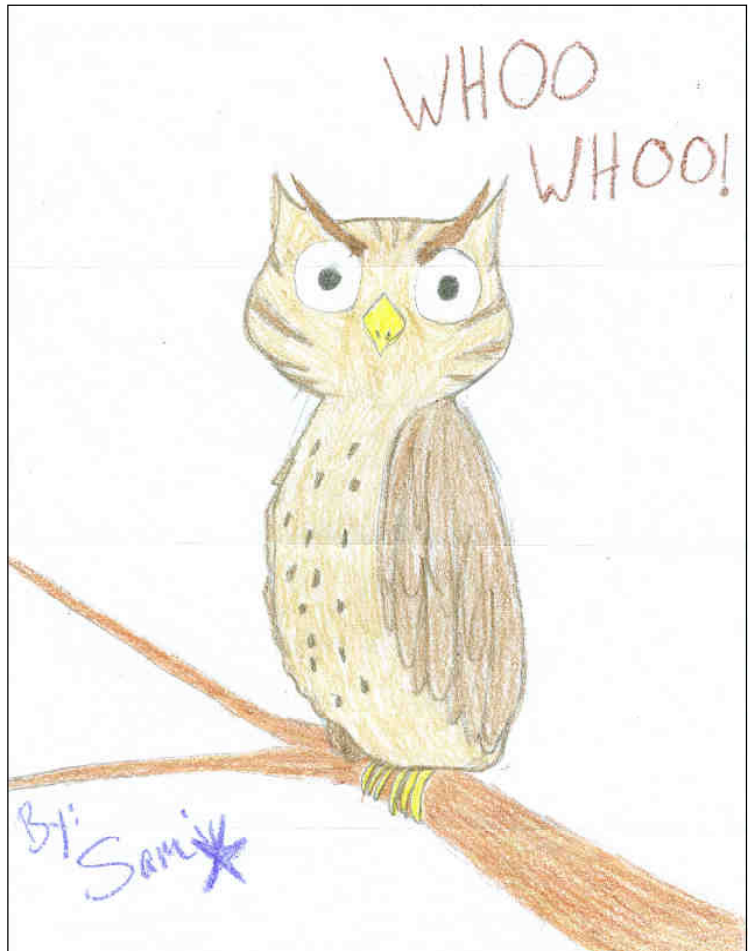
Slippery Rock University students in the MS3 program will be presenting their research findings at the February 14th SRWC meeting! Hope to see you there!



Jane Nugent, host of “**Garden Talk**” **WPTT 1360 AM** graciously shared her booth at the Indoor/Outdoor Home Show (Monroeville Expo-Mart) to highlight volunteer efforts by the orchid society, cactus society, and the SRWC. More next month...

Young Catalyst Readers Show Off Their Talent

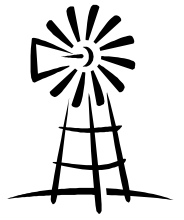
Check out the impressive artwork shown below, sent in to us by 2 of our younger Catalyst readers! Pictured at left is a cardinal resting on a tree branch, artwork created by **Madi Beining**; displayed at the right is an owl perching on a branch, a great picture made by **Sami Beining**. Thank you for sharing your talent with us! If there are other kids out there who enjoy drawing, we love to get your pictures and we encourage you to mail us your awesome creations! Who knows, maybe some day you'll see your picture here in the Catalyst, which is read by over 1,200 people in over a dozen different countries!!!





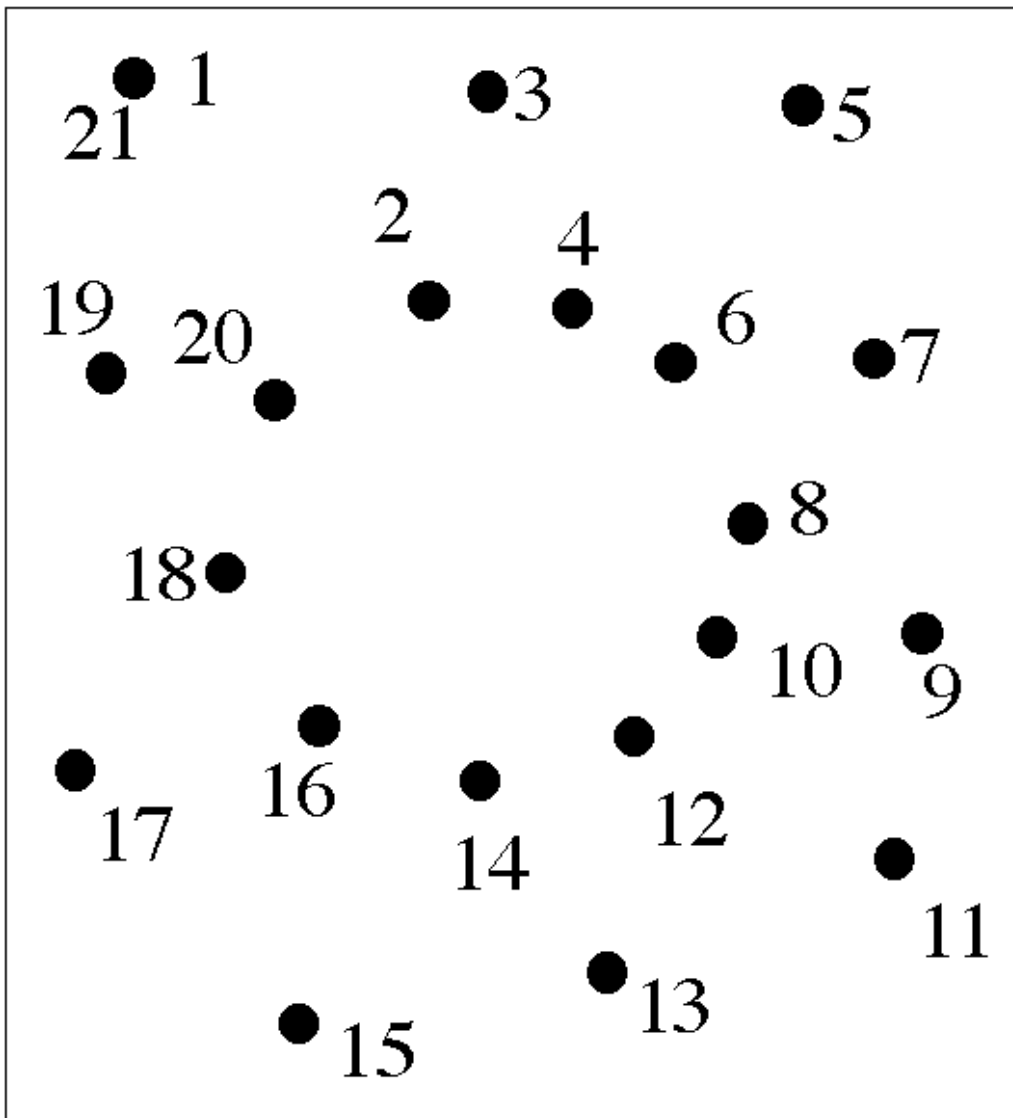
The KIDS Catalyst

SLIPPERY ROCK WATERSHED COALITION FUN ACTIVITY



Connect the Dots: All About Energy

We use energy to do work. Energy lights our cities, powers our vehicles, trains, planes, and rockets. Energy warms our houses, cooks our food, plays our music, gives us pictures on television. Energy powers machinery in factories and tractors on a farm. Energy is defined as "the ability to do work." When we eat, our bodies transform the energy stored in the food into energy to do work. When we run or walk, we "burn" food energy in our bodies. When we think or read or write, we are also doing work. Cars, planes, light bulbs, boats and machinery also transform energy into work. Work means moving something, lifting something, warming something, lighting something. All these are a few of the various types of work. There are many sources of energy, including: biomass energy (from plants), geothermal energy (earth's natural heat from deep below the ground), fossil fuels (coal, oil and natural gas), hydro-power (water), nuclear energy, solar, and wind. You can help conserve (save) energy by turning off lights when nobody is in the room and by not leaving things turned on when nobody is using them (tv, computer, stereo, etc.). To discover the earth's #1 source of energy, do the dot-to-dot number game below. You can color the picture, and if you send us your completed paper we will mail you a free gift certificate!



Name _____ Age _____

Address _____



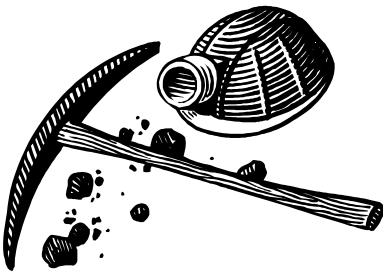
Slippery Rock Watershed Coalition c/o Stream Restoration Incorporated
A PA Non-Profit Organization
3016 Unionville Road
Cranberry Twp., PA 16066

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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), 3016 Unionville Road, Cranberry Twp., PA 16066, (724)776-0161, fax (724)776-0166, sri@streamrestorationinc.org, www.srwc.org. Feb. distribution: 1243

Jennings to Offer Unique Pennsylvania Coal Course for Area Teachers

Calling all middle and high school teachers! Jennings Environmental Education Center (2951 Prospect Road, Slippery Rock, PA) is offering a course on the past, present, and future of coal in Pennsylvania. Staff at JEEC will teach environment and ecology standards through the introduction of the topics of the history of coal mining and the issues, causes, and effects of abandoned mine drainage. Technologies currently used to treat AMD at the local, state, and national level will be included in the discussion. Teachers participating in this course will be given the knowledge to bring this topic into the classroom through handouts, activities, discussion, and field trips (which include the Tour Ed mine, an active limestone quarry, and reclamation sites).



The course is being held on 3 Saturdays, all 3 of which must be attended and completed to receive credit: **March 29, April 12, and May 17**. SRI and Bio-Most, Inc. are excited to be helping teach the session held on May 17!!! Each session runs from **8:00 AM until 4:00 PM**. A variety of books, materials, and a **stipend of \$80** will be provided, and 1 CPE credit (30 Act 48 hours) will be awarded upon successful completion of all course activities, including in-class participation and out-of-class assignments. There is a **\$130 registration fee** (and \$80 stipend) which covers MIU4 administration costs, credit, and refreshments. Materials, admission fees, and stipends are provided by the **Department of Environmental Protection Environmental Education** grants program.

There will be outdoor activities, and participants must dress appropriately (no sandals). Break items will be provided but teachers will need to pack their own sack lunch (lunch is not provided) because there is nowhere close by to quickly buy a lunch. **Enrollment is limited to 25, so register now!!!** Contact the staff at JEEC at **(724) 794-6011** or email **Wil Taylor** at **wilbutaylo@state.pa.us**. If you are an educator, you won't want to miss this valuable workshop! There are over 280,000 acres of abandoned mine lands in PA, along with 3500 miles of stream impacted by AMD. Come learn about this important issue crucial to the health of our environment, and find out what you and your students can do to help fix the problem!