



2013 West Virginia Mine Drainage Task Force Symposium

Thomas Shope

**Regional Director
Appalachian Region**

Telephone: (412) 937-2828
E-mail: tshope@osmre.gov

**OMB REPORT TO THE CONGRESS
ON THE JOINT COMMITTEE SEQUESTRATION
FOR FISCAL YEAR 2013**



March 1, 2013

Sequestrable Budgetary Resources and Reductions in Sequestrable Resources by OMB Account -- FY 2013

(Amounts in millions)

Agency / Bureau / Account / Function / BEA Category / Budgetary Resource	Sequestrable BA Amount	Sequester Percentage	Sequester Amount
Office of Surface Mining Reclamation and Enforcement			
010-08-1801 Regulation and Technology			
Nondefense Discretionary Appropriation	124	5.0	6
Nondefense Discretionary Spending authority	3	5.0	*
<i>Account Total</i>	127		6
010-08-1803 Payments to States in Lieu of Coal Fee Receipts			
Nondefense Mandatory Appropriation	128	5.1	7
010-08-5015 Abandoned Mine Reclamation Fund			
Nondefense Discretionary Appropriation	28	5.0	1
Nondefense Mandatory Appropriation	221	5.1	11
<i>Account Total</i>	249		13

* denotes \$500,000 or less.

Sequestration Impacts

- Travel & Training
- Interns
- Applied Science Projects
- Annual Reclamation Awards
- Cooperative Agreements - ADTI Funding
- NTTP Training
- TIPS Training
- TIPS Software

- Vacancies= Frozen (20 in pipeline in AR)

AML GRANTS

- \$305 Million in AML Grants

REGULATORY GRANTS

- ?

RULE MAKING

- Stream Protection Rule
- Coal Combustion Residue
- Temporary Cessation
- Cost Recovery Rule for Federal Programs

WCAP PROJECTS

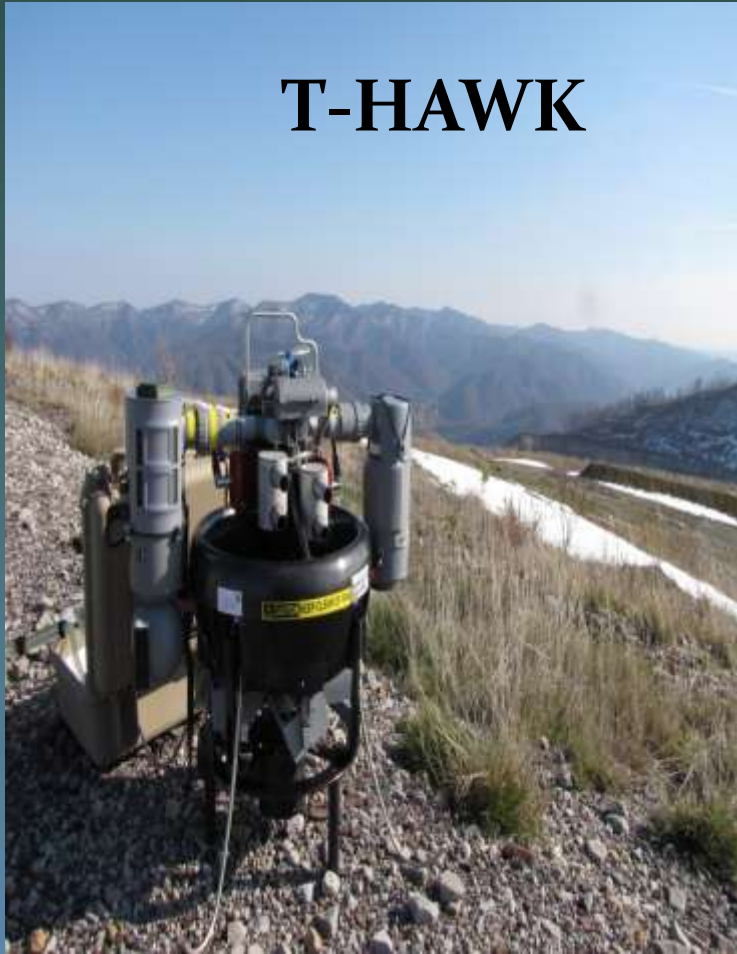


AMDTreat

- AMDTreat - software developed and used by OSM, States, Industry and Environmental Community:
 - ✓ AMDTreat 5.0 - PHREEQ'n AMDTreat
 - ✓ Web Based Version
 - ✓ On-line Training Course

OSM EXPERIMENTING WITH DRONES FOR OVERSIGHT

T-HAWK



RAVEN



T-HAWK IN FLIGHT

Hover Type Aircraft

Laptop Controlled

360 Degree Camera with
Infrared

Ability to Determine Size
and Scale



APPALACHIAN

LANDSCAPE CONSERVATION COOPERATIVE

Mission Statement

The mission of the Appalachian LCC is to achieve sustainable landscape-level conservation through partnerships, shared resources, enhanced science-based management capacity, landscape level planning, and supporting conservation actions and research as part of a national network.



The Appalachian Interim Steering Committee Members



APPLIED SCIENCES

10 ongoing projects



No RFP
in 2013



REFORESTATION - ARRI

- Encouraging FRA (Forestry Reclamation Approach)
- Since 2004, approximately 70 Million Trees have been planted across the Appalachian Region on 103,000 acres
- 2013 ARRI Conference August 6-7 at Flatwoods, WV. OSM attendance limited

Saving Soil, Seed, and Woody Material For Reclamation



Geomorphic Reclamation, or “Landforming.”

Constructing artificial landforms that are stable in the long-term and maintenance free, and look like they belong.

NATURAL LANDFORM IMMEDIATELY
ADJACENT TO OUTSLOPE ON RIGHT.

THIS WOULD HAVE MADE AN IDEAL
NATURAL ANALOGUE FOR THE DESIGN
OF THE MAN-MADE SLOPE

(b)



CONSTRUCTED OUTSLOPE AT VALLEY FILL

CONVENTIONAL "DAM" TYPE DESIGN, LINEAR
WITH UNIFORM SLOPE RATIOS, NO ATTEMPT
HERE TO MIMIC NATURE

(a)



Tailings-disposal fill configurations: (a) "outward"-facing slope of valley fill once constructed and graded and (b) adjacent natural slope, whose topographical form would have made an ideal natural analog for the "outward" slope.

(from Schor and Gray, ©2007 John Wiley and Sons, Inc., reprinted with permission of John Wiley and Sons, Inc.)

REGIONAL APPROACH

- Key Issues
- Limited Resources
- Improve Consistency
- State Partners

COAL SLURRY IMPOUNDMENT BASIN BREAKTHROUGH POTENTIAL



ADDITIONAL TESTING on SLURRY IMPOUNDMENTS



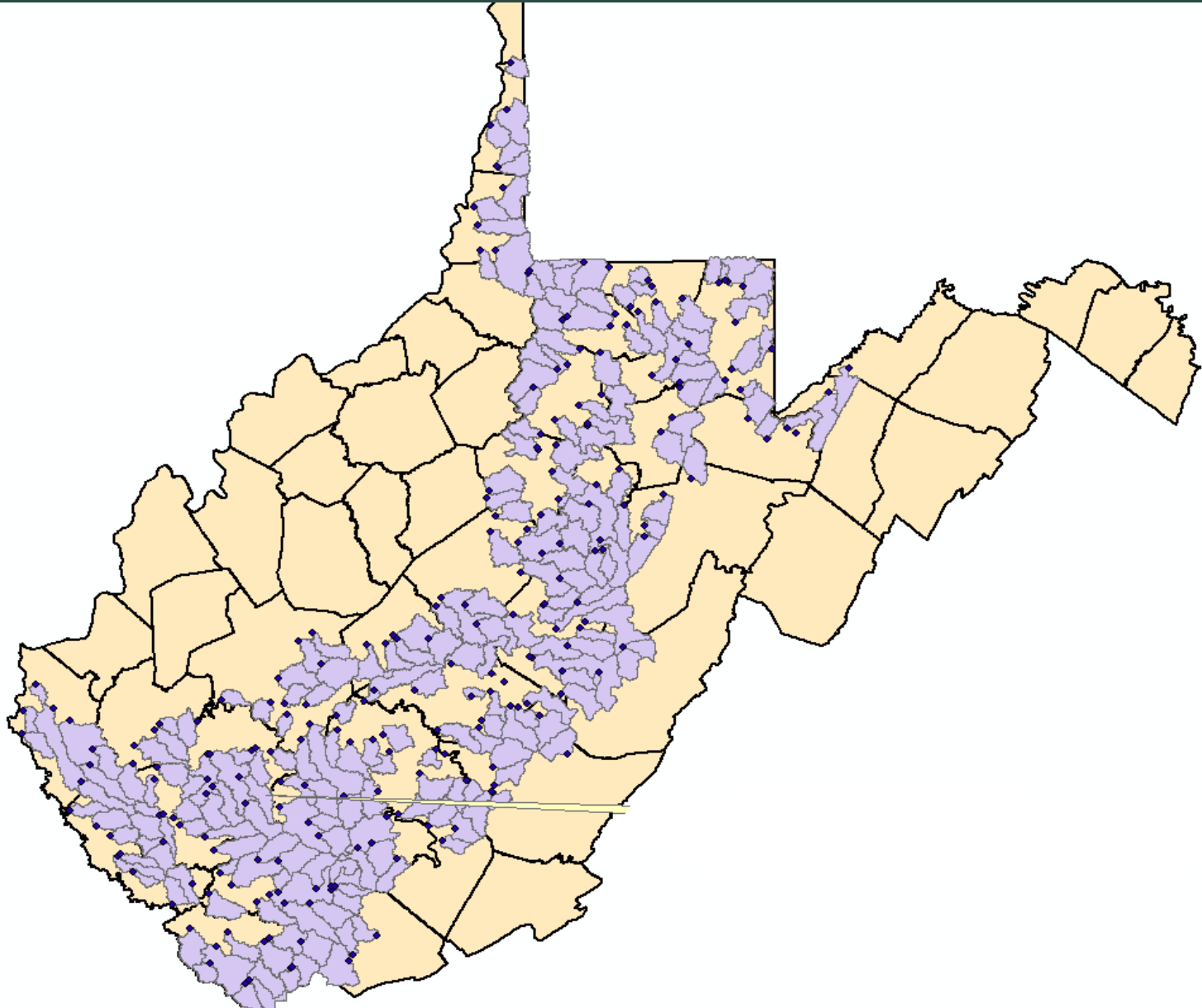
Bonding and Financial Assurance for Water Treatment

- WV increases the Special Reclamation Fund
- Permanent Solution Needed for Long Term Water Treatment Costs
- Administration Action – Other States

HYDROLOGY and CUMULATIVE IMPACTS



235 Trend Stations in WV



Regulatory and AML Performance Agreements

- Nationwide Agreements being revised this July
- Requesting Input through the end of this week and beyond
- <http://www.osmre.gov/topic/Oversight/SCM/SCM.shtm>



“Strike a balance between environmental protection and coal production”