Watershed Restoration
Partnering to improve the future
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Rural Action
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Industrial History

- Iron
- Timber
- Oil and Natural Gas
- Salt mining
- Clay – used to make bricks
- Furs
- **COAL MINING**
Coal Mining Impacts
Watershed Restoration

Improved Water Quality, Healthy Communities

Learn More at www.ruralaction.org
Rural Action Watersheds
Working Together

- ODNR Watershed Coordinator Grant
- ODNR, Division of Mineral Resources Management
- U. S. Forest Service – Wayne National Forest
- Grants – OSM / OEPA
- AmeriCorps Members – Ohio Stream Restore Corps
AmeriCorps Program

• Matching funds contributed by ODNR, Division of Mineral Resources Management

• 7 AmeriCorps members working with watershed groups

• Only Environmental Program in Ohio
AmeriCorps Successes
2012-2013

✓ 738 stream miles monitored
✓ 2,197 volunteers leveraged
✓ 6,098 volunteer hours served
✓ 5,520 people educated
✓ $128,200 non-cash resources leveraged
✓ $254,000 brought into the region
✓ 5 New Species of fish indentified
Working Together

• Over $23 million leveraged

• Reclamation / Prevention
  ✓ Over 110 Subsidence Closures
  ✓ 55 acres of Gob Pile reclamation

• 26 AMD Treatment Systems
  ✓ Limestone Doser
  ✓ Limestone Leach Beds
  ✓ Successive Alkaline Producing System
  ✓ Steel Slag
Gob Pile Reclamation

Before

After
Limestone Dosers

Jobs Doser Acid Load Reduction

Acid lbs/day

-400
-200
0
200
400
600

Pre-construction
Post-construction 2012

JH00500
Chemical Water Quality

www.watersheddata.com
Fish Sampling

Electrofishing
Macroinvertebrate Sampling

MAIS
Results

Every year over 730 tons of acid is prevented from entering the streams.
Biological Improvements

- 30 Native Species of Fish
- Significant improvements in aquatic macroinvertebrate communities

Monday Creek IBI Scores

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<th>River Mile</th>
<th>2005</th>
<th>2012</th>
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Scores:
- Exceptional (50-60)
- Very Good (49-42)
- Good (41-34)
- Fair (33-27)
- Poor (26-17)
- Very Poor (<17)
Other Projects

- Connecting people to watersheds and science based restoration
- Educating for the future
- Community Development
Going Forward

• Expanding efforts to address problems within larger watersheds

• Fee for Service activities

• Building a larger toolkit
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Member Based, Community Driven!
Join Today www.ruralaction.org