

# Upper Tennessee River Roundtable, Inc.

EPA Targeted Watershed Grant  
2003 through 2007



# Overview of Work Plan for \$800,000 Grant:

- Coordinate projects in Virginia
- Subcontract with Resource Conservation & Development Councils in North Carolina and Tennessee for additional projects



# Blue Ridge RC&D Project Goals in North Carolina

- Reconstruct wetland
- Stabilize stream banks
- Conduct water quality monitoring, education
- Export storm water model



# Blue Ridge NC Results

- Restored wetland
- Completed streambank restoration
- Exported successful urban stormwater model



# Valle Crucis Wetland Before



# Completed Wetland



# Dutch Creek Before



# Dutch Creek Stabilization



# Dutch Creek Finished



# Stormwater model



# Pipe system in underground vault



# Damage from hurricane



# Clinch Powell RC&D Project Goals in Tennessee:

- Renovate house into environmental center
- Develop training approaches for watershed coalitions
- Encourage mussel friendly bridge design at Kyle's Ford
- Establish model conservation easement program
- Hire watershed coordinator



# Clinch Powell TN Results

- Secured lease for Kyle's Ford house and started renovations
- Working with watershed coalitions
- Collaborated with VDOT on bridge design
- Seeking landowners for easements
- Hired watershed coordinator



# Kyle's Ford House Renovation



# Renovations Underway





# Appalachian RC&D Project Goals in Tennessee

- Provide support and training for six watershed groups
- Complete stormwater management project
- Conduct bacterial source tracking research
- Hire watershed coordinator
- Establish model conservation easement program



# Appalachian RC&D TN Results

- Planning organizational meeting with watershed groups to begin training.
- Completed stormwater management project.
- Working on bacterial source tracking through East Tennessee State University.
- Hired watershed coordinator.
- Working to obtain riparian conservation easements.



# Virginia Projects

- Haul sawdust to mined land for application
- Compost sawdust with chicken litter
- Install toxic spill structure
- Train emergency responders
- Install Best Management Practices on farms
- Conduct mussel decline investigation
- Purchase video camera and train watershed coalitions
- Export citizen monitoring training to Clinch, Powell watersheds
- Export Guest River Restoration Project successes
- Develop stormwater management demonstrations
- Sponsor Low Impact Development conference
- Export Target Projects



# Virginia Results

- **Deliverable:** Haul 10,000 cubic yards of sawdust
- **Results:** Hauled 14,220 cubic yards
- **Deliverable:** Train 10 emergency responders
- **Results:** Trained 83 emergency responders in four conferences



# “Ancient Pile” of Sawdust in Lee County, Virginia



# Sawdust Application to Mined Land



# Emergency Responders



# Emergency Responders



# Virginia Results

- **Deliverable:** Install 5 Best Management Practices on farms
- **Results:** Installed 2; will install 1 more
- **Deliverable:** Install 1 stormwater demonstration site
- **Results:** Installed 2; will install 1 more

