

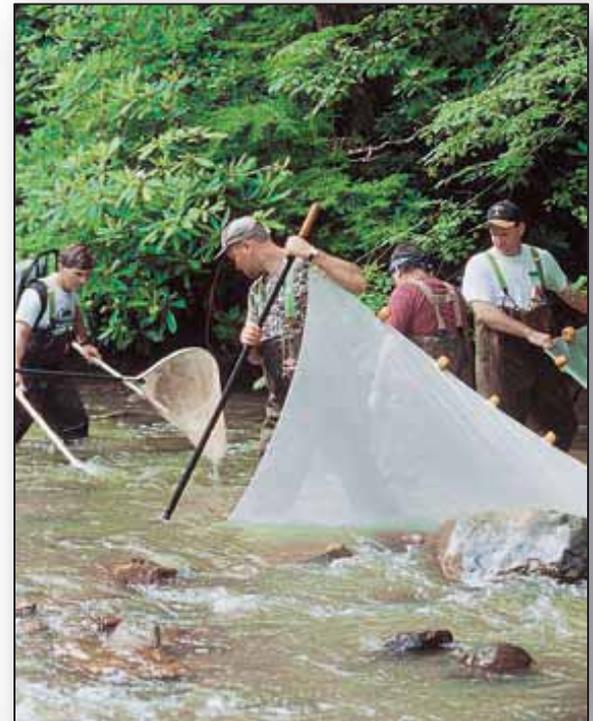
Watershed Protection and Improvement

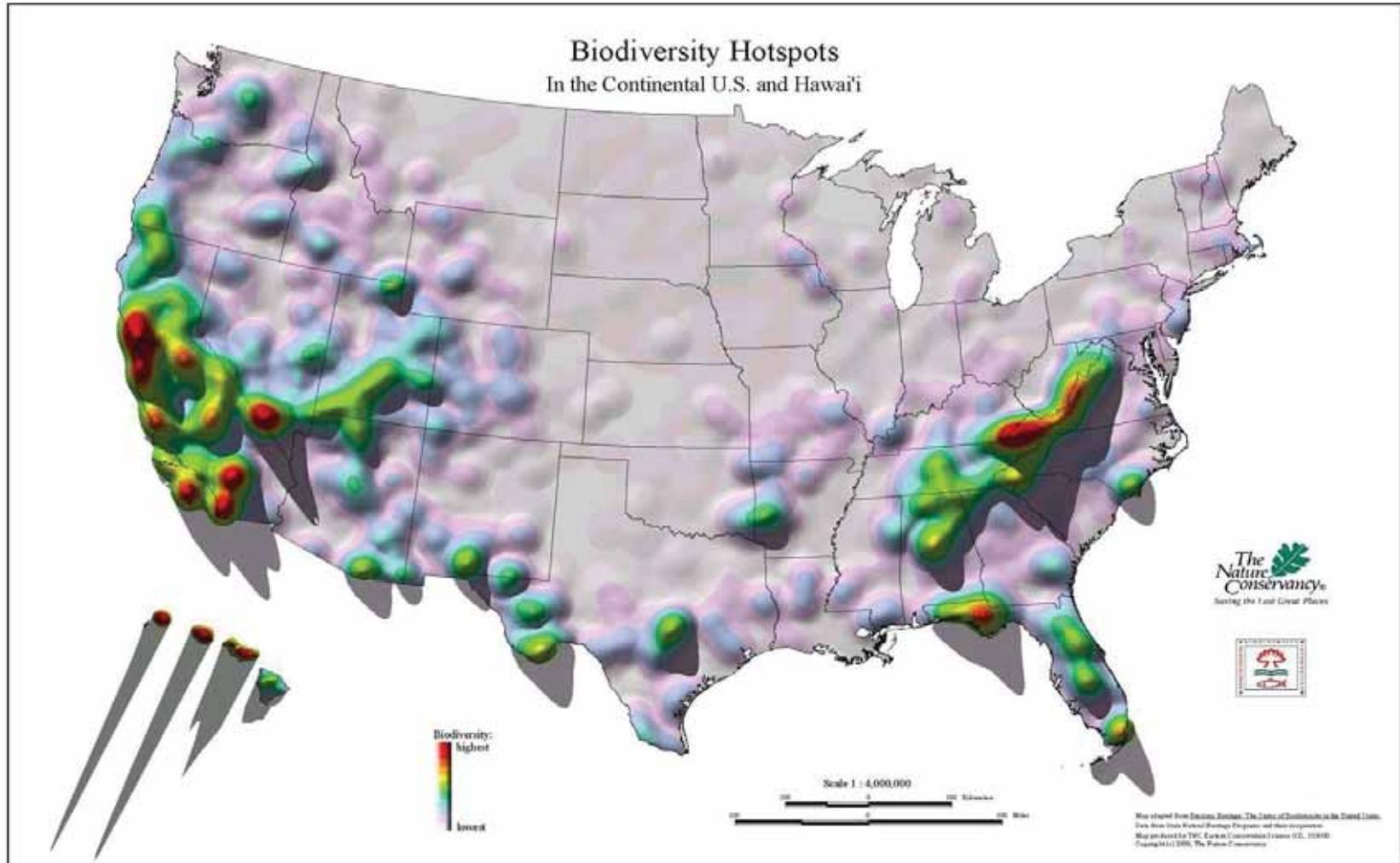
Shannon O'Quinn
Natural Resource Planning and Programs



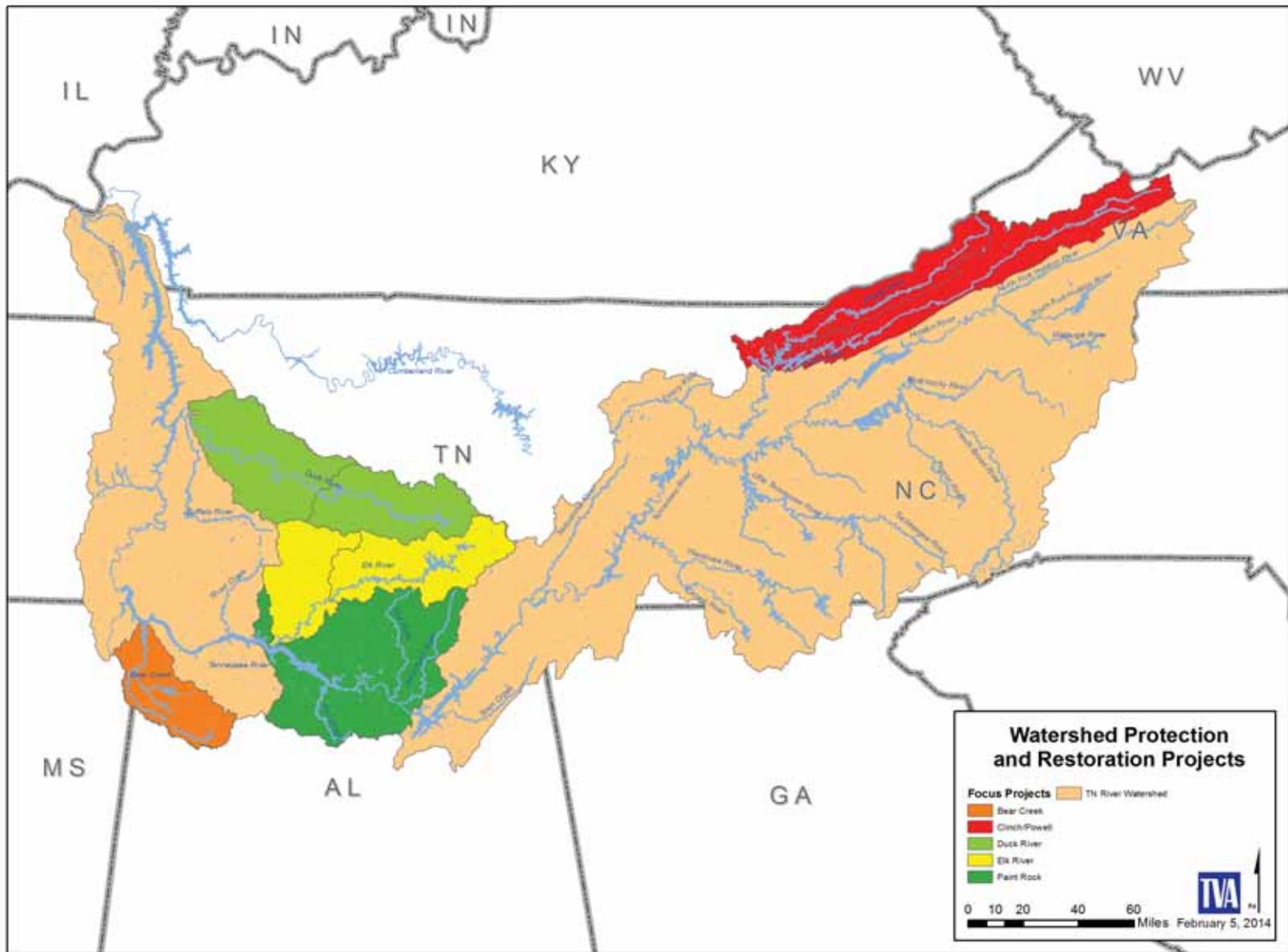
TVA Watershed Protection and Improvement

- ◆ Provide adequate data for sound decision making
- ◆ Identify and build partnerships
- ◆ Partner to prioritize watersheds and projects
- ◆ Implement projects to protect water quality and biodiversity





TVA Focus Watersheds



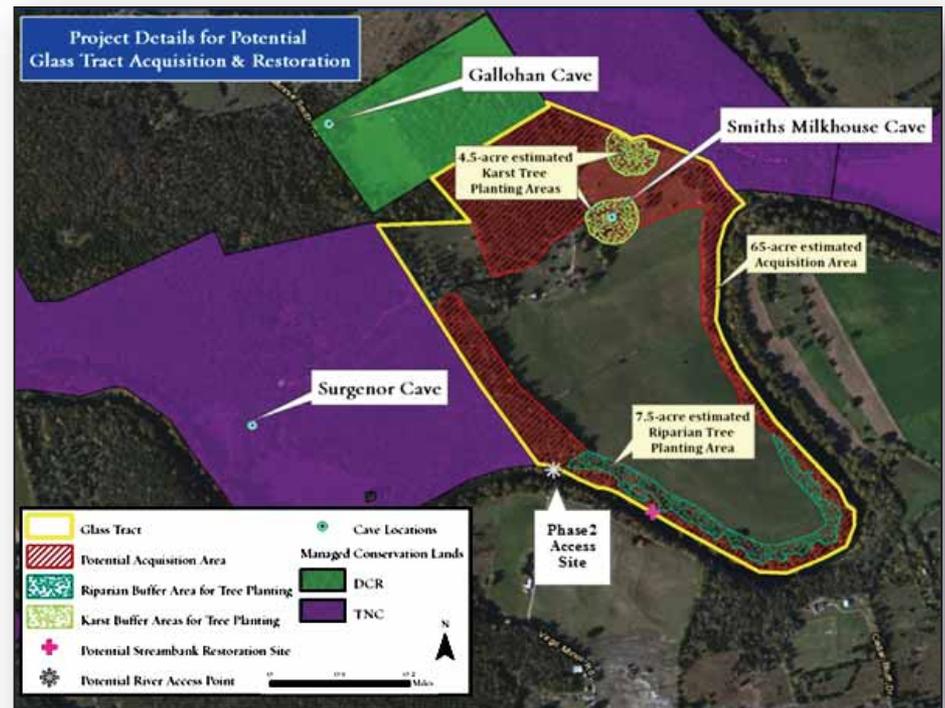
Partner – U.S. Fish and Wildlife Service

- ◆ Conduct landowner outreach events
- ◆ Remove fish barrier and install single span bridge
- ◆ Create 1.0 mile of in-stream habitat
- ◆ Establish 5.0 acres of riparian buffer



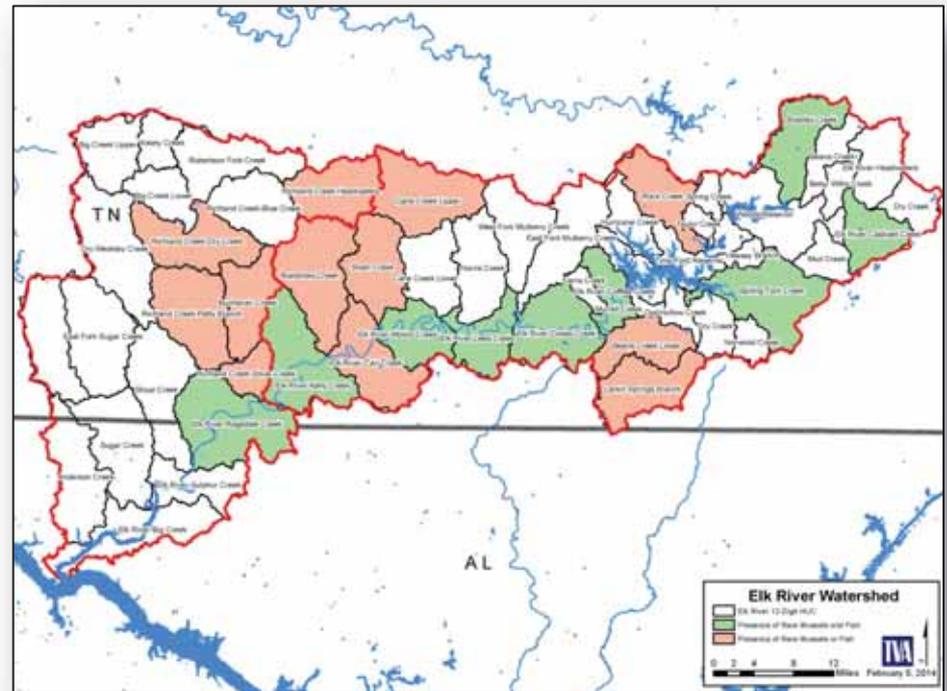
Partner – The Nature Conservancy

- ◆ Acquire 65 acres of land
- ◆ Establish 7.5 acres of riparian buffer
- ◆ Establish 4.5 acres of sinkhole plantings



Partners – Farm Service Agency, Natural Resource Conservation Service (NRCS)

- ◆ Create pilot buffer initiative for Tennessee
- ◆ Prioritize watersheds using Environmental Protection Agency's Recovery Potential Tool
- ◆ Establish approximately 150-200 acres of riparian buffer through NRCS Conservation Reserve Program



Partner – The Nature Conservancy

- ◆ Acquire 118-acre conservation easement
- ◆ Stabilize 75 feet of streambank
- ◆ Establish 50 acres of riparian buffers



Partner – The Nature Conservancy

- ◆ Assess 85 miles of streambank erosion and aquatic habitat
- ◆ Remove fish barrier
- ◆ Install single span bridge



Partner – Bear Creek Partnership

- ◆ Create a Strategic Habitat Unit Plan
- ◆ Stabilize 500 feet of streambank
- ◆ Conduct fish and benthic community monitoring
- ◆ Conduct 45 miles streambank erosion and crossing assessment



TVA Summary

- ◆ Partnering with over 30 different agencies and organizations
- ◆ Implementing \$700K in protection and improvement projects
- ◆ Projects include: conservation easement, streambank stabilization, buffer establishment, barrier removal, and instream habitat improvements



Watershed Protection and Restoration Projects

