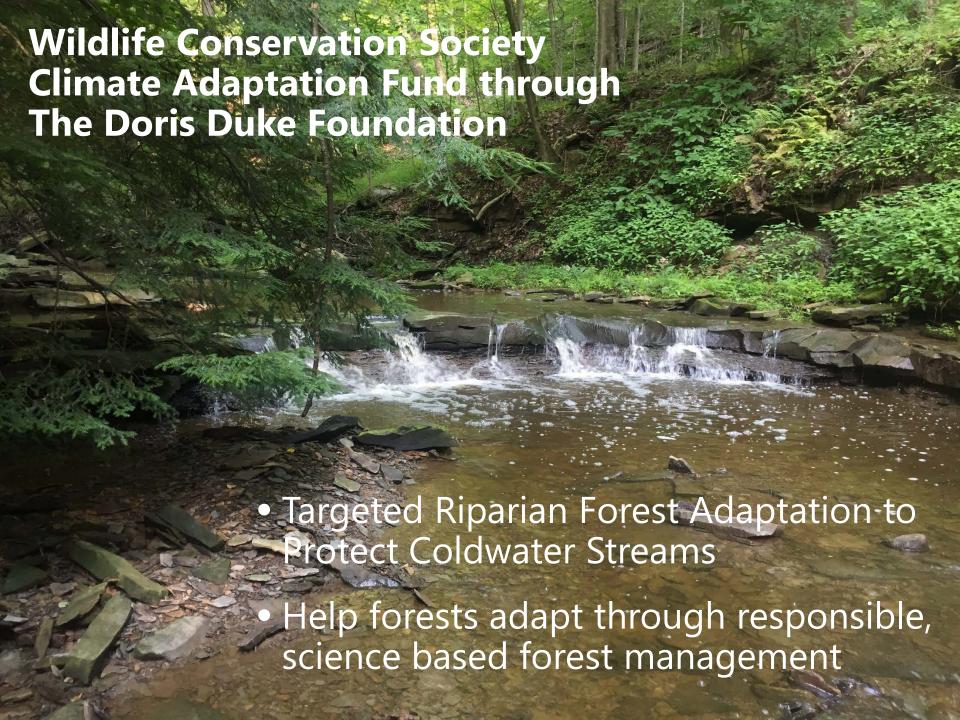
Forest Health & Climate









Partnerships

- Chagrin River Watershed Partners grant applicant
- Cleveland Metroparks
- Holden Forest and Garden
- Lake County Metroparks
- Geauga Metroparks
- Lake County SWCD

- Cleveland Museum of Natural History Trout Club
- Lake County Stormwater Management Department
- Lake Erie Allegheny Partnership for Biodiversity
- Ohio Central Basin Steelheaders
- Old Woman Creek National Estuarine Research Reserve
- Think Media Studios
- Village of Gates Milles
- Village of Moreland Hills
- Western Reserve Land Conservancy/Dominion watershed mini-grant program



Advisory Committee: Field Workshops

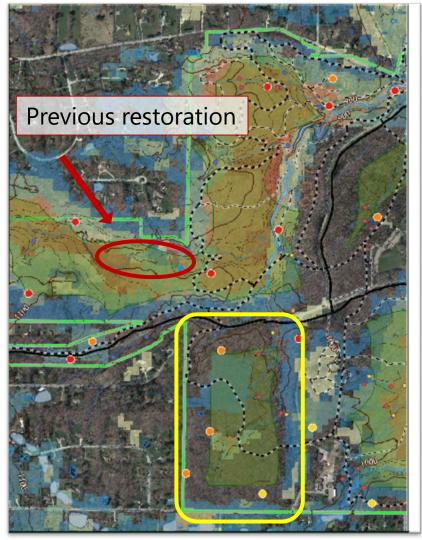
Collaborative dialogue to discuss issues and adaptation strategies across project sites

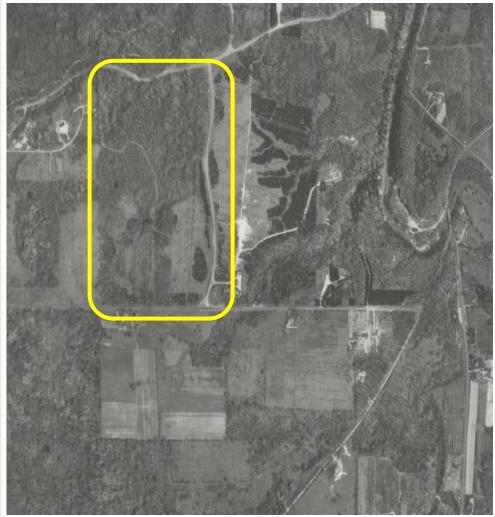
- ODNR Division of Forestry
- U.S. Forest Service
- The Nature Conservancy
- The Ohio State University
- The Wilderness Center
- Project partners



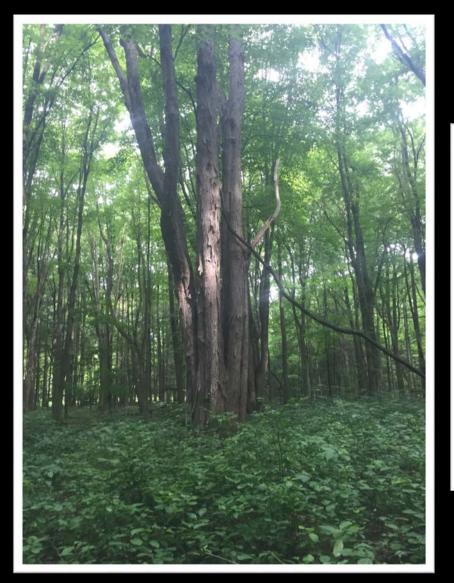


South Chagrin: Sulfur Springs













Transition:

Document baseline

- Data collection
 - Aerial images (drone)
 - Stream survey
 - Vegetation
 - Wildlife (cameras)
 - Nesting Birds
- Monitor transition & measure response





The Science of Forest Management

Robert Boyles, Chief and State Forester

Ohio Department of Natural Resources, Division of Forestry

Why do Forest Management?

- Wildlife Diversity
- Plant Diversity
- Increase sunlight to the forest floor
- Reduce competition
- Fire prevention
- Insect and Disease Control
- Forest Products

Scientific Forest Management

- Steps to Achieve Scientific Forest Management
 - ►Inventory
 - ► Establish Tracts
 - ▶ Prescribe Treatments

Inventory

- ▶Overstory, Midstory, and Understory
- **▶**Soils
- Archeology
- ► Wildlife
- Rare, Threatened, and Endangered Species (plant and animal)

Tracts Established

- ▶Tracts are established based on:
 - **►**Inventory
 - ▶ Desired Future Conditions
 - ► Species composition

Treatments Prescribed

- ▶Treatments are prescribed when:
 - ► Foresters analyze the trade-offs through growth and yield models
 - ► It achieves the desired future condition (through Silviculture)

Forest Management

- ► Forest Management is:
 - ► Healthy Forests
 - Sustainable Management Practices
 - ► Control of Invasive Species
 - ▶Soil and Water Protection
 - ► Biological Diverse Ecosystems

Threats to our Forests

▶ Fragmentation

►Invasive Species

► Climate Change

Outreach and Education

- ► Forest Management provides outreach and education opportunities for all Ohioans.
 - ▶Project Learning Tree (PLT)
 - ► Vinton Furnace State Forest is used for multiple field days each year
 - ▶DOF hosted 2 field days in Northern Ohio: Maumee State Forest with 4th graders from Toledo Chapin Forest with 4th graders from Cleveland