Sears Pond
Project Update

Lewis County Soil and Water Conservation District
Nichelle Billhardt
District Manager
376-6122
Project Status

- Dam Proposal Not Viable Option
- NYS DEC Designated Trout Stream Above and Below Former Sears Pond, Not the Pond Area
- High Temp, Low Oxygen
- Improve Fishing and Fishing Access
“Brook Trout Habitat Enhancement”

Project Funding Sources

**Lewis County**

- Soil & Water Conservation
  - Habitat Stamp Grant ($15,000)
  - Special Project Funding ($6,000)

**Town of Montague**

- Senator Joe Griffo ($10,000)
Deer River

“Brook Trout Habitat Enhancement”

Project Outline

• Pre-Project Stream Health Assessment
• Trail Construction
• Adjust Dam Height
• Tree Planting
• J-Hook / Rock Vane Installation
• Post Structure Evaluation
• Post Project Stream Health Assessment
Stream Health Assessment
WQCC Macroinvertebrate Sampling
Trail Construction

- 4 Car Parking Lot
- Reduced to a Foot Trail
- Barricade for Non-Pedestrian Traffic
- Construction Minimize Disturbance (ground clearing, tree removal, etc.)
- Filter Fabric and Stone Placement
Adjust Dam Height
Tree Plantings
(Flood Tolerant and Upland Species)

- Increase Shading
- Lower Water Temperatures
- Protect Streambank from Erosion

NYS DEC Seedlings
- Tamarack 440
- Silver Maple 220
- Green Ash 200
Flood Tolerant Species
Log J-Hook Vane Detail
PLAN VIEW: LOG VANE

- Boulder for added stability (if needed)
- Scour pool
- Support piling
- Flow lines
- Anchor rods
- Minimum length: 5 to 6 ft (1.5 to 1.8 m)
- Width: 1/4 to 1/3 stream width
- Orientation: 20° to 30°
Root Wad
Structure & Tree Planting Evaluation

Rock/Log Vane Structure
- Ensure Structure Function and Adjust if Necessary
- Check for New Areas of Erosion
- Post Project Stream Health Assessment

Tree Planting
- Check for Seedling Survival
- Ensure Tree Tubes, Stakes and Weed Control are Functioning
Where Are We Now?

• Need to apply for:
  – Article 24 Permit: Freshwater Wetlands
  – Article 15 Permit: Protection of Waters
  – NYS DEC Landuse Permit

• Lewis County SWCD has License to Possess and Collect Fish and Invertebrates

• NYS DEC Trees Arrive in April

• Planned Meeting with USFWS Carl Swartz

• WQCC Field Trip Planned in July 2008
Questions?