

Salmon Trout Volunteer Stream Monitoring Program Yellow Dog Watershed Preserve Presented by Mindy Otto

Photo: Declan Shalley, Paul Tangora, Reed







About Us Yellow Dog Watershed Preserve

- Formed in 1996
- Monitor logging activities
- Two river programs, and one lake program
 - Yellow Dog River
 - Salmon Trout River
 - Lake Independence
- Mining activity on the plains
 - Chemical Analysis
 - MiCorps Program
- Education, Outreach, Land Trust,
 Watershed Management Planning



Chauncey "Riverwalker" Moran



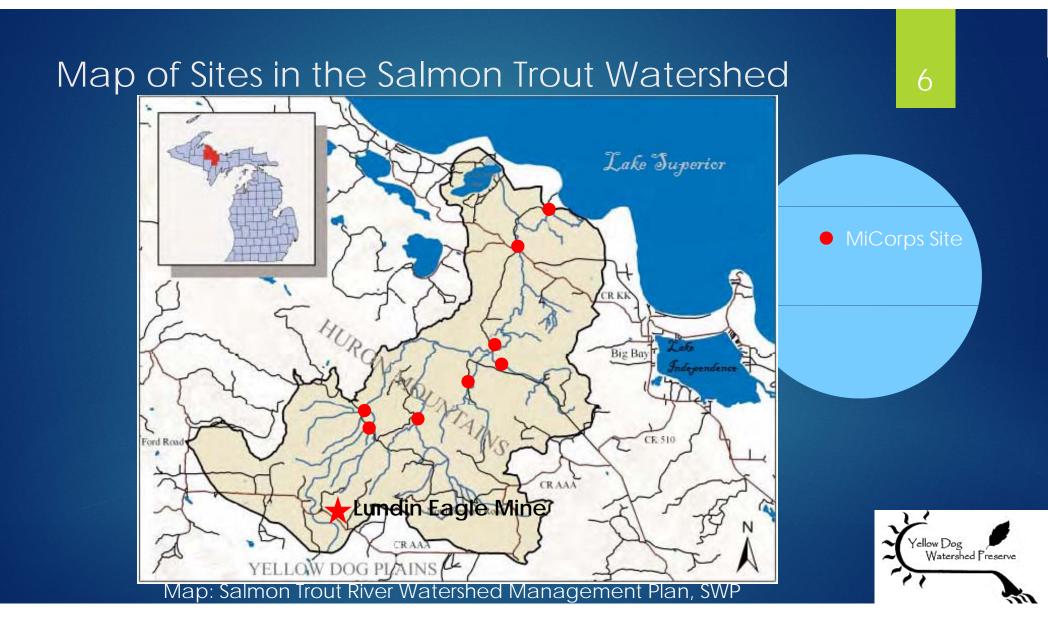
Our Program Salmon Trout Volunteer Stream Monitoring Program

- Granted funding fall 2012
- Eight sites total
- Watershed: 49.5 mi² (31,687 acres)
- All tributaries and main stream represented
- Five sites in upper stretches and tributaries mostly on CFR land
- Three sites on main stream within the Huron Mountain Club
- Monitored every fall and spring



Volunteers Magnuson and Alec Berghoef





About Lundin Eagle Mine "Sulfide Mining" near the headwaters of the Salmon Trout River

- Nickel and copper mine
- 2007 granted permits by the state
- Under construction
- 800 ft below the surface
- Now owned by Lundin Mining Company
- ▶ 80% complete
- When ores are crushed, sulfides are exposed to air and water, producing toxic sulfuric acid.
- The facility has controls such as waste water treatment – high risk



Eagle Air Emissions Vent and the Salmon Trout River



Huron Mountain Club

- A private club, formed 1890
- Three sites in the club
- One of the largest tracts of oldgrowth forest in the Great Lakes region.
- 50 dwellings clustered inside about 13,000 acres (20.3 mi²) of private land.
- Founded to establish a remote hunting and fishing club for outdoor enthusiasts.
- The original charter limited membership to 50 partners.



Huron Mountain View from inside the club



Problems Encountered



Northwest Road



Blind M35



Total Stream Quality Scores

- One tributary (Clear Creek) is consistently "Fair" (19-33)
 - New Culvert
 - Road Erosion on Blind M35
- One tributary (East Branch) averages "Good" (34-48)
- Six sites average "Excellent" (>48)
- Shared on web, in emails to membership (newsletter)



Volunteers Kris Weirenga, Ally Dale, Sandy Nye



Volunteer Success

Volunteer numbers
First training ever (32)
Leadership
Now 4 volunteer leaders
Fluctuating



The first Salmon Trout Volunteer Monitoring Training Fall 2012



Next Steps

Continue to work with timber companies to maintain access roads

Maintain a good relationship with the HMC

 Continue to recruit long-term leaders (Lesson learned)

Continue to publicly recognize current volunteers and leaders

Distribute results widely



Volunteer Leader Carla Gregory





Thanks! Questions?

