

# Rainbow Lake

## Past, Present and Future

September 24, 2009

### Rainbow's Problems

- Problems (weeds, low DO, high pH, swimmer's itch = excess nutrients)
- Probable sources
- Natural succession of a lake

### Responsibilities and Agency Assistance

- Who is responsible for maintaining the lake and the watershed?
  - Taking ownership and responsibility
  - Authorities and mandates
- Technical assistance and funding available from state agencies

### Solutions

- Options for lake management
  - Weed harvesting
  - Herbicides
  - White Amur (grass carp) with fish barriers
  - Dredging
  - Other
- Options for reducing nutrient loading from the watershed
  - Bank stabilization (especially at the lake)
  - Stormwater BMPs to reduce sediment loads and velocity
  - Sewer manhole locations
  - Re-building dam on Walnut Creek
  - Domestic animals
- Putting a lake management plan together
  - Coordinated long-term and short-term actions = effective
  - Coordinating plans across the watershed = effective

### Moving Forward

- Developing technical expertise
- Expanding efforts
- Planning and implementation