Watershed Protection Workshop











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Outline for the Day

- Introductions
- Source Water Protection
- Forest Practices Act and Rules (DNR)
- Forest Practices and Water Quality (Ecology)
- Lunch (provided)









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Outline for the Day

- Land Acquisition and Conservation Easements
- Collaborative Management
- Panel Discussion
- Review











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- Many benefits of forested watershed
- Many benefits of watershed control plan
 - Develop relationship with the landowner
 - Understand when activities will occur
 - Work towards agreements
 - Minimize water quality impacts









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- September 2014 AWWA Journal
 - Protecting forested watershed is smart economics for water utilities, Gartner, et al
 - EPA study: On average \$1 spent on source water protection saved an average of \$27 in water treatment costs
 - EPA conducting new survey on costs









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- Every treatment plant has a limit of turbidity it can treat
 - Slow sand: 10 NTU with roughing filter
 - Contact adsorption clarifier
 and filtration: 30 NTU
 - Membranes: 80 to 100 NTU











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- Watershed protection costs money
 - Staff time to patrol
 - Legal fees for agreements
 - Land acquisition
- Expensive undertaking, but may be cheaper than modifying treatment process, plant shutdown, or new treatment plant









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Introductions

- Your name
- Who you represent
- What do you want to learn today?











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