Catchment Management for Drinking Water Protection

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Conservation Biologist Perspective

*Environmental flows* describe the quantity, timing, and quality of water flows required to sustain freshwater and estuarine ecosystems and the human livelihoods and well being that depend on these ecosystems.
Challenge – Water Scarcity

• Contentious
• Litigious
Challenge – Diverse/Independent Directives

- Water users
- Regulations
- Jurisdictions
- Policies

Global Fresh Water

- Agricultural: 70%
- Drinking Water: 2%
- Household: 6%
- Industrial: 22%
Challenge – Implementation Cost
Challenge – Scientific Uncertainties

• Current Conditions
• Future Conditions
Integrated Solutions
Thank You!