



### **MCEA Overview**

#### **Mission**

Use law, science, and research to protect Minnesota's natural resources, wildlife and the health of its people

#### How we do it

Work at the legislature, in the courts, and with public agencies to enact, strengthen, and enforce smart environmental laws





# Water Issues in Minnesota

- Water appropriation, conservation, reuse
- Water pricing and allocation
- Nutrients (nitrogen, phosphorus)
- Sediment
- Sulfates and mercury
- Contaminants of emerging concern
- Groundwater quality, quantity
- Water quality infrastructure
- Wetland protection
- Aquatic invasive species
- Water governance

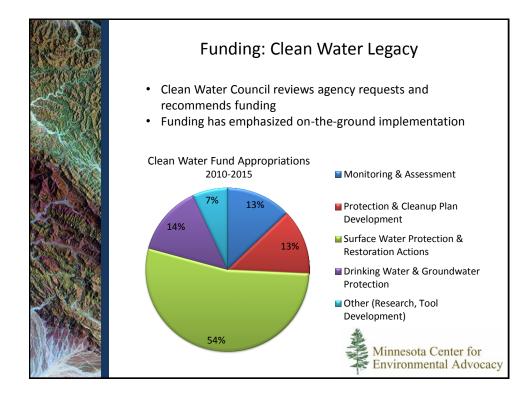


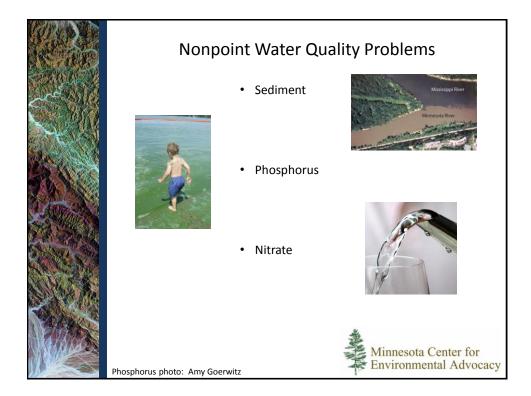


# Managing Water Quality

- Clean Water Act governs point sources; nonpoint sources are left to states
- States have two primary tools to deal with nonpoint sources
  - Funding
  - Policy





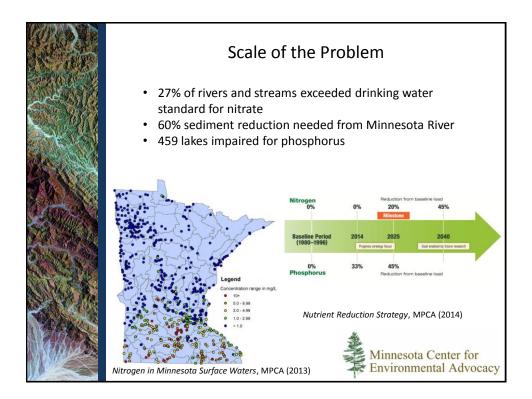


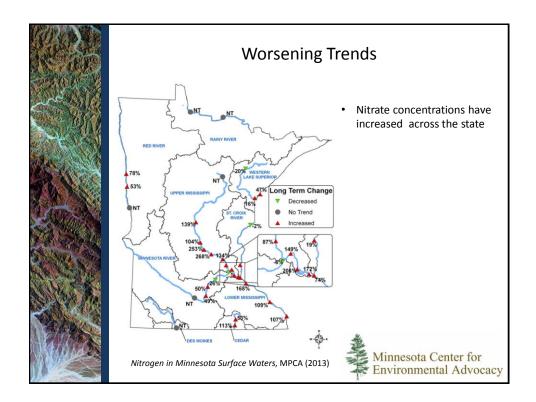


# Status of Water Quality Efforts

- Existing problems are large
- Funding conservation practices alone will not lead to meeting Minnesota's water quality goals
- New approaches are needed to make significant progress

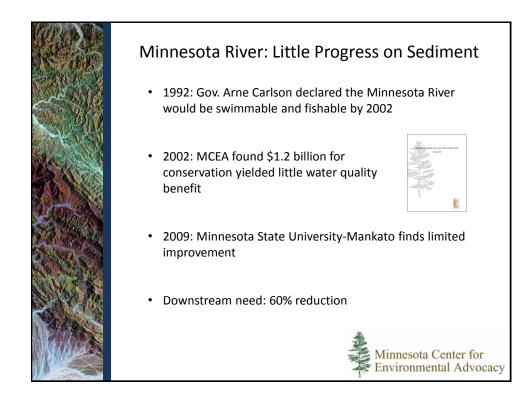


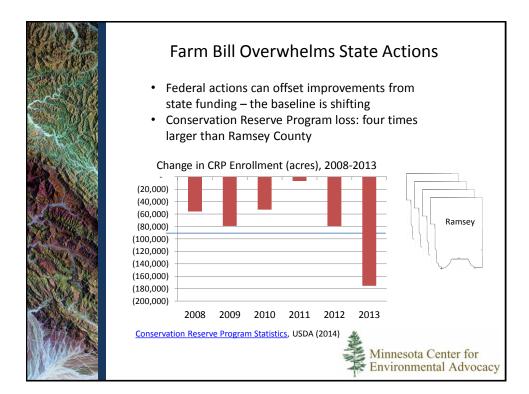


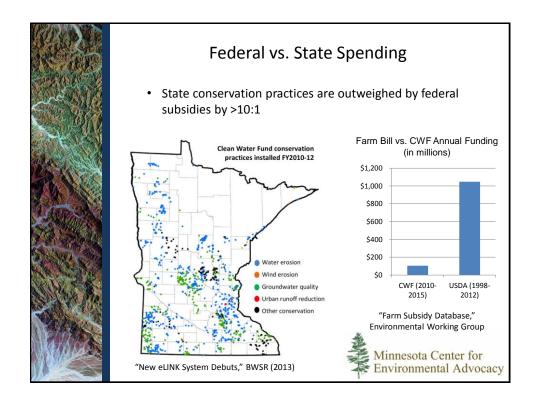


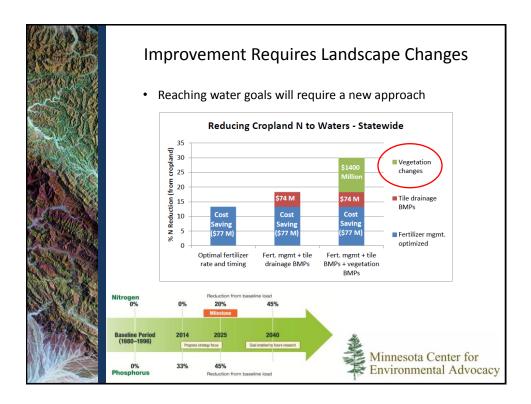
	Growing Groundwater Contamination <ul> <li>Groundwater Protection Act of 1989:</li> <li>Minimize groundwater degradation</li> <li>Develop BMPs</li> </ul>				
	Nitrate in Shallow Groundwater (2000-2010)				
		Monitoring Region	% Samples Detected	% Samples Above Health Risk Limit	
		Central Sands	97	62	
A COMP		East Central	93	50	
		Southeast	99	22	
		Draft Nitrogen Mana	gement Plan, MDA (20	Minnesota C	Center for tal Advocacy

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## Summary

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# **New Approaches**

- Additional research needed for landscape diversification
- New ideas should be considered
  - Minimum standards of care? E.g., buffers
  - Rural stormwater utilities?
  - Sector performance standards?
  - Farmer-led management approaches?

