Adaptive Management for Improved Water Quality in Multi-Use Watersheds

Middle Huron Partners

16 July 2003

Agenda

9:00 Welcome, Introductions
9:20 EPA project overview
10:00 Needs and desired outcomes
10:30 Archival data sources
11:00 On-going activities
11:30 Plans and emerging opportunities
11:50 Future planning
Project Objectives (big picture)

Develop proposed management plan(s) for eliminating nuisance blooms in Huron River impoundments

Establish two-way lines of communication with governmental authorities and NGOs in order to give scientific findings and reasoning a chance to inform democratic decision making
Project Objectives (conceptual)

Compartmentalize the middle Huron River into segments

Use mass-balance theory to calculate net sources and sinks in each segment

Make measurements to pinpoint internal versus external causes of the sources and sinks

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Project Objectives (conceptual, continued)

Develop and apply modern theory about causation of nuisance algal blooms

Develop and test at small scale theory that could mitigate or eliminate the nuisance conditions

Select palatable proposals in consultation with community officials and authorities

Provide explanation and education about proposals as requested
Project Approach
Phased, multi-year progression
Intensive data acquisition for river and impoundments
Discovery and data rescue
Synthesis
Outreach, perceptions, needs, feedback
Comprehend decision-making landscape

Hoped-for Project Outcomes
Scientifically sound remediation plans
Politically and bureaucratically credible subsets of these plans
Scientifically credible public environmental education and outreach
Informed democratic decision making on environmental issues