Coordinated Monitoring Programs 2011 Muskoka Stewardship Conference April 30, 2011

Table 1 Summary of pros and cons of governance structures for CBM groups

	Consultative/functional	Collaborative	Transformative
Details	Gov. led, community run; gov. recognizes problem and uses CBM group to monitor (Lake Partners – 121 lakes in Muskoka)	Involves as many stakeholders, individuals, etc. as possible; often based on a non- politically demarked area (i.e. watershed)	Community led, run and funded; community recognizes problem trying to get gov. attention (Lake Association)
Pros	May lead to long-term data sets; often successful in short term	Often more decision making power than other structures	Can be successful with community and stakeholder support

Table 1 Summary of pros and cons of governance structures for CBM groups

	Consultative/functional	Collaborative	Transformative
Cons	Dependant on gov. funding; less diverse stakeholders	None published	May not be diverse (i.e. only activists), problems with credibility and capacity Monitoring issues that are not governed by legislation

Benefits of Citizen Science

- Increasing Environmental Democracy
- Scientific Literacy
- Social Capital
- Citizen Inclusion in local issues
- Benefits to government
- Benefits to ecosystem monitoring
- Increased commitment to stewardship

- Organizational Issues
 - Volunteer interest
 - Networking opportunities
 - Funding
 - Information access

Data Collection

- Data fragmentation
- Perceived or real data inaccuracy
- Lack of participant objectivity
- Lack of experimental design
- Poor sample size

- Use of monitoring data
 - Data not used by decision-makers
 - Data not analyzed
 - Stewardship programs not developed and implemented

Lake Partner Summary

Years Sampled Between 2002 - 2010



Association Data Summary

- Georgian Bay Coastline
 - 11 years of data
 - About 140 sites along the Coast
- Georgian Bay Inland Lakes
 - 5 years of data
 - > 6 lakes

Association Data Summary

Muskoka Lakes Association

- 9 years
- 2002 17 sampling areas, 70 sites (3 large lakes only)
- 2010 45 sampling areas, 189 sites (11 small lakes & 3 large)
- Lake of Bays Association
 - 9 years
 - 30 sites across the lake

District of Muskoka Data

- 193 site on 164 lakes
- Lakes monitored every 2 or 3 years
- Over 30 years of data
- Data used to develop municipal land use policy
- Full suite of chemical analysis performed

Organizational Issues

- Volunteer interest
- Networking opportunities
- Funding
- Information access

Association MWC/DMM/ASS Lake Partners/DMM staff DMM/MWC

Data Collection

- Data fragmentation
- Date inaccuracy
- Lack of participant objectivity
- Lack of experimental design
- Poor sample size

Collaborative Training Training MOE/DMM/ASS MOE/DMM/ASS

- Use of monitoring data
 - Data not used by decision-makers
 - Data not analyzed
 - Stewardship programs not developed and implemented

end result

collaborative program DMM/MWC/ASS.

Considerations

- Use existing programs like lake partner, Association programs, District program
- Verify that monitoring process is comparable
- How do we facilitate the comparison of data?
- How do we develop stewardship and other implementation programs?

Next Steps

- Move toward a collaborative model MOE/Muskoka/Lake Associations
- Consolidate existing monitoring into a watershed-wide program
- Develop annual training programs
- Hold networking sessions across the watershed

QUESTIONS?