

RESEARCH NEEDS WORKSHOP 3.12

Planning for an Integrated Habitat Classification System and Map for the Lake Erie Basin

University of Windsor, Windsor Ontario
30-31 January 2006



Lake Erie Millennium Network
Binational Research for the Millennium

Agenda

Monday, January 30 (Day 1)

- 10:00 a.m. **Registration**
- 10:15 a.m. **Introductions, Overview, and Purpose** Lucinda Johnson
Jan Ciborowski
- 10:30 a.m. Project Framework and Anticipated Products:
Where are we now and what do we do next? Scudder Mackey
- 10:45 a.m. **Sub-Group Summary Presentations** (15 min - 5 for questions)
- Terrestrial (20 min) Tom Hollenhorst
 - Inland lakes and rivers (20 min) Nick Mandrak
 - Wetland (20 min) Ric Lawson
 - Coastal margin/Nearshore open-water (20 min) Scudder Mackey
 - Open lake-offshore (20 min) Jeff Tyson
- 12:30 p.m. **Lunch** (provided)
- 1:30 p.m. **Sub-Group Breakout Sessions by zone:** Jan Ciborowski
Classes and critical attributes that most strongly determine polygons.
What are the 4-6 physical habitat variables that act as the drivers regulating biota (in order of importance)?
- Inland lakes and rivers
 - Wetlands
 - Coastal Margins/Nearshore open-water
 - Open lake-Offshore
- 2:30 p.m. **Merged Sub-Group Breakout Sessions:** Scudder Mackey
Defining the location and extent and characteristics of common boundaries – key variables. *Are there common physical classification attributes among subgroups that will let us use common data sets across zones? Which attributes are unique to specific units? How/where do we define the boundaries between zones?*
- Terrestrial, Inland lakes and rivers, Wetlands
 - Coastal Margins, Nearshore open-water, Open lake-Offshore
- 3:15 p.m. **Break**
- 3:30 p.m. **Report Out** (10 min each subgroup) Jan Ciborowski
- Boundaries/Scales
 - driving physical habitat variables
 - common variables/unique variables
 - Data Gaps/Needs
 - Remaining Unresolved Issues
- 4:20 p.m. **Developing the Mapping Strategy** Lucinda Johnson
What are the next steps for for building the physical integrity map of the two pilot watersheds - scales, resolution, overlays; data needs; crosswalking
- 5:15 p.m. **Summary and Next Steps (Homework)**
- 5:30 p.m. **Adjourn**
- Dinner** (on your own – a good time to sort out of unresolved issues)

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System and Map for the Lake Erie Basin**

January 30-31, 2006
University of Windsor
Windsor, Ontario, Canada

Tuesday, January 31 (Day 2)

8:00 a.m.	Continental Breakfast (provided)	
8:25 a.m.	Recap of Day 1 and Summary of Day 2 Activities	Jan Ciborowski
8:30 a.m.	Group discussion and summary <i>Summary review of proposed physical habitat zones, classification objectives, and protocols. Motion of consensus.</i>	
9:15 a.m.	Next steps for Dissemination and Application of Classification Scheme: Discussion in 2 self-selected breakout groups: a) protocol for expert review and acceptance: <i>How do we achieve basin-wide acceptance and adoption by agencies and the research community? How do we foster ad desire to contribute layers to the project?</i> b) technical issues: <i>What are the desired coverages and data sets, scales of resolution, processing protocols, etc.?</i>	Ric Lawson
10:00 a.m.	Break	
10:15 a.m.	Report out on peer review process and identifying users	
10:45 a.m.	Report on review and discussion of dissemination process	Rick Lawson
11:00 a.m.	Proposal for a unified hierarchical classification <i>Crosswalk and integration of physical, chemical, & biological attributes</i> <i>Correlating and integrating geospatial layers</i> <i>A framework for change detection/trends</i>	Scudder Mackey Jan Ciborowski
11:30 a.m.	Implementation of Classification Protocols (Examples) Assessing agric. impacts on headwater streams <ul style="list-style-type: none">○ Grand River Geospatial Processing○ USGS Aquatic GAP Data Structure and Analyses○ GLFC Lake Erie Fisheries Dataset	Dan Button Adam Yates Tom Hollenhorst Jana Stewart Ed Rutherford
12:15 p.m.	Lunch (provided)	
12:45 p.m.	Implementation Strategy for other Lake Erie Watersheds	Dan Button
1:30 p.m.	Summary, Action Items, Closing	Lucinda Johnson
2:00 p.m.	Adjourn	