IA ecological Assessment Component

University of Michigan Master’s Project

Brian Colleran & Ken Mori
Outline

• Our role
• What GIS is
• What we can do with GIS
• The GIS data we have
• GIS examples
• Questions/Suggestions
Our Role

• Ecological/Environmental

• Decision support
GIS

- Software
- Map making

Geographic Information System (GIS) Themes

- Local Streets and Facilities
- Cities and Towns
- Rivers and Streams
- Transportation
- Landownership / Use
## Possibilities

<table>
<thead>
<tr>
<th>GIS Analysis</th>
<th>IA Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranking</td>
<td>Status</td>
</tr>
<tr>
<td>Predictive Modeling</td>
<td>Consequences</td>
</tr>
<tr>
<td>Analysis</td>
<td>Status; Causes; Consequences</td>
</tr>
<tr>
<td>Change</td>
<td>Trends; Consequences</td>
</tr>
</tbody>
</table>
Available data

- County framework
- Streams, rivers, lakes, & wetlands
- Michigan Natural Features Inventory
- National Wetlands Inventory
- wolf habitat
- Forest cover
Within Thompson’s Harbor State Park
Thompson’s Harbor State Park
Outside Thompson’s Harbor State Park
Near Thompson’s Harbor State Park
• Suggestions

• Questions

• Comments

• Data Sources

• Brian Colleran
  806 Catherine St, Ann Arbor MI, 48104
  203-561-5010
  skirun@umich.edu

• Ken Mori
  1518 Gilbert Ct. F18
  Ann Arbor, MI, 48105
  moriken@umich.edu