Lake Superior Fisheries Management Plan

September 7, 2017
Meeting goals

1. Introductions and responsibilities
2. Discuss timeline
3. Discuss management plan structure
4. Identify desired future condition
5. Identify future meeting tentative dates and locations
Introductions

• People
• Expectations
• Timeline
• Process
Advisory panel responsibilities

• Advise WDNR on development of vision, goals, objectives, and tactics.

• Represent viewpoint of stakeholder groups

• Provide bi-directional communication between WDNR and public

• Take accountability for final plan and present with WDNR to public

• Attend 6-8 meetings this fall/winter
  And 2-3 next fall/winter
Lake Superior Fisheries Management Plan 2019 – 2028

Ambitious timeline:

June 2017: First public meeting, initial comment period

September through Early 2018: Develop outline – vision, goal, outline, tasks

Early 2018: Present progress on outline to public

Spring 2018: Finalize first draft.

Summer 2018: Present 1st draft to public, second comment period.

Fall/Winter 2018: Incorporate comments and develop final draft.

Early 2019: Present final draft to public/comment period.

Summer 2019: Finalize
Lake Superior Fisheries Management Plan 2019 – 2028

Ambitious timeline:

June 2017: First public meeting, initial comment period

September through Early 2018: Develop outline – vision, goal, outline, tasks

Early 2018: Present progress on outline

Spring 2018: Finalize first draft.

Summer 2018: Present 1st draft to public, second comment period.

Fall/Winter 2018: Incorporate comments and develop final draft.

Early 2019: Present final draft to public/comment period.

Summer 2019: Finalize

Advisory Panel (monthly meetings)
Manager’s Models

• Visual representation of how management functions within a system

• Experience, connection to resource, values, biases and other factors guide each individual’s Model of Management

• Integrate biological and societal knowledge into management decisions and actions
Developing a Lake Superior Management Model

**Includes:**
- Ecological
- Social
- Economic
- Political
- Others...
Developing a Lake Superior Management Model

**Includes:**
- Ecological
- Social
- Economic
- Political
- Others...

**Key concepts:**
- Values
- Impacts
- Limits and capacity
- Scale
- Decision making
What role will Lake Superior play in the ecological, social, and economic well-being of Northern Wisconsin and the region?
Broadly defined objectives necessary to achieve desire future condition that reflect the need for management and what we hope to accomplish through management actions.
Identify the ecological and sociological conditions that enable achievement of the goals and help focus specific management interventions and actions that should be taken.
“What should we do?”
Chinook cuts in Lake Michigan

Goals

Historic Conditions

Current Conditions

Management Concerns

Stakeholder Concerns

Research and Monitoring

Mitigating Actions

Enabling Objectives

Primary Actions/Interventions

achieved through

accomplish

leads to

identifies and determines feasibility of

evaluated with

addressed by

minimizes

dictates

determines

influence

identified by
Chinook cuts in Lake Michigan

Goals

Historic Conditions

Current Conditions

Management Concerns

Stakeholder Concerns

Research and Monitoring

Enabling Objectives

Primary Actions/Interventions
Chinook cuts in Lake Michigan

Goals

Enabling Objectives

Primary Actions/Interventions

Historic Conditions

Current Condition

Management Concerns

Stakeholder Concerns

Monitoring

Collateral/Subsequent Impacts

Mitigating Actions

achieved through accomplish

achieved through accomplish

reflects

based on

identifies and determines feasibility of evaluated by

minimizes
Chinook cuts in Lake Michigan

Goals

Enabling Objectives

Primary Actions/Interventions

Historic Conditions

Current Conditions

Management Concerns

Stakeholder Concerns

Research and Evaluation

Collateral/Subsequent Impacts

Mitigating Actions
LSFMP 1988 - 1998

Goals:

• Manage for a diverse, multi-species commercial fishery to allow an optimum sustained harvests.
• Manage for a diverse, year-round, multi-species sport fishery to allow an optimum sustained harvest and to provide a variety of angling opportunities.
• Manage for a diverse, multi-species tribal home-use fishery to allow an optimum sustained harvest.
• Manage for fish communities, based on foundations of stable self-sustaining stocks, consistent with the productive capacity of Lake Superior.
• Develop an economic analysis to assist in management decisions.
• Maintain, monitor, and enhance habitat quality.
• Increase control of sea lamprey over present levels.
• Increase and maintain safe, public fishing boat access.
**LSFMP 1988 - 1998**

**Goals:**

- Manage for a diverse, multi-species commercial fishery to allow an optimum sustained harvests.
- Manage for a diverse, year-round, multi-species sport fishery to allow an optimum sustained harvest and to provide a variety of angling opportunities.
- Manage for a diverse, multi-species tribal home-use fishery to allow an optimum sustained harvest.
- Manage for fish communities, based on foundations of stable self-sustaining stocks, consistent with the productive capacity of Lake Superior. **GOAL**
- Develop an economic analysis to assist in management decisions. Maintain, monitor, and enhance habitat quality.
- Increase control of sea lamprey over present levels.
- Increase and maintain safe, public fishing boat access.
LSFMP 1988 - 1998

Goals:

• Manage for a diverse, multi-species commercial fishery to allow an optimum sustained harvests. GOAL/ENABLING OBJECTIVE
• Manage for a diverse, year-round, multi-species sport fishery to allow an optimum sustained harvest and to provide a variety of angling opportunities. GOAL/ENABLING OBJECTIVE
• Manage for a diverse, multi-species tribal home-use fishery to allow an optimum sustained harvest. GOAL/ENABLING OBJECTIVE
• Manage for fish communities, based on foundations of stable self-sustaining stocks, consistent with the productive capacity of Lake Superior. GOAL
• Develop an economic analysis to assist in management decisions.
• Maintain, monitor, and enhance habitat quality.
• Increase control of sea lamprey over present levels.
• Increase and maintain safe, public fishing boat access.
Goals:

- Manage for a diverse, multi-species commercial fishery to allow an optimum sustained harvests. **GOAL/ENABLING OBJECTIVE**
- Manage for a diverse, year-round, multi-species sport fishery to allow an optimum sustained harvest and to provide a variety of angling opportunities. **GOAL/ENABLING OBJECTIVE**
- Manage for a diverse, multi-species tribal home-use fishery to allow an optimum sustained harvest. **GOAL/ENABLING OBJECTIVE**
- Manage for fish communities, based on foundations of stable self-sustaining stocks, consistent with the productive capacity of Lake Superior. **GOAL**
- Develop an economic analysis to assist in management decisions.
- Maintain, monitor, and enhance habitat quality. **PRIMARY ACTION**
- Increase control of sea lamprey over present levels. **PRIMARY ACTION**
- Increase and maintain safe, public fishing boat access. **PRIMARY ACTION**
Goals:

- Manage for a diverse, multi-species commercial fishery to allow an optimum sustained harvests. **GOAL/ENABLING OBJECTIVE**
- Manage for a diverse, year-round, multi-species sport fishery to allow an optimum sustained harvest and to provide a variety of angling opportunities. **GOAL/ENABLING OBJECTIVE**
- Manage for a diverse, multi-species tribal home-use fishery to allow an optimum sustained harvest. **GOAL/ENABLING OBJECTIVE**
- Manage for fish communities, based on foundations of stable self-sustaining stocks, consistent with the productive capacity of Lake Superior. **GOAL**
- Develop an economic analysis to assist in management decisions. **RESEARCH AND MONITORING**
- Maintain, monitor, and enhance habitat quality. **PRIMARY ACTION**
- Increase control of sea lamprey over present levels. **PRIMARY ACTION**
- Increase and maintain safe, public fishing boat access. **PRIMARY ACTION**
Meeting 1

Goals

- Enabling Objectives
  - achieved through
  - accomplish

- Primary Actions/Interventions
  - achieved through
  - accomplish

Historic Conditions

Current Conditions

Management Concerns

Stakeholder Concerns

Research and Monitoring

Collateral/Subsequent Impacts

Mitigating Actions

Desired Future Condition

dictates

reflects

determines

influence

identified by

evaluated with

addressed by

minimizes

creates

leads to
Meeting 8
Management Plan Structure

• Species-based
  – MN Lake Superior Fisheries Management Plan
  – Lake Superior Fish Community Objectives (GLFC)

• Fishery-based
  – WI Lake Michigan Fisheries Management Plan
  – WI Lake Superior Fisheries Management Plan
Desired future conditions

• To protect the Lake Superior ecosystem, rehabilitate and protect its watershed, and manage for a diverse, stable, self-sustaining fish community that provides recreational, commercial and tribal fishing opportunities. (MN – Lake Superior)

• To rehabilitate and maintain a diverse, healthy, and self-sustaining fish community, dominated by indigenous species and supporting sustainable fisheries. (FCO)

• The goal of fish management is to provide opportunities for the optimum use and enjoyment of Wisconsin’s aquatic resources, both sport and commercial. A healthy and diverse environment is essential to meet this goal and shall be provided through management programs. (WI – Lake Superior).
Discussion and Comments

Thoughts on how to structure plan?

 Desired future condition?
Homework:

What is important to your organization?

What are your members concerns?
Things to consider when identifying a good objective:

Attributes:

S — Specific
M — Measurable
A — Attainable
R — Relevant
T — Time-bound

Examples

Weak: I will be healthier.

Strong: I will exercise 3 times a week for 30 minutes or more. I will eat vegetables at 2 meals a day.
Things to consider when identifying a good objective:

<table>
<thead>
<tr>
<th>Attributes:</th>
<th>Socio-Ecological System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>S</strong> — Specific</td>
<td>— Ecosystem</td>
</tr>
<tr>
<td><strong>M</strong> — Measurable</td>
<td>— Habitat</td>
</tr>
<tr>
<td><strong>A</strong> — Attainable</td>
<td>— Fish populations</td>
</tr>
<tr>
<td><strong>R</strong> — Relevant</td>
<td>— Fishery</td>
</tr>
<tr>
<td><strong>T</strong> — Time-bound</td>
<td>— Economic value</td>
</tr>
<tr>
<td></td>
<td>— Aesthetic value</td>
</tr>
<tr>
<td></td>
<td>— Social value</td>
</tr>
</tbody>
</table>
Future Meeting Dates and Locations

???
Next steps:

• Visit website for more information:
  – Search for “Lake Superior Fisheries Management” on WDNR website to find link for “Lake Superior Fisheries Management Plan”

• Collect initial comments via:
  – Mail Brad Ray, 141 S. Third Street, Bayfield, WI 54814
  – Email (dnrlakesuperiorplan@wisconsin.gov)