

2012 GREAT LAKES LAKE STURGEON COORDINATION MEETING

RAMADA PLAZA OJIBWAY HOTEL
240 W. PORTAGE AVE.
SAULT STE MARIE, MI 49783

Agenda

Monday

December 3, 2012

- 12:00 Registration
1:00 Welcome, Introductions, Meeting Goal, Objectives and Format

Presentations: Adult/Juvenile Sturgeon Assessment and Evaluation Techniques

- 1:20 **Estimating Lake Sturgeon Abundance and other Parameters from Spawning Run Mark-Recapture Data**
- Ed Baker, Michigan Department of Natural Resources
- 1:40 **Evaluating Harvest Regulations for Lake Sturgeon in the White Rapids Section of the Menominee River**
- Daniel Isermann, University of Wisconsin
- 2:00 **Lake Superior and Lake Huron Lakewide Juvenile Lake Sturgeon Index Surveys**
- Joshua Schloesser, U.S. Fish and Wildlife Service and Lloyd Mohr, Ontario Ministry of Nat. Resources
- 2:20 **Adult Assessment – Are we using proper gears?**
- Nancy Auer, Michigan Technological University
- 2:30 Break
- 2:45 Break-Out Discussion Groups: Assessment and Analysis Techniques
- 3:45 Break-out Group Reporting and Discussions
- 4:15 Break

Presentations: Early Life Stages Research

- 4:20 **Demographic Factors and Male Behavioral Plasticity Affect Male and Female Reproduction Success and Temporal Variation in Effective Breeding Number in Lake Sturgeon**
- Kim Scribner, Michigan State University
- 4:45 **Spatially Explicit Analysis of Lake Sturgeon Egg Deposition and Mortality in Natural Stream Settings**
- Andrew Findley, Michigan State University
- 4:50 **How Diet and Collection Methods Affect the Mortality of Dispersed *Acipenser fulvescens* Larvae within a Streamside Rearing Facility**
- Philip D. Ganz, Michigan State University
- 4:55 **Ecological Conditions Experienced During Early Larval Stages Affect Larval Lake Sturgeon Phenotypes and Behavior**
- Katy Jay, Michigan State University
- 4:55 **Phenotypic Responses to Anthropogenically Altered Environmental Regimes in Larval Lake Sturgeon (*Acipenser fulvescens*)**
- Kari Dammerman, Michigan State University

5:00 Review of Poster Presentations and Events of Evening Social (Adjourn at 5:15)

6:30 - 9:30 Evening Poster Session, Appetizers & Social

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Tuesday (a.m.)

December 4, 2012

8:00 Review of Day 1 and Objectives/Format for Day 2

Presentations Social/Cultural Interactions

8:15 **Streamside Rearing Facilities - Are we meeting biological and cultural objectives?**

- Marty Holtgren, Little River Band of Ottawa Indians

8:35 **First Nations Leading Lake Sturgeon Research in Ontario by Combining Traditional Knowledge with Scientific Research; A Case Study from Northeastern Lake Superior**

- Andrew Ecclestone, Anishinabek/Ontario Fisheries Resource Centre

8:55 **Sturgeon For Tomorrow: Our Journey With the Majestic Lake Sturgeon**

-Brenda Archambo, Sturgeon For Tomorrow

9:10 **Commercial Fishers Connection to Lake Sturgeon**

-Tim Purdy, Purdy Fisheries

9:20 Panel Discussion: Social and Cultural Interactions

9:45 Break

Presentations: Hydrokinetics an Emerging Issue?

10:00 **Magnitude of Effect of Hydro-Electric Operations on Lake Sturgeon Abundance in Ontario Rivers**

- Tim Haxton, Ontario Ministry of Natural Resources

10:20 **Hydrokinetic Generation in the Great Lakes Basin**

- Paul T. Jacobson, Ph.D., Electric Power Research Institute

10:40 **St. Claire R. Hydrokinetic Proposal Update**

- Jim Boase, U.S. Fish and Wildlife Service

10:45 **Blade Strike Survival and Hydrokinetic Turbine Passage: Results of Testing with White Sturgeon and Applicability to Other Species**

- Steve Amaral, Alden Research Laboratory, Inc.

11:05 Group discussion: Hydrokinetics

Presentations: Lamprey/Sturgeon Interactions

11:25 **The Effect of the Lampricides TFM and TFM/1% Niclosamide on Age-0 Lake Sturgeon**

- Lisa O'Conner, Department of Fisheries and Oceans – Canada

11:45 **Sea Lamprey Parasitism on Lake Sturgeon in Great Lakes**

- Henry Quinlan, U.S. Fish and Wildlife Service

12:00 LUNCH (provided with donation)- slide show of contributed images

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Tuesday (p.m.)

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Presentations: General Topics

- 1:00 **Effects of Stocking on the Genetic Diversity of Lake Sturgeon**
 - Amy Welsh, West Virginia University
- 1:20 **Lake Sturgeon Sampling Efforts in the Pennsylvania Waters of Lake Erie**
 - Jeanette Schnars, Tom Ridge Environmental Center
- 1:25 **Using Concentrations of Metals in Pectoral Fin Rays to Track Movements and Improve Management of Lake Sturgeon Populations in the Great Lakes Basin**
 - Jeffrey Ziegeweid, USGS Minnesota Water Science Center
- 1:30 **New York Lake Sturgeon Recovery Program**
 - Doug Carlson, NY Department of Environmental Conservation

Presentations: Open Water Movement and Telemetry

- 1:35 **Lake Sturgeon Migration in the Detroit-St. Clair River System: Preliminary Results from an Acoustic Telemetry Study**
 - Darryl Hondorp, U.S. Geological Survey
- 1:45 **Translocation and Telemetry of Pre-Spawning Lake Sturgeon in an Upper Reach of the Menominee River**
 - Jeremy Olach, Michigan Technological University
- 1:55 **Adult Movement in Large Rivers of Green Bay and Movement of Stocked Juveniles in Menominee River**
 - Michael Donofrio, Wisconsin Department of Natural Resources
- 2:15 Break
- 2:30 Basin Status and Designation Presentation(s) - major updates
- 3:30 Group Discussion: Unreported Activities / Research Gaps
- 4:30 Evaluation/Future Planning Forms and Meeting Wrap Up
- 5:30 Group Dinner - informal discussion and networking